

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: P935778

Luminaire Tested: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

**Test Information**

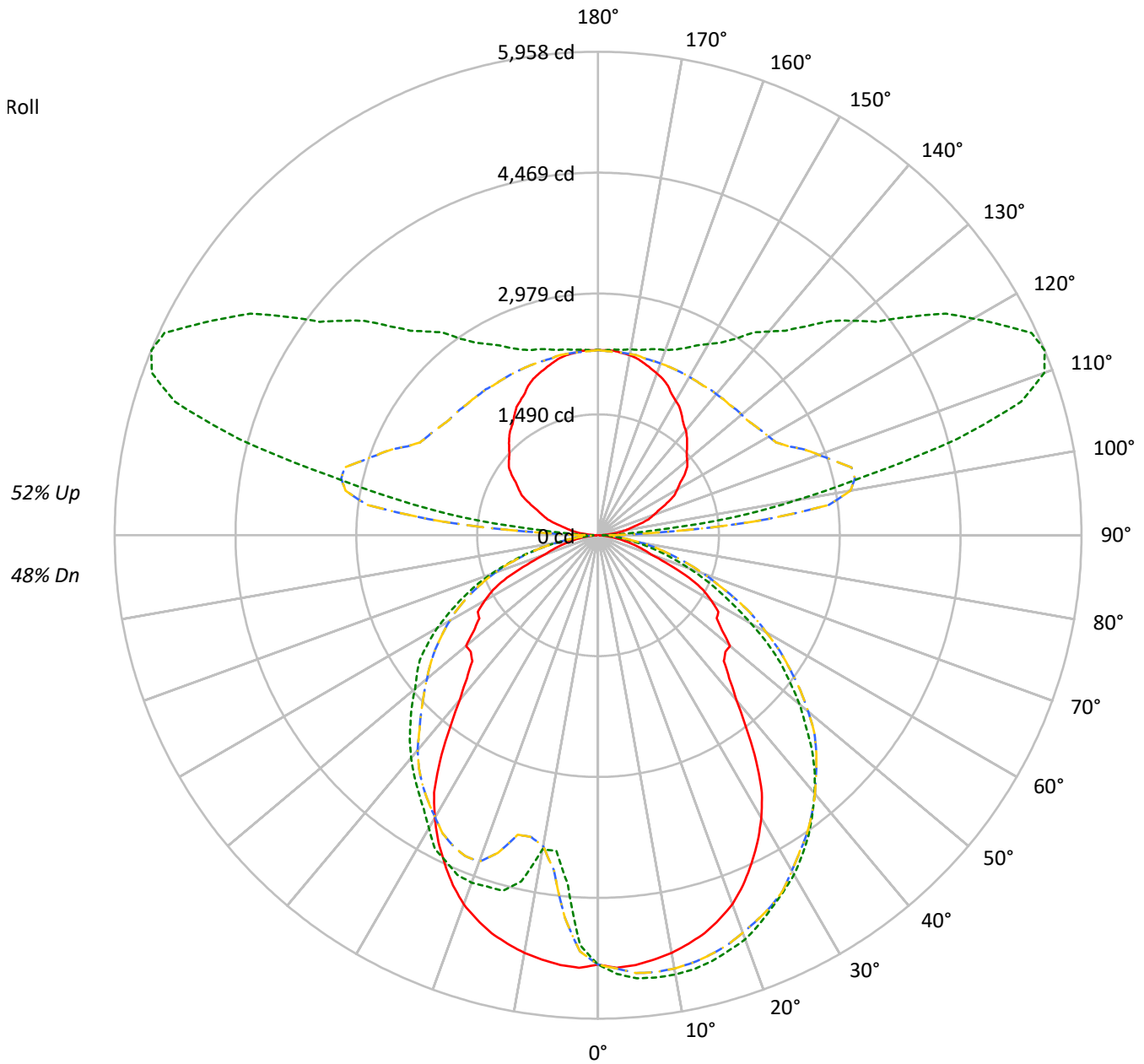
Test Method: LM-79-2019  
Report Number: P935778  
REPORT IS A COMBINATION OF REPORTS P933765 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28520.1 lumens  
Efficiency: N/A  
Efficacy: 126.4 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-12-3000K

### Luminous Intensity Polar Plot



— 0°-180°    - - 45°-225°    - - - 90°-270°    - - - 135°-315°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12	12

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

	0°	90°	180°	270°
0°	16365	16365	16365	16365
5°	16493	16520	16493	12990
10°	16389	16273	16389	11634
15°	16217	15920	16217	13294
20°	15884	15502	15884	13321
25°	15196	14893	15196	13039
30°	14305	14387	14305	12420
35°	12759	13748	12759	11738
40°	10637	12995	10637	11223
45°	9511	12113	9511	10632
50°	10113	11062	10113	10038
55°	9523	9930	9523	9694
60°	9829	8433	9829	8879
65°	8926	6971	8926	7792
70°	6196	5555	6196	6532
75°	5453	4106	5453	4917
80°	4427	2715	4427	2956
85°	2595	1439	2595	1222

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 14568 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	477.6	1.7
10°-20°	1356.0	4.8
20°-30°	2096.2	7.3
30°-40°	2502.4	8.8
40°-50°	2517.0	8.8
50°-60°	2190.1	7.7
60°-70°	1552.8	5.4
70°-80°	821.5	2.9
80°-90°	213.3	0.7
90°-100°	1112.3	3.9
100°-110°	2924.4	10.3
110°-120°	3032.3	10.6
120°-130°	2432.3	8.5
130°-140°	1908.5	6.7
140°-150°	1464.8	5.1
150°-160°	1054.9	3.7
160°-170°	645.5	2.3
170°-180°	218.1	0.8
0°-30°	3929.8	13.8
0°-40°	6432.1	22.6
0°-60°	11139.3	39.1
0°-90°	13726.9	48.1
90°-120°	7069.1	24.8
90°-150°	12874.7	45.1
90°-180°	14793.0	51.9
0°-180°	28520.1	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5291	5291	5291	5291	5291	
5°	5316	5481	5316	4310	5316	504
15°	5076	5431	5076	4535	5076	1428
25°	4470	5066	4470	4435	4470	2052
35°	3399	4520	3399	3859	3399	2103
45°	2192	3724	2192	3269	2192	1756
55°	1787	2748	1787	2683	1787	1642
65°	1241	1657	1241	1852	1241	1186
75°	470	786	470	941	470	495
85°	80	200	80	170	80	108
90°	15	58	15	58	15	16
95°	147	672	147	672	147	163
105°	527	4579	527	4579	527	559
115°	936	5896	936	5896	936	924
125°	1302	4696	1302	4696	1302	1156
135°	1552	3644	1552	3644	1552	1200
145°	1800	2956	1800	2956	1800	1127
155°	2034	2545	2034	2545	2034	935
165°	2195	2371	2195	2371	2195	619
175°	2282	2297	2282	2297	2282	217
180°	2282	2282	2282	2282	2282	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5335.9	5335.9	5365.9	5376.0	5376.0	5360.9	5345.9	5360.9	5405.9	5421.0	5416.0
5°	5315.8	5356.0	5411.0	5421.0	5431.0	5426.0	5416.0	5426.0	5476.0	5486.1	5491.0
7.5°	5275.8	5350.9	5421.0	5436.0	5451.0	5436.0	5431.0	5441.0	5491.0	5501.1	5501.1
10°	5225.8	5330.9	5411.0	5421.0	5436.0	5421.0	5421.0	5441.0	5491.0	5501.1	5506.1
12.5°	5155.7	5300.8	5376.0	5385.9	5405.9	5400.9	5396.0	5416.0	5466.0	5476.0	5476.0
15°	5075.6	5245.8	5315.8	5325.9	5360.9	5350.9	5350.9	5370.9	5426.0	5441.0	5436.0
17.5°	4965.5	5175.7	5255.8	5270.9	5295.8	5290.9	5295.8	5315.8	5365.9	5376.0	5380.9
20°	4840.4	5080.6	5175.7	5190.7	5215.7	5215.7	5215.7	5240.8	5290.9	5310.9	5310.9
22.5°	4670.2	4980.5	5080.6	5090.6	5120.7	5120.7	5130.7	5165.7	5210.7	5215.7	5215.7
25°	4469.9	4870.3	4955.4	4985.5	5015.6	5030.6	5045.6	5065.6	5080.6	5075.6	5080.6
27.5°	4259.7	4730.2	4840.4	4860.4	4900.4	4915.4	4935.4	4940.5	4945.5	4960.5	4950.5
30°	4024.5	4535.0	4700.2	4720.2	4785.3	4795.3	4775.3	4785.3	4810.3	4820.4	4830.3
32.5°	3759.1	4244.7	4555.0	4600.1	4660.1	4630.2	4625.1	4640.1	4680.1	4680.1	4690.2
35°	3398.7	4019.4	4419.8	4459.9	4504.9	4469.9	4489.9	4495.0	4520.0	4535.0	4530.0
37.5°	3003.4	3824.2	4279.7	4309.8	4344.8	4299.7	4329.8	4344.8	4364.8	4354.8	4354.8
40°	2652.9	3518.8	4114.6	4134.6	4164.6	4129.6	4159.6	4169.6	4179.7	4169.6	4164.6
42.5°	2392.6	3183.5	3939.4	3964.4	3944.4	3969.3	3979.4	3999.4	3984.4	3964.4	3964.4
45°	2192.4	3093.4	3749.2	3779.1	3749.2	3789.2	3804.2	3804.2	3759.1	3749.2	3744.1
47.5°	2127.4	2913.2	3559.0	3559.0	3543.9	3594.0	3619.0	3583.9	3539.0	3523.9	3523.9
50°	2122.4	2713.0	3298.7	3278.6	3348.7	3408.8	3383.8	3348.7	3313.7	3258.6	3258.6
52.5°	1927.1	2467.8	2963.2	3038.4	3148.5	3183.5	3143.5	3108.5	3048.3	3023.4	3003.4
55°	1786.9	2212.5	2658.0	2808.1	2923.2	2968.3	2893.2	2858.1	2768.1	2753.0	2743.1
57.5°	1757.0	1842.0	2377.6	2567.8	2708.0	2703.0	2658.0	2592.9	2517.8	2502.8	2497.7
60°	1611.8	1331.5	2077.3	2302.5	2447.7	2432.7	2392.6	2332.6	2262.5	2252.5	2242.5
62.5°	1461.6	966.1	1736.9	1992.2	2197.4	2192.4	2157.4	2067.2	2017.3	1992.2	1972.2
65°	1241.4	810.9	1236.3	1656.9	1952.2	1962.1	1887.1	1822.0	1766.9	1736.9	1731.9
67.5°	946.1	660.7	835.9	1381.5	1716.9	1706.9	1611.8	1581.7	1511.6	1496.6	1466.6
70°	700.8	440.4	580.7	1121.3	1486.6	1461.6	1386.5	1351.5	1286.4	1251.3	1231.3
72.5°	580.7	355.4	425.5	870.9	1251.3	1221.4	1156.3	1116.3	1061.1	1031.2	1011.1
75°	470.5	375.4	325.4	645.7	1016.1	996.1	936.0	896.0	850.9	810.9	815.9
77.5°	345.4	350.4	260.3	475.5	805.9	775.9	740.8	690.8	670.8	630.7	630.7
80°	260.3	275.3	195.2	325.4	580.7	580.7	550.6	515.6	480.6	460.5	460.5
82.5°	175.2	175.2	145.1	205.2	395.5	380.4	360.4	350.4	330.4	320.4	320.4
85°	80.1	100.1	90.1	125.1	215.2	225.2	225.2	215.2	210.2	200.3	205.2
87.5°	25.0	45.1	55.0	70.1	110.1	115.2	120.1	120.1	120.1	125.1	125.1
90°	15.3	27.5	39.8	42.9	67.3	100.0	116.3	103.4	77.6	58.2	58.2
92.5°	61.2	165.4	269.6	295.6	415.6	575.5	655.5	574.4	412.4	291.0	279.4
95°	147.0	337.6	528.2	575.8	1022.5	1618.1	1915.9	1709.6	1297.2	987.9	952.8
97.5°	254.2	422.3	590.5	632.5	1377.3	2370.4	2867.0	2736.6	2475.9	2280.4	2213.7
100°	336.9	489.5	641.9	680.0	1506.5	2608.6	3159.5	3169.1	3188.1	3202.4	3123.0
102.5°	407.4	549.7	691.9	727.5	1565.8	2683.4	3242.3	3408.3	3740.5	3989.7	3921.6
105°	526.8	647.3	767.8	798.0	1609.6	2691.9	3233.0	3605.3	4350.0	4908.5	4871.9
107.5°	649.4	761.7	874.0	902.1	1617.8	2572.2	3049.3	3568.6	4607.3	5386.3	5395.2
110°	732.1	833.5	934.9	960.3	1605.5	2465.9	2896.1	3476.7	4637.9	5508.9	5547.0



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	813.3	909.9	1006.5	1030.7	1606.0	2373.2	2756.8	3351.0	4539.4	5430.8	5489.4
115°	935.7	1024.8	1114.1	1136.4	1620.9	2266.8	2589.8	3162.3	4307.1	5165.9	5247.0
117.5°	1056.8	1137.7	1218.8	1239.0	1651.0	2200.3	2475.0	2991.6	4024.9	4799.7	4889.8
120°	1127.2	1203.4	1279.7	1298.8	1675.5	2177.9	2429.0	2901.1	3845.2	4553.2	4640.7
122.5°	1196.1	1273.0	1349.9	1369.2	1710.7	2166.1	2393.8	2818.9	3669.0	4306.7	4392.9
125°	1301.8	1371.9	1442.0	1459.6	1758.2	2156.4	2355.5	2716.5	3438.8	3980.4	4059.9
127.5°	1387.6	1458.4	1529.2	1546.8	1805.7	2150.8	2323.3	2633.3	3253.4	3718.5	3785.5
130°	1433.5	1509.8	1586.0	1605.0	1840.4	2154.2	2311.1	2587.1	3139.1	3553.1	3615.1
132.5°	1481.0	1557.2	1633.5	1652.5	1868.5	2156.4	2300.3	2547.4	3041.6	3412.3	3467.8
135°	1551.5	1620.9	1690.3	1707.7	1899.1	2154.4	2282.0	2489.0	2902.8	3213.2	3261.0
137.5°	1623.4	1692.2	1760.9	1778.1	1945.0	2167.6	2278.9	2453.9	2803.7	3066.1	3105.2
140°	1683.1	1746.4	1809.7	1825.6	1973.1	2169.8	2268.2	2419.2	2721.5	2948.1	2984.7
142.5°	1729.0	1787.6	1846.2	1860.8	1996.6	2177.7	2268.2	2400.9	2666.4	2865.5	2897.0
145°	1799.5	1850.6	1901.7	1914.4	2027.2	2177.7	2252.9	2361.5	2578.6	2741.4	2765.2
147.5°	1869.9	1919.6	1969.3	1981.8	2072.2	2192.7	2252.9	2338.3	2509.2	2637.3	2657.0
150°	1915.9	1960.9	2005.8	2017.1	2095.6	2200.5	2252.9	2325.1	2469.3	2577.5	2593.5
152.5°	1963.4	1997.4	2031.6	2040.0	2111.0	2205.6	2252.9	2314.5	2437.7	2530.1	2542.2
155°	2033.8	2059.1	2084.2	2090.5	2144.6	2216.8	2252.9	2301.9	2399.9	2473.4	2481.4
157.5°	2086.0	2110.4	2135.0	2141.1	2178.4	2228.1	2252.9	2291.0	2367.2	2424.4	2430.0
160°	2121.2	2140.2	2159.3	2164.1	2193.7	2233.2	2252.9	2285.5	2350.9	2399.9	2403.2
162.5°	2156.4	2170.7	2185.0	2188.5	2210.0	2238.6	2252.9	2280.5	2335.6	2377.0	2380.0
165°	2194.6	2207.6	2220.5	2223.7	2233.5	2246.4	2252.9	2272.6	2312.1	2341.7	2344.9
167.5°	2229.9	2236.1	2242.2	2243.6	2251.8	2262.8	2268.2	2281.1	2306.9	2326.4	2327.7
170°	2252.9	2259.0	2265.1	2266.6	2267.1	2267.8	2268.2	2281.1	2306.9	2326.4	2326.4
172.5°	2265.1	2266.5	2267.9	2268.2	2268.2	2268.2	2268.2	2278.4	2298.9	2314.1	2313.0
175°	2282.0	2282.0	2282.0	2282.0	2277.4	2271.3	2268.2	2274.7	2287.6	2297.3	2297.3
177.5°	2282.0	2282.0	2282.0	2282.0	2278.4	2273.6	2271.3	2276.4	2286.5	2294.2	2292.8
180°	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5426.0	5411.0	5426.0	5416.0	5421.0	5405.9	5360.9	5345.9	5360.9	5376.0	5376.0
5°	5491.0	5481.1	5491.0	5491.0	5486.1	5476.0	5426.0	5416.0	5426.0	5431.0	5421.0
7.5°	5511.0	5496.1	5511.0	5501.1	5501.1	5491.0	5441.0	5431.0	5436.0	5451.0	5436.0
10°	5511.0	5496.1	5511.0	5506.1	5501.1	5491.0	5441.0	5421.0	5421.0	5436.0	5421.0
12.5°	5486.1	5476.0	5486.1	5476.0	5476.0	5466.0	5416.0	5396.0	5400.9	5405.9	5385.9
15°	5446.0	5431.0	5446.0	5436.0	5441.0	5426.0	5370.9	5350.9	5350.9	5360.9	5325.9
17.5°	5385.9	5365.9	5385.9	5380.9	5376.0	5365.9	5315.8	5295.8	5290.9	5295.8	5270.9
20°	5315.8	5300.8	5315.8	5310.9	5310.9	5290.9	5240.8	5215.7	5215.7	5215.7	5190.7
22.5°	5205.8	5190.7	5205.8	5215.7	5215.7	5210.7	5165.7	5130.7	5120.7	5120.7	5090.6
25°	5080.6	5065.6	5080.6	5080.6	5075.6	5080.6	5065.6	5045.6	5030.6	5015.6	4985.5
27.5°	4960.5	4950.5	4960.5	4950.5	4960.5	4945.5	4940.5	4935.4	4915.4	4900.4	4860.4
30°	4840.4	4830.3	4840.4	4830.3	4820.4	4810.3	4785.3	4775.3	4795.3	4785.3	4720.2
32.5°	4690.2	4680.1	4690.2	4690.2	4680.1	4680.1	4640.1	4625.1	4630.2	4660.1	4600.1
35°	4535.0	4520.0	4535.0	4530.0	4535.0	4520.0	4495.0	4489.9	4469.9	4504.9	4459.9
37.5°	4354.8	4339.8	4354.8	4354.8	4354.8	4364.8	4344.8	4329.8	4299.7	4344.8	4309.8
40°	4169.6	4149.6	4169.6	4164.6	4169.6	4179.7	4169.6	4159.6	4129.6	4164.6	4134.6
42.5°	3959.4	3954.4	3959.4	3964.4	3964.4	3984.4	3999.4	3979.4	3969.3	3944.4	3964.4
45°	3734.1	3724.1	3734.1	3744.1	3749.2	3759.1	3804.2	3804.2	3789.2	3749.2	3779.1
47.5°	3493.9	3468.8	3493.9	3523.9	3523.9	3539.0	3583.9	3619.0	3594.0	3543.9	3559.0
50°	3238.6	3243.5	3238.6	3258.6	3258.6	3313.7	3348.7	3383.8	3408.8	3348.7	3278.6
52.5°	2988.3	2983.3	2988.3	3003.4	3023.4	3048.3	3108.5	3143.5	3183.5	3148.5	3038.4
55°	2738.0	2748.1	2738.0	2743.1	2753.0	2768.1	2858.1	2893.2	2968.3	2923.2	2808.1
57.5°	2487.8	2472.7	2487.8	2497.7	2502.8	2517.8	2592.9	2658.0	2703.0	2708.0	2567.8
60°	2197.4	2177.4	2197.4	2242.5	2252.5	2262.5	2332.6	2392.6	2432.7	2447.7	2302.5
62.5°	1942.1	1907.1	1942.1	1972.2	1992.2	2017.3	2067.2	2157.4	2192.4	2197.4	1992.2
65°	1671.9	1656.9	1671.9	1731.9	1736.9	1766.9	1822.0	1887.1	1962.1	1952.2	1656.9
67.5°	1426.5	1426.5	1426.5	1466.6	1496.6	1511.6	1581.7	1611.8	1706.9	1716.9	1381.5
70°	1201.3	1196.3	1201.3	1231.3	1251.3	1286.4	1351.5	1386.5	1461.6	1486.6	1121.3
72.5°	986.1	981.1	986.1	1011.1	1031.2	1061.1	1116.3	1156.3	1221.4	1251.3	870.9
75°	795.9	785.8	795.9	815.9	810.9	850.9	896.0	936.0	996.1	1016.1	645.7
77.5°	610.6	610.6	610.6	630.7	630.7	670.8	690.8	740.8	775.9	805.9	475.5
80°	455.5	450.5	455.5	460.5	460.5	480.6	515.6	550.6	580.7	580.7	325.4
82.5°	320.4	310.3	320.4	320.4	320.4	330.4	350.4	360.4	380.4	395.5	205.2
85°	200.3	200.3	200.3	205.2	200.3	210.2	215.2	225.2	225.2	215.2	125.1
87.5°	130.2	125.1	130.2	125.1	125.1	120.1	120.1	120.1	115.2	110.1	70.1
90°	58.2	58.2	58.2	58.2	58.2	77.6	103.4	116.3	100.0	67.3	42.9
92.5°	233.1	186.8	233.1	279.4	291.0	412.4	574.4	655.5	575.5	415.6	295.6
95°	812.6	672.4	812.6	952.8	987.9	1297.2	1709.6	1915.9	1618.1	1022.5	575.8
97.5°	1946.9	1680.0	1946.9	2213.7	2280.4	2475.9	2736.6	2867.0	2370.4	1377.3	632.5
100°	2805.1	2487.2	2805.1	3123.0	3202.4	3188.1	3169.1	3159.5	2608.6	1506.5	680.0
102.5°	3649.3	3377.0	3649.3	3921.6	3989.7	3740.5	3408.3	3242.3	2683.4	1565.8	727.5
105°	4725.6	4579.3	4725.6	4871.9	4908.5	4350.0	3605.3	3233.0	2691.9	1609.6	798.0
107.5°	5430.6	5466.0	5430.6	5395.2	5386.3	4607.3	3568.6	3049.3	2572.2	1617.8	902.1
110°	5699.5	5851.9	5699.5	5547.0	5508.9	4637.9	3476.7	2896.1	2465.9	1605.5	960.3





TEST NUMBER: P935778

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5723.4	5957.6	5723.4	5489.4	5430.8	4539.4	3351.0	2756.8	2373.2	1606.0	1030.7
115°	5571.7	5896.4	5571.7	5247.0	5165.9	4307.1	3162.3	2589.8	2266.8	1620.9	1136.4
117.5°	5249.9	5609.9	5249.9	4889.8	4799.7	4024.9	2991.6	2475.0	2200.3	1651.0	1239.0
120°	4990.5	5340.4	4990.5	4640.7	4553.2	3845.2	2901.1	2429.0	2177.9	1675.5	1298.8
122.5°	4738.0	5083.1	4738.0	4392.9	4306.7	3669.0	2818.9	2393.8	2166.1	1710.7	1369.2
125°	4377.7	4695.6	4377.7	4059.9	3980.4	3438.8	2716.5	2355.5	2156.4	1758.2	1459.6
127.5°	4053.7	4321.9	4053.7	3785.5	3718.5	3253.4	2633.3	2323.3	2150.8	1805.7	1546.8
130°	3862.9	4110.6	3862.9	3615.1	3553.1	3139.1	2587.1	2311.1	2154.2	1840.4	1605.0
132.5°	3689.6	3911.5	3689.6	3467.8	3412.3	3041.6	2547.4	2300.3	2156.4	1868.5	1652.5
135°	3452.2	3643.5	3452.2	3261.0	3213.2	2902.8	2489.0	2282.0	2154.4	1899.1	1707.7
137.5°	3261.8	3418.4	3261.8	3105.2	3066.1	2803.7	2453.9	2278.9	2167.6	1945.0	1778.1
140°	3131.1	3277.5	3131.1	2984.7	2948.1	2721.5	2419.2	2268.2	2169.8	1973.1	1825.6
142.5°	3022.9	3148.8	3022.9	2897.0	2865.5	2666.4	2400.9	2268.2	2177.7	1996.6	1860.8
145°	2860.5	2955.8	2860.5	2765.2	2741.4	2578.6	2361.5	2252.9	2177.7	2027.2	1914.4
147.5°	2736.0	2814.9	2736.0	2657.0	2637.3	2509.2	2338.3	2252.9	2192.7	2072.2	1981.8
150°	2657.6	2721.6	2657.6	2593.5	2577.5	2469.3	2325.1	2252.9	2200.5	2095.6	2017.1
152.5°	2590.5	2638.8	2590.5	2542.2	2530.1	2437.7	2314.5	2252.9	2205.6	2111.0	2040.0
155°	2513.4	2545.4	2513.4	2481.4	2473.4	2399.9	2301.9	2252.9	2216.8	2144.6	2090.5
157.5°	2452.5	2475.0	2452.5	2430.0	2424.4	2367.2	2291.0	2252.9	2228.1	2178.4	2141.1
160°	2416.1	2429.0	2416.1	2403.2	2399.9	2350.9	2285.5	2252.9	2233.2	2193.7	2164.1
162.5°	2392.2	2404.5	2392.2	2380.0	2377.0	2335.6	2280.5	2252.9	2238.6	2210.0	2188.5
165°	2357.8	2370.8	2357.8	2344.9	2341.7	2312.1	2272.6	2252.9	2246.4	2233.5	2223.7
167.5°	2333.2	2338.6	2333.2	2327.7	2326.4	2306.9	2281.1	2268.2	2262.8	2251.8	2243.6
170°	2326.4	2326.4	2326.4	2326.4	2326.4	2306.9	2281.1	2268.2	2267.8	2267.1	2266.6
172.5°	2308.1	2303.4	2308.1	2313.0	2314.1	2298.9	2278.4	2268.2	2268.2	2268.2	2268.2
175°	2297.3	2297.3	2297.3	2297.3	2297.3	2287.6	2274.7	2268.2	2271.3	2277.4	2282.0
177.5°	2287.4	2282.0	2287.4	2292.8	2294.2	2286.5	2276.4	2271.3	2273.6	2278.4	2282.0
180°	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0



TEST NUMBER: P935778

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5365.9	5335.9	5335.9	5285.8	5265.8	5250.8	5225.8	5150.7	5130.7	5110.6	5140.7
5°	5411.0	5356.0	5315.8	5225.8	5150.7	5120.7	5025.5	4845.3	4725.2	4635.1	4585.1
7.5°	5421.0	5350.9	5275.8	5135.7	4955.4	4875.4	4585.1	4254.7	4164.6	4084.5	4034.4
10°	5411.0	5330.9	5225.8	5015.6	4590.0	4449.9	4159.6	3944.4	3889.3	3874.3	3889.3
12.5°	5376.0	5300.8	5155.7	4805.3	4209.6	4114.6	3944.4	3819.2	3809.2	3834.3	3969.3
15°	5315.8	5245.8	5075.6	4525.0	3999.4	3929.3	3809.2	3764.2	3819.2	3994.4	4399.8
17.5°	5255.8	5175.7	4965.5	4249.7	3839.3	3789.2	3704.1	3794.2	4104.5	4339.8	4475.0
20°	5175.7	5080.6	4840.4	4049.5	3724.1	3679.1	3639.0	4044.5	4279.7	4364.8	4439.9
22.5°	5080.6	4980.5	4670.2	3909.3	3604.0	3568.9	3594.0	4184.6	4279.7	4339.8	4404.9
25°	4955.4	4870.3	4469.9	3799.2	3508.9	3468.8	3563.9	4169.6	4224.6	4239.7	4369.9
27.5°	4840.4	4730.2	4259.7	3699.1	3393.7	3378.7	3588.9	4104.5	4144.6	4159.6	4299.7
30°	4700.2	4535.0	4024.5	3594.0	3273.6	3268.6	3594.0	4024.5	4014.4	4054.4	4194.6
32.5°	4555.0	4244.7	3759.1	3463.8	3158.5	3153.5	3559.0	3904.3	3894.3	3949.3	4054.4
35°	4419.8	4019.4	3398.7	3313.7	3013.3	3018.3	3473.9	3764.2	3769.2	3819.2	3884.2
37.5°	4279.7	3824.2	3003.4	3148.5	2873.2	2873.2	3358.7	3634.0	3624.0	3639.0	3729.2
40°	4114.6	3518.8	2652.9	2933.3	2743.1	2728.0	3218.6	3493.9	3458.8	3453.9	3579.0
42.5°	3939.4	3183.5	2392.6	2647.9	2592.9	2572.9	3048.3	3323.7	3258.6	3273.6	3433.7
45°	3749.2	3093.4	2192.4	2237.4	2437.7	2422.7	2863.1	3128.5	3083.4	3123.5	3288.6
47.5°	3559.0	2913.2	2127.4	1857.0	2272.5	2267.5	2658.0	2938.3	2913.2	2953.3	3128.5
50°	3298.7	2713.0	2122.4	1591.8	2087.3	2107.3	2412.6	2753.0	2753.0	2788.1	2973.3
52.5°	2963.2	2467.8	1927.1	1441.6	1872.0	1932.2	2197.4	2592.9	2602.8	2637.9	2803.1
55°	2658.0	2212.5	1786.9	1326.5	1616.7	1746.9	1987.2	2427.6	2447.7	2482.7	2632.9
57.5°	2377.6	1842.0	1757.0	1191.3	1381.5	1506.7	1802.0	2267.5	2277.6	2307.5	2452.7
60°	2077.3	1331.5	1611.8	1046.1	1176.3	1271.4	1631.8	2077.3	2112.3	2132.3	2257.4
62.5°	1736.9	966.1	1461.6	946.1	1076.2	1096.2	1491.6	1897.1	1942.1	1957.1	2032.2
65°	1236.3	810.9	1241.4	861.0	971.1	976.0	1341.5	1711.9	1751.9	1777.0	1832.0
67.5°	835.9	660.7	946.1	780.8	890.9	896.0	1196.3	1496.6	1551.7	1571.8	1606.8
70°	580.7	440.4	700.8	695.7	800.9	810.9	1041.1	1301.4	1351.5	1366.5	1386.5
72.5°	425.5	355.4	580.7	625.7	705.8	715.8	881.0	1081.1	1131.2	1146.2	1156.3
75°	325.4	375.4	470.5	545.6	600.7	605.7	720.8	881.0	916.0	926.1	931.0
77.5°	260.3	350.4	345.4	440.4	490.5	480.6	565.7	680.7	710.8	710.8	710.8
80°	195.2	275.3	260.3	315.3	360.4	350.4	405.4	485.5	495.6	505.5	500.6
82.5°	145.1	175.2	175.2	200.3	240.3	230.2	270.3	315.3	315.3	315.3	325.4
85°	90.1	100.1	80.1	105.1	135.2	130.2	150.2	170.2	175.2	175.2	165.2
87.5°	55.0	45.1	25.0	40.0	60.0	60.0	70.1	75.0	70.1	70.1	70.1
90°	39.8	27.5	15.3	27.5	39.8	42.9	67.3	100.0	116.3	103.4	77.6
92.5°	269.6	165.4	61.2	165.4	269.6	295.6	415.6	575.5	655.5	574.4	412.4
95°	528.2	337.6	147.0	337.6	528.2	575.8	1022.5	1618.1	1915.9	1709.6	1297.2
97.5°	590.5	422.3	254.2	422.3	590.5	632.5	1377.3	2370.4	2867.0	2736.6	2475.9
100°	641.9	489.5	336.9	489.5	641.9	680.0	1506.5	2608.6	3159.5	3169.1	3188.1
102.5°	691.9	549.7	407.4	549.7	691.9	727.5	1565.8	2683.4	3242.3	3408.3	3740.5
105°	767.8	647.3	526.8	647.3	767.8	798.0	1609.6	2691.9	3233.0	3605.3	4350.0
107.5°	874.0	761.7	649.4	761.7	874.0	902.1	1617.8	2572.2	3049.3	3568.6	4607.3
110°	934.9	833.5	732.1	833.5	934.9	960.3	1605.5	2465.9	2896.1	3476.7	4637.9



TEST NUMBER: P935778

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1006.5	909.9	813.3	909.9	1006.5	1030.7	1606.0	2373.2	2756.8	3351.0	4539.4
115°	1114.1	1024.8	935.7	1024.8	1114.1	1136.4	1620.9	2266.8	2589.8	3162.3	4307.1
117.5°	1218.8	1137.7	1056.8	1137.7	1218.8	1239.0	1651.0	2200.3	2475.0	2991.6	4024.9
120°	1279.7	1203.4	1127.2	1203.4	1279.7	1298.8	1675.5	2177.9	2429.0	2901.1	3845.2
122.5°	1349.9	1273.0	1196.1	1273.0	1349.9	1369.2	1710.7	2166.1	2393.8	2818.9	3669.0
125°	1442.0	1371.9	1301.8	1371.9	1442.0	1459.6	1758.2	2156.4	2355.5	2716.5	3438.8
127.5°	1529.2	1458.4	1387.6	1458.4	1529.2	1546.8	1805.7	2150.8	2323.3	2633.3	3253.4
130°	1586.0	1509.8	1433.5	1509.8	1586.0	1605.0	1840.4	2154.2	2311.1	2587.1	3139.1
132.5°	1633.5	1557.2	1481.0	1557.2	1633.5	1652.5	1868.5	2156.4	2300.3	2547.4	3041.6
135°	1690.3	1620.9	1551.5	1620.9	1690.3	1707.7	1899.1	2154.4	2282.0	2489.0	2902.8
137.5°	1760.9	1692.2	1623.4	1692.2	1760.9	1778.1	1945.0	2167.6	2278.9	2453.9	2803.7
140°	1809.7	1746.4	1683.1	1746.4	1809.7	1825.6	1973.1	2169.8	2268.2	2419.2	2721.5
142.5°	1846.2	1787.6	1729.0	1787.6	1846.2	1860.8	1996.6	2177.7	2268.2	2400.9	2666.4
145°	1901.7	1850.6	1799.5	1850.6	1901.7	1914.4	2027.2	2177.7	2252.9	2361.5	2578.6
147.5°	1969.3	1919.6	1869.9	1919.6	1969.3	1981.8	2072.2	2192.7	2252.9	2338.3	2509.2
150°	2005.8	1960.9	1915.9	1960.9	2005.8	2017.1	2095.6	2200.5	2252.9	2325.1	2469.3
152.5°	2031.6	1997.4	1963.4	1997.4	2031.6	2040.0	2111.0	2205.6	2252.9	2314.5	2437.7
155°	2084.2	2059.1	2033.8	2059.1	2084.2	2090.5	2144.6	2216.8	2252.9	2301.9	2399.9
157.5°	2135.0	2110.4	2086.0	2110.4	2135.0	2141.1	2178.4	2228.1	2252.9	2291.0	2367.2
160°	2159.3	2140.2	2121.2	2140.2	2159.3	2164.1	2193.7	2233.2	2252.9	2285.5	2350.9
162.5°	2185.0	2170.7	2156.4	2170.7	2185.0	2188.5	2210.0	2238.6	2252.9	2280.5	2335.6
165°	2220.5	2207.6	2194.6	2207.6	2220.5	2223.7	2233.5	2246.4	2252.9	2272.6	2312.1
167.5°	2242.2	2236.1	2229.9	2236.1	2242.2	2243.6	2251.8	2262.8	2268.2	2281.1	2306.9
170°	2265.1	2259.0	2252.9	2259.0	2265.1	2266.6	2267.1	2267.8	2268.2	2281.1	2306.9
172.5°	2267.9	2266.5	2265.1	2266.5	2267.9	2268.2	2268.2	2268.2	2268.2	2278.4	2298.9
175°	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2277.4	2271.3	2268.2	2274.7	2287.6
177.5°	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2278.4	2273.6	2271.3	2276.4	2286.5
180°	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0



TEST NUMBER: P935778

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5105.6	5090.6	5110.6	5055.6	5110.6	5090.6	5105.6	5140.7	5110.6	5130.7	5150.7
5°	4480.0	4454.9	4374.8	4309.8	4374.8	4454.9	4480.0	4585.1	4635.1	4725.2	4845.3
7.5°	4004.4	3984.4	3964.4	3924.4	3964.4	3984.4	4004.4	4034.4	4084.5	4164.6	4254.7
10°	3899.3	3904.3	3934.3	3929.3	3934.3	3904.3	3899.3	3889.3	3874.3	3889.3	3944.4
12.5°	4169.6	4214.7	4379.8	4369.9	4379.8	4214.7	4169.6	3969.3	3834.3	3809.2	3819.2
15°	4480.0	4495.0	4530.0	4535.0	4530.0	4495.0	4480.0	4399.8	3994.4	3819.2	3764.2
17.5°	4510.0	4515.0	4540.0	4540.0	4540.0	4515.0	4510.0	4475.0	4339.8	4104.5	3794.2
20°	4484.9	4495.0	4545.1	4555.0	4545.1	4495.0	4484.9	4439.9	4364.8	4279.7	4044.5
22.5°	4475.0	4495.0	4535.0	4530.0	4535.0	4495.0	4475.0	4404.9	4339.8	4279.7	4184.6
25°	4424.9	4424.9	4429.9	4434.9	4429.9	4424.9	4424.9	4369.9	4239.7	4224.6	4169.6
27.5°	4319.8	4329.8	4359.8	4354.8	4359.8	4329.8	4319.8	4299.7	4159.6	4144.6	4104.5
30°	4224.6	4214.7	4189.6	4169.6	4189.6	4214.7	4224.6	4194.6	4054.4	4014.4	4024.5
32.5°	4064.5	4039.4	4014.4	3999.4	4014.4	4039.4	4064.5	4054.4	3949.3	3894.3	3904.3
35°	3874.3	3879.3	3874.3	3859.3	3874.3	3879.3	3874.3	3884.2	3819.2	3769.2	3764.2
37.5°	3739.1	3749.2	3744.1	3724.1	3744.1	3749.2	3739.1	3729.2	3639.0	3624.0	3634.0
40°	3599.0	3604.0	3599.0	3583.9	3599.0	3604.0	3599.0	3579.0	3453.9	3458.8	3493.9
42.5°	3463.8	3458.8	3443.8	3433.7	3443.8	3458.8	3463.8	3433.7	3273.6	3258.6	3323.7
45°	3308.6	3313.7	3283.6	3268.6	3283.6	3313.7	3308.6	3288.6	3123.5	3083.4	3128.5
47.5°	3153.5	3153.5	3128.5	3113.4	3128.5	3153.5	3153.5	3128.5	2953.3	2913.2	2938.3
50°	2988.3	2983.3	2948.2	2943.2	2948.2	2983.3	2988.3	2973.3	2788.1	2753.0	2753.0
52.5°	2798.1	2798.1	2803.1	2813.1	2803.1	2798.1	2798.1	2803.1	2637.9	2602.8	2592.9
55°	2632.9	2637.9	2672.9	2683.0	2672.9	2637.9	2632.9	2632.9	2482.7	2447.7	2427.6
57.5°	2462.7	2462.7	2487.8	2487.8	2487.8	2462.7	2462.7	2452.7	2307.5	2277.6	2267.5
60°	2267.5	2277.6	2297.6	2292.5	2297.6	2277.6	2267.5	2257.4	2132.3	2112.3	2077.3
62.5°	2062.3	2072.3	2077.3	2067.2	2077.3	2072.3	2062.3	2032.2	1957.1	1942.1	1897.1
65°	1847.1	1857.0	1862.1	1852.0	1862.1	1857.0	1847.1	1832.0	1777.0	1751.9	1711.9
67.5°	1626.8	1621.8	1616.7	1636.8	1616.7	1621.8	1626.8	1606.8	1571.8	1551.7	1496.6
70°	1401.5	1401.5	1396.6	1406.5	1396.6	1401.5	1401.5	1386.5	1366.5	1351.5	1301.4
72.5°	1161.3	1156.3	1176.3	1161.3	1176.3	1156.3	1161.3	1156.3	1146.2	1131.2	1081.1
75°	926.1	936.0	926.1	941.0	926.1	936.0	926.1	931.0	926.1	916.0	881.0
77.5°	705.8	715.8	705.8	705.8	705.8	715.8	705.8	710.8	710.8	710.8	680.7
80°	500.6	495.6	495.6	490.5	495.6	495.6	500.6	500.6	505.5	495.6	485.5
82.5°	320.4	315.3	315.3	325.4	315.3	315.3	320.4	325.4	315.3	315.3	315.3
85°	175.2	180.2	170.2	170.2	170.2	180.2	175.2	165.2	175.2	175.2	170.2
87.5°	65.1	60.0	60.0	60.0	60.0	60.0	65.1	70.1	70.1	70.1	75.0
90°	58.2	58.2	58.2	58.2	58.2	58.2	58.2	77.6	103.4	116.3	100.0
92.5°	291.0	279.4	233.1	186.8	233.1	279.4	291.0	412.4	574.4	655.5	575.5
95°	987.9	952.8	812.6	672.4	812.6	952.8	987.9	1297.2	1709.6	1915.9	1618.1
97.5°	2280.4	2213.7	1946.9	1680.0	1946.9	2213.7	2280.4	2475.9	2736.6	2867.0	2370.4
100°	3202.4	3123.0	2805.1	2487.2	2805.1	3123.0	3202.4	3188.1	3169.1	3159.5	2608.6
102.5°	3989.7	3921.6	3649.3	3377.0	3649.3	3921.6	3989.7	3740.5	3408.3	3242.3	2683.4
105°	4908.5	4871.9	4725.6	4579.3	4725.6	4871.9	4908.5	4350.0	3605.3	3233.0	2691.9
107.5°	5386.3	5395.2	5430.6	5466.0	5430.6	5395.2	5386.3	4607.3	3568.6	3049.3	2572.2
110°	5508.9	5547.0	5699.5	5851.9	5699.5	5547.0	5508.9	4637.9	3476.7	2896.1	2465.9



TEST NUMBER: P935778

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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5430.8	5489.4	5723.4	5957.6	5723.4	5489.4	5430.8	4539.4	3351.0	2756.8	2373.2
115°	5165.9	5247.0	5571.7	5896.4	5571.7	5247.0	5165.9	4307.1	3162.3	2589.8	2266.8
117.5°	4799.7	4889.8	5249.9	5609.9	5249.9	4889.8	4799.7	4024.9	2991.6	2475.0	2200.3
120°	4553.2	4640.7	4990.5	5340.4	4990.5	4640.7	4553.2	3845.2	2901.1	2429.0	2177.9
122.5°	4306.7	4392.9	4738.0	5083.1	4738.0	4392.9	4306.7	3669.0	2818.9	2393.8	2166.1
125°	3980.4	4059.9	4377.7	4695.6	4377.7	4059.9	3980.4	3438.8	2716.5	2355.5	2156.4
127.5°	3718.5	3785.5	4053.7	4321.9	4053.7	3785.5	3718.5	3253.4	2633.3	2323.3	2150.8
130°	3553.1	3615.1	3862.9	4110.6	3862.9	3615.1	3553.1	3139.1	2587.1	2311.1	2154.2
132.5°	3412.3	3467.8	3689.6	3911.5	3689.6	3467.8	3412.3	3041.6	2547.4	2300.3	2156.4
135°	3213.2	3261.0	3452.2	3643.5	3452.2	3261.0	3213.2	2902.8	2489.0	2282.0	2154.4
137.5°	3066.1	3105.2	3261.8	3418.4	3261.8	3105.2	3066.1	2803.7	2453.9	2278.9	2167.6
140°	2948.1	2984.7	3131.1	3277.5	3131.1	2984.7	2948.1	2721.5	2419.2	2268.2	2169.8
142.5°	2865.5	2897.0	3022.9	3148.8	3022.9	2897.0	2865.5	2666.4	2400.9	2268.2	2177.7
145°	2741.4	2765.2	2860.5	2955.8	2860.5	2765.2	2741.4	2578.6	2361.5	2252.9	2177.7
147.5°	2637.3	2657.0	2736.0	2814.9	2736.0	2657.0	2637.3	2509.2	2338.3	2252.9	2192.7
150°	2577.5	2593.5	2657.6	2721.6	2657.6	2593.5	2577.5	2469.3	2325.1	2252.9	2200.5
152.5°	2530.1	2542.2	2590.5	2638.8	2590.5	2542.2	2530.1	2437.7	2314.5	2252.9	2205.6
155°	2473.4	2481.4	2513.4	2545.4	2513.4	2481.4	2473.4	2399.9	2301.9	2252.9	2216.8
157.5°	2424.4	2430.0	2452.5	2475.0	2452.5	2430.0	2424.4	2367.2	2291.0	2252.9	2228.1
160°	2399.9	2403.2	2416.1	2429.0	2416.1	2403.2	2399.9	2350.9	2285.5	2252.9	2233.2
162.5°	2377.0	2380.0	2392.2	2404.5	2392.2	2380.0	2377.0	2335.6	2280.5	2252.9	2238.6
165°	2341.7	2344.9	2357.8	2370.8	2357.8	2344.9	2341.7	2312.1	2272.6	2252.9	2246.4
167.5°	2326.4	2327.7	2333.2	2338.6	2333.2	2327.7	2326.4	2306.9	2281.1	2268.2	2262.8
170°	2326.4	2326.4	2326.4	2326.4	2326.4	2326.4	2326.4	2306.9	2281.1	2268.2	2267.8
172.5°	2314.1	2313.0	2308.1	2303.4	2308.1	2313.0	2314.1	2298.9	2278.4	2268.2	2268.2
175°	2297.3	2297.3	2297.3	2297.3	2297.3	2297.3	2297.3	2287.6	2274.7	2268.2	2271.3
177.5°	2294.2	2292.8	2287.4	2282.0	2287.4	2292.8	2294.2	2286.5	2276.4	2271.3	2273.6
180°	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0	2282.0



TEST NUMBER: P935778

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5290.9	5290.9	5290.9	5290.9	5290.9
2.5°	5225.8	5250.8	5265.8	5285.8	5335.9
5°	5025.5	5120.7	5150.7	5225.8	5315.8
7.5°	4585.1	4875.4	4955.4	5135.7	5275.8
10°	4159.6	4449.9	4590.0	5015.6	5225.8
12.5°	3944.4	4114.6	4209.6	4805.3	5155.7
15°	3809.2	3929.3	3999.4	4525.0	5075.6
17.5°	3704.1	3789.2	3839.3	4249.7	4965.5
20°	3639.0	3679.1	3724.1	4049.5	4840.4
22.5°	3594.0	3568.9	3604.0	3909.3	4670.2
25°	3563.9	3468.8	3508.9	3799.2	4469.9
27.5°	3588.9	3378.7	3393.7	3699.1	4259.7
30°	3594.0	3268.6	3273.6	3594.0	4024.5
32.5°	3559.0	3153.5	3158.5	3463.8	3759.1
35°	3473.9	3018.3	3013.3	3313.7	3398.7
37.5°	3358.7	2873.2	2873.2	3148.5	3003.4
40°	3218.6	2728.0	2743.1	2933.3	2652.9
42.5°	3048.3	2572.9	2592.9	2647.9	2392.6
45°	2863.1	2422.7	2437.7	2237.4	2192.4
47.5°	2658.0	2267.5	2272.5	1857.0	2127.4
50°	2412.6	2107.3	2087.3	1591.8	2122.4
52.5°	2197.4	1932.2	1872.0	1441.6	1927.1
55°	1987.2	1746.9	1616.7	1326.5	1786.9
57.5°	1802.0	1506.7	1381.5	1191.3	1757.0
60°	1631.8	1271.4	1176.3	1046.1	1611.8
62.5°	1491.6	1096.2	1076.2	946.1	1461.6
65°	1341.5	976.0	971.1	861.0	1241.4
67.5°	1196.3	896.0	890.9	780.8	946.1
70°	1041.1	810.9	800.9	695.7	700.8
72.5°	881.0	715.8	705.8	625.7	580.7
75°	720.8	605.7	600.7	545.6	470.5
77.5°	565.7	480.6	490.5	440.4	345.4
80°	405.4	350.4	360.4	315.3	260.3
82.5°	270.3	230.2	240.3	200.3	175.2
85°	150.2	130.2	135.2	105.1	80.1
87.5°	70.1	60.0	60.0	40.0	25.0
90°	67.3	42.9	39.8	27.5	15.3
92.5°	415.6	295.6	269.6	165.4	61.2
95°	1022.5	575.8	528.2	337.6	147.0
97.5°	1377.3	632.5	590.5	422.3	254.2
100°	1506.5	680.0	641.9	489.5	336.9
102.5°	1565.8	727.5	691.9	549.7	407.4
105°	1609.6	798.0	767.8	647.3	526.8
107.5°	1617.8	902.1	874.0	761.7	649.4
110°	1605.5	960.3	934.9	833.5	732.1



TEST NUMBER: P935778

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1606.0	1030.7	1006.5	909.9	813.3
115°	1620.9	1136.4	1114.1	1024.8	935.7
117.5°	1651.0	1239.0	1218.8	1137.7	1056.8
120°	1675.5	1298.8	1279.7	1203.4	1127.2
122.5°	1710.7	1369.2	1349.9	1273.0	1196.1
125°	1758.2	1459.6	1442.0	1371.9	1301.8
127.5°	1805.7	1546.8	1529.2	1458.4	1387.6
130°	1840.4	1605.0	1586.0	1509.8	1433.5
132.5°	1868.5	1652.5	1633.5	1557.2	1481.0
135°	1899.1	1707.7	1690.3	1620.9	1551.5
137.5°	1945.0	1778.1	1760.9	1692.2	1623.4
140°	1973.1	1825.6	1809.7	1746.4	1683.1
142.5°	1996.6	1860.8	1846.2	1787.6	1729.0
145°	2027.2	1914.4	1901.7	1850.6	1799.5
147.5°	2072.2	1981.8	1969.3	1919.6	1869.9
150°	2095.6	2017.1	2005.8	1960.9	1915.9
152.5°	2111.0	2040.0	2031.6	1997.4	1963.4
155°	2144.6	2090.5	2084.2	2059.1	2033.8
157.5°	2178.4	2141.1	2135.0	2110.4	2086.0
160°	2193.7	2164.1	2159.3	2140.2	2121.2
162.5°	2210.0	2188.5	2185.0	2170.7	2156.4
165°	2233.5	2223.7	2220.5	2207.6	2194.6
167.5°	2251.8	2243.6	2242.2	2236.1	2229.9
170°	2267.1	2266.6	2265.1	2259.0	2252.9
172.5°	2268.2	2268.2	2267.9	2266.5	2265.1
175°	2277.4	2282.0	2282.0	2282.0	2282.0
177.5°	2278.4	2282.0	2282.0	2282.0	2282.0
180°	2282.0	2282.0	2282.0	2282.0	2282.0



TEST NUMBER: P935778  
 CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-3000K

**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	14.35	15.19	15.32	16.18	17.48	17.20	18.04	18.17	19.03	20.33
	3H	14.82	15.58	15.81	16.58	17.90	18.55	19.31	19.53	20.30	21.62
	4H	15.01	15.73	16.01	16.73	18.06	19.00	19.71	20.00	20.71	22.04
	6H	15.13	15.79	16.14	16.80	18.14	19.29	19.95	20.30	20.95	22.29
	8H	15.13	15.76	16.15	16.78	18.12	19.36	19.99	20.38	21.01	22.35
	12H	15.10	15.70	16.12	16.71	18.08	19.41	20.00	20.42	21.02	22.38
4H	2H	15.38	16.10	16.39	17.10	18.43	17.61	18.32	18.61	19.32	20.65
	3H	16.41	17.01	17.42	18.03	19.38	19.12	19.71	20.13	20.74	22.08
	4H	16.68	17.23	17.71	18.25	19.62	19.65	20.19	20.67	21.21	22.58
	6H	16.81	17.28	17.84	18.32	19.68	20.02	20.49	21.05	21.53	22.89
	8H	16.81	17.25	17.85	18.29	19.67	20.13	20.57	21.16	21.60	22.98
	12H	16.78	17.18	17.83	18.23	19.61	20.19	20.58	21.24	21.63	23.02
8H	4H	17.14	17.58	18.17	18.62	19.99	19.77	20.21	20.80	21.25	22.62
	6H	17.40	17.76	18.46	18.84	20.22	20.21	20.57	21.27	21.65	23.03
	8H	17.44	17.76	18.51	18.83	20.22	20.37	20.69	21.43	21.75	23.14
	12H	17.43	17.71	18.49	18.77	20.20	20.47	20.75	21.54	21.81	23.24
12H	4H	17.15	17.54	18.20	18.59	19.98	19.73	20.13	20.78	21.18	22.56
	6H	17.46	17.78	18.53	18.85	20.24	20.21	20.53	21.27	21.59	22.98
	8H	17.53	17.81	18.60	18.87	20.30	20.37	20.65	21.44	21.71	23.15