

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: P935777

Luminaire Tested: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935777
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-12-2700K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

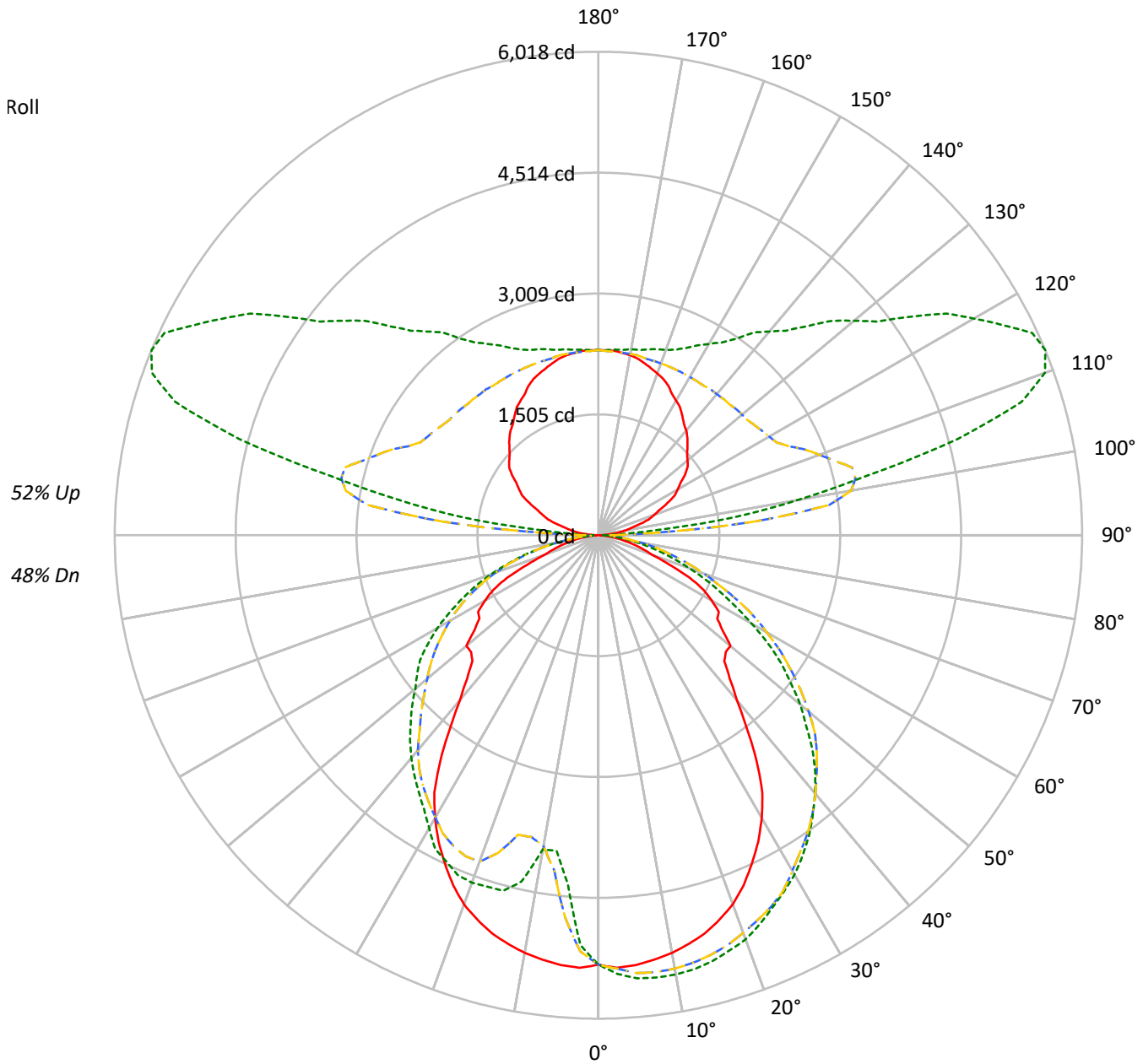
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28809.3 lumens
Efficiency: N/A
Efficacy: 127.7 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-12-2700K

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°	16531	16531	16531	16531
5°	16660	16687	16660	13121
10°	16555	16438	16555	11752
15°	16381	16082	16381	13428
20°	16046	15660	16046	13456
25°	15350	15044	15350	13171
30°	14450	14533	14450	12546
35°	12888	13887	12888	11857
40°	10745	13127	10745	11337
45°	9607	12236	9607	10739
50°	10215	11174	10215	10140
55°	9620	10030	9620	9793
60°	9929	8519	9929	8969
65°	9017	7042	9017	7871
70°	6259	5612	6259	6598
75°	5509	4148	5509	4968
80°	4472	2743	4472	2986
85°	2621	1453	2621	1235

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14716 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.4	1.7
10°-20°	1369.8	4.8
20°-30°	2117.4	7.3
30°-40°	2527.7	8.8
40°-50°	2542.6	8.8
50°-60°	2212.3	7.7
60°-70°	1568.6	5.4
70°-80°	829.9	2.9
80°-90°	215.5	0.7
90°-100°	1123.6	3.9
100°-110°	2954.1	10.3
110°-120°	3063.1	10.6
120°-130°	2457.0	8.5
130°-140°	1927.8	6.7
140°-150°	1479.7	5.1
150°-160°	1065.6	3.7
160°-170°	652.0	2.3
170°-180°	220.3	0.8
0°-30°	3969.6	13.8
0°-40°	6497.3	22.6
0°-60°	11252.2	39.1
0°-90°	13866.1	48.1
90°-120°	7140.8	24.8
90°-150°	13005.2	45.1
90°-180°	14943.0	51.9
0°-180°	28809.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5344	5344	5344	5344	5344	
5°	5370	5537	5370	4354	5370	509
15°	5127	5486	5127	4581	5127	1443
25°	4515	5117	4515	4480	4515	2073
35°	3433	4566	3433	3898	3433	2124
45°	2215	3762	2215	3302	2215	1774
55°	1805	2776	1805	2710	1805	1659
65°	1254	1674	1254	1871	1254	1199
75°	475	794	475	951	475	500
85°	81	202	81	172	81	109
90°	15	59	15	59	15	16
95°	148	679	148	679	148	165
105°	532	4626	532	4626	532	564
115°	945	5956	945	5956	945	934
125°	1315	4743	1315	4743	1315	1167
135°	1567	3680	1567	3680	1567	1213
145°	1818	2986	1818	2986	1818	1139
155°	2054	2571	2054	2571	2054	944
165°	2217	2395	2217	2395	2217	626
175°	2305	2321	2305	2321	2305	219
180°	2305	2305	2305	2305	2305	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5390.1	5390.1	5420.3	5430.5	5430.5	5415.3	5400.1	5415.3	5460.8	5476.0	5470.9
5°	5369.7	5410.3	5465.8	5476.0	5486.1	5481.0	5470.9	5481.0	5531.6	5541.7	5546.7
7.5°	5329.3	5405.2	5476.0	5491.1	5506.3	5491.1	5486.1	5496.2	5546.7	5556.9	5556.9
10°	5278.8	5385.0	5465.8	5476.0	5491.1	5476.0	5476.0	5496.2	5546.7	5556.9	5562.0
12.5°	5208.0	5354.6	5430.5	5440.6	5460.8	5455.7	5450.7	5470.9	5521.4	5531.6	5531.6
15°	5127.1	5299.0	5369.7	5379.9	5415.3	5405.2	5405.2	5425.4	5481.0	5496.2	5491.1
17.5°	5015.9	5228.2	5309.1	5324.3	5349.5	5344.5	5349.5	5369.7	5420.3	5430.5	5435.5
20°	4889.5	5132.1	5228.2	5243.3	5268.6	5268.6	5268.6	5293.9	5344.5	5364.8	5364.8
22.5°	4717.6	5031.0	5132.1	5142.2	5172.6	5172.6	5182.7	5218.0	5263.6	5268.6	5268.6
25°	4515.3	4919.7	5005.7	5036.1	5066.5	5081.6	5096.7	5117.0	5132.1	5127.1	5132.1
27.5°	4302.9	4778.2	4889.5	4909.7	4950.1	4965.3	4985.5	4990.6	4995.6	5010.8	5000.7
30°	4065.3	4581.0	4747.8	4768.1	4833.8	4843.9	4823.7	4833.8	4859.1	4869.2	4879.3
32.5°	3797.2	4287.8	4601.2	4646.7	4707.4	4677.1	4672.0	4687.2	4727.6	4727.6	4737.8
35°	3433.2	4060.2	4464.7	4505.1	4550.6	4515.3	4535.5	4540.6	4565.9	4581.0	4575.9
37.5°	3033.8	3863.0	4323.1	4353.5	4388.9	4343.4	4373.7	4388.9	4409.1	4398.9	4398.9
40°	2679.8	3554.5	4156.3	4176.5	4206.8	4171.4	4201.8	4211.9	4222.0	4211.9	4206.8
42.5°	2416.9	3215.8	3979.3	4004.6	3984.4	4009.6	4019.8	4040.0	4024.8	4004.6	4004.6
45°	2214.6	3124.8	3787.2	3817.5	3787.2	3827.6	3842.8	3842.8	3797.2	3787.2	3782.1
47.5°	2149.0	2942.8	3595.1	3595.1	3579.8	3630.4	3655.7	3620.3	3574.8	3559.6	3559.6
50°	2143.9	2740.5	3332.1	3311.9	3382.6	3443.4	3418.1	3382.6	3347.3	3291.7	3291.7
52.5°	1946.7	2492.8	2993.3	3069.2	3180.4	3215.8	3175.3	3140.0	3079.2	3054.0	3033.8
55°	1805.1	2234.9	2684.9	2836.6	2952.8	2998.4	2922.6	2887.1	2796.2	2780.9	2770.9
57.5°	1774.8	1860.7	2401.8	2593.9	2735.4	2730.4	2684.9	2619.2	2543.3	2528.1	2523.1
60°	1628.2	1345.0	2098.4	2325.9	2472.6	2457.3	2416.9	2356.2	2285.4	2275.4	2265.2
62.5°	1476.5	975.9	1754.6	2012.4	2219.7	2214.6	2179.2	2088.2	2037.7	2012.4	1992.2
65°	1254.0	819.1	1248.9	1673.7	1972.0	1982.0	1906.2	1840.5	1784.8	1754.6	1749.5
67.5°	955.7	667.4	844.4	1395.5	1734.3	1724.2	1628.2	1597.8	1527.0	1511.8	1481.5
70°	707.9	444.9	586.5	1132.7	1501.7	1476.5	1400.6	1365.2	1299.5	1264.0	1243.8
72.5°	586.5	359.0	429.8	879.8	1264.0	1233.7	1168.0	1127.6	1071.9	1041.6	1021.4
75°	475.3	379.2	328.7	652.3	1026.4	1006.2	945.5	905.1	859.5	819.1	824.2
77.5°	348.9	354.0	262.9	480.4	814.0	783.8	748.3	697.8	677.6	637.1	637.1
80°	262.9	278.1	197.2	328.7	586.5	586.5	556.2	520.8	485.5	465.1	465.1
82.5°	177.0	177.0	146.6	207.3	399.5	384.3	364.0	354.0	333.8	323.6	323.6
85°	80.9	101.1	91.0	126.4	217.4	227.5	227.5	217.4	212.3	202.3	207.3
87.5°	25.3	45.5	55.6	70.8	111.3	116.3	121.3	121.3	121.3	126.4	126.4
90°	15.4	27.8	40.2	43.3	68.0	101.0	117.5	104.5	78.4	58.8	58.8
92.5°	61.9	167.0	272.3	298.6	419.8	581.4	662.1	580.3	416.6	293.9	282.3
95°	148.5	341.0	533.6	581.7	1032.9	1634.5	1935.3	1727.0	1310.3	997.9	962.4
97.5°	256.8	426.6	596.5	638.9	1391.3	2394.5	2896.1	2764.4	2501.1	2303.5	2236.1
100°	340.3	494.4	648.4	686.9	1521.8	2635.0	3191.6	3201.2	3220.5	3234.9	3154.6
102.5°	411.5	555.3	698.9	734.8	1581.6	2710.6	3275.1	3442.9	3778.4	4030.1	3961.4
105°	532.2	653.9	775.6	806.1	1626.0	2719.2	3265.8	3641.9	4394.2	4958.3	4921.3
107.5°	656.0	769.4	882.9	911.2	1634.2	2598.3	3080.2	3604.8	4654.0	5440.9	5449.9
110°	739.5	841.9	944.4	970.0	1621.8	2490.9	2925.5	3512.0	4685.0	5564.8	5603.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	821.5	919.1	1016.7	1041.1	1622.3	2397.3	2784.7	3385.0	4585.5	5485.9	5545.0
115°	945.2	1035.2	1125.4	1147.9	1637.3	2289.8	2616.1	3194.4	4350.8	5218.2	5300.2
117.5°	1067.5	1149.3	1231.2	1251.6	1667.7	2222.6	2500.1	3022.0	4065.7	4848.4	4939.4
120°	1138.6	1215.6	1292.7	1311.9	1692.5	2200.0	2453.6	2930.5	3884.2	4599.4	4687.8
122.5°	1208.2	1285.9	1363.6	1383.0	1728.1	2188.1	2418.1	2847.5	3706.2	4350.3	4437.5
125°	1315.0	1385.8	1456.6	1474.4	1776.1	2178.3	2379.3	2744.1	3473.6	4020.8	4101.0
127.5°	1401.7	1473.2	1544.7	1562.5	1824.0	2172.6	2346.9	2660.0	3286.4	3756.2	3823.9
130°	1448.1	1525.1	1602.1	1621.3	1859.0	2176.1	2334.5	2613.3	3171.0	3589.2	3651.7
132.5°	1496.0	1573.0	1650.1	1669.3	1887.4	2178.3	2323.7	2573.3	3072.5	3446.9	3502.9
135°	1567.2	1637.3	1707.4	1725.0	1918.4	2176.3	2305.1	2514.2	2932.2	3245.8	3294.1
137.5°	1639.9	1709.3	1778.8	1796.1	1964.7	2189.6	2302.1	2478.7	2832.1	3097.2	3136.7
140°	1700.2	1764.1	1828.1	1844.1	1993.1	2191.8	2291.2	2443.8	2749.1	2978.0	3015.0
142.5°	1746.6	1805.7	1864.9	1879.7	2016.8	2199.8	2291.2	2425.3	2693.5	2894.6	2926.3
145°	1817.8	1869.4	1921.0	1933.8	2047.8	2199.8	2275.8	2385.4	2604.7	2769.2	2793.3
147.5°	1888.9	1939.1	1989.3	2001.9	2093.2	2214.9	2275.8	2362.0	2534.6	2664.0	2683.9
150°	1935.3	1980.7	2026.2	2037.5	2116.9	2222.8	2275.8	2348.7	2494.4	2603.6	2619.8
152.5°	1983.3	2017.7	2052.2	2060.7	2132.4	2228.0	2275.8	2338.0	2462.4	2555.7	2568.0
155°	2054.4	2079.9	2105.3	2111.7	2166.4	2239.3	2275.8	2325.3	2424.3	2498.5	2506.5
157.5°	2107.1	2131.8	2156.6	2162.8	2200.5	2250.7	2275.8	2314.2	2391.2	2449.0	2454.6
160°	2142.7	2161.9	2181.2	2186.0	2215.9	2255.8	2275.8	2308.7	2374.8	2424.3	2427.6
162.5°	2178.3	2192.7	2207.1	2210.7	2232.4	2261.3	2275.8	2303.6	2359.3	2401.1	2404.1
165°	2216.9	2229.9	2243.0	2246.3	2256.1	2269.2	2275.8	2295.7	2335.5	2365.4	2368.7
167.5°	2252.6	2258.7	2264.9	2266.4	2274.7	2285.7	2291.2	2304.2	2330.3	2350.0	2351.4
170°	2275.8	2281.9	2288.1	2289.6	2290.1	2290.8	2291.2	2304.2	2330.3	2350.0	2350.0
172.5°	2288.1	2289.5	2290.9	2291.2	2291.2	2291.2	2291.2	2301.6	2322.2	2337.6	2336.4
175°	2305.1	2305.1	2305.1	2305.1	2300.5	2294.3	2291.2	2297.8	2310.8	2320.6	2320.6
177.5°	2305.1	2305.1	2305.1	2305.1	2301.6	2296.7	2294.3	2299.5	2309.7	2317.5	2316.1
180°	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5481.0	5465.8	5481.0	5470.9	5476.0	5460.8	5415.3	5400.1	5415.3	5430.5	5430.5
5°	5546.7	5536.7	5546.7	5546.7	5541.7	5531.6	5481.0	5470.9	5481.0	5486.1	5476.0
7.5°	5566.9	5551.8	5566.9	5556.9	5556.9	5546.7	5496.2	5486.1	5491.1	5506.3	5491.1
10°	5566.9	5551.8	5566.9	5562.0	5556.9	5546.7	5496.2	5476.0	5476.0	5491.1	5476.0
12.5°	5541.7	5531.6	5541.7	5531.6	5531.6	5521.4	5470.9	5450.7	5455.7	5460.8	5440.6
15°	5501.2	5486.1	5501.2	5491.1	5496.2	5481.0	5425.4	5405.2	5405.2	5415.3	5379.9
17.5°	5440.6	5420.3	5440.6	5435.5	5430.5	5420.3	5369.7	5349.5	5344.5	5349.5	5324.3
20°	5369.7	5354.6	5369.7	5364.8	5364.8	5344.5	5293.9	5268.6	5268.6	5268.6	5243.3
22.5°	5258.6	5243.3	5258.6	5268.6	5268.6	5263.6	5218.0	5182.7	5172.6	5172.6	5142.2
25°	5132.1	5117.0	5132.1	5132.1	5127.1	5132.1	5117.0	5096.7	5081.6	5066.5	5036.1
27.5°	5010.8	5000.7	5010.8	5000.7	5010.8	4995.6	4990.6	4985.5	4965.3	4950.1	4909.7
30°	4889.5	4879.3	4889.5	4879.3	4869.2	4859.1	4833.8	4823.7	4843.9	4833.8	4768.1
32.5°	4737.8	4727.6	4737.8	4737.8	4727.6	4727.6	4687.2	4672.0	4677.1	4707.4	4646.7
35°	4581.0	4565.9	4581.0	4575.9	4581.0	4565.9	4540.6	4535.5	4515.3	4550.6	4505.1
37.5°	4398.9	4383.8	4398.9	4398.9	4398.9	4409.1	4388.9	4373.7	4343.4	4388.9	4353.5
40°	4211.9	4191.7	4211.9	4206.8	4211.9	4222.0	4211.9	4201.8	4171.4	4206.8	4176.5
42.5°	3999.5	3994.5	3999.5	4004.6	4004.6	4024.8	4040.0	4019.8	4009.6	3984.4	4004.6
45°	3772.0	3761.9	3772.0	3782.1	3787.2	3797.2	3842.8	3842.8	3827.6	3787.2	3817.5
47.5°	3529.3	3504.0	3529.3	3559.6	3559.6	3574.8	3620.3	3655.7	3630.4	3579.8	3595.1
50°	3271.5	3276.4	3271.5	3291.7	3291.7	3347.3	3382.6	3418.1	3443.4	3382.6	3311.9
52.5°	3018.6	3013.6	3018.6	3033.8	3054.0	3079.2	3140.0	3175.3	3215.8	3180.4	3069.2
55°	2765.8	2776.0	2765.8	2770.9	2780.9	2796.2	2887.1	2922.6	2998.4	2952.8	2836.6
57.5°	2513.0	2497.8	2513.0	2523.1	2528.1	2543.3	2619.2	2684.9	2730.4	2735.4	2593.9
60°	2219.7	2199.5	2219.7	2265.2	2275.4	2285.4	2356.2	2416.9	2457.3	2472.6	2325.9
62.5°	1961.8	1926.5	1961.8	1992.2	2012.4	2037.7	2088.2	2179.2	2214.6	2219.7	2012.4
65°	1688.8	1673.7	1688.8	1749.5	1754.6	1784.8	1840.5	1906.2	1982.0	1972.0	1673.7
67.5°	1441.0	1441.0	1441.0	1481.5	1511.8	1527.0	1597.8	1628.2	1724.2	1734.3	1395.5
70°	1213.5	1208.4	1213.5	1243.8	1264.0	1299.5	1365.2	1400.6	1476.5	1501.7	1132.7
72.5°	996.1	991.0	996.1	1021.4	1041.6	1071.9	1127.6	1168.0	1233.7	1264.0	879.8
75°	804.0	793.8	804.0	824.2	819.1	859.5	905.1	945.5	1006.2	1026.4	652.3
77.5°	616.8	616.8	616.8	637.1	637.1	677.6	697.8	748.3	783.8	814.0	480.4
80°	460.2	455.1	460.2	465.1	465.1	485.5	520.8	556.2	586.5	586.5	328.7
82.5°	323.6	313.4	323.6	323.6	323.6	333.8	354.0	364.0	384.3	399.5	207.3
85°	202.3	202.3	202.3	207.3	202.3	212.3	217.4	227.5	227.5	217.4	126.4
87.5°	131.5	126.4	131.5	126.4	126.4	121.3	121.3	121.3	116.3	111.3	70.8
90°	58.8	58.8	58.8	58.8	58.8	78.4	104.5	117.5	101.0	68.0	43.3
92.5°	235.5	188.7	235.5	282.3	293.9	416.6	580.3	662.1	581.4	419.8	298.6
95°	820.8	679.2	820.8	962.4	997.9	1310.3	1727.0	1935.3	1634.5	1032.9	581.7
97.5°	1966.6	1697.1	1966.6	2236.1	2303.5	2501.1	2764.4	2896.1	2394.5	1391.3	638.9
100°	2833.5	2512.4	2833.5	3154.6	3234.9	3220.5	3201.2	3191.6	2635.0	1521.8	686.9
102.5°	3686.3	3411.3	3686.3	3961.4	4030.1	3778.4	3442.9	3275.1	2710.6	1581.6	734.8
105°	4773.5	4625.7	4773.5	4921.3	4958.3	4394.2	3641.9	3265.8	2719.2	1626.0	806.1
107.5°	5485.7	5521.4	5485.7	5449.9	5440.9	4654.0	3604.8	3080.2	2598.3	1634.2	911.2
110°	5757.3	5911.3	5757.3	5603.3	5564.8	4685.0	3512.0	2925.5	2490.9	1621.8	970.0



TEST NUMBER: P935777

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5781.5	6018.0	5781.5	5545.0	5485.9	4585.5	3385.0	2784.7	2397.3	1622.3	1041.1
115°	5628.2	5956.2	5628.2	5300.2	5218.2	4350.8	3194.4	2616.1	2289.8	1637.3	1147.9
117.5°	5303.1	5666.8	5303.1	4939.4	4848.4	4065.7	3022.0	2500.1	2222.6	1667.7	1251.6
120°	5041.2	5394.5	5041.2	4687.8	4599.4	3884.2	2930.5	2453.6	2200.0	1692.5	1311.9
122.5°	4786.1	5134.7	4786.1	4437.5	4350.3	3706.2	2847.5	2418.1	2188.1	1728.1	1383.0
125°	4422.1	4743.3	4422.1	4101.0	4020.8	3473.6	2744.1	2379.3	2178.3	1776.1	1474.4
127.5°	4094.9	4365.8	4094.9	3823.9	3756.2	3286.4	2660.0	2346.9	2172.6	1824.0	1562.5
130°	3902.0	4152.3	3902.0	3651.7	3589.2	3171.0	2613.3	2334.5	2176.1	1859.0	1621.3
132.5°	3727.0	3951.1	3727.0	3502.9	3446.9	3072.5	2573.3	2323.7	2178.3	1887.4	1669.3
135°	3487.2	3680.4	3487.2	3294.1	3245.8	2932.2	2514.2	2305.1	2176.3	1918.4	1725.0
137.5°	3294.9	3453.0	3294.9	3136.7	3097.2	2832.1	2478.7	2302.1	2189.6	1964.7	1796.1
140°	3162.9	3310.7	3162.9	3015.0	2978.0	2749.1	2443.8	2291.2	2191.8	1993.1	1844.1
142.5°	3053.5	3180.7	3053.5	2926.3	2894.6	2693.5	2425.3	2291.2	2199.8	2016.8	1879.7
145°	2889.5	2985.8	2889.5	2793.3	2769.2	2604.7	2385.4	2275.8	2199.8	2047.8	1933.8
147.5°	2763.7	2843.5	2763.7	2683.9	2664.0	2534.6	2362.0	2275.8	2214.9	2093.2	2001.9
150°	2684.5	2749.2	2684.5	2619.8	2603.6	2494.4	2348.7	2275.8	2222.8	2116.9	2037.5
152.5°	2616.8	2665.6	2616.8	2568.0	2555.7	2462.4	2338.0	2275.8	2228.0	2132.4	2060.7
155°	2538.9	2571.2	2538.9	2506.5	2498.5	2424.3	2325.3	2275.8	2239.3	2166.4	2111.7
157.5°	2477.4	2500.1	2477.4	2454.6	2449.0	2391.2	2314.2	2275.8	2250.7	2200.5	2162.8
160°	2440.6	2453.6	2440.6	2427.6	2424.3	2374.8	2308.7	2275.8	2255.8	2215.9	2186.0
162.5°	2416.5	2428.8	2416.5	2404.1	2401.1	2359.3	2303.6	2275.8	2261.3	2232.4	2210.7
165°	2381.7	2394.9	2381.7	2368.7	2365.4	2335.5	2295.7	2275.8	2269.2	2256.1	2246.3
167.5°	2356.8	2362.3	2356.8	2351.4	2350.0	2330.3	2304.2	2291.2	2285.7	2274.7	2266.4
170°	2350.0	2350.0	2350.0	2350.0	2350.0	2330.3	2304.2	2291.2	2290.8	2290.1	2289.6
172.5°	2331.5	2326.8	2331.5	2336.4	2337.6	2322.2	2301.6	2291.2	2291.2	2291.2	2291.2
175°	2320.6	2320.6	2320.6	2320.6	2320.6	2310.8	2297.8	2291.2	2294.3	2300.5	2305.1
177.5°	2310.6	2305.1	2310.6	2316.1	2317.5	2309.7	2299.5	2294.3	2296.7	2301.6	2305.1
180°	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5420.3	5390.1	5390.1	5339.5	5319.2	5304.1	5278.8	5202.9	5182.7	5162.5	5192.8
5°	5465.8	5410.3	5369.7	5278.8	5202.9	5172.6	5076.5	4894.4	4773.1	4682.1	4631.6
7.5°	5476.0	5405.2	5329.3	5187.8	5005.7	4924.8	4631.6	4297.8	4206.8	4125.9	4075.3
10°	5465.8	5385.0	5278.8	5066.5	4636.6	4495.0	4201.8	3984.4	3928.7	3913.6	3928.7
12.5°	5430.5	5354.6	5208.0	4854.0	4252.3	4156.3	3984.4	3857.9	3847.8	3873.1	4009.6
15°	5369.7	5299.0	5127.1	4570.8	4040.0	3969.2	3847.8	3802.3	3857.9	4034.9	4444.5
17.5°	5309.1	5228.2	5015.9	4292.8	3878.2	3827.6	3741.7	3832.7	4146.1	4383.8	4520.3
20°	5228.2	5132.1	4889.5	4090.6	3761.9	3716.4	3675.9	4085.5	4323.1	4409.1	4484.9
22.5°	5132.1	5031.0	4717.6	3948.9	3640.6	3605.1	3630.4	4227.0	4323.1	4383.8	4449.5
25°	5005.7	4919.7	4515.3	3837.7	3544.5	3504.0	3600.0	4211.9	4267.5	4282.7	4414.2
27.5°	4889.5	4778.2	4302.9	3736.6	3428.1	3413.0	3625.3	4146.1	4186.6	4201.8	4343.4
30°	4747.8	4581.0	4065.3	3630.4	3306.8	3301.7	3630.4	4065.3	4055.1	4095.6	4237.2
32.5°	4601.2	4287.8	3797.2	3498.9	3190.5	3185.5	3595.1	3943.9	3933.8	3989.4	4095.6
35°	4464.7	4060.2	3433.2	3347.3	3043.9	3049.0	3509.1	3802.3	3807.4	3857.9	3923.6
37.5°	4323.1	3863.0	3033.8	3180.4	2902.3	2902.3	3392.8	3670.9	3660.8	3675.9	3767.0
40°	4156.3	3554.5	2679.8	2963.0	2770.9	2755.6	3251.2	3529.3	3493.9	3488.9	3615.3
42.5°	3979.3	3215.8	2416.9	2674.8	2619.2	2599.0	3079.2	3357.4	3291.7	3306.8	3468.6
45°	3787.2	3124.8	2214.6	2260.1	2462.4	2447.3	2892.2	3160.2	3114.7	3155.1	3322.0
47.5°	3595.1	2942.8	2149.0	1875.9	2295.6	2290.5	2684.9	2968.1	2942.8	2983.2	3160.2
50°	3332.1	2740.5	2143.9	1607.9	2108.4	2128.7	2437.1	2780.9	2780.9	2816.4	3003.4
52.5°	2993.3	2492.8	1946.7	1456.3	1891.0	1951.8	2219.7	2619.2	2629.2	2664.7	2831.5
55°	2684.9	2234.9	1805.1	1339.9	1633.1	1764.6	2007.3	2452.3	2472.6	2507.9	2659.6
57.5°	2401.8	1860.7	1774.8	1203.4	1395.5	1522.0	1820.3	2290.5	2300.7	2330.9	2477.6
60°	2098.4	1345.0	1628.2	1056.8	1188.2	1284.3	1648.4	2098.4	2133.7	2153.9	2280.3
62.5°	1754.6	975.9	1476.5	955.7	1087.1	1107.4	1506.7	1916.3	1961.8	1977.0	2052.9
65°	1248.9	819.1	1254.0	869.7	981.0	985.9	1355.1	1729.3	1769.7	1795.0	1850.6
67.5°	844.4	667.4	955.7	788.7	900.0	905.1	1208.4	1511.8	1567.4	1587.7	1623.1
70°	586.5	444.9	707.9	702.8	809.1	819.1	1051.7	1314.6	1365.2	1380.4	1400.6
72.5°	429.8	359.0	586.5	632.1	712.9	723.1	889.9	1092.1	1142.7	1157.8	1168.0
75°	328.7	379.2	475.3	551.1	606.8	611.8	728.1	889.9	925.3	935.4	940.4
77.5°	262.9	354.0	348.9	444.9	495.5	485.5	571.4	687.6	718.0	718.0	718.0
80°	197.2	278.1	262.9	318.5	364.0	354.0	409.6	490.4	500.6	510.6	505.7
82.5°	146.6	177.0	177.0	202.3	242.7	232.6	273.0	318.5	318.5	318.5	328.7
85°	91.0	101.1	80.9	106.2	136.6	131.5	151.7	171.9	177.0	177.0	166.8
87.5°	55.6	45.5	25.3	40.4	60.7	60.7	70.8	75.8	70.8	70.8	70.8
90°	40.2	27.8	15.4	27.8	40.2	43.3	68.0	101.0	117.5	104.5	78.4
92.5°	272.3	167.0	61.9	167.0	272.3	298.6	419.8	581.4	662.1	580.3	416.6
95°	533.6	341.0	148.5	341.0	533.6	581.7	1032.9	1634.5	1935.3	1727.0	1310.3
97.5°	596.5	426.6	256.8	426.6	596.5	638.9	1391.3	2394.5	2896.1	2764.4	2501.1
100°	648.4	494.4	340.3	494.4	648.4	686.9	1521.8	2635.0	3191.6	3201.2	3220.5
102.5°	698.9	555.3	411.5	555.3	698.9	734.8	1581.6	2710.6	3275.1	3442.9	3778.4
105°	775.6	653.9	532.2	653.9	775.6	806.1	1626.0	2719.2	3265.8	3641.9	4394.2
107.5°	882.9	769.4	656.0	769.4	882.9	911.2	1634.2	2598.3	3080.2	3604.8	4654.0
110°	944.4	841.9	739.5	841.9	944.4	970.0	1621.8	2490.9	2925.5	3512.0	4685.0



TEST NUMBER: P935777

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	1016.7	919.1	821.5	919.1	1016.7	1041.1	1622.3	2397.3	2784.7	3385.0	4585.5
115°	1125.4	1035.2	945.2	1035.2	1125.4	1147.9	1637.3	2289.8	2616.1	3194.4	4350.8
117.5°	1231.2	1149.3	1067.5	1149.3	1231.2	1251.6	1667.7	2222.6	2500.1	3022.0	4065.7
120°	1292.7	1215.6	1138.6	1215.6	1292.7	1311.9	1692.5	2200.0	2453.6	2930.5	3884.2
122.5°	1363.6	1285.9	1208.2	1285.9	1363.6	1383.0	1728.1	2188.1	2418.1	2847.5	3706.2
125°	1456.6	1385.8	1315.0	1385.8	1456.6	1474.4	1776.1	2178.3	2379.3	2744.1	3473.6
127.5°	1544.7	1473.2	1401.7	1473.2	1544.7	1562.5	1824.0	2172.6	2346.9	2660.0	3286.4
130°	1602.1	1525.1	1448.1	1525.1	1602.1	1621.3	1859.0	2176.1	2334.5	2613.3	3171.0
132.5°	1650.1	1573.0	1496.0	1573.0	1650.1	1669.3	1887.4	2178.3	2323.7	2573.3	3072.5
135°	1707.4	1637.3	1567.2	1637.3	1707.4	1725.0	1918.4	2176.3	2305.1	2514.2	2932.2
137.5°	1778.8	1709.3	1639.9	1709.3	1778.8	1796.1	1964.7	2189.6	2302.1	2478.7	2832.1
140°	1828.1	1764.1	1700.2	1764.1	1828.1	1844.1	1993.1	2191.8	2291.2	2443.8	2749.1
142.5°	1864.9	1805.7	1746.6	1805.7	1864.9	1879.7	2016.8	2199.8	2291.2	2425.3	2693.5
145°	1921.0	1869.4	1817.8	1869.4	1921.0	1933.8	2047.8	2199.8	2275.8	2385.4	2604.7
147.5°	1989.3	1939.1	1888.9	1939.1	1989.3	2001.9	2093.2	2214.9	2275.8	2362.0	2534.6
150°	2026.2	1980.7	1935.3	1980.7	2026.2	2037.5	2116.9	2222.8	2275.8	2348.7	2494.4
152.5°	2052.2	2017.7	1983.3	2017.7	2052.2	2060.7	2132.4	2228.0	2275.8	2338.0	2462.4
155°	2105.3	2079.9	2054.4	2079.9	2105.3	2111.7	2166.4	2239.3	2275.8	2325.3	2424.3
157.5°	2156.6	2131.8	2107.1	2131.8	2156.6	2162.8	2200.5	2250.7	2275.8	2314.2	2391.2
160°	2181.2	2161.9	2142.7	2161.9	2181.2	2186.0	2215.9	2255.8	2275.8	2308.7	2374.8
162.5°	2207.1	2192.7	2178.3	2192.7	2207.1	2210.7	2232.4	2261.3	2275.8	2303.6	2359.3
165°	2243.0	2229.9	2216.9	2229.9	2243.0	2246.3	2256.1	2269.2	2275.8	2295.7	2335.5
167.5°	2264.9	2258.7	2252.6	2258.7	2264.9	2266.4	2274.7	2285.7	2291.2	2304.2	2330.3
170°	2288.1	2281.9	2275.8	2281.9	2288.1	2289.6	2290.1	2290.8	2291.2	2304.2	2330.3
172.5°	2290.9	2289.5	2288.1	2289.5	2290.9	2291.2	2291.2	2291.2	2291.2	2301.6	2322.2
175°	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2300.5	2294.3	2291.2	2297.8	2310.8
177.5°	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2301.6	2296.7	2294.3	2299.5	2309.7
180°	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1



TEST NUMBER: P935777

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5157.4	5142.2	5162.5	5106.9	5162.5	5142.2	5157.4	5192.8	5162.5	5182.7	5202.9
5°	4525.4	4500.1	4419.2	4353.5	4419.2	4500.1	4525.4	4631.6	4682.1	4773.1	4894.4
7.5°	4045.1	4024.8	4004.6	3964.2	4004.6	4024.8	4045.1	4075.3	4125.9	4206.8	4297.8
10°	3938.9	3943.9	3974.2	3969.2	3974.2	3943.9	3938.9	3928.7	3913.6	3928.7	3984.4
12.5°	4211.9	4257.4	4424.2	4414.2	4424.2	4257.4	4211.9	4009.6	3873.1	3847.8	3857.9
15°	4525.4	4540.6	4575.9	4581.0	4575.9	4540.6	4525.4	4444.5	4034.9	3857.9	3802.3
17.5°	4555.7	4560.8	4586.1	4586.1	4586.1	4560.8	4555.7	4520.3	4383.8	4146.1	3832.7
20°	4530.4	4540.6	4591.2	4601.2	4591.2	4540.6	4530.4	4484.9	4409.1	4323.1	4085.5
22.5°	4520.3	4540.6	4581.0	4575.9	4581.0	4540.6	4520.3	4449.5	4383.8	4323.1	4227.0
25°	4469.7	4469.7	4474.8	4479.9	4474.8	4469.7	4469.7	4414.2	4282.7	4267.5	4211.9
27.5°	4363.6	4373.7	4404.0	4398.9	4404.0	4373.7	4363.6	4343.4	4201.8	4186.6	4146.1
30°	4267.5	4257.4	4232.1	4211.9	4232.1	4257.4	4267.5	4237.2	4095.6	4055.1	4065.3
32.5°	4105.7	4080.4	4055.1	4040.0	4055.1	4080.4	4105.7	4095.6	3989.4	3933.8	3943.9
35°	3913.6	3918.7	3913.6	3898.4	3913.6	3918.7	3913.6	3923.6	3857.9	3807.4	3802.3
37.5°	3777.0	3787.2	3782.1	3761.9	3782.1	3787.2	3777.0	3767.0	3675.9	3660.8	3670.9
40°	3635.5	3640.6	3635.5	3620.3	3635.5	3640.6	3635.5	3615.3	3488.9	3493.9	3529.3
42.5°	3498.9	3493.9	3478.7	3468.6	3478.7	3493.9	3498.9	3468.6	3306.8	3291.7	3357.4
45°	3342.2	3347.3	3316.9	3301.7	3316.9	3347.3	3342.2	3322.0	3155.1	3114.7	3160.2
47.5°	3185.5	3185.5	3160.2	3145.0	3160.2	3185.5	3185.5	3160.2	2983.2	2942.8	2968.1
50°	3018.6	3013.6	2978.1	2973.1	2978.1	3013.6	3018.6	3003.4	2816.4	2780.9	2780.9
52.5°	2826.4	2826.4	2831.5	2841.6	2831.5	2826.4	2826.4	2831.5	2664.7	2629.2	2619.2
55°	2659.6	2664.7	2700.1	2710.2	2700.1	2664.7	2659.6	2659.6	2507.9	2472.6	2452.3
57.5°	2487.7	2487.7	2513.0	2513.0	2513.0	2487.7	2487.7	2477.6	2330.9	2300.7	2290.5
60°	2290.5	2300.7	2320.9	2315.8	2320.9	2300.7	2290.5	2280.3	2153.9	2133.7	2098.4
62.5°	2083.2	2093.3	2098.4	2088.2	2098.4	2093.3	2083.2	2052.9	1977.0	1961.8	1916.3
65°	1865.8	1875.9	1880.9	1870.8	1880.9	1875.9	1865.8	1850.6	1795.0	1769.7	1729.3
67.5°	1643.3	1638.2	1633.1	1653.4	1633.1	1638.2	1643.3	1623.1	1587.7	1567.4	1511.8
70°	1415.7	1415.7	1410.7	1420.8	1410.7	1415.7	1415.7	1400.6	1380.4	1365.2	1314.6
72.5°	1173.1	1168.0	1188.2	1173.1	1188.2	1168.0	1173.1	1168.0	1157.8	1142.7	1092.1
75°	935.4	945.5	935.4	950.6	935.4	945.5	935.4	940.4	935.4	925.3	889.9
77.5°	712.9	723.1	712.9	712.9	712.9	723.1	712.9	718.0	718.0	718.0	687.6
80°	505.7	500.6	500.6	495.5	500.6	500.6	505.7	505.7	510.6	500.6	490.4
82.5°	323.6	318.5	318.5	328.7	318.5	318.5	323.6	328.7	318.5	318.5	318.5
85°	177.0	182.1	171.9	171.9	171.9	182.1	177.0	166.8	177.0	177.0	171.9
87.5°	65.7	60.7	60.7	60.7	60.7	60.7	65.7	70.8	70.8	70.8	75.8
90°	58.8	58.8	58.8	58.8	58.8	58.8	58.8	78.4	104.5	117.5	101.0
92.5°	293.9	282.3	235.5	188.7	235.5	282.3	293.9	416.6	580.3	662.1	581.4
95°	997.9	962.4	820.8	679.2	820.8	962.4	997.9	1310.3	1727.0	1935.3	1634.5
97.5°	2303.5	2236.1	1966.6	1697.1	1966.6	2236.1	2303.5	2501.1	2764.4	2896.1	2394.5
100°	3234.9	3154.6	2833.5	2512.4	2833.5	3154.6	3234.9	3220.5	3201.2	3191.6	2635.0
102.5°	4030.1	3961.4	3686.3	3411.3	3686.3	3961.4	4030.1	3778.4	3442.9	3275.1	2710.6
105°	4958.3	4921.3	4773.5	4625.7	4773.5	4921.3	4958.3	4394.2	3641.9	3265.8	2719.2
107.5°	5440.9	5449.9	5485.7	5521.4	5485.7	5449.9	5440.9	4654.0	3604.8	3080.2	2598.3
110°	5564.8	5603.3	5757.3	5911.3	5757.3	5603.3	5564.8	4685.0	3512.0	2925.5	2490.9



TEST NUMBER: P935777

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	5485.9	5545.0	5781.5	6018.0	5781.5	5545.0	5485.9	4585.5	3385.0	2784.7	2397.3
115°	5218.2	5300.2	5628.2	5956.2	5628.2	5300.2	5218.2	4350.8	3194.4	2616.1	2289.8
117.5°	4848.4	4939.4	5303.1	5666.8	5303.1	4939.4	4848.4	4065.7	3022.0	2500.1	2222.6
120°	4599.4	4687.8	5041.2	5394.5	5041.2	4687.8	4599.4	3884.2	2930.5	2453.6	2200.0
122.5°	4350.3	4437.5	4786.1	5134.7	4786.1	4437.5	4350.3	3706.2	2847.5	2418.1	2188.1
125°	4020.8	4101.0	4422.1	4743.3	4422.1	4101.0	4020.8	3473.6	2744.1	2379.3	2178.3
127.5°	3756.2	3823.9	4094.9	4365.8	4094.9	3823.9	3756.2	3286.4	2660.0	2346.9	2172.6
130°	3589.2	3651.7	3902.0	4152.3	3902.0	3651.7	3589.2	3171.0	2613.3	2334.5	2176.1
132.5°	3446.9	3502.9	3727.0	3951.1	3727.0	3502.9	3446.9	3072.5	2573.3	2323.7	2178.3
135°	3245.8	3294.1	3487.2	3680.4	3487.2	3294.1	3245.8	2932.2	2514.2	2305.1	2176.3
137.5°	3097.2	3136.7	3294.9	3453.0	3294.9	3136.7	3097.2	2832.1	2478.7	2302.1	2189.6
140°	2978.0	3015.0	3162.9	3310.7	3162.9	3015.0	2978.0	2749.1	2443.8	2291.2	2191.8
142.5°	2894.6	2926.3	3053.5	3180.7	3053.5	2926.3	2894.6	2693.5	2425.3	2291.2	2199.8
145°	2769.2	2793.3	2889.5	2985.8	2889.5	2793.3	2769.2	2604.7	2385.4	2275.8	2199.8
147.5°	2664.0	2683.9	2763.7	2843.5	2763.7	2683.9	2664.0	2534.6	2362.0	2275.8	2214.9
150°	2603.6	2619.8	2684.5	2749.2	2684.5	2619.8	2603.6	2494.4	2348.7	2275.8	2222.8
152.5°	2555.7	2568.0	2616.8	2665.6	2616.8	2568.0	2555.7	2462.4	2338.0	2275.8	2228.0
155°	2498.5	2506.5	2538.9	2571.2	2538.9	2506.5	2498.5	2424.3	2325.3	2275.8	2239.3
157.5°	2449.0	2454.6	2477.4	2500.1	2477.4	2454.6	2449.0	2391.2	2314.2	2275.8	2250.7
160°	2424.3	2427.6	2440.6	2453.6	2440.6	2427.6	2424.3	2374.8	2308.7	2275.8	2255.8
162.5°	2401.1	2404.1	2416.5	2428.8	2416.5	2404.1	2401.1	2359.3	2303.6	2275.8	2261.3
165°	2365.4	2368.7	2381.7	2394.9	2381.7	2368.7	2365.4	2335.5	2295.7	2275.8	2269.2
167.5°	2350.0	2351.4	2356.8	2362.3	2356.8	2351.4	2350.0	2330.3	2304.2	2291.2	2285.7
170°	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2350.0	2330.3	2304.2	2291.2	2290.8
172.5°	2337.6	2336.4	2331.5	2326.8	2331.5	2336.4	2337.6	2322.2	2301.6	2291.2	2291.2
175°	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2320.6	2310.8	2297.8	2291.2	2294.3
177.5°	2317.5	2316.1	2310.6	2305.1	2310.6	2316.1	2317.5	2309.7	2299.5	2294.3	2296.7
180°	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1	2305.1



TEST NUMBER: P935777

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	5344.5	5344.5	5344.5	5344.5	5344.5
2.5°	5278.8	5304.1	5319.2	5339.5	5390.1
5°	5076.5	5172.6	5202.9	5278.8	5369.7
7.5°	4631.6	4924.8	5005.7	5187.8	5329.3
10°	4201.8	4495.0	4636.6	5066.5	5278.8
12.5°	3984.4	4156.3	4252.3	4854.0	5208.0
15°	3847.8	3969.2	4040.0	4570.8	5127.1
17.5°	3741.7	3827.6	3878.2	4292.8	5015.9
20°	3675.9	3716.4	3761.9	4090.6	4889.5
22.5°	3630.4	3605.1	3640.6	3948.9	4717.6
25°	3600.0	3504.0	3544.5	3837.7	4515.3
27.5°	3625.3	3413.0	3428.1	3736.6	4302.9
30°	3630.4	3301.7	3306.8	3630.4	4065.3
32.5°	3595.1	3185.5	3190.5	3498.9	3797.2
35°	3509.1	3049.0	3043.9	3347.3	3433.2
37.5°	3392.8	2902.3	2902.3	3180.4	3033.8
40°	3251.2	2755.6	2770.9	2963.0	2679.8
42.5°	3079.2	2599.0	2619.2	2674.8	2416.9
45°	2892.2	2447.3	2462.4	2260.1	2214.6
47.5°	2684.9	2290.5	2295.6	1875.9	2149.0
50°	2437.1	2128.7	2108.4	1607.9	2143.9
52.5°	2219.7	1951.8	1891.0	1456.3	1946.7
55°	2007.3	1764.6	1633.1	1339.9	1805.1
57.5°	1820.3	1522.0	1395.5	1203.4	1774.8
60°	1648.4	1284.3	1188.2	1056.8	1628.2
62.5°	1506.7	1107.4	1087.1	955.7	1476.5
65°	1355.1	985.9	981.0	869.7	1254.0
67.5°	1208.4	905.1	900.0	788.7	955.7
70°	1051.7	819.1	809.1	702.8	707.9
72.5°	889.9	723.1	712.9	632.1	586.5
75°	728.1	611.8	606.8	551.1	475.3
77.5°	571.4	485.5	495.5	444.9	348.9
80°	409.6	354.0	364.0	318.5	262.9
82.5°	273.0	232.6	242.7	202.3	177.0
85°	151.7	131.5	136.6	106.2	80.9
87.5°	70.8	60.7	60.7	40.4	25.3
90°	68.0	43.3	40.2	27.8	15.4
92.5°	419.8	298.6	272.3	167.0	61.9
95°	1032.9	581.7	533.6	341.0	148.5
97.5°	1391.3	638.9	596.5	426.6	256.8
100°	1521.8	686.9	648.4	494.4	340.3
102.5°	1581.6	734.8	698.9	555.3	411.5
105°	1626.0	806.1	775.6	653.9	532.2
107.5°	1634.2	911.2	882.9	769.4	656.0
110°	1621.8	970.0	944.4	841.9	739.5



TEST NUMBER: P935777

CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-2700K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1622.3	1041.1	1016.7	919.1	821.5
115°	1637.3	1147.9	1125.4	1035.2	945.2
117.5°	1667.7	1251.6	1231.2	1149.3	1067.5
120°	1692.5	1311.9	1292.7	1215.6	1138.6
122.5°	1728.1	1383.0	1363.6	1285.9	1208.2
125°	1776.1	1474.4	1456.6	1385.8	1315.0
127.5°	1824.0	1562.5	1544.7	1473.2	1401.7
130°	1859.0	1621.3	1602.1	1525.1	1448.1
132.5°	1887.4	1669.3	1650.1	1573.0	1496.0
135°	1918.4	1725.0	1707.4	1637.3	1567.2
137.5°	1964.7	1796.1	1778.8	1709.3	1639.9
140°	1993.1	1844.1	1828.1	1764.1	1700.2
142.5°	2016.8	1879.7	1864.9	1805.7	1746.6
145°	2047.8	1933.8	1921.0	1869.4	1817.8
147.5°	2093.2	2001.9	1989.3	1939.1	1888.9
150°	2116.9	2037.5	2026.2	1980.7	1935.3
152.5°	2132.4	2060.7	2052.2	2017.7	1983.3
155°	2166.4	2111.7	2105.3	2079.9	2054.4
157.5°	2200.5	2162.8	2156.6	2131.8	2107.1
160°	2215.9	2186.0	2181.2	2161.9	2142.7
162.5°	2232.4	2210.7	2207.1	2192.7	2178.3
165°	2256.1	2246.3	2243.0	2229.9	2216.9
167.5°	2274.7	2266.4	2264.9	2258.7	2252.6
170°	2290.1	2289.6	2288.1	2281.9	2275.8
172.5°	2291.2	2291.2	2290.9	2289.5	2288.1
175°	2300.5	2305.1	2305.1	2305.1	2305.1
177.5°	2301.6	2305.1	2305.1	2305.1	2305.1
180°	2305.1	2305.1	2305.1	2305.1	2305.1



TEST NUMBER: P935777
 CATALOG NUMBER: SQ4-FA-125U-125D-B2750-1D-UNV-STD-W-12-2700K

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	14.38	15.23	15.36	16.21	17.51	17.23	18.08	18.21	19.07	20.36
	3H	14.86	15.62	15.84	16.61	17.93	18.59	19.34	19.57	20.34	21.66
	4H	15.05	15.77	16.05	16.76	18.09	19.03	19.75	20.03	20.75	22.08
	6H	15.17	15.83	16.17	16.83	18.17	19.32	19.98	20.33	20.99	22.33
	8H	15.17	15.80	16.18	16.82	18.15	19.40	20.03	20.41	21.05	22.38
	12H	15.14	15.73	16.16	16.75	18.11	19.44	20.04	20.46	21.05	22.41
4H	2H	15.42	16.13	16.42	17.13	18.46	17.64	18.36	18.64	19.36	20.68
	3H	16.44	17.04	17.46	18.07	19.41	19.15	19.75	20.16	20.78	22.12
	4H	16.72	17.27	17.74	18.29	19.65	19.68	20.23	20.70	21.25	22.61
	6H	16.84	17.31	17.87	18.36	19.72	20.05	20.52	21.08	21.57	22.93
	8H	16.85	17.29	17.88	18.32	19.70	20.16	20.60	21.19	21.64	23.01
	12H	16.81	17.21	17.87	18.26	19.64	20.22	20.62	21.27	21.67	23.05
8H	4H	17.18	17.61	18.21	18.65	20.03	19.81	20.24	20.84	21.28	22.66
	6H	17.44	17.80	18.49	18.88	20.25	20.25	20.61	21.30	21.69	23.06
	8H	17.48	17.80	18.54	18.86	20.25	20.40	20.72	21.47	21.78	23.18
	12H	17.46	17.74	18.53	18.80	20.24	20.50	20.78	21.57	21.84	23.28
12H	4H	17.18	17.58	18.23	18.63	20.01	19.77	20.17	20.82	21.22	22.60
	6H	17.50	17.82	18.56	18.88	20.27	20.24	20.56	21.31	21.63	23.02
	8H	17.56	17.84	18.63	18.90	20.34	20.41	20.69	21.48	21.75	23.18