

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: P935725

Luminaire Tested: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-12-2700K

Issue Date: 12/17/2024

**Test Information**

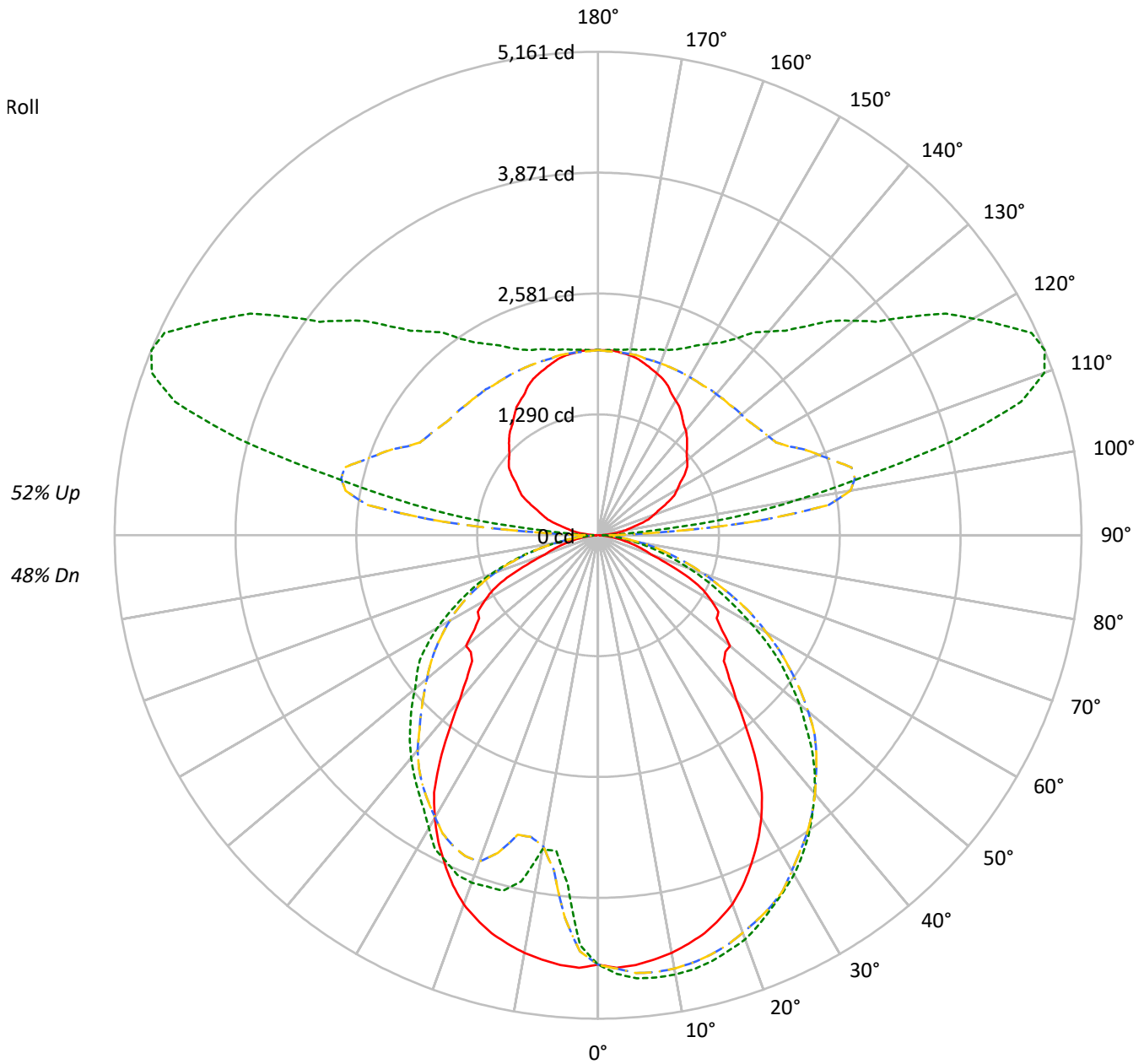
Test Method: LM-79-2019  
Report Number: P935725  
REPORT IS A COMBINATION OF REPORTS P933765 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-12-2700K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24705.7 lumens  
Efficiency: N/A  
Efficacy: 109.5 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-12-2700K

### 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	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°	14177	14177	14177	14177
5°	14287	14310	14287	11252
10°	14197	14096	14197	10078
15°	14048	13791	14048	11516
20°	13760	13429	13760	11540
25°	13164	12901	13164	11295
30°	12392	12463	12392	10758
35°	11053	11909	11053	10168
40°	9215	11257	9215	9722
45°	8239	10493	8239	9210
50°	8760	9582	8760	8695
55°	8249	8601	8249	8398
60°	8514	7305	8514	7691
65°	7732	6039	7732	6750
70°	5367	4812	5367	5658
75°	4724	3557	4724	4260
80°	3835	2352	3835	2561
85°	2249	1246	2249	1059

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 12619 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	413.7	1.7
10°-20°	1174.7	4.8
20°-30°	1815.8	7.3
30°-40°	2167.7	8.8
40°-50°	2180.4	8.8
50°-60°	1897.2	7.7
60°-70°	1345.1	5.4
70°-80°	711.7	2.9
80°-90°	184.8	0.7
90°-100°	963.6	3.9
100°-110°	2533.3	10.3
110°-120°	2626.8	10.6
120°-130°	2107.0	8.5
130°-140°	1653.2	6.7
140°-150°	1268.9	5.1
150°-160°	913.8	3.7
160°-170°	559.1	2.3
170°-180°	188.9	0.8
0°-30°	3404.2	13.8
0°-40°	5571.9	22.6
0°-60°	9649.4	39.1
0°-90°	11891.0	48.1
90°-120°	6123.6	24.8
90°-150°	11152.7	45.1
90°-180°	12815.0	51.9
0°-180°	24705.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4583	4583	4583	4583	4583	
5°	4605	4748	4605	3733	4605	437
15°	4397	4705	4397	3928	4397	1237
25°	3872	4388	3872	3842	3872	1778
35°	2944	3916	2944	3343	2944	1821
45°	1899	3226	1899	2831	1899	1521
55°	1548	2380	1548	2324	1548	1422
65°	1075	1435	1075	1604	1075	1028
75°	408	681	408	815	408	429
85°	69	174	69	147	69	94
90°	13	50	13	50	13	14
95°	127	582	127	582	127	141
105°	456	3967	456	3967	456	484
115°	811	5108	811	5108	811	801
125°	1128	4068	1128	4068	1128	1001
135°	1344	3156	1344	3156	1344	1040
145°	1559	2560	1559	2560	1559	977
155°	1762	2205	1762	2205	1762	810
165°	1901	2054	1901	2054	1901	537
175°	1977	1990	1977	1990	1977	188
180°	1977	1977	1977	1977	1977	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4622.3	4622.3	4648.2	4657.0	4657.0	4643.9	4630.9	4643.9	4682.9	4696.0	4691.6
5°	4604.9	4639.6	4687.3	4696.0	4704.6	4700.3	4691.6	4700.3	4743.7	4752.4	4756.6
7.5°	4570.2	4635.3	4696.0	4709.0	4722.0	4709.0	4704.6	4713.3	4756.6	4765.4	4765.4
10°	4526.9	4617.9	4687.3	4696.0	4709.0	4696.0	4696.0	4713.3	4756.6	4765.4	4769.7
12.5°	4466.1	4591.9	4657.0	4665.6	4682.9	4678.6	4674.3	4691.6	4734.9	4743.7	4743.7
15°	4396.8	4544.2	4604.9	4613.6	4643.9	4635.3	4635.3	4652.6	4700.3	4713.3	4709.0
17.5°	4301.4	4483.5	4552.8	4565.9	4587.5	4583.3	4587.5	4604.9	4648.2	4657.0	4661.2
20°	4193.0	4401.1	4483.5	4496.5	4518.2	4518.2	4518.2	4539.9	4583.3	4600.6	4600.6
22.5°	4045.6	4314.4	4401.1	4409.8	4435.8	4435.8	4444.5	4474.8	4513.8	4518.2	4518.2
25°	3872.1	4219.0	4292.7	4318.7	4344.8	4357.8	4370.7	4388.1	4401.1	4396.8	4401.1
27.5°	3690.0	4097.6	4193.0	4210.3	4245.0	4258.0	4275.3	4279.7	4284.0	4297.0	4288.4
30°	3486.2	3928.5	4071.5	4088.9	4145.3	4154.0	4136.6	4145.3	4166.9	4175.7	4184.3
32.5°	3256.4	3677.0	3945.8	3984.8	4036.9	4010.9	4006.5	4019.5	4054.2	4054.2	4062.9
35°	2944.2	3481.9	3828.7	3863.4	3902.4	3872.1	3889.4	3893.8	3915.5	3928.5	3924.1
37.5°	2601.7	3312.7	3707.3	3733.4	3763.7	3724.7	3750.7	3763.7	3781.1	3772.3	3772.3
40°	2298.1	3048.2	3564.3	3581.6	3607.6	3577.3	3603.3	3611.9	3620.6	3611.9	3607.6
42.5°	2072.6	2757.7	3412.5	3434.2	3416.9	3438.5	3447.2	3464.5	3451.5	3434.2	3434.2
45°	1899.2	2679.7	3247.7	3273.7	3247.7	3282.4	3295.4	3295.4	3256.4	3247.7	3243.4
47.5°	1842.9	2523.6	3083.0	3083.0	3069.9	3113.3	3135.0	3104.6	3065.6	3052.6	3052.6
50°	1838.5	2350.1	2857.5	2840.1	2900.8	2952.9	2931.2	2900.8	2870.5	2822.8	2822.8
52.5°	1669.4	2137.7	2566.9	2632.0	2727.4	2757.7	2723.0	2692.7	2640.6	2619.0	2601.7
55°	1547.9	1916.6	2302.5	2432.6	2532.2	2571.3	2506.3	2475.9	2397.9	2384.8	2376.2
57.5°	1522.0	1595.7	2059.6	2224.4	2345.8	2341.5	2302.5	2246.1	2181.0	2168.0	2163.7
60°	1396.2	1153.4	1799.5	1994.6	2120.4	2107.3	2072.6	2020.6	1959.9	1951.3	1942.5
62.5°	1266.2	836.9	1504.6	1725.8	1903.5	1899.2	1868.8	1790.8	1747.5	1725.8	1708.4
65°	1075.3	702.4	1071.0	1435.3	1691.1	1699.7	1634.7	1578.3	1530.6	1504.6	1500.3
67.5°	819.5	572.4	724.1	1196.7	1487.3	1478.6	1396.2	1370.2	1309.5	1296.5	1270.4
70°	607.0	381.5	503.0	971.3	1287.8	1266.2	1201.1	1170.8	1114.4	1084.0	1066.6
72.5°	503.0	307.8	368.6	754.5	1084.0	1058.0	1001.6	967.0	919.2	893.2	875.9
75°	407.6	325.2	281.9	559.4	880.2	862.8	810.8	776.1	737.1	702.4	706.8
77.5°	299.2	303.6	225.5	411.9	698.1	672.1	641.7	598.4	581.1	546.4	546.4
80°	225.5	238.5	169.1	281.9	503.0	503.0	476.9	446.6	416.3	398.9	398.9
82.5°	151.8	151.8	125.7	177.7	342.6	329.5	312.2	303.6	286.2	277.5	277.5
85°	69.4	86.7	78.1	108.4	186.5	195.1	195.1	186.5	182.1	173.5	177.7
87.5°	21.7	39.0	47.7	60.7	95.4	99.8	104.0	104.0	104.0	108.4	108.4
90°	13.2	23.8	34.5	37.2	58.3	86.6	100.8	89.6	67.2	50.4	50.4
92.5°	53.0	143.2	233.5	256.1	360.0	498.6	567.8	497.6	357.3	252.1	242.1
95°	127.4	292.5	457.6	498.8	885.7	1401.7	1659.7	1481.0	1123.7	855.8	825.3
97.5°	220.2	365.8	511.5	547.9	1193.1	2053.4	2483.5	2370.6	2144.8	1975.4	1917.6
100°	291.9	424.0	556.0	589.1	1305.0	2259.7	2737.0	2745.3	2761.7	2774.1	2705.3
102.5°	352.9	476.2	599.3	630.2	1356.4	2324.5	2808.6	2952.5	3240.2	3456.1	3397.1
105°	456.4	560.7	665.1	691.2	1394.4	2331.9	2800.6	3123.1	3768.2	4252.0	4220.3
107.5°	562.5	659.8	757.1	781.4	1401.5	2228.2	2641.5	3091.3	3991.1	4665.9	4673.6
110°	634.2	722.0	809.9	831.8	1390.8	2136.1	2508.7	3011.7	4017.6	4772.1	4805.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	704.5	788.2	871.9	892.8	1391.2	2055.8	2388.1	2902.8	3932.3	4704.5	4755.2
115°	810.6	887.8	965.1	984.4	1404.1	1963.6	2243.5	2739.4	3731.1	4474.9	4545.2
117.5°	915.5	985.6	1055.8	1073.3	1430.2	1906.0	2143.9	2591.5	3486.6	4157.8	4235.8
120°	976.4	1042.5	1108.6	1125.1	1451.4	1886.6	2104.1	2513.1	3330.9	3944.3	4020.0
122.5°	1036.1	1102.8	1169.4	1186.0	1481.9	1876.4	2073.7	2441.9	3178.3	3730.7	3805.4
125°	1127.7	1188.4	1249.2	1264.4	1523.1	1868.0	2040.4	2353.2	2978.9	3448.0	3516.9
127.5°	1202.0	1263.3	1324.7	1340.0	1564.2	1863.1	2012.6	2281.1	2818.3	3221.2	3279.3
130°	1241.8	1307.8	1373.9	1390.3	1594.2	1866.1	2002.0	2241.1	2719.3	3077.9	3131.6
132.5°	1282.9	1348.9	1415.0	1431.5	1618.6	1868.0	1992.7	2206.7	2634.8	2955.9	3004.0
135°	1344.0	1404.1	1464.2	1479.3	1645.1	1866.3	1976.8	2156.1	2514.6	2783.4	2824.9
137.5°	1406.3	1465.9	1525.4	1540.2	1684.9	1877.7	1974.1	2125.7	2428.7	2656.0	2689.9
140°	1458.0	1512.8	1567.7	1581.4	1709.2	1879.6	1964.8	2095.7	2357.5	2553.8	2585.5
142.5°	1497.8	1548.5	1599.3	1611.9	1729.5	1886.4	1964.8	2079.8	2309.8	2482.3	2509.5
145°	1558.9	1603.1	1647.4	1658.4	1756.1	1886.4	1951.6	2045.6	2233.7	2374.7	2395.4
147.5°	1619.9	1662.9	1705.9	1716.7	1795.0	1899.4	1951.6	2025.6	2173.6	2284.5	2301.6
150°	1659.7	1698.6	1737.6	1747.3	1815.4	1906.2	1951.6	2014.1	2139.1	2232.8	2246.6
152.5°	1700.8	1730.3	1759.8	1767.2	1828.7	1910.6	1951.6	2005.0	2111.7	2191.7	2202.2
155°	1761.8	1783.7	1805.5	1810.9	1857.8	1920.3	1951.6	1994.0	2078.9	2142.6	2149.5
157.5°	1807.0	1828.2	1849.4	1854.7	1887.0	1930.1	1951.6	1984.6	2050.6	2100.1	2105.0
160°	1837.5	1854.0	1870.5	1874.6	1900.3	1934.5	1951.6	1979.9	2036.5	2078.9	2081.8
162.5°	1868.0	1880.4	1892.7	1895.8	1914.4	1939.2	1951.6	1975.5	2023.3	2059.0	2061.7
165°	1901.1	1912.3	1923.5	1926.3	1934.8	1946.0	1951.6	1968.7	2002.8	2028.5	2031.3
167.5°	1931.7	1937.0	1942.3	1943.6	1950.7	1960.1	1964.8	1976.0	1998.4	2015.2	2016.4
170°	1951.6	1956.9	1962.2	1963.5	1963.9	1964.5	1964.8	1976.0	1998.4	2015.2	2015.2
172.5°	1962.2	1963.4	1964.6	1964.8	1964.8	1964.8	1964.8	1973.7	1991.4	2004.6	2003.6
175°	1976.8	1976.8	1976.8	1976.8	1972.8	1967.5	1964.8	1970.5	1981.7	1990.0	1990.0
177.5°	1976.8	1976.8	1976.8	1976.8	1973.7	1969.5	1967.5	1971.9	1980.7	1987.4	1986.2
180°	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4700.3	4687.3	4700.3	4691.6	4696.0	4682.9	4643.9	4630.9	4643.9	4657.0	4657.0
5°	4756.6	4748.0	4756.6	4756.6	4752.4	4743.7	4700.3	4691.6	4700.3	4704.6	4696.0
7.5°	4774.0	4761.0	4774.0	4765.4	4765.4	4756.6	4713.3	4704.6	4709.0	4722.0	4709.0
10°	4774.0	4761.0	4774.0	4769.7	4765.4	4756.6	4713.3	4696.0	4696.0	4709.0	4696.0
12.5°	4752.4	4743.7	4752.4	4743.7	4743.7	4734.9	4691.6	4674.3	4678.6	4682.9	4665.6
15°	4717.6	4704.6	4717.6	4709.0	4713.3	4700.3	4652.6	4635.3	4635.3	4643.9	4613.6
17.5°	4665.6	4648.2	4665.6	4661.2	4657.0	4648.2	4604.9	4587.5	4583.3	4587.5	4565.9
20°	4604.9	4591.9	4604.9	4600.6	4600.6	4583.3	4539.9	4518.2	4518.2	4518.2	4496.5
22.5°	4509.5	4496.5	4509.5	4518.2	4518.2	4513.8	4474.8	4444.5	4435.8	4435.8	4409.8
25°	4401.1	4388.1	4401.1	4401.1	4396.8	4401.1	4388.1	4370.7	4357.8	4344.8	4318.7
27.5°	4297.0	4288.4	4297.0	4288.4	4297.0	4284.0	4279.7	4275.3	4258.0	4245.0	4210.3
30°	4193.0	4184.3	4193.0	4184.3	4175.7	4166.9	4145.3	4136.6	4154.0	4145.3	4088.9
32.5°	4062.9	4054.2	4062.9	4062.9	4054.2	4054.2	4019.5	4006.5	4010.9	4036.9	3984.8
35°	3928.5	3915.5	3928.5	3924.1	3928.5	3915.5	3893.8	3889.4	3872.1	3902.4	3863.4
37.5°	3772.3	3759.4	3772.3	3772.3	3772.3	3781.1	3763.7	3750.7	3724.7	3763.7	3733.4
40°	3611.9	3594.6	3611.9	3607.6	3611.9	3620.6	3611.9	3603.3	3577.3	3607.6	3581.6
42.5°	3429.8	3425.5	3429.8	3434.2	3434.2	3451.5	3464.5	3447.2	3438.5	3416.9	3434.2
45°	3234.7	3226.0	3234.7	3243.4	3247.7	3256.4	3295.4	3295.4	3282.4	3247.7	3273.7
47.5°	3026.6	3004.9	3026.6	3052.6	3052.6	3065.6	3104.6	3135.0	3113.3	3069.9	3083.0
50°	2805.5	2809.7	2805.5	2822.8	2822.8	2870.5	2900.8	2931.2	2952.9	2900.8	2840.1
52.5°	2588.6	2584.3	2588.6	2601.7	2619.0	2640.6	2692.7	2723.0	2757.7	2727.4	2632.0
55°	2371.8	2380.5	2371.8	2376.2	2384.8	2397.9	2475.9	2506.3	2571.3	2532.2	2432.6
57.5°	2155.1	2142.0	2155.1	2163.7	2168.0	2181.0	2246.1	2302.5	2341.5	2345.8	2224.4
60°	1903.5	1886.2	1903.5	1942.5	1951.3	1959.9	2020.6	2072.6	2107.3	2120.4	1994.6
62.5°	1682.4	1652.1	1682.4	1708.4	1725.8	1747.5	1790.8	1868.8	1899.2	1903.5	1725.8
65°	1448.3	1435.3	1448.3	1500.3	1504.6	1530.6	1578.3	1634.7	1699.7	1691.1	1435.3
67.5°	1235.8	1235.8	1235.8	1270.4	1296.5	1309.5	1370.2	1396.2	1478.6	1487.3	1196.7
70°	1040.7	1036.3	1040.7	1066.6	1084.0	1114.4	1170.8	1201.1	1266.2	1287.8	971.3
72.5°	854.2	849.9	854.2	875.9	893.2	919.2	967.0	1001.6	1058.0	1084.0	754.5
75°	689.5	680.7	689.5	706.8	702.4	737.1	776.1	810.8	862.8	880.2	559.4
77.5°	529.0	529.0	529.0	546.4	546.4	581.1	598.4	641.7	672.1	698.1	411.9
80°	394.6	390.3	394.6	398.9	398.9	416.3	446.6	476.9	503.0	503.0	281.9
82.5°	277.5	268.8	277.5	277.5	277.5	286.2	303.6	312.2	329.5	342.6	177.7
85°	173.5	173.5	173.5	177.7	173.5	182.1	186.5	195.1	195.1	186.5	108.4
87.5°	112.7	108.4	112.7	108.4	108.4	104.0	104.0	104.0	99.8	95.4	60.7
90°	50.4	50.4	50.4	50.4	50.4	67.2	89.6	100.8	86.6	58.3	37.2
92.5°	201.9	161.9	201.9	242.1	252.1	357.3	497.6	567.8	498.6	360.0	256.1
95°	703.9	582.4	703.9	825.3	855.8	1123.7	1481.0	1659.7	1401.7	885.7	498.8
97.5°	1686.5	1455.3	1686.5	1917.6	1975.4	2144.8	2370.6	2483.5	2053.4	1193.1	547.9
100°	2429.9	2154.5	2429.9	2705.3	2774.1	2761.7	2745.3	2737.0	2259.7	1305.0	589.1
102.5°	3161.2	2925.4	3161.2	3397.1	3456.1	3240.2	2952.5	2808.6	2324.5	1356.4	630.2
105°	4093.6	3966.8	4093.6	4220.3	4252.0	3768.2	3123.1	2800.6	2331.9	1394.4	691.2
107.5°	4704.3	4734.9	4704.3	4673.6	4665.9	3991.1	3091.3	2641.5	2228.2	1401.5	781.4
110°	4937.2	5069.2	4937.2	4805.2	4772.1	4017.6	3011.7	2508.7	2136.1	1390.8	831.8





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	4958.0	5160.8	4958.0	4755.2	4704.5	3932.3	2902.8	2388.1	2055.8	1391.2	892.8
115°	4826.5	5107.8	4826.5	4545.2	4474.9	3731.1	2739.4	2243.5	1963.6	1404.1	984.4
117.5°	4547.7	4859.6	4547.7	4235.8	4157.8	3486.6	2591.5	2143.9	1906.0	1430.2	1073.3
120°	4323.1	4626.1	4323.1	4020.0	3944.3	3330.9	2513.1	2104.1	1886.6	1451.4	1125.1
122.5°	4104.3	4403.3	4104.3	3805.4	3730.7	3178.3	2441.9	2073.7	1876.4	1481.9	1186.0
125°	3792.2	4067.6	3792.2	3516.9	3448.0	2978.9	2353.2	2040.4	1868.0	1523.1	1264.4
127.5°	3511.6	3743.9	3511.6	3279.3	3221.2	2818.3	2281.1	2012.6	1863.1	1564.2	1340.0
130°	3346.2	3560.9	3346.2	3131.6	3077.9	2719.3	2241.1	2002.0	1866.1	1594.2	1390.3
132.5°	3196.1	3388.3	3196.1	3004.0	2955.9	2634.8	2206.7	1992.7	1868.0	1618.6	1431.5
135°	2990.5	3156.2	2990.5	2824.9	2783.4	2514.6	2156.1	1976.8	1866.3	1645.1	1479.3
137.5°	2825.5	2961.2	2825.5	2689.9	2656.0	2428.7	2125.7	1974.1	1877.7	1684.9	1540.2
140°	2712.4	2839.1	2712.4	2585.5	2553.8	2357.5	2095.7	1964.8	1879.6	1709.2	1581.4
142.5°	2618.6	2727.7	2618.6	2509.5	2482.3	2309.8	2079.8	1964.8	1886.4	1729.5	1611.9
145°	2477.9	2560.5	2477.9	2395.4	2374.7	2233.7	2045.6	1951.6	1886.4	1756.1	1658.4
147.5°	2370.0	2438.5	2370.0	2301.6	2284.5	2173.6	2025.6	1951.6	1899.4	1795.0	1716.7
150°	2302.1	2357.6	2302.1	2246.6	2232.8	2139.1	2014.1	1951.6	1906.2	1815.4	1747.3
152.5°	2244.1	2285.9	2244.1	2202.2	2191.7	2111.7	2005.0	1951.6	1910.6	1828.7	1767.2
155°	2177.3	2204.9	2177.3	2149.5	2142.6	2078.9	1994.0	1951.6	1920.3	1857.8	1810.9
157.5°	2124.5	2143.9	2124.5	2105.0	2100.1	2050.6	1984.6	1951.6	1930.1	1887.0	1854.7
160°	2093.0	2104.1	2093.0	2081.8	2078.9	2036.5	1979.9	1951.6	1934.5	1900.3	1874.6
162.5°	2072.3	2082.9	2072.3	2061.7	2059.0	2023.3	1975.5	1951.6	1939.2	1914.4	1895.8
165°	2042.5	2053.8	2042.5	2031.3	2028.5	2002.8	1968.7	1951.6	1946.0	1934.8	1926.3
167.5°	2021.1	2025.8	2021.1	2016.4	2015.2	1998.4	1976.0	1964.8	1960.1	1950.7	1943.6
170°	2015.2	2015.2	2015.2	2015.2	2015.2	1998.4	1976.0	1964.8	1964.5	1963.9	1963.5
172.5°	1999.4	1995.3	1999.4	2003.6	2004.6	1991.4	1973.7	1964.8	1964.8	1964.8	1964.8
175°	1990.0	1990.0	1990.0	1990.0	1990.0	1981.7	1970.5	1964.8	1967.5	1972.8	1976.8
177.5°	1981.5	1976.8	1981.5	1986.2	1987.4	1980.7	1971.9	1967.5	1969.5	1973.7	1976.8
180°	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4648.2	4622.3	4622.3	4578.9	4561.6	4548.6	4526.9	4461.8	4444.5	4427.1	4453.2
5°	4687.3	4639.6	4604.9	4526.9	4461.8	4435.8	4353.4	4197.3	4093.2	4015.2	3971.9
7.5°	4696.0	4635.3	4570.2	4448.8	4292.7	4223.3	3971.9	3685.6	3607.6	3538.2	3494.8
10°	4687.3	4617.9	4526.9	4344.8	3976.1	3854.8	3603.3	3416.9	3369.1	3356.1	3369.1
12.5°	4657.0	4591.9	4466.1	4162.6	3646.6	3564.3	3416.9	3308.4	3299.8	3321.4	3438.5
15°	4604.9	4544.2	4396.8	3919.8	3464.5	3403.8	3299.8	3260.7	3308.4	3460.2	3811.4
17.5°	4552.8	4483.5	4301.4	3681.3	3325.8	3282.4	3208.7	3286.8	3555.6	3759.4	3876.5
20°	4483.5	4401.1	4193.0	3507.9	3226.0	3187.0	3152.3	3503.5	3707.3	3781.1	3846.1
22.5°	4401.1	4314.4	4045.6	3386.4	3122.0	3091.6	3113.3	3624.9	3707.3	3759.4	3815.7
25°	4292.7	4219.0	3872.1	3291.0	3039.6	3004.9	3087.2	3611.9	3659.6	3672.7	3785.4
27.5°	4193.0	4097.6	3690.0	3204.3	2939.8	2926.8	3108.9	3555.6	3590.2	3603.3	3724.7
30°	4071.5	3928.5	3486.2	3113.3	2835.8	2831.4	3113.3	3486.2	3477.5	3512.2	3633.6
32.5°	3945.8	3677.0	3256.4	3000.6	2736.0	2731.8	3083.0	3382.1	3373.5	3421.1	3512.2
35°	3828.7	3481.9	2944.2	2870.5	2610.3	2614.7	3009.3	3260.7	3265.1	3308.4	3364.8
37.5°	3707.3	3312.7	2601.7	2727.4	2488.9	2488.9	2909.5	3148.0	3139.3	3152.3	3230.4
40°	3564.3	3048.2	2298.1	2540.9	2376.2	2363.1	2788.1	3026.6	2996.2	2991.9	3100.3
42.5°	3412.5	2757.7	2072.6	2293.8	2246.1	2228.8	2640.6	2879.2	2822.8	2835.8	2974.5
45°	3247.7	2679.7	1899.2	1938.2	2111.7	2098.7	2480.2	2710.1	2671.0	2705.7	2848.8
47.5°	3083.0	2523.6	1842.9	1608.7	1968.6	1964.2	2302.5	2545.3	2523.6	2558.3	2710.1
50°	2857.5	2350.1	1838.5	1378.9	1808.1	1825.4	2090.0	2384.8	2384.8	2415.2	2575.6
52.5°	2566.9	2137.7	1669.4	1248.8	1621.6	1673.7	1903.5	2246.1	2254.7	2285.1	2428.2
55°	2302.5	1916.6	1547.9	1149.1	1400.5	1513.3	1721.4	2102.9	2120.4	2150.7	2280.8
57.5°	2059.6	1595.7	1522.0	1032.0	1196.7	1305.2	1561.0	1964.2	1973.0	1998.9	2124.6
60°	1799.5	1153.4	1396.2	906.2	1019.0	1101.4	1413.6	1799.5	1829.8	1847.1	1955.5
62.5°	1504.6	836.9	1266.2	819.5	932.3	949.6	1292.1	1643.3	1682.4	1695.4	1760.4
65°	1071.0	702.4	1075.3	745.8	841.2	845.5	1162.0	1482.9	1517.6	1539.3	1587.0
67.5°	724.1	572.4	819.5	676.4	771.8	776.1	1036.3	1296.5	1344.1	1361.6	1391.9
70°	503.0	381.5	607.0	602.7	693.8	702.4	901.9	1127.4	1170.8	1183.7	1201.1
72.5°	368.6	307.8	503.0	542.0	611.4	620.1	763.2	936.6	979.9	992.9	1001.6
75°	281.9	325.2	407.6	472.6	520.3	524.7	624.4	763.2	793.5	802.2	806.5
77.5°	225.5	303.6	299.2	381.5	424.9	416.3	490.0	589.7	615.7	615.7	615.7
80°	169.1	238.5	225.5	273.2	312.2	303.6	351.2	420.6	429.3	437.9	433.6
82.5°	125.7	151.8	151.8	173.5	208.2	199.4	234.1	273.2	273.2	273.2	281.9
85°	78.1	86.7	69.4	91.1	117.1	112.7	130.1	147.4	151.8	151.8	143.1
87.5°	47.7	39.0	21.7	34.7	52.0	52.0	60.7	65.0	60.7	60.7	60.7
90°	34.5	23.8	13.2	23.8	34.5	37.2	58.3	86.6	100.8	89.6	67.2
92.5°	233.5	143.2	53.0	143.2	233.5	256.1	360.0	498.6	567.8	497.6	357.3
95°	457.6	292.5	127.4	292.5	457.6	498.8	885.7	1401.7	1659.7	1481.0	1123.7
97.5°	511.5	365.8	220.2	365.8	511.5	547.9	1193.1	2053.4	2483.5	2370.6	2144.8
100°	556.0	424.0	291.9	424.0	556.0	589.1	1305.0	2259.7	2737.0	2745.3	2761.7
102.5°	599.3	476.2	352.9	476.2	599.3	630.2	1356.4	2324.5	2808.6	2952.5	3240.2
105°	665.1	560.7	456.4	560.7	665.1	691.2	1394.4	2331.9	2800.6	3123.1	3768.2
107.5°	757.1	659.8	562.5	659.8	757.1	781.4	1401.5	2228.2	2641.5	3091.3	3991.1
110°	809.9	722.0	634.2	722.0	809.9	831.8	1390.8	2136.1	2508.7	3011.7	4017.6



TEST NUMBER: P935725

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-12-2700K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	871.9	788.2	704.5	788.2	871.9	892.8	1391.2	2055.8	2388.1	2902.8	3932.3
115°	965.1	887.8	810.6	887.8	965.1	984.4	1404.1	1963.6	2243.5	2739.4	3731.1
117.5°	1055.8	985.6	915.5	985.6	1055.8	1073.3	1430.2	1906.0	2143.9	2591.5	3486.6
120°	1108.6	1042.5	976.4	1042.5	1108.6	1125.1	1451.4	1886.6	2104.1	2513.1	3330.9
122.5°	1169.4	1102.8	1036.1	1102.8	1169.4	1186.0	1481.9	1876.4	2073.7	2441.9	3178.3
125°	1249.2	1188.4	1127.7	1188.4	1249.2	1264.4	1523.1	1868.0	2040.4	2353.2	2978.9
127.5°	1324.7	1263.3	1202.0	1263.3	1324.7	1340.0	1564.2	1863.1	2012.6	2281.1	2818.3
130°	1373.9	1307.8	1241.8	1307.8	1373.9	1390.3	1594.2	1866.1	2002.0	2241.1	2719.3
132.5°	1415.0	1348.9	1282.9	1348.9	1415.0	1431.5	1618.6	1868.0	1992.7	2206.7	2634.8
135°	1464.2	1404.1	1344.0	1404.1	1464.2	1479.3	1645.1	1866.3	1976.8	2156.1	2514.6
137.5°	1525.4	1465.9	1406.3	1465.9	1525.4	1540.2	1684.9	1877.7	1974.1	2125.7	2428.7
140°	1567.7	1512.8	1458.0	1512.8	1567.7	1581.4	1709.2	1879.6	1964.8	2095.7	2357.5
142.5°	1599.3	1548.5	1497.8	1548.5	1599.3	1611.9	1729.5	1886.4	1964.8	2079.8	2309.8
145°	1647.4	1603.1	1558.9	1603.1	1647.4	1658.4	1756.1	1886.4	1951.6	2045.6	2233.7
147.5°	1705.9	1662.9	1619.9	1662.9	1705.9	1716.7	1795.0	1899.4	1951.6	2025.6	2173.6
150°	1737.6	1698.6	1659.7	1698.6	1737.6	1747.3	1815.4	1906.2	1951.6	2014.1	2139.1
152.5°	1759.8	1730.3	1700.8	1730.3	1759.8	1767.2	1828.7	1910.6	1951.6	2005.0	2111.7
155°	1805.5	1783.7	1761.8	1783.7	1805.5	1810.9	1857.8	1920.3	1951.6	1994.0	2078.9
157.5°	1849.4	1828.2	1807.0	1828.2	1849.4	1854.7	1887.0	1930.1	1951.6	1984.6	2050.6
160°	1870.5	1854.0	1837.5	1854.0	1870.5	1874.6	1900.3	1934.5	1951.6	1979.9	2036.5
162.5°	1892.7	1880.4	1868.0	1880.4	1892.7	1895.8	1914.4	1939.2	1951.6	1975.5	2023.3
165°	1923.5	1912.3	1901.1	1912.3	1923.5	1926.3	1934.8	1946.0	1951.6	1968.7	2002.8
167.5°	1942.3	1937.0	1931.7	1937.0	1942.3	1943.6	1950.7	1960.1	1964.8	1976.0	1998.4
170°	1962.2	1956.9	1951.6	1956.9	1962.2	1963.5	1963.9	1964.5	1964.8	1976.0	1998.4
172.5°	1964.6	1963.4	1962.2	1963.4	1964.6	1964.8	1964.8	1964.8	1964.8	1973.7	1991.4
175°	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1972.8	1967.5	1964.8	1970.5	1981.7
177.5°	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1973.7	1969.5	1967.5	1971.9	1980.7
180°	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8



TEST NUMBER: P935725  
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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4422.8	4409.8	4427.1	4379.5	4427.1	4409.8	4422.8	4453.2	4427.1	4444.5	4461.8
5°	3880.8	3859.1	3789.7	3733.4	3789.7	3859.1	3880.8	3971.9	4015.2	4093.2	4197.3
7.5°	3468.9	3451.5	3434.2	3399.5	3434.2	3451.5	3468.9	3494.8	3538.2	3607.6	3685.6
10°	3377.8	3382.1	3408.1	3403.8	3408.1	3382.1	3377.8	3369.1	3356.1	3369.1	3416.9
12.5°	3611.9	3651.0	3794.0	3785.4	3794.0	3651.0	3611.9	3438.5	3321.4	3299.8	3308.4
15°	3880.8	3893.8	3924.1	3928.5	3924.1	3893.8	3880.8	3811.4	3460.2	3308.4	3260.7
17.5°	3906.8	3911.1	3932.8	3932.8	3932.8	3911.1	3906.8	3876.5	3759.4	3555.6	3286.8
20°	3885.1	3893.8	3937.2	3945.8	3937.2	3893.8	3885.1	3846.1	3781.1	3707.3	3503.5
22.5°	3876.5	3893.8	3928.5	3924.1	3928.5	3893.8	3876.5	3815.7	3759.4	3707.3	3624.9
25°	3833.1	3833.1	3837.4	3841.8	3837.4	3833.1	3833.1	3785.4	3672.7	3659.6	3611.9
27.5°	3742.0	3750.7	3776.7	3772.3	3776.7	3750.7	3742.0	3724.7	3603.3	3590.2	3555.6
30°	3659.6	3651.0	3629.3	3611.9	3629.3	3651.0	3659.6	3633.6	3512.2	3477.5	3486.2
32.5°	3520.9	3499.2	3477.5	3464.5	3477.5	3499.2	3520.9	3512.2	3421.1	3373.5	3382.1
35°	3356.1	3360.5	3356.1	3343.1	3356.1	3360.5	3356.1	3364.8	3308.4	3265.1	3260.7
37.5°	3239.0	3247.7	3243.4	3226.0	3243.4	3247.7	3239.0	3230.4	3152.3	3139.3	3148.0
40°	3117.7	3122.0	3117.7	3104.6	3117.7	3122.0	3117.7	3100.3	2991.9	2996.2	3026.6
42.5°	3000.6	2996.2	2983.2	2974.5	2983.2	2996.2	3000.6	2974.5	2835.8	2822.8	2879.2
45°	2866.1	2870.5	2844.4	2831.4	2844.4	2870.5	2866.1	2848.8	2705.7	2671.0	2710.1
47.5°	2731.8	2731.8	2710.1	2697.0	2710.1	2731.8	2731.8	2710.1	2558.3	2523.6	2545.3
50°	2588.6	2584.3	2553.9	2549.6	2553.9	2584.3	2588.6	2575.6	2415.2	2384.8	2384.8
52.5°	2423.8	2423.8	2428.2	2436.8	2428.2	2423.8	2423.8	2428.2	2285.1	2254.7	2246.1
55°	2280.8	2285.1	2315.5	2324.2	2315.5	2285.1	2280.8	2280.8	2150.7	2120.4	2102.9
57.5°	2133.4	2133.4	2155.1	2155.1	2155.1	2133.4	2133.4	2124.6	1998.9	1973.0	1964.2
60°	1964.2	1973.0	1990.3	1985.9	1990.3	1973.0	1964.2	1955.5	1847.1	1829.8	1799.5
62.5°	1786.5	1795.1	1799.5	1790.8	1799.5	1795.1	1786.5	1760.4	1695.4	1682.4	1643.3
65°	1600.0	1608.7	1613.0	1604.3	1613.0	1608.7	1600.0	1587.0	1539.3	1517.6	1482.9
67.5°	1409.2	1404.9	1400.5	1417.9	1400.5	1404.9	1409.2	1391.9	1361.6	1344.1	1296.5
70°	1214.1	1214.1	1209.8	1218.4	1209.8	1214.1	1214.1	1201.1	1183.7	1170.8	1127.4
72.5°	1006.0	1001.6	1019.0	1006.0	1019.0	1001.6	1006.0	1001.6	992.9	979.9	936.6
75°	802.2	810.8	802.2	815.2	802.2	810.8	802.2	806.5	802.2	793.5	763.2
77.5°	611.4	620.1	611.4	611.4	611.4	620.1	611.4	615.7	615.7	615.7	589.7
80°	433.6	429.3	429.3	424.9	429.3	429.3	433.6	433.6	437.9	429.3	420.6
82.5°	277.5	273.2	273.2	281.9	273.2	273.2	277.5	281.9	273.2	273.2	273.2
85°	151.8	156.1	147.4	147.4	147.4	156.1	151.8	143.1	151.8	151.8	147.4
87.5°	56.4	52.0	52.0	52.0	52.0	52.0	56.4	60.7	60.7	60.7	65.0
90°	50.4	50.4	50.4	50.4	50.4	50.4	50.4	67.2	89.6	100.8	86.6
92.5°	252.1	242.1	201.9	161.9	201.9	242.1	252.1	357.3	497.6	567.8	498.6
95°	855.8	825.3	703.9	582.4	703.9	825.3	855.8	1123.7	1481.0	1659.7	1401.7
97.5°	1975.4	1917.6	1686.5	1455.3	1686.5	1917.6	1975.4	2144.8	2370.6	2483.5	2053.4
100°	2774.1	2705.3	2429.9	2154.5	2429.9	2705.3	2774.1	2761.7	2745.3	2737.0	2259.7
102.5°	3456.1	3397.1	3161.2	2925.4	3161.2	3397.1	3456.1	3240.2	2952.5	2808.6	2324.5
105°	4252.0	4220.3	4093.6	3966.8	4093.6	4220.3	4252.0	3768.2	3123.1	2800.6	2331.9
107.5°	4665.9	4673.6	4704.3	4734.9	4704.3	4673.6	4665.9	3991.1	3091.3	2641.5	2228.2
110°	4772.1	4805.2	4937.2	5069.2	4937.2	4805.2	4772.1	4017.6	3011.7	2508.7	2136.1



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4704.5	4755.2	4958.0	5160.8	4958.0	4755.2	4704.5	3932.3	2902.8	2388.1	2055.8
115°	4474.9	4545.2	4826.5	5107.8	4826.5	4545.2	4474.9	3731.1	2739.4	2243.5	1963.6
117.5°	4157.8	4235.8	4547.7	4859.6	4547.7	4235.8	4157.8	3486.6	2591.5	2143.9	1906.0
120°	3944.3	4020.0	4323.1	4626.1	4323.1	4020.0	3944.3	3330.9	2513.1	2104.1	1886.6
122.5°	3730.7	3805.4	4104.3	4403.3	4104.3	3805.4	3730.7	3178.3	2441.9	2073.7	1876.4
125°	3448.0	3516.9	3792.2	4067.6	3792.2	3516.9	3448.0	2978.9	2353.2	2040.4	1868.0
127.5°	3221.2	3279.3	3511.6	3743.9	3511.6	3279.3	3221.2	2818.3	2281.1	2012.6	1863.1
130°	3077.9	3131.6	3346.2	3560.9	3346.2	3131.6	3077.9	2719.3	2241.1	2002.0	1866.1
132.5°	2955.9	3004.0	3196.1	3388.3	3196.1	3004.0	2955.9	2634.8	2206.7	1992.7	1868.0
135°	2783.4	2824.9	2990.5	3156.2	2990.5	2824.9	2783.4	2514.6	2156.1	1976.8	1866.3
137.5°	2656.0	2689.9	2825.5	2961.2	2825.5	2689.9	2656.0	2428.7	2125.7	1974.1	1877.7
140°	2553.8	2585.5	2712.4	2839.1	2712.4	2585.5	2553.8	2357.5	2095.7	1964.8	1879.6
142.5°	2482.3	2509.5	2618.6	2727.7	2618.6	2509.5	2482.3	2309.8	2079.8	1964.8	1886.4
145°	2374.7	2395.4	2477.9	2560.5	2477.9	2395.4	2374.7	2233.7	2045.6	1951.6	1886.4
147.5°	2284.5	2301.6	2370.0	2438.5	2370.0	2301.6	2284.5	2173.6	2025.6	1951.6	1899.4
150°	2232.8	2246.6	2302.1	2357.6	2302.1	2246.6	2232.8	2139.1	2014.1	1951.6	1906.2
152.5°	2191.7	2202.2	2244.1	2285.9	2244.1	2202.2	2191.7	2111.7	2005.0	1951.6	1910.6
155°	2142.6	2149.5	2177.3	2204.9	2177.3	2149.5	2142.6	2078.9	1994.0	1951.6	1920.3
157.5°	2100.1	2105.0	2124.5	2143.9	2124.5	2105.0	2100.1	2050.6	1984.6	1951.6	1930.1
160°	2078.9	2081.8	2093.0	2104.1	2093.0	2081.8	2078.9	2036.5	1979.9	1951.6	1934.5
162.5°	2059.0	2061.7	2072.3	2082.9	2072.3	2061.7	2059.0	2023.3	1975.5	1951.6	1939.2
165°	2028.5	2031.3	2042.5	2053.8	2042.5	2031.3	2028.5	2002.8	1968.7	1951.6	1946.0
167.5°	2015.2	2016.4	2021.1	2025.8	2021.1	2016.4	2015.2	1998.4	1976.0	1964.8	1960.1
170°	2015.2	2015.2	2015.2	2015.2	2015.2	2015.2	2015.2	1998.4	1976.0	1964.8	1964.5
172.5°	2004.6	2003.6	1999.4	1995.3	1999.4	2003.6	2004.6	1991.4	1973.7	1964.8	1964.8
175°	1990.0	1990.0	1990.0	1990.0	1990.0	1990.0	1990.0	1981.7	1970.5	1964.8	1967.5
177.5°	1987.4	1986.2	1981.5	1976.8	1981.5	1986.2	1987.4	1980.7	1971.9	1967.5	1969.5
180°	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8	1976.8



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4583.3	4583.3	4583.3	4583.3	4583.3
2.5°	4526.9	4548.6	4561.6	4578.9	4622.3
5°	4353.4	4435.8	4461.8	4526.9	4604.9
7.5°	3971.9	4223.3	4292.7	4448.8	4570.2
10°	3603.3	3854.8	3976.1	4344.8	4526.9
12.5°	3416.9	3564.3	3646.6	4162.6	4466.1
15°	3299.8	3403.8	3464.5	3919.8	4396.8
17.5°	3208.7	3282.4	3325.8	3681.3	4301.4
20°	3152.3	3187.0	3226.0	3507.9	4193.0
22.5°	3113.3	3091.6	3122.0	3386.4	4045.6
25°	3087.2	3004.9	3039.6	3291.0	3872.1
27.5°	3108.9	2926.8	2939.8	3204.3	3690.0
30°	3113.3	2831.4	2835.8	3113.3	3486.2
32.5°	3083.0	2731.8	2736.0	3000.6	3256.4
35°	3009.3	2614.7	2610.3	2870.5	2944.2
37.5°	2909.5	2488.9	2488.9	2727.4	2601.7
40°	2788.1	2363.1	2376.2	2540.9	2298.1
42.5°	2640.6	2228.8	2246.1	2293.8	2072.6
45°	2480.2	2098.7	2111.7	1938.2	1899.2
47.5°	2302.5	1964.2	1968.6	1608.7	1842.9
50°	2090.0	1825.4	1808.1	1378.9	1838.5
52.5°	1903.5	1673.7	1621.6	1248.8	1669.4
55°	1721.4	1513.3	1400.5	1149.1	1547.9
57.5°	1561.0	1305.2	1196.7	1032.0	1522.0
60°	1413.6	1101.4	1019.0	906.2	1396.2
62.5°	1292.1	949.6	932.3	819.5	1266.2
65°	1162.0	845.5	841.2	745.8	1075.3
67.5°	1036.3	776.1	771.8	676.4	819.5
70°	901.9	702.4	693.8	602.7	607.0
72.5°	763.2	620.1	611.4	542.0	503.0
75°	624.4	524.7	520.3	472.6	407.6
77.5°	490.0	416.3	424.9	381.5	299.2
80°	351.2	303.6	312.2	273.2	225.5
82.5°	234.1	199.4	208.2	173.5	151.8
85°	130.1	112.7	117.1	91.1	69.4
87.5°	60.7	52.0	52.0	34.7	21.7
90°	58.3	37.2	34.5	23.8	13.2
92.5°	360.0	256.1	233.5	143.2	53.0
95°	885.7	498.8	457.6	292.5	127.4
97.5°	1193.1	547.9	511.5	365.8	220.2
100°	1305.0	589.1	556.0	424.0	291.9
102.5°	1356.4	630.2	599.3	476.2	352.9
105°	1394.4	691.2	665.1	560.7	456.4
107.5°	1401.5	781.4	757.1	659.8	562.5
110°	1390.8	831.8	809.9	722.0	634.2



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1391.2	892.8	871.9	788.2	704.5
115°	1404.1	984.4	965.1	887.8	810.6
117.5°	1430.2	1073.3	1055.8	985.6	915.5
120°	1451.4	1125.1	1108.6	1042.5	976.4
122.5°	1481.9	1186.0	1169.4	1102.8	1036.1
125°	1523.1	1264.4	1249.2	1188.4	1127.7
127.5°	1564.2	1340.0	1324.7	1263.3	1202.0
130°	1594.2	1390.3	1373.9	1307.8	1241.8
132.5°	1618.6	1431.5	1415.0	1348.9	1282.9
135°	1645.1	1479.3	1464.2	1404.1	1344.0
137.5°	1684.9	1540.2	1525.4	1465.9	1406.3
140°	1709.2	1581.4	1567.7	1512.8	1458.0
142.5°	1729.5	1611.9	1599.3	1548.5	1497.8
145°	1756.1	1658.4	1647.4	1603.1	1558.9
147.5°	1795.0	1716.7	1705.9	1662.9	1619.9
150°	1815.4	1747.3	1737.6	1698.6	1659.7
152.5°	1828.7	1767.2	1759.8	1730.3	1700.8
155°	1857.8	1810.9	1805.5	1783.7	1761.8
157.5°	1887.0	1854.7	1849.4	1828.2	1807.0
160°	1900.3	1874.6	1870.5	1854.0	1837.5
162.5°	1914.4	1895.8	1892.7	1880.4	1868.0
165°	1934.8	1926.3	1923.5	1912.3	1901.1
167.5°	1950.7	1943.6	1942.3	1937.0	1931.7
170°	1963.9	1963.5	1962.2	1956.9	1951.6
172.5°	1964.8	1964.8	1964.6	1963.4	1962.2
175°	1972.8	1976.8	1976.8	1976.8	1976.8
177.5°	1973.7	1976.8	1976.8	1976.8	1976.8
180°	1976.8	1976.8	1976.8	1976.8	1976.8



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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.85	14.69	14.82	15.68	16.98	16.70	17.54	17.67	18.53	19.83
	3H	14.32	15.08	15.31	16.08	17.40	18.05	18.81	19.04	19.80	21.12
	4H	14.51	15.23	15.51	16.23	17.56	18.50	19.22	19.50	20.22	21.54
	6H	14.63	15.29	15.64	16.30	17.64	18.79	19.45	19.80	20.45	21.79
	8H	14.63	15.26	15.65	16.28	17.62	18.87	19.49	19.88	20.51	21.85
	12H	14.60	15.20	15.62	16.22	17.58	18.91	19.50	19.93	20.52	21.88
4H	2H	14.88	15.60	15.89	16.60	17.93	17.11	17.82	18.11	18.82	20.15
	3H	15.91	16.51	16.92	17.54	18.88	18.62	19.21	19.63	20.24	21.58
	4H	16.19	16.73	17.21	17.75	19.12	19.15	19.69	20.17	20.72	22.08
	6H	16.31	16.78	17.34	17.82	19.18	19.52	19.99	20.55	21.03	22.39
	8H	16.31	16.75	17.35	17.79	19.17	19.63	20.07	20.66	21.10	22.48
	12H	16.28	16.68	17.33	17.73	19.11	19.69	20.08	20.74	21.14	22.52
8H	4H	16.64	17.08	17.67	18.12	19.49	19.27	19.71	20.30	20.75	22.12
	6H	16.90	17.26	17.96	18.34	19.72	19.71	20.08	20.77	21.15	22.53
	8H	16.94	17.26	18.01	18.33	19.72	19.87	20.19	20.93	21.25	22.64
	12H	16.93	17.21	18.00	18.27	19.70	19.97	20.25	21.04	21.31	22.74
12H	4H	16.65	17.04	17.70	18.10	19.48	19.24	19.63	20.29	20.68	22.06
	6H	16.96	17.28	18.03	18.35	19.74	19.71	20.03	20.77	21.09	22.49
	8H	17.03	17.31	18.10	18.37	19.80	19.87	20.15	20.94	21.21	22.65