

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: P935726

Luminaire Tested: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

**Test Information**

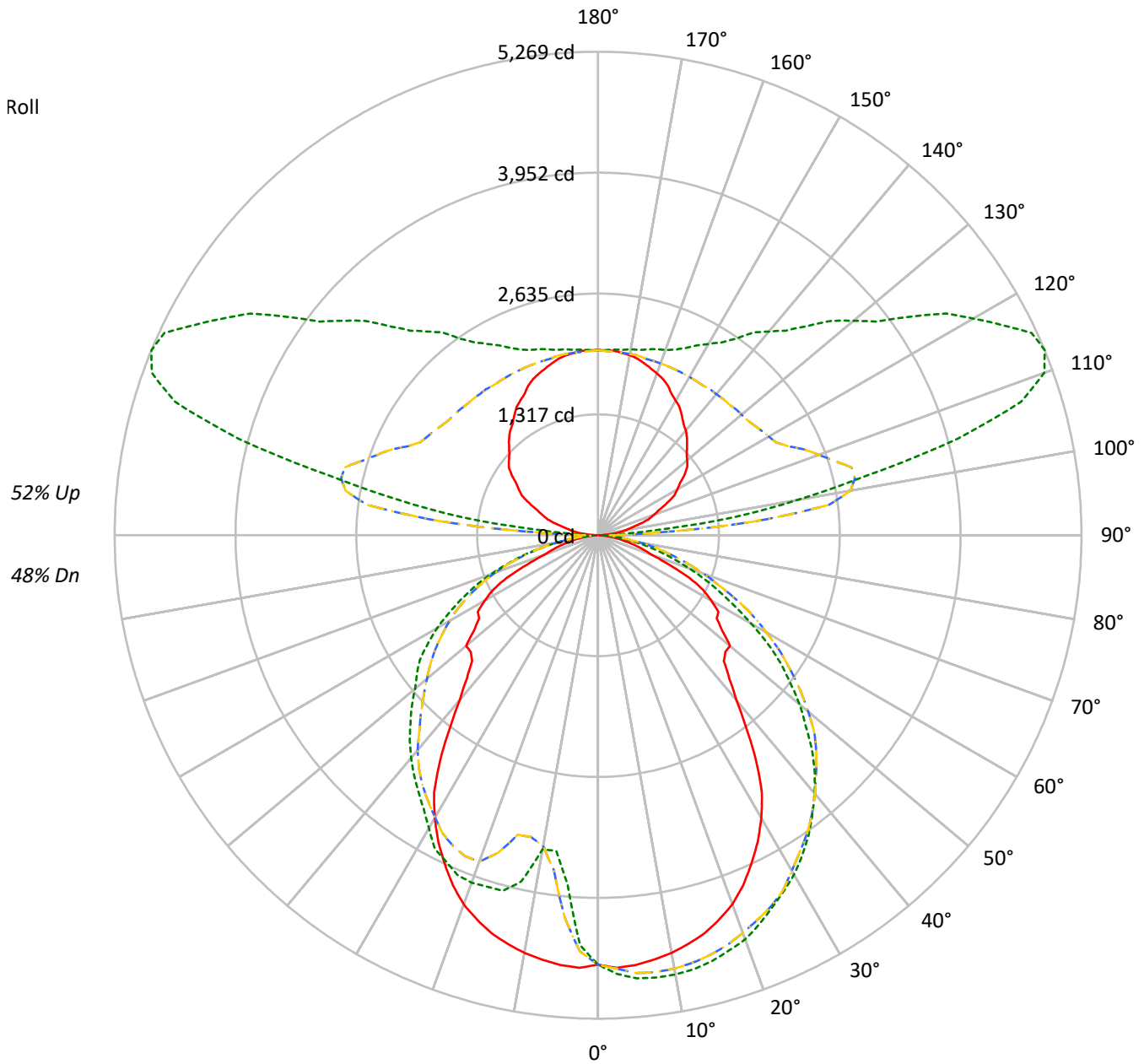
Test Method: LM-79-2019  
Report Number: P935726  
REPORT IS A COMBINATION OF REPORTS P933765 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-12-3000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25223.6 lumens  
Efficiency: N/A  
Efficacy: 111.8 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 225.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### 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°	14473	14473	14473	14473
5°	14587	14610	14587	11488
10°	14495	14392	14495	10289
15°	14343	14080	14343	11757
20°	14048	13711	14048	11781
25°	13440	13172	13440	11532
30°	12651	12725	12651	10984
35°	11284	12159	11284	10381
40°	9408	11493	9408	9926
45°	8412	10713	8412	9403
50°	8944	9783	8944	8877
55°	8422	8782	8422	8574
60°	8693	7458	8693	7853
65°	7894	6166	7894	6891
70°	5480	4913	5480	5777
75°	4823	3632	4823	4349
80°	3915	2401	3915	2614
85°	2294	1272	2294	1081

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 12884 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	422.4	1.7
10°-20°	1199.3	4.8
20°-30°	1853.9	7.3
30°-40°	2213.1	8.8
40°-50°	2226.1	8.8
50°-60°	1937.0	7.7
60°-70°	1373.3	5.4
70°-80°	726.6	2.9
80°-90°	188.7	0.7
90°-100°	983.8	3.9
100°-110°	2586.4	10.3
110°-120°	2681.8	10.6
120°-130°	2151.1	8.5
130°-140°	1687.9	6.7
140°-150°	1295.5	5.1
150°-160°	933.0	3.7
160°-170°	570.9	2.3
170°-180°	192.9	0.8
0°-30°	3475.5	13.8
0°-40°	5688.7	22.6
0°-60°	9851.7	39.1
0°-90°	12140.3	48.1
90°-120°	6252.0	24.8
90°-150°	11386.5	45.1
90°-180°	13083.0	51.9
0°-180°	25223.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4679	4679	4679	4679	4679	
5°	4701	4848	4701	3812	4701	446
15°	4489	4803	4489	4011	4489	1263
25°	3953	4480	3953	3922	3953	1815
35°	3006	3998	3006	3413	3006	1860
45°	1939	3294	1939	2891	1939	1553
55°	1580	2430	1580	2373	1580	1452
65°	1098	1465	1098	1638	1098	1049
75°	416	695	416	832	416	438
85°	71	177	71	150	71	96
90°	14	52	14	52	14	14
95°	130	595	130	595	130	144
105°	466	4050	466	4050	466	494
115°	828	5215	828	5215	828	817
125°	1151	4153	1151	4153	1151	1022
135°	1372	3222	1372	3222	1372	1062
145°	1592	2614	1592	2614	1592	997
155°	1799	2251	1799	2251	1799	826
165°	1941	2097	1941	2097	1941	548
175°	2018	2032	2018	2032	2018	192
180°	2018	2018	2018	2018	2018	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4719.2	4719.2	4745.7	4754.6	4754.6	4741.2	4728.0	4741.2	4781.1	4794.4	4790.0
5°	4701.4	4736.9	4785.5	4794.4	4803.3	4798.8	4790.0	4798.8	4843.1	4852.0	4856.4
7.5°	4666.0	4732.4	4794.4	4807.7	4821.0	4807.7	4803.3	4812.1	4856.4	4865.3	4865.3
10°	4621.8	4714.7	4785.5	4794.4	4807.7	4794.4	4794.4	4812.1	4856.4	4865.3	4869.7
12.5°	4559.8	4688.1	4754.6	4763.4	4781.1	4776.7	4772.3	4790.0	4834.2	4843.1	4843.1
15°	4489.0	4639.5	4701.4	4710.3	4741.2	4732.4	4732.4	4750.1	4798.8	4812.1	4807.7
17.5°	4391.6	4577.5	4648.3	4661.6	4683.7	4679.3	4683.7	4701.4	4745.7	4754.6	4759.0
20°	4280.9	4493.3	4577.5	4590.7	4612.9	4612.9	4612.9	4635.0	4679.3	4697.0	4697.0
22.5°	4130.4	4404.8	4493.3	4502.2	4528.8	4528.8	4537.6	4568.6	4608.4	4612.9	4612.9
25°	3953.3	4307.4	4382.7	4409.3	4435.9	4449.1	4462.4	4480.1	4493.3	4489.0	4493.3
27.5°	3767.4	4183.5	4280.9	4298.6	4334.0	4347.3	4365.0	4369.4	4373.9	4387.1	4378.3
30°	3559.3	4010.8	4156.9	4174.6	4232.2	4241.1	4223.3	4232.2	4254.3	4263.2	4272.0
32.5°	3324.6	3754.1	4028.5	4068.4	4121.5	4095.0	4090.5	4103.8	4139.2	4139.2	4148.1
35°	3005.9	3554.8	3909.0	3944.4	3984.2	3953.3	3971.0	3975.4	3997.6	4010.8	4006.4
37.5°	2656.2	3382.2	3785.1	3811.7	3842.6	3802.8	3829.4	3842.6	3860.3	3851.4	3851.4
40°	2346.3	3112.1	3639.0	3656.7	3683.2	3652.3	3678.8	3687.7	3696.6	3687.7	3683.2
42.5°	2116.1	2815.5	3484.0	3506.2	3488.5	3510.5	3519.4	3537.1	3523.9	3506.2	3506.2
45°	1939.0	2735.8	3315.8	3342.3	3315.8	3351.2	3364.5	3364.5	3324.6	3315.8	3311.4
47.5°	1881.5	2576.5	3147.6	3147.6	3134.3	3178.6	3200.7	3169.7	3129.9	3116.6	3116.6
50°	1877.1	2399.4	2917.4	2899.7	2961.6	3014.8	2992.6	2961.6	2930.6	2882.0	2882.0
52.5°	1704.4	2182.5	2620.7	2687.2	2784.6	2815.5	2780.1	2749.2	2696.0	2673.9	2656.2
55°	1580.4	1956.8	2350.7	2483.6	2585.3	2625.2	2558.8	2527.8	2448.1	2434.8	2426.0
57.5°	1553.9	1629.1	2102.8	2271.0	2395.0	2390.6	2350.7	2293.2	2226.7	2213.5	2209.0
60°	1425.5	1177.6	1837.2	2036.4	2164.8	2151.5	2116.1	2063.0	2001.0	1992.2	1983.3
62.5°	1292.7	854.4	1536.2	1761.9	1943.4	1939.0	1908.0	1828.3	1784.1	1761.9	1744.2
65°	1097.9	717.2	1093.4	1465.4	1726.5	1735.3	1669.0	1611.4	1562.7	1536.2	1531.7
67.5°	836.7	584.3	739.3	1221.8	1518.5	1509.6	1425.5	1398.9	1336.9	1323.7	1297.1
70°	619.8	389.5	513.5	991.7	1314.8	1292.7	1226.3	1195.3	1137.7	1106.7	1089.0
72.5°	513.5	314.3	376.3	770.3	1106.7	1080.2	1022.6	987.2	938.5	912.0	894.3
75°	416.1	332.0	287.8	571.1	898.6	880.9	827.8	792.4	752.6	717.2	721.6
77.5°	305.5	309.9	230.2	420.6	712.7	686.2	655.2	610.9	593.2	557.8	557.8
80°	230.2	243.5	172.7	287.8	513.5	513.5	486.9	456.0	425.0	407.2	407.2
82.5°	155.0	155.0	128.4	181.5	349.8	336.4	318.7	309.9	292.2	283.3	283.3
85°	70.8	88.5	79.7	110.7	190.4	199.2	199.2	190.4	185.9	177.1	181.5
87.5°	22.1	39.9	48.7	62.0	97.4	101.9	106.2	106.2	106.2	110.7	110.7
90°	13.5	24.3	35.2	37.9	59.6	88.4	102.9	91.5	68.6	51.5	51.5
92.5°	54.2	146.2	238.4	261.4	367.6	509.0	579.7	508.0	364.8	257.3	247.1
95°	130.0	298.6	467.1	509.3	904.3	1431.1	1694.4	1512.0	1147.2	873.7	842.6
97.5°	224.8	373.5	522.3	559.4	1218.1	2096.5	2535.6	2420.3	2189.8	2016.8	1957.8
100°	298.0	432.9	567.7	601.4	1332.4	2307.1	2794.3	2802.8	2819.6	2832.3	2762.0
102.5°	360.3	486.2	611.9	643.4	1384.8	2373.2	2867.5	3014.4	3308.1	3528.5	3468.3
105°	465.9	572.5	679.1	705.7	1423.6	2380.7	2859.3	3188.6	3847.2	4341.2	4308.8
107.5°	574.3	673.6	773.0	797.8	1430.8	2274.9	2696.9	3156.2	4074.8	4763.7	4771.6
110°	647.5	737.1	826.9	849.3	1419.9	2180.9	2561.3	3074.9	4101.9	4872.1	4905.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	719.3	804.7	890.2	911.5	1420.4	2098.9	2438.1	2963.7	4014.8	4803.1	4854.9
115°	827.6	906.4	985.3	1005.0	1433.5	2004.8	2290.5	2796.8	3809.3	4568.8	4640.5
117.5°	934.6	1006.2	1077.9	1095.8	1460.1	1945.9	2188.9	2645.8	3559.6	4245.0	4324.6
120°	996.9	1064.3	1131.8	1148.6	1481.8	1926.1	2148.3	2565.8	3400.8	4027.0	4104.3
122.5°	1057.9	1125.9	1193.9	1210.9	1513.0	1915.8	2117.1	2493.1	3244.9	3808.9	3885.2
125°	1151.3	1213.3	1275.3	1290.9	1555.0	1907.1	2083.2	2402.5	3041.3	3520.3	3590.6
127.5°	1227.2	1289.8	1352.4	1368.0	1597.0	1902.2	2054.8	2328.9	2877.4	3288.7	3348.0
130°	1267.9	1335.3	1402.7	1419.5	1627.7	1905.2	2044.0	2288.0	2776.3	3142.5	3197.2
132.5°	1309.8	1377.2	1444.7	1461.5	1652.5	1907.1	2034.5	2253.0	2690.1	3017.8	3066.9
135°	1372.1	1433.5	1494.9	1510.3	1679.6	1905.4	2018.2	2201.3	2567.3	2841.8	2884.1
137.5°	1435.8	1496.6	1557.4	1572.5	1720.2	1917.1	2015.5	2170.2	2479.6	2711.7	2746.3
140°	1488.6	1544.5	1600.5	1614.6	1745.0	1919.0	2006.0	2139.6	2406.9	2607.4	2639.7
142.5°	1529.2	1581.0	1632.8	1645.7	1765.8	1926.0	2006.0	2123.4	2358.2	2534.3	2562.1
145°	1591.5	1636.7	1681.9	1693.1	1792.9	1926.0	1992.5	2088.5	2280.5	2424.5	2445.6
147.5°	1653.8	1697.8	1741.7	1752.7	1832.7	1939.2	1992.5	2068.0	2219.2	2332.4	2349.9
150°	1694.4	1734.2	1774.0	1783.9	1853.4	1946.1	1992.5	2056.3	2183.9	2279.6	2293.7
152.5°	1736.5	1766.6	1796.7	1804.2	1867.0	1950.7	1992.5	2047.0	2155.9	2237.6	2248.4
155°	1798.7	1821.1	1843.3	1848.9	1896.8	1960.6	1992.5	2035.9	2122.5	2187.5	2194.6
157.5°	1844.9	1866.5	1888.2	1893.6	1926.6	1970.5	1992.5	2026.2	2093.6	2144.2	2149.1
160°	1876.0	1892.8	1909.8	1913.9	1940.1	1975.1	1992.5	2021.4	2079.2	2122.5	2125.4
162.5°	1907.1	1919.8	1932.4	1935.6	1954.6	1979.9	1992.5	2016.9	2065.7	2102.2	2104.9
165°	1941.0	1952.4	1963.8	1966.7	1975.3	1986.8	1992.5	2010.0	2044.8	2071.0	2073.9
167.5°	1972.2	1977.6	1983.0	1984.3	1991.6	2001.2	2006.0	2017.5	2040.3	2057.5	2058.7
170°	1992.5	1997.9	2003.3	2004.6	2005.1	2005.7	2006.0	2017.5	2040.3	2057.5	2057.5
172.5°	2003.3	2004.5	2005.8	2006.0	2006.0	2006.0	2006.0	2015.1	2033.1	2046.7	2045.6
175°	2018.2	2018.2	2018.2	2018.2	2014.1	2008.7	2006.0	2011.8	2023.2	2031.8	2031.8
177.5°	2018.2	2018.2	2018.2	2018.2	2015.1	2010.8	2008.7	2013.3	2022.2	2029.0	2027.8
180°	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4798.8	4785.5	4798.8	4790.0	4794.4	4781.1	4741.2	4728.0	4741.2	4754.6	4754.6
5°	4856.4	4847.5	4856.4	4856.4	4852.0	4843.1	4798.8	4790.0	4798.8	4803.3	4794.4
7.5°	4874.1	4860.8	4874.1	4865.3	4865.3	4856.4	4812.1	4803.3	4807.7	4821.0	4807.7
10°	4874.1	4860.8	4874.1	4869.7	4865.3	4856.4	4812.1	4794.4	4794.4	4807.7	4794.4
12.5°	4852.0	4843.1	4852.0	4843.1	4843.1	4834.2	4790.0	4772.3	4776.7	4781.1	4763.4
15°	4816.5	4803.3	4816.5	4807.7	4812.1	4798.8	4750.1	4732.4	4732.4	4741.2	4710.3
17.5°	4763.4	4745.7	4763.4	4759.0	4754.6	4745.7	4701.4	4683.7	4679.3	4683.7	4661.6
20°	4701.4	4688.1	4701.4	4697.0	4697.0	4679.3	4635.0	4612.9	4612.9	4612.9	4590.7
22.5°	4604.1	4590.7	4604.1	4612.9	4612.9	4608.4	4568.6	4537.6	4528.8	4528.8	4502.2
25°	4493.3	4480.1	4493.3	4493.3	4489.0	4493.3	4480.1	4462.4	4449.1	4435.9	4409.3
27.5°	4387.1	4378.3	4387.1	4378.3	4387.1	4373.9	4369.4	4365.0	4347.3	4334.0	4298.6
30°	4280.9	4272.0	4280.9	4272.0	4263.2	4254.3	4232.2	4223.3	4241.1	4232.2	4174.6
32.5°	4148.1	4139.2	4148.1	4148.1	4139.2	4139.2	4103.8	4090.5	4095.0	4121.5	4068.4
35°	4010.8	3997.6	4010.8	4006.4	4010.8	3997.6	3975.4	3971.0	3953.3	3984.2	3944.4
37.5°	3851.4	3838.2	3851.4	3851.4	3851.4	3860.3	3842.6	3829.4	3802.8	3842.6	3811.7
40°	3687.7	3670.0	3687.7	3683.2	3687.7	3696.6	3687.7	3678.8	3652.3	3683.2	3656.7
42.5°	3501.7	3497.3	3501.7	3506.2	3506.2	3523.9	3537.1	3519.4	3510.5	3488.5	3506.2
45°	3302.5	3293.7	3302.5	3311.4	3315.8	3324.6	3364.5	3364.5	3351.2	3315.8	3342.3
47.5°	3090.1	3067.9	3090.1	3116.6	3116.6	3129.9	3169.7	3200.7	3178.6	3134.3	3147.6
50°	2864.3	2868.6	2864.3	2882.0	2882.0	2930.6	2961.6	2992.6	3014.8	2961.6	2899.7
52.5°	2642.9	2638.5	2642.9	2656.2	2673.9	2696.0	2749.2	2780.1	2815.5	2784.6	2687.2
55°	2421.6	2430.4	2421.6	2426.0	2434.8	2448.1	2527.8	2558.8	2625.2	2585.3	2483.6
57.5°	2200.2	2186.9	2200.2	2209.0	2213.5	2226.7	2293.2	2350.7	2390.6	2395.0	2271.0
60°	1943.4	1925.7	1943.4	1983.3	1992.2	2001.0	2063.0	2116.1	2151.5	2164.8	2036.4
62.5°	1717.6	1686.7	1717.6	1744.2	1761.9	1784.1	1828.3	1908.0	1939.0	1943.4	1761.9
65°	1478.6	1465.4	1478.6	1531.7	1536.2	1562.7	1611.4	1669.0	1735.3	1726.5	1465.4
67.5°	1261.7	1261.7	1261.7	1297.1	1323.7	1336.9	1398.9	1425.5	1509.6	1518.5	1221.8
70°	1062.5	1058.0	1062.5	1089.0	1106.7	1137.7	1195.3	1226.3	1292.7	1314.8	991.7
72.5°	872.1	867.7	872.1	894.3	912.0	938.5	987.2	1022.6	1080.2	1106.7	770.3
75°	703.9	695.0	703.9	721.6	717.2	752.6	792.4	827.8	880.9	898.6	571.1
77.5°	540.1	540.1	540.1	557.8	557.8	593.2	610.9	655.2	686.2	712.7	420.6
80°	402.9	398.4	402.9	407.2	407.2	425.0	456.0	486.9	513.5	513.5	287.8
82.5°	283.3	274.4	283.3	283.3	283.3	292.2	309.9	318.7	336.4	349.8	181.5
85°	177.1	177.1	177.1	181.5	177.1	185.9	190.4	199.2	199.2	190.4	110.7
87.5°	115.1	110.7	115.1	110.7	110.7	106.2	106.2	106.2	101.9	97.4	62.0
90°	51.5	51.5	51.5	51.5	51.5	68.6	91.5	102.9	88.4	59.6	37.9
92.5°	206.1	165.3	206.1	247.1	257.3	364.8	508.0	579.7	509.0	367.6	261.4
95°	718.6	594.6	718.6	842.6	873.7	1147.2	1512.0	1694.4	1431.1	904.3	509.3
97.5°	1721.8	1485.9	1721.8	1957.8	2016.8	2189.8	2420.3	2535.6	2096.5	1218.1	559.4
100°	2480.8	2199.7	2480.8	2762.0	2832.3	2819.6	2802.8	2794.3	2307.1	1332.4	601.4
102.5°	3227.5	2986.7	3227.5	3468.3	3528.5	3308.1	3014.4	2867.5	2373.2	1384.8	643.4
105°	4179.4	4050.0	4179.4	4308.8	4341.2	3847.2	3188.6	2859.3	2380.7	1423.6	705.7
107.5°	4802.9	4834.2	4802.9	4771.6	4763.7	4074.8	3156.2	2696.9	2274.9	1430.8	797.8
110°	5040.7	5175.5	5040.7	4905.9	4872.1	4101.9	3074.9	2561.3	2180.9	1419.9	849.3





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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	5061.9	5269.0	5061.9	4854.9	4803.1	4014.8	2963.7	2438.1	2098.9	1420.4	911.5
115°	4927.7	5214.9	4927.7	4640.5	4568.8	3809.3	2796.8	2290.5	2004.8	1433.5	1005.0
117.5°	4643.1	4961.5	4643.1	4324.6	4245.0	3559.6	2645.8	2188.9	1945.9	1460.1	1095.8
120°	4413.7	4723.1	4413.7	4104.3	4027.0	3400.8	2565.8	2148.3	1926.1	1481.8	1148.6
122.5°	4190.4	4495.6	4190.4	3885.2	3808.9	3244.9	2493.1	2117.1	1915.8	1513.0	1210.9
125°	3871.7	4152.9	3871.7	3590.6	3520.3	3041.3	2402.5	2083.2	1907.1	1555.0	1290.9
127.5°	3585.2	3822.4	3585.2	3348.0	3288.7	2877.4	2328.9	2054.8	1902.2	1597.0	1368.0
130°	3416.4	3635.5	3416.4	3197.2	3142.5	2776.3	2288.0	2044.0	1905.2	1627.7	1419.5
132.5°	3263.2	3459.4	3263.2	3066.9	3017.8	2690.1	2253.0	2034.5	1907.1	1652.5	1461.5
135°	3053.2	3222.3	3053.2	2884.1	2841.8	2567.3	2201.3	2018.2	1905.4	1679.6	1510.3
137.5°	2884.8	3023.3	2884.8	2746.3	2711.7	2479.6	2170.2	2015.5	1917.1	1720.2	1572.5
140°	2769.2	2898.6	2769.2	2639.7	2607.4	2406.9	2139.6	2006.0	1919.0	1745.0	1614.6
142.5°	2673.5	2784.8	2673.5	2562.1	2534.3	2358.2	2123.4	2006.0	1926.0	1765.8	1645.7
145°	2529.9	2614.2	2529.9	2445.6	2424.5	2280.5	2088.5	1992.5	1926.0	1792.9	1693.1
147.5°	2419.7	2489.6	2419.7	2349.9	2332.4	2219.2	2068.0	1992.5	1939.2	1832.7	1752.7
150°	2350.4	2407.0	2350.4	2293.7	2279.6	2183.9	2056.3	1992.5	1946.1	1853.4	1783.9
152.5°	2291.1	2333.8	2291.1	2248.4	2237.6	2155.9	2047.0	1992.5	1950.7	1867.0	1804.2
155°	2222.9	2251.2	2222.9	2194.6	2187.5	2122.5	2035.9	1992.5	1960.6	1896.8	1848.9
157.5°	2169.0	2188.9	2169.0	2149.1	2144.2	2093.6	2026.2	1992.5	1970.5	1926.6	1893.6
160°	2136.8	2148.3	2136.8	2125.4	2122.5	2079.2	2021.4	1992.5	1975.1	1940.1	1913.9
162.5°	2115.7	2126.5	2115.7	2104.9	2102.2	2065.7	2016.9	1992.5	1979.9	1954.6	1935.6
165°	2085.3	2096.8	2085.3	2073.9	2071.0	2044.8	2010.0	1992.5	1986.8	1975.3	1966.7
167.5°	2063.5	2068.3	2063.5	2058.7	2057.5	2040.3	2017.5	2006.0	2001.2	1991.6	1984.3
170°	2057.5	2057.5	2057.5	2057.5	2057.5	2040.3	2017.5	2006.0	2005.7	2005.1	2004.6
172.5°	2041.3	2037.2	2041.3	2045.6	2046.7	2033.1	2015.1	2006.0	2006.0	2006.0	2006.0
175°	2031.8	2031.8	2031.8	2031.8	2031.8	2023.2	2011.8	2006.0	2008.7	2014.1	2018.2
177.5°	2023.0	2018.2	2023.0	2027.8	2029.0	2022.2	2013.3	2008.7	2010.8	2015.1	2018.2
180°	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2



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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4745.7	4719.2	4719.2	4674.9	4657.2	4643.9	4621.8	4555.3	4537.6	4519.9	4546.5
5°	4785.5	4736.9	4701.4	4621.8	4555.3	4528.8	4444.7	4285.3	4179.0	4099.3	4055.1
7.5°	4794.4	4732.4	4666.0	4542.1	4382.7	4311.9	4055.1	3762.9	3683.2	3612.4	3568.1
10°	4785.5	4714.7	4621.8	4435.9	4059.5	3935.6	3678.8	3488.5	3439.7	3426.5	3439.7
12.5°	4754.6	4688.1	4559.8	4249.9	3723.1	3639.0	3488.5	3377.7	3368.9	3391.1	3510.5
15°	4701.4	4639.5	4489.0	4001.9	3537.1	3475.1	3368.9	3329.1	3377.7	3532.7	3891.3
17.5°	4648.3	4577.5	4391.6	3758.5	3395.5	3351.2	3276.0	3355.7	3630.1	3838.2	3957.7
20°	4577.5	4493.3	4280.9	3581.4	3293.7	3253.8	3218.4	3577.0	3785.1	3860.3	3926.7
22.5°	4493.3	4404.8	4130.4	3457.4	3187.5	3156.4	3178.6	3700.9	3785.1	3838.2	3895.7
25°	4382.7	4307.4	3953.3	3360.0	3103.3	3067.9	3152.0	3687.7	3736.3	3749.7	3864.8
27.5°	4280.9	4183.5	3767.4	3271.5	3001.5	2988.2	3174.1	3630.1	3665.5	3678.8	3802.8
30°	4156.9	4010.8	3559.3	3178.6	2895.2	2890.8	3178.6	3559.3	3550.4	3585.8	3709.8
32.5°	4028.5	3754.1	3324.6	3063.5	2793.4	2789.0	3147.6	3453.0	3444.2	3492.8	3585.8
35°	3909.0	3554.8	3005.9	2930.6	2665.0	2669.5	3072.4	3329.1	3333.5	3377.7	3435.3
37.5°	3785.1	3382.2	2656.2	2784.6	2541.1	2541.1	2970.5	3214.0	3205.2	3218.4	3298.1
40°	3639.0	3112.1	2346.3	2594.2	2426.0	2412.7	2846.6	3090.1	3059.0	3054.6	3165.3
42.5°	3484.0	2815.5	2116.1	2341.8	2293.2	2275.5	2696.0	2939.5	2882.0	2895.2	3036.9
45°	3315.8	2735.8	1939.0	1978.8	2155.9	2142.7	2532.2	2766.9	2727.0	2762.4	2908.5
47.5°	3147.6	2576.5	1881.5	1642.4	2009.9	2005.4	2350.7	2598.7	2576.5	2611.9	2766.9
50°	2917.4	2399.4	1877.1	1407.8	1846.0	1863.7	2133.8	2434.8	2434.8	2465.9	2629.6
52.5°	2620.7	2182.5	1704.4	1275.0	1655.6	1708.8	1943.4	2293.2	2302.0	2333.0	2479.1
55°	2350.7	1956.8	1580.4	1173.1	1429.9	1545.0	1757.5	2147.0	2164.8	2195.8	2328.6
57.5°	2102.8	1629.1	1553.9	1053.6	1221.8	1332.6	1593.7	2005.4	2014.3	2040.8	2169.2
60°	1837.2	1177.6	1425.5	925.2	1040.3	1124.5	1443.2	1837.2	1868.2	1885.9	1996.5
62.5°	1536.2	854.4	1292.7	836.7	951.8	969.5	1319.2	1677.8	1717.6	1730.9	1797.3
65°	1093.4	717.2	1097.9	761.5	858.9	863.2	1186.4	1514.0	1549.4	1571.6	1620.2
67.5°	739.3	584.3	836.7	690.6	788.0	792.4	1058.0	1323.7	1372.3	1390.1	1421.1
70°	513.5	389.5	619.8	615.3	708.4	717.2	920.8	1151.0	1195.3	1208.6	1226.3
72.5°	376.3	314.3	513.5	553.4	624.2	633.1	779.2	956.2	1000.5	1013.7	1022.6
75°	287.8	332.0	416.1	482.5	531.2	535.7	637.5	779.2	810.1	819.0	823.4
77.5°	230.2	309.9	305.5	389.5	433.8	425.0	500.3	602.1	628.6	628.6	628.6
80°	172.7	243.5	230.2	278.9	318.7	309.9	358.6	429.4	438.3	447.1	442.7
82.5°	128.4	155.0	155.0	177.1	212.5	203.6	239.0	278.9	278.9	278.9	287.8
85°	79.7	88.5	70.8	93.0	119.6	115.1	132.8	150.5	155.0	155.0	146.1
87.5°	48.7	39.9	22.1	35.4	53.1	53.1	62.0	66.4	62.0	62.0	62.0
90°	35.2	24.3	13.5	24.3	35.2	37.9	59.6	88.4	102.9	91.5	68.6
92.5°	238.4	146.2	54.2	146.2	238.4	261.4	367.6	509.0	579.7	508.0	364.8
95°	467.1	298.6	130.0	298.6	467.1	509.3	904.3	1431.1	1694.4	1512.0	1147.2
97.5°	522.3	373.5	224.8	373.5	522.3	559.4	1218.1	2096.5	2535.6	2420.3	2189.8
100°	567.7	432.9	298.0	432.9	567.7	601.4	1332.4	2307.1	2794.3	2802.8	2819.6
102.5°	611.9	486.2	360.3	486.2	611.9	643.4	1384.8	2373.2	2867.5	3014.4	3308.1
105°	679.1	572.5	465.9	572.5	679.1	705.7	1423.6	2380.7	2859.3	3188.6	3847.2
107.5°	773.0	673.6	574.3	673.6	773.0	797.8	1430.8	2274.9	2696.9	3156.2	4074.8
110°	826.9	737.1	647.5	737.1	826.9	849.3	1419.9	2180.9	2561.3	3074.9	4101.9



TEST NUMBER: P935726

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**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	890.2	804.7	719.3	804.7	890.2	911.5	1420.4	2098.9	2438.1	2963.7	4014.8
115°	985.3	906.4	827.6	906.4	985.3	1005.0	1433.5	2004.8	2290.5	2796.8	3809.3
117.5°	1077.9	1006.2	934.6	1006.2	1077.9	1095.8	1460.1	1945.9	2188.9	2645.8	3559.6
120°	1131.8	1064.3	996.9	1064.3	1131.8	1148.6	1481.8	1926.1	2148.3	2565.8	3400.8
122.5°	1193.9	1125.9	1057.9	1125.9	1193.9	1210.9	1513.0	1915.8	2117.1	2493.1	3244.9
125°	1275.3	1213.3	1151.3	1213.3	1275.3	1290.9	1555.0	1907.1	2083.2	2402.5	3041.3
127.5°	1352.4	1289.8	1227.2	1289.8	1352.4	1368.0	1597.0	1902.2	2054.8	2328.9	2877.4
130°	1402.7	1335.3	1267.9	1335.3	1402.7	1419.5	1627.7	1905.2	2044.0	2288.0	2776.3
132.5°	1444.7	1377.2	1309.8	1377.2	1444.7	1461.5	1652.5	1907.1	2034.5	2253.0	2690.1
135°	1494.9	1433.5	1372.1	1433.5	1494.9	1510.3	1679.6	1905.4	2018.2	2201.3	2567.3
137.5°	1557.4	1496.6	1435.8	1496.6	1557.4	1572.5	1720.2	1917.1	2015.5	2170.2	2479.6
140°	1600.5	1544.5	1488.6	1544.5	1600.5	1614.6	1745.0	1919.0	2006.0	2139.6	2406.9
142.5°	1632.8	1581.0	1529.2	1581.0	1632.8	1645.7	1765.8	1926.0	2006.0	2123.4	2358.2
145°	1681.9	1636.7	1591.5	1636.7	1681.9	1693.1	1792.9	1926.0	1992.5	2088.5	2280.5
147.5°	1741.7	1697.8	1653.8	1697.8	1741.7	1752.7	1832.7	1939.2	1992.5	2068.0	2219.2
150°	1774.0	1734.2	1694.4	1734.2	1774.0	1783.9	1853.4	1946.1	1992.5	2056.3	2183.9
152.5°	1796.7	1766.6	1736.5	1766.6	1796.7	1804.2	1867.0	1950.7	1992.5	2047.0	2155.9
155°	1843.3	1821.1	1798.7	1821.1	1843.3	1848.9	1896.8	1960.6	1992.5	2035.9	2122.5
157.5°	1888.2	1866.5	1844.9	1866.5	1888.2	1893.6	1926.6	1970.5	1992.5	2026.2	2093.6
160°	1909.8	1892.8	1876.0	1892.8	1909.8	1913.9	1940.1	1975.1	1992.5	2021.4	2079.2
162.5°	1932.4	1919.8	1907.1	1919.8	1932.4	1935.6	1954.6	1979.9	1992.5	2016.9	2065.7
165°	1963.8	1952.4	1941.0	1952.4	1963.8	1966.7	1975.3	1986.8	1992.5	2010.0	2044.8
167.5°	1983.0	1977.6	1972.2	1977.6	1983.0	1984.3	1991.6	2001.2	2006.0	2017.5	2040.3
170°	2003.3	1997.9	1992.5	1997.9	2003.3	2004.6	2005.1	2005.7	2006.0	2017.5	2040.3
172.5°	2005.8	2004.5	2003.3	2004.5	2005.8	2006.0	2006.0	2006.0	2006.0	2015.1	2033.1
175°	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2014.1	2008.7	2006.0	2011.8	2023.2
177.5°	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2015.1	2010.8	2008.7	2013.3	2022.2
180°	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2



TEST NUMBER: P935726

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-12-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4515.5	4502.2	4519.9	4471.3	4519.9	4502.2	4515.5	4546.5	4519.9	4537.6	4555.3
5°	3962.2	3940.0	3869.1	3811.7	3869.1	3940.0	3962.2	4055.1	4099.3	4179.0	4285.3
7.5°	3541.6	3523.9	3506.2	3470.8	3506.2	3523.9	3541.6	3568.1	3612.4	3683.2	3762.9
10°	3448.6	3453.0	3479.6	3475.1	3479.6	3453.0	3448.6	3439.7	3426.5	3439.7	3488.5
12.5°	3687.7	3727.5	3873.6	3864.8	3873.6	3727.5	3687.7	3510.5	3391.1	3368.9	3377.7
15°	3962.2	3975.4	4006.4	4010.8	4006.4	3975.4	3962.2	3891.3	3532.7	3377.7	3329.1
17.5°	3988.7	3993.1	4015.3	4015.3	4015.3	3993.1	3988.7	3957.7	3838.2	3630.1	3355.7
20°	3966.5	3975.4	4019.7	4028.5	4019.7	3975.4	3966.5	3926.7	3860.3	3785.1	3577.0
22.5°	3957.7	3975.4	4010.8	4006.4	4010.8	3975.4	3957.7	3895.7	3838.2	3785.1	3700.9
25°	3913.4	3913.4	3917.9	3922.3	3917.9	3913.4	3913.4	3864.8	3749.7	3736.3	3687.7
27.5°	3820.5	3829.4	3855.9	3851.4	3855.9	3829.4	3820.5	3802.8	3678.8	3665.5	3630.1
30°	3736.3	3727.5	3705.4	3687.7	3705.4	3727.5	3736.3	3709.8	3585.8	3550.4	3559.3
32.5°	3594.7	3572.5	3550.4	3537.1	3550.4	3572.5	3594.7	3585.8	3492.8	3444.2	3453.0
35°	3426.5	3430.9	3426.5	3413.2	3426.5	3430.9	3426.5	3435.3	3377.7	3333.5	3329.1
37.5°	3306.9	3315.8	3311.4	3293.7	3311.4	3315.8	3306.9	3298.1	3218.4	3205.2	3214.0
40°	3183.0	3187.5	3183.0	3169.7	3183.0	3187.5	3183.0	3165.3	3054.6	3059.0	3090.1
42.5°	3063.5	3059.0	3045.8	3036.9	3045.8	3059.0	3063.5	3036.9	2895.2	2882.0	2939.5
45°	2926.2	2930.6	2904.0	2890.8	2904.0	2930.6	2926.2	2908.5	2762.4	2727.0	2766.9
47.5°	2789.0	2789.0	2766.9	2753.5	2766.9	2789.0	2789.0	2766.9	2611.9	2576.5	2598.7
50°	2642.9	2638.5	2607.5	2603.0	2607.5	2638.5	2642.9	2629.6	2465.9	2434.8	2434.8
52.5°	2474.7	2474.7	2479.1	2487.9	2479.1	2474.7	2474.7	2479.1	2333.0	2302.0	2293.2
55°	2328.6	2333.0	2364.0	2372.9	2364.0	2333.0	2328.6	2328.6	2195.8	2164.8	2147.0
57.5°	2178.1	2178.1	2200.2	2200.2	2200.2	2178.1	2178.1	2169.2	2040.8	2014.3	2005.4
60°	2005.4	2014.3	2032.0	2027.6	2032.0	2014.3	2005.4	1996.5	1885.9	1868.2	1837.2
62.5°	1823.9	1832.8	1837.2	1828.3	1837.2	1832.8	1823.9	1797.3	1730.9	1717.6	1677.8
65°	1633.6	1642.4	1646.8	1637.9	1646.8	1642.4	1633.6	1620.2	1571.6	1549.4	1514.0
67.5°	1438.8	1434.3	1429.9	1447.6	1429.9	1434.3	1438.8	1421.1	1390.1	1372.3	1323.7
70°	1239.5	1239.5	1235.1	1244.0	1235.1	1239.5	1239.5	1226.3	1208.6	1195.3	1151.0
72.5°	1027.1	1022.6	1040.3	1027.1	1040.3	1022.6	1027.1	1022.6	1013.7	1000.5	956.2
75°	819.0	827.8	819.0	832.3	819.0	827.8	819.0	823.4	819.0	810.1	779.2
77.5°	624.2	633.1	624.2	624.2	624.2	633.1	624.2	628.6	628.6	628.6	602.1
80°	442.7	438.3	438.3	433.8	438.3	438.3	442.7	442.7	447.1	438.3	429.4
82.5°	283.3	278.9	278.9	287.8	278.9	278.9	283.3	287.8	278.9	278.9	278.9
85°	155.0	159.4	150.5	150.5	150.5	159.4	155.0	146.1	155.0	155.0	150.5
87.5°	57.6	53.1	53.1	53.1	53.1	53.1	57.6	62.0	62.0	62.0	66.4
90°	51.5	51.5	51.5	51.5	51.5	51.5	51.5	68.6	91.5	102.9	88.4
92.5°	257.3	247.1	206.1	165.3	206.1	247.1	257.3	364.8	508.0	579.7	509.0
95°	873.7	842.6	718.6	594.6	718.6	842.6	873.7	1147.2	1512.0	1694.4	1431.1
97.5°	2016.8	1957.8	1721.8	1485.9	1721.8	1957.8	2016.8	2189.8	2420.3	2535.6	2096.5
100°	2832.3	2762.0	2480.8	2199.7	2480.8	2762.0	2832.3	2819.6	2802.8	2794.3	2307.1
102.5°	3528.5	3468.3	3227.5	2986.7	3227.5	3468.3	3528.5	3308.1	3014.4	2867.5	2373.2
105°	4341.2	4308.8	4179.4	4050.0	4179.4	4308.8	4341.2	3847.2	3188.6	2859.3	2380.7
107.5°	4763.7	4771.6	4802.9	4834.2	4802.9	4771.6	4763.7	4074.8	3156.2	2696.9	2274.9
110°	4872.1	4905.9	5040.7	5175.5	5040.7	4905.9	4872.1	4101.9	3074.9	2561.3	2180.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	4803.1	4854.9	5061.9	5269.0	5061.9	4854.9	4803.1	4014.8	2963.7	2438.1	2098.9
115°	4568.8	4640.5	4927.7	5214.9	4927.7	4640.5	4568.8	3809.3	2796.8	2290.5	2004.8
117.5°	4245.0	4324.6	4643.1	4961.5	4643.1	4324.6	4245.0	3559.6	2645.8	2188.9	1945.9
120°	4027.0	4104.3	4413.7	4723.1	4413.7	4104.3	4027.0	3400.8	2565.8	2148.3	1926.1
122.5°	3808.9	3885.2	4190.4	4495.6	4190.4	3885.2	3808.9	3244.9	2493.1	2117.1	1915.8
125°	3520.3	3590.6	3871.7	4152.9	3871.7	3590.6	3520.3	3041.3	2402.5	2083.2	1907.1
127.5°	3288.7	3348.0	3585.2	3822.4	3585.2	3348.0	3288.7	2877.4	2328.9	2054.8	1902.2
130°	3142.5	3197.2	3416.4	3635.5	3416.4	3197.2	3142.5	2776.3	2288.0	2044.0	1905.2
132.5°	3017.8	3066.9	3263.2	3459.4	3263.2	3066.9	3017.8	2690.1	2253.0	2034.5	1907.1
135°	2841.8	2884.1	3053.2	3222.3	3053.2	2884.1	2841.8	2567.3	2201.3	2018.2	1905.4
137.5°	2711.7	2746.3	2884.8	3023.3	2884.8	2746.3	2711.7	2479.6	2170.2	2015.5	1917.1
140°	2607.4	2639.7	2769.2	2898.6	2769.2	2639.7	2607.4	2406.9	2139.6	2006.0	1919.0
142.5°	2534.3	2562.1	2673.5	2784.8	2673.5	2562.1	2534.3	2358.2	2123.4	2006.0	1926.0
145°	2424.5	2445.6	2529.9	2614.2	2529.9	2445.6	2424.5	2280.5	2088.5	1992.5	1926.0
147.5°	2332.4	2349.9	2419.7	2489.6	2419.7	2349.9	2332.4	2219.2	2068.0	1992.5	1939.2
150°	2279.6	2293.7	2350.4	2407.0	2350.4	2293.7	2279.6	2183.9	2056.3	1992.5	1946.1
152.5°	2237.6	2248.4	2291.1	2333.8	2291.1	2248.4	2237.6	2155.9	2047.0	1992.5	1950.7
155°	2187.5	2194.6	2222.9	2251.2	2222.9	2194.6	2187.5	2122.5	2035.9	1992.5	1960.6
157.5°	2144.2	2149.1	2169.0	2188.9	2169.0	2149.1	2144.2	2093.6	2026.2	1992.5	1970.5
160°	2122.5	2125.4	2136.8	2148.3	2136.8	2125.4	2122.5	2079.2	2021.4	1992.5	1975.1
162.5°	2102.2	2104.9	2115.7	2126.5	2115.7	2104.9	2102.2	2065.7	2016.9	1992.5	1979.9
165°	2071.0	2073.9	2085.3	2096.8	2085.3	2073.9	2071.0	2044.8	2010.0	1992.5	1986.8
167.5°	2057.5	2058.7	2063.5	2068.3	2063.5	2058.7	2057.5	2040.3	2017.5	2006.0	2001.2
170°	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2057.5	2040.3	2017.5	2006.0	2005.7
172.5°	2046.7	2045.6	2041.3	2037.2	2041.3	2045.6	2046.7	2033.1	2015.1	2006.0	2006.0
175°	2031.8	2031.8	2031.8	2031.8	2031.8	2031.8	2031.8	2023.2	2011.8	2006.0	2008.7
177.5°	2029.0	2027.8	2023.0	2018.2	2023.0	2027.8	2029.0	2022.2	2013.3	2008.7	2010.8
180°	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2	2018.2



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	4679.3	4679.3	4679.3	4679.3	4679.3
2.5°	4621.8	4643.9	4657.2	4674.9	4719.2
5°	4444.7	4528.8	4555.3	4621.8	4701.4
7.5°	4055.1	4311.9	4382.7	4542.1	4666.0
10°	3678.8	3935.6	4059.5	4435.9	4621.8
12.5°	3488.5	3639.0	3723.1	4249.9	4559.8
15°	3368.9	3475.1	3537.1	4001.9	4489.0
17.5°	3276.0	3351.2	3395.5	3758.5	4391.6
20°	3218.4	3253.8	3293.7	3581.4	4280.9
22.5°	3178.6	3156.4	3187.5	3457.4	4130.4
25°	3152.0	3067.9	3103.3	3360.0	3953.3
27.5°	3174.1	2988.2	3001.5	3271.5	3767.4
30°	3178.6	2890.8	2895.2	3178.6	3559.3
32.5°	3147.6	2789.0	2793.4	3063.5	3324.6
35°	3072.4	2669.5	2665.0	2930.6	3005.9
37.5°	2970.5	2541.1	2541.1	2784.6	2656.2
40°	2846.6	2412.7	2426.0	2594.2	2346.3
42.5°	2696.0	2275.5	2293.2	2341.8	2116.1
45°	2532.2	2142.7	2155.9	1978.8	1939.0
47.5°	2350.7	2005.4	2009.9	1642.4	1881.5
50°	2133.8	1863.7	1846.0	1407.8	1877.1
52.5°	1943.4	1708.8	1655.6	1275.0	1704.4
55°	1757.5	1545.0	1429.9	1173.1	1580.4
57.5°	1593.7	1332.6	1221.8	1053.6	1553.9
60°	1443.2	1124.5	1040.3	925.2	1425.5
62.5°	1319.2	969.5	951.8	836.7	1292.7
65°	1186.4	863.2	858.9	761.5	1097.9
67.5°	1058.0	792.4	788.0	690.6	836.7
70°	920.8	717.2	708.4	615.3	619.8
72.5°	779.2	633.1	624.2	553.4	513.5
75°	637.5	535.7	531.2	482.5	416.1
77.5°	500.3	425.0	433.8	389.5	305.5
80°	358.6	309.9	318.7	278.9	230.2
82.5°	239.0	203.6	212.5	177.1	155.0
85°	132.8	115.1	119.6	93.0	70.8
87.5°	62.0	53.1	53.1	35.4	22.1
90°	59.6	37.9	35.2	24.3	13.5
92.5°	367.6	261.4	238.4	146.2	54.2
95°	904.3	509.3	467.1	298.6	130.0
97.5°	1218.1	559.4	522.3	373.5	224.8
100°	1332.4	601.4	567.7	432.9	298.0
102.5°	1384.8	643.4	611.9	486.2	360.3
105°	1423.6	705.7	679.1	572.5	465.9
107.5°	1430.8	797.8	773.0	673.6	574.3
110°	1419.9	849.3	826.9	737.1	647.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	1420.4	911.5	890.2	804.7	719.3
115°	1433.5	1005.0	985.3	906.4	827.6
117.5°	1460.1	1095.8	1077.9	1006.2	934.6
120°	1481.8	1148.6	1131.8	1064.3	996.9
122.5°	1513.0	1210.9	1193.9	1125.9	1057.9
125°	1555.0	1290.9	1275.3	1213.3	1151.3
127.5°	1597.0	1368.0	1352.4	1289.8	1227.2
130°	1627.7	1419.5	1402.7	1335.3	1267.9
132.5°	1652.5	1461.5	1444.7	1377.2	1309.8
135°	1679.6	1510.3	1494.9	1433.5	1372.1
137.5°	1720.2	1572.5	1557.4	1496.6	1435.8
140°	1745.0	1614.6	1600.5	1544.5	1488.6
142.5°	1765.8	1645.7	1632.8	1581.0	1529.2
145°	1792.9	1693.1	1681.9	1636.7	1591.5
147.5°	1832.7	1752.7	1741.7	1697.8	1653.8
150°	1853.4	1783.9	1774.0	1734.2	1694.4
152.5°	1867.0	1804.2	1796.7	1766.6	1736.5
155°	1896.8	1848.9	1843.3	1821.1	1798.7
157.5°	1926.6	1893.6	1888.2	1866.5	1844.9
160°	1940.1	1913.9	1909.8	1892.8	1876.0
162.5°	1954.6	1935.6	1932.4	1919.8	1907.1
165°	1975.3	1966.7	1963.8	1952.4	1941.0
167.5°	1991.6	1984.3	1983.0	1977.6	1972.2
170°	2005.1	2004.6	2003.3	1997.9	1992.5
172.5°	2006.0	2006.0	2005.8	2004.5	2003.3
175°	2014.1	2018.2	2018.2	2018.2	2018.2
177.5°	2015.1	2018.2	2018.2	2018.2	2018.2
180°	2018.2	2018.2	2018.2	2018.2	2018.2



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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	13.92	14.77	14.89	15.75	17.05	16.77	17.62	17.74	18.60	19.90
	3H	14.40	15.15	15.38	16.15	17.47	18.12	18.88	19.11	19.88	21.20
	4H	14.59	15.30	15.58	16.30	17.63	18.57	19.29	19.57	20.29	21.61
	6H	14.70	15.36	15.71	16.37	17.71	18.86	19.52	19.87	20.52	21.86
	8H	14.71	15.33	15.72	16.35	17.69	18.94	19.57	19.95	20.59	21.92
	12H	14.68	15.27	15.70	16.29	17.65	18.98	19.58	20.00	20.59	21.95
4H	2H	14.96	15.67	15.96	16.67	18.00	17.18	17.89	18.18	18.89	20.22
	3H	15.98	16.58	17.00	17.61	18.95	18.69	19.29	19.70	20.31	21.66
	4H	16.26	16.80	17.28	17.82	19.19	19.22	19.77	20.24	20.79	22.15
	6H	16.38	16.85	17.41	17.90	19.26	19.59	20.06	20.62	21.10	22.47
	8H	16.39	16.83	17.42	17.86	19.24	19.70	20.14	20.73	21.18	22.55
	12H	16.35	16.75	17.40	17.80	19.18	19.76	20.16	20.81	21.21	22.59
8H	4H	16.71	17.15	17.75	18.19	19.56	19.34	19.78	20.38	20.82	22.20
	6H	16.97	17.34	18.03	18.42	19.79	19.78	20.15	20.84	21.23	22.60
	8H	17.02	17.34	18.08	18.40	19.79	19.94	20.26	21.00	21.32	22.72
	12H	17.00	17.28	18.07	18.34	19.77	20.04	20.32	21.11	21.38	22.82
12H	4H	16.72	17.12	17.77	18.17	19.55	19.31	19.70	20.36	20.76	22.14
	6H	17.04	17.36	18.10	18.42	19.81	19.78	20.10	20.85	21.16	22.56
	8H	17.10	17.38	18.17	18.44	19.88	19.95	20.23	21.01	21.28	22.72