

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: P934926

Luminaire Tested: SQ4-FA-075U-125D-92765-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934926
REPORT IS A COMBINATION OF REPORTS P933717 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-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: -

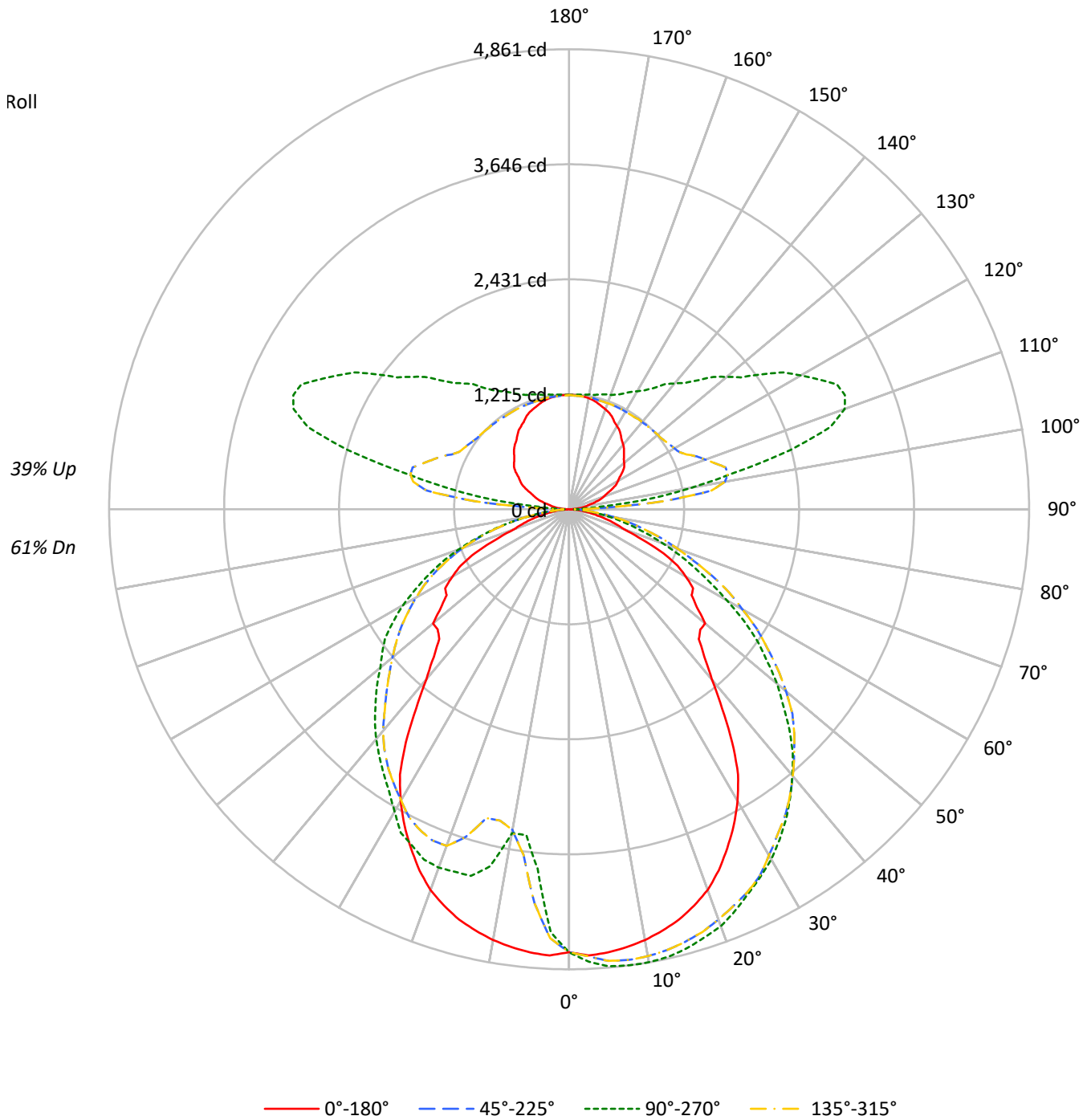
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19970.5 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 186
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





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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	110	110	110	110	103	103	103	103	89	89	89	77	77	77	66	66	66	66	66	66	61
1	100	96	92	88	94	90	86	83	79	76	74	68	66	65	59	57	56	56	56	56	51
2	91	84	78	72	85	79	73	68	69	65	61	60	57	54	52	49	47	47	47	47	43
3	83	74	66	60	78	69	63	57	61	56	51	53	49	46	46	43	40	40	40	40	36
4	76	65	57	51	71	61	54	49	54	48	44	47	43	39	41	37	35	35	35	35	31
5	70	58	50	44	65	55	47	42	48	42	38	42	38	34	37	33	30	30	30	30	27
6	65	52	44	38	60	49	42	36	44	37	33	38	33	30	33	29	26	26	26	26	24
7	60	47	39	33	56	45	37	32	39	33	29	35	30	26	30	26	23	23	23	23	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	21	21	21	19
9	52	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	19	19	19	17
10	48	36	29	24	45	34	27	23	30	25	21	27	22	19	24	20	17	17	17	17	15

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	2.1
10°-20°	1199.3	6.0
20°-30°	1853.9	9.3
30°-40°	2213.1	11.1
40°-50°	2226.1	11.1
50°-60°	1937.0	9.7
60°-70°	1373.3	6.9
70°-80°	726.6	3.6
80°-90°	185.6	0.9
90°-100°	589.0	2.9
100°-110°	1548.5	7.8
110°-120°	1605.7	8.0
120°-130°	1287.9	6.4
130°-140°	1010.6	5.1
140°-150°	775.7	3.9
150°-160°	558.6	2.8
160°-170°	341.8	1.7
170°-180°	115.5	0.6
0°-30°	3475.5	17.4
0°-40°	5688.7	28.5
0°-60°	9851.7	49.3
0°-90°	12137.2	60.8
90°-120°	3743.2	18.7
90°-150°	6817.4	34.1
90°-180°	7833.0	39.2
0°-180°	19970.5	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°	8	31	8	31	8	10
95°	78	356	78	356	78	86
105°	279	2425	279	2425	279	296
115°	496	3122	496	3122	496	489
125°	689	2486	689	2486	689	612
135°	822	1929	822	1929	822	636
145°	953	1565	953	1565	953	597
155°	1077	1348	1077	1348	1077	495
165°	1162	1255	1162	1255	1162	328
175°	1208	1216	1208	1216	1208	115
180°	1208	1208	1208	1208	1208	



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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°	8.1	14.6	21.0	22.7	35.7	53.0	61.7	54.8	41.1	30.8	30.8
92.5°	32.4	87.6	142.8	156.5	220.0	304.7	347.1	304.2	218.4	154.1	148.0
95°	77.9	178.8	279.7	305.0	541.4	856.9	1014.5	905.3	686.9	523.0	504.5
97.5°	134.6	223.7	312.7	334.9	729.4	1255.2	1518.1	1449.1	1311.0	1207.5	1172.2
100°	178.4	259.2	339.9	360.1	797.7	1381.2	1673.0	1678.1	1688.2	1695.8	1653.6
102.5°	215.7	291.1	366.3	385.2	829.0	1420.9	1716.9	1804.8	1980.7	2112.6	2076.6
105°	279.0	342.8	406.5	422.5	852.3	1425.4	1712.0	1909.1	2303.5	2599.2	2579.8
107.5°	343.8	403.3	462.8	477.7	856.7	1362.0	1614.7	1889.7	2439.7	2852.2	2856.9
110°	387.6	441.3	495.1	508.5	850.1	1305.8	1533.6	1841.0	2455.9	2917.0	2937.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	430.6	481.8	533.0	545.8	850.5	1256.7	1459.8	1774.4	2403.8	2875.7	2906.7
115°	495.5	542.7	589.9	601.7	858.3	1200.4	1371.4	1674.5	2280.7	2735.4	2778.4
117.5°	559.6	602.5	645.3	656.0	874.2	1165.0	1310.5	1584.0	2131.2	2541.5	2589.2
120°	596.9	637.3	677.6	687.7	887.2	1153.2	1286.2	1536.1	2036.0	2411.0	2457.3
122.5°	633.4	674.1	714.8	725.0	905.9	1147.0	1267.5	1492.6	1942.8	2280.5	2326.2
125°	689.3	726.5	763.6	772.9	931.0	1141.8	1247.3	1438.5	1820.9	2107.7	2149.8
127.5°	734.8	772.3	809.8	819.1	956.2	1138.9	1230.3	1394.5	1722.8	1969.1	2004.5
130°	759.1	799.5	839.8	849.9	974.5	1140.6	1223.7	1369.9	1662.2	1881.4	1914.2
132.5°	784.2	824.6	864.9	875.0	989.3	1141.8	1218.1	1348.9	1610.6	1806.9	1836.2
135°	821.5	858.3	895.1	904.2	1005.6	1140.8	1208.4	1317.9	1537.0	1701.4	1726.7
137.5°	859.7	896.0	932.5	941.5	1030.0	1147.8	1206.7	1299.3	1484.6	1623.6	1644.3
140°	891.2	924.7	958.3	966.6	1044.8	1149.0	1201.1	1281.1	1441.1	1561.1	1580.5
142.5°	915.5	946.6	977.6	985.3	1057.3	1153.1	1201.1	1271.3	1411.9	1517.3	1534.0
145°	952.9	979.9	1006.9	1013.7	1073.5	1153.1	1192.9	1250.4	1365.4	1451.7	1464.3
147.5°	990.2	1016.5	1042.9	1049.4	1097.3	1161.0	1192.9	1238.2	1328.6	1396.5	1406.9
150°	1014.5	1038.3	1062.1	1068.1	1109.7	1165.2	1192.9	1231.1	1307.5	1364.8	1373.3
152.5°	1039.6	1057.7	1075.7	1080.2	1117.8	1167.9	1192.9	1225.6	1290.8	1339.7	1346.1
155°	1077.0	1090.3	1103.6	1107.0	1135.6	1173.8	1192.9	1218.9	1270.8	1309.7	1314.0
157.5°	1104.5	1117.5	1130.5	1133.7	1153.4	1179.8	1192.9	1213.1	1253.5	1283.7	1286.7
160°	1123.2	1133.3	1143.4	1145.9	1161.6	1182.5	1192.9	1210.2	1244.8	1270.8	1272.6
162.5°	1141.8	1149.4	1156.9	1158.8	1170.2	1185.4	1192.9	1207.5	1236.7	1258.6	1260.3
165°	1162.2	1169.0	1175.8	1177.5	1182.7	1189.5	1192.9	1203.4	1224.2	1239.9	1241.7
167.5°	1180.7	1184.0	1187.3	1188.1	1192.4	1198.2	1201.1	1207.9	1221.5	1231.8	1232.5
170°	1192.9	1196.2	1199.5	1200.3	1200.5	1200.9	1201.1	1207.9	1221.5	1231.8	1231.8
172.5°	1199.4	1200.1	1200.9	1201.1	1201.1	1201.1	1201.1	1206.5	1217.3	1225.4	1224.8
175°	1208.4	1208.4	1208.4	1208.4	1205.9	1202.7	1201.1	1204.5	1211.3	1216.5	1216.5
177.5°	1208.4	1208.4	1208.4	1208.4	1206.5	1203.9	1202.7	1205.4	1210.8	1214.8	1214.1
180°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4



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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°	30.8	30.8	30.8	30.8	30.8	41.1	54.8	61.7	53.0	35.7	22.7
92.5°	123.5	99.0	123.5	148.0	154.1	218.4	304.2	347.1	304.7	220.0	156.5
95°	430.3	356.1	430.3	504.5	523.0	686.9	905.3	1014.5	856.9	541.4	305.0
97.5°	1030.9	889.6	1030.9	1172.2	1207.5	1311.0	1449.1	1518.1	1255.2	729.4	334.9
100°	1485.3	1317.0	1485.3	1653.6	1695.8	1688.2	1678.1	1673.0	1381.2	797.7	360.1
102.5°	1932.3	1788.2	1932.3	2076.6	2112.6	1980.7	1804.8	1716.9	1420.9	829.0	385.2
105°	2502.3	2424.8	2502.3	2579.8	2599.2	2303.5	1909.1	1712.0	1425.4	852.3	422.5
107.5°	2875.6	2894.4	2875.6	2856.9	2852.2	2439.7	1889.7	1614.7	1362.0	856.7	477.7
110°	3017.9	3098.7	3017.9	2937.2	2917.0	2455.9	1841.0	1533.6	1305.8	850.1	508.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3030.7	3154.7	3030.7	2906.7	2875.7	2403.8	1774.4	1459.8	1256.7	850.5	545.8
115°	2950.3	3122.2	2950.3	2778.4	2735.4	2280.7	1674.5	1371.4	1200.4	858.3	601.7
117.5°	2779.9	2970.6	2779.9	2589.2	2541.5	2131.2	1584.0	1310.5	1165.0	874.2	656.0
120°	2642.6	2827.8	2642.6	2457.3	2411.0	2036.0	1536.1	1286.2	1153.2	887.2	687.7
122.5°	2508.8	2691.6	2508.8	2326.2	2280.5	1942.8	1492.6	1267.5	1147.0	905.9	725.0
125°	2318.1	2486.4	2318.1	2149.8	2107.7	1820.9	1438.5	1247.3	1141.8	931.0	772.9
127.5°	2146.6	2288.6	2146.6	2004.5	1969.1	1722.8	1394.5	1230.3	1138.9	956.2	819.1
130°	2045.4	2176.7	2045.4	1914.2	1881.4	1662.2	1369.9	1223.7	1140.6	974.5	849.9
132.5°	1953.7	2071.3	1953.7	1836.2	1806.9	1610.6	1348.9	1218.1	1141.8	989.3	875.0
135°	1828.0	1929.3	1828.0	1726.7	1701.4	1537.0	1317.9	1208.4	1140.8	1005.6	904.2
137.5°	1727.2	1810.1	1727.2	1644.3	1623.6	1484.6	1299.3	1206.7	1147.8	1030.0	941.5
140°	1658.0	1735.4	1658.0	1580.5	1561.1	1441.1	1281.1	1201.1	1149.0	1044.8	966.6
142.5°	1600.7	1667.3	1600.7	1534.0	1517.3	1411.9	1271.3	1201.1	1153.1	1057.3	985.3
145°	1514.7	1565.1	1514.7	1464.3	1451.7	1365.4	1250.4	1192.9	1153.1	1073.5	1013.7
147.5°	1448.7	1490.6	1448.7	1406.9	1396.5	1328.6	1238.2	1192.9	1161.0	1097.3	1049.4
150°	1407.2	1441.1	1407.2	1373.3	1364.8	1307.5	1231.1	1192.9	1165.2	1109.7	1068.1
152.5°	1371.7	1397.3	1371.7	1346.1	1339.7	1290.8	1225.6	1192.9	1167.9	1117.8	1080.2
155°	1330.9	1347.8	1330.9	1314.0	1309.7	1270.8	1218.9	1192.9	1173.8	1135.6	1107.0
157.5°	1298.6	1310.5	1298.6	1286.7	1283.7	1253.5	1213.1	1192.9	1179.8	1153.4	1133.7
160°	1279.4	1286.2	1279.4	1272.6	1270.8	1244.8	1210.2	1192.9	1182.5	1161.6	1145.9
162.5°	1266.7	1273.3	1266.7	1260.3	1258.6	1236.7	1207.5	1192.9	1185.4	1170.2	1158.8
165°	1248.5	1255.4	1248.5	1241.7	1239.9	1224.2	1203.4	1192.9	1189.5	1182.7	1177.5
167.5°	1235.5	1238.4	1235.5	1232.5	1231.8	1221.5	1207.9	1201.1	1198.2	1192.4	1188.1
170°	1231.8	1231.8	1231.8	1231.8	1231.8	1221.5	1207.9	1201.1	1200.9	1200.5	1200.3
172.5°	1222.2	1219.7	1222.2	1224.8	1225.4	1217.3	1206.5	1201.1	1201.1	1201.1	1201.1
175°	1216.5	1216.5	1216.5	1216.5	1216.5	1211.3	1204.5	1201.1	1202.7	1205.9	1208.4
177.5°	1211.3	1208.4	1211.3	1214.1	1214.8	1210.8	1205.4	1202.7	1203.9	1206.5	1208.4
180°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4



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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°	21.0	14.6	8.1	14.6	21.0	22.7	35.7	53.0	61.7	54.8	41.1
92.5°	142.8	87.6	32.4	87.6	142.8	156.5	220.0	304.7	347.1	304.2	218.4
95°	279.7	178.8	77.9	178.8	279.7	305.0	541.4	856.9	1014.5	905.3	686.9
97.5°	312.7	223.7	134.6	223.7	312.7	334.9	729.4	1255.2	1518.1	1449.1	1311.0
100°	339.9	259.2	178.4	259.2	339.9	360.1	797.7	1381.2	1673.0	1678.1	1688.2
102.5°	366.3	291.1	215.7	291.1	366.3	385.2	829.0	1420.9	1716.9	1804.8	1980.7
105°	406.5	342.8	279.0	342.8	406.5	422.5	852.3	1425.4	1712.0	1909.1	2303.5
107.5°	462.8	403.3	343.8	403.3	462.8	477.7	856.7	1362.0	1614.7	1889.7	2439.7
110°	495.1	441.3	387.6	441.3	495.1	508.5	850.1	1305.8	1533.6	1841.0	2455.9



TEST NUMBER: P934926

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	533.0	481.8	430.6	481.8	533.0	545.8	850.5	1256.7	1459.8	1774.4	2403.8
115°	589.9	542.7	495.5	542.7	589.9	601.7	858.3	1200.4	1371.4	1674.5	2280.7
117.5°	645.3	602.5	559.6	602.5	645.3	656.0	874.2	1165.0	1310.5	1584.0	2131.2
120°	677.6	637.3	596.9	637.3	677.6	687.7	887.2	1153.2	1286.2	1536.1	2036.0
122.5°	714.8	674.1	633.4	674.1	714.8	725.0	905.9	1147.0	1267.5	1492.6	1942.8
125°	763.6	726.5	689.3	726.5	763.6	772.9	931.0	1141.8	1247.3	1438.5	1820.9
127.5°	809.8	772.3	734.8	772.3	809.8	819.1	956.2	1138.9	1230.3	1394.5	1722.8
130°	839.8	799.5	759.1	799.5	839.8	849.9	974.5	1140.6	1223.7	1369.9	1662.2
132.5°	864.9	824.6	784.2	824.6	864.9	875.0	989.3	1141.8	1218.1	1348.9	1610.6
135°	895.1	858.3	821.5	858.3	895.1	904.2	1005.6	1140.8	1208.4	1317.9	1537.0
137.5°	932.5	896.0	859.7	896.0	932.5	941.5	1030.0	1147.8	1206.7	1299.3	1484.6
140°	958.3	924.7	891.2	924.7	958.3	966.6	1044.8	1149.0	1201.1	1281.1	1441.1
142.5°	977.6	946.6	915.5	946.6	977.6	985.3	1057.3	1153.1	1201.1	1271.3	1411.9
145°	1006.9	979.9	952.9	979.9	1006.9	1013.7	1073.5	1153.1	1192.9	1250.4	1365.4
147.5°	1042.9	1016.5	990.2	1016.5	1042.9	1049.4	1097.3	1161.0	1192.9	1238.2	1328.6
150°	1062.1	1038.3	1014.5	1038.3	1062.1	1068.1	1109.7	1165.2	1192.9	1231.1	1307.5
152.5°	1075.7	1057.7	1039.6	1057.7	1075.7	1080.2	1117.8	1167.9	1192.9	1225.6	1290.8
155°	1103.6	1090.3	1077.0	1090.3	1103.6	1107.0	1135.6	1173.8	1192.9	1218.9	1270.8
157.5°	1130.5	1117.5	1104.5	1117.5	1130.5	1133.7	1153.4	1179.8	1192.9	1213.1	1253.5
160°	1143.4	1133.3	1123.2	1133.3	1143.4	1145.9	1161.6	1182.5	1192.9	1210.2	1244.8
162.5°	1156.9	1149.4	1141.8	1149.4	1156.9	1158.8	1170.2	1185.4	1192.9	1207.5	1236.7
165°	1175.8	1169.0	1162.2	1169.0	1175.8	1177.5	1182.7	1189.5	1192.9	1203.4	1224.2
167.5°	1187.3	1184.0	1180.7	1184.0	1187.3	1188.1	1192.4	1198.2	1201.1	1207.9	1221.5
170°	1199.5	1196.2	1192.9	1196.2	1199.5	1200.3	1200.5	1200.9	1201.1	1207.9	1221.5
172.5°	1200.9	1200.1	1199.4	1200.1	1200.9	1201.1	1201.1	1201.1	1201.1	1206.5	1217.3
175°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1205.9	1202.7	1201.1	1204.5	1211.3
177.5°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1206.5	1203.9	1202.7	1205.4	1210.8
180°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4



TEST NUMBER: P934926

CATALOG NUMBER: SQ4-FA-075U-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°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	41.1	54.8	61.7	53.0
92.5°	154.1	148.0	123.5	99.0	123.5	148.0	154.1	218.4	304.2	347.1	304.7
95°	523.0	504.5	430.3	356.1	430.3	504.5	523.0	686.9	905.3	1014.5	856.9
97.5°	1207.5	1172.2	1030.9	889.6	1030.9	1172.2	1207.5	1311.0	1449.1	1518.1	1255.2
100°	1695.8	1653.6	1485.3	1317.0	1485.3	1653.6	1695.8	1688.2	1678.1	1673.0	1381.2
102.5°	2112.6	2076.6	1932.3	1788.2	1932.3	2076.6	2112.6	1980.7	1804.8	1716.9	1420.9
105°	2599.2	2579.8	2502.3	2424.8	2502.3	2579.8	2599.2	2303.5	1909.1	1712.0	1425.4
107.5°	2852.2	2856.9	2875.6	2894.4	2875.6	2856.9	2852.2	2439.7	1889.7	1614.7	1362.0
110°	2917.0	2937.2	3017.9	3098.7	3017.9	2937.2	2917.0	2455.9	1841.0	1533.6	1305.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2875.7	2906.7	3030.7	3154.7	3030.7	2906.7	2875.7	2403.8	1774.4	1459.8	1256.7
115°	2735.4	2778.4	2950.3	3122.2	2950.3	2778.4	2735.4	2280.7	1674.5	1371.4	1200.4
117.5°	2541.5	2589.2	2779.9	2970.6	2779.9	2589.2	2541.5	2131.2	1584.0	1310.5	1165.0
120°	2411.0	2457.3	2642.6	2827.8	2642.6	2457.3	2411.0	2036.0	1536.1	1286.2	1153.2
122.5°	2280.5	2326.2	2508.8	2691.6	2508.8	2326.2	2280.5	1942.8	1492.6	1267.5	1147.0
125°	2107.7	2149.8	2318.1	2486.4	2318.1	2149.8	2107.7	1820.9	1438.5	1247.3	1141.8
127.5°	1969.1	2004.5	2146.6	2288.6	2146.6	2004.5	1969.1	1722.8	1394.5	1230.3	1138.9
130°	1881.4	1914.2	2045.4	2176.7	2045.4	1914.2	1881.4	1662.2	1369.9	1223.7	1140.6
132.5°	1806.9	1836.2	1953.7	2071.3	1953.7	1836.2	1806.9	1610.6	1348.9	1218.1	1141.8
135°	1701.4	1726.7	1828.0	1929.3	1828.0	1726.7	1701.4	1537.0	1317.9	1208.4	1140.8
137.5°	1623.6	1644.3	1727.2	1810.1	1727.2	1644.3	1623.6	1484.6	1299.3	1206.7	1147.8
140°	1561.1	1580.5	1658.0	1735.4	1658.0	1580.5	1561.1	1441.1	1281.1	1201.1	1149.0
142.5°	1517.3	1534.0	1600.7	1667.3	1600.7	1534.0	1517.3	1411.9	1271.3	1201.1	1153.1
145°	1451.7	1464.3	1514.7	1565.1	1514.7	1464.3	1451.7	1365.4	1250.4	1192.9	1153.1
147.5°	1396.5	1406.9	1448.7	1490.6	1448.7	1406.9	1396.5	1328.6	1238.2	1192.9	1161.0
150°	1364.8	1373.3	1407.2	1441.1	1407.2	1373.3	1364.8	1307.5	1231.1	1192.9	1165.2
152.5°	1339.7	1346.1	1371.7	1397.3	1371.7	1346.1	1339.7	1290.8	1225.6	1192.9	1167.9
155°	1309.7	1314.0	1330.9	1347.8	1330.9	1314.0	1309.7	1270.8	1218.9	1192.9	1173.8
157.5°	1283.7	1286.7	1298.6	1310.5	1298.6	1286.7	1283.7	1253.5	1213.1	1192.9	1179.8
160°	1270.8	1272.6	1279.4	1286.2	1279.4	1272.6	1270.8	1244.8	1210.2	1192.9	1182.5
162.5°	1258.6	1260.3	1266.7	1273.3	1266.7	1260.3	1258.6	1236.7	1207.5	1192.9	1185.4
165°	1239.9	1241.7	1248.5	1255.4	1248.5	1241.7	1239.9	1224.2	1203.4	1192.9	1189.5
167.5°	1231.8	1232.5	1235.5	1238.4	1235.5	1232.5	1231.8	1221.5	1207.9	1201.1	1198.2
170°	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1221.5	1207.9	1201.1	1200.9
172.5°	1225.4	1224.8	1222.2	1219.7	1222.2	1224.8	1225.4	1217.3	1206.5	1201.1	1201.1
175°	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1211.3	1204.5	1201.1	1202.7
177.5°	1214.8	1214.1	1211.3	1208.4	1211.3	1214.1	1214.8	1210.8	1205.4	1202.7	1203.9
180°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4



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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°	35.7	22.7	21.0	14.6	8.1
92.5°	220.0	156.5	142.8	87.6	32.4
95°	541.4	305.0	279.7	178.8	77.9
97.5°	729.4	334.9	312.7	223.7	134.6
100°	797.7	360.1	339.9	259.2	178.4
102.5°	829.0	385.2	366.3	291.1	215.7
105°	852.3	422.5	406.5	342.8	279.0
107.5°	856.7	477.7	462.8	403.3	343.8
110°	850.1	508.5	495.1	441.3	387.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	850.5	545.8	533.0	481.8	430.6
115°	858.3	601.7	589.9	542.7	495.5
117.5°	874.2	656.0	645.3	602.5	559.6
120°	887.2	687.7	677.6	637.3	596.9
122.5°	905.9	725.0	714.8	674.1	633.4
125°	931.0	772.9	763.6	726.5	689.3
127.5°	956.2	819.1	809.8	772.3	734.8
130°	974.5	849.9	839.8	799.5	759.1
132.5°	989.3	875.0	864.9	824.6	784.2
135°	1005.6	904.2	895.1	858.3	821.5
137.5°	1030.0	941.5	932.5	896.0	859.7
140°	1044.8	966.6	958.3	924.7	891.2
142.5°	1057.3	985.3	977.6	946.6	915.5
145°	1073.5	1013.7	1006.9	979.9	952.9
147.5°	1097.3	1049.4	1042.9	1016.5	990.2
150°	1109.7	1068.1	1062.1	1038.3	1014.5
152.5°	1117.8	1080.2	1075.7	1057.7	1039.6
155°	1135.6	1107.0	1103.6	1090.3	1077.0
157.5°	1153.4	1133.7	1130.5	1117.5	1104.5
160°	1161.6	1145.9	1143.4	1133.3	1123.2
162.5°	1170.2	1158.8	1156.9	1149.4	1141.8
165°	1182.7	1177.5	1175.8	1169.0	1162.2
167.5°	1192.4	1188.1	1187.3	1184.0	1180.7
170°	1200.5	1200.3	1199.5	1196.2	1192.9
172.5°	1201.1	1201.1	1200.9	1200.1	1199.4
175°	1205.9	1208.4	1208.4	1208.4	1208.4
177.5°	1206.5	1208.4	1208.4	1208.4	1208.4
180°	1208.4	1208.4	1208.4	1208.4	1208.4



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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	15.04	16.00	15.89	16.88	17.99	17.89	18.85	18.75	19.73	20.84
	3H	15.52	16.39	16.39	17.28	18.41	19.25	20.11	20.12	21.00	22.14
	4H	15.72	16.54	16.60	17.43	18.58	19.70	20.52	20.59	21.42	22.56
	6H	15.84	16.60	16.74	17.50	18.66	20.00	20.75	20.90	21.65	22.81
	8H	15.84	16.56	16.75	17.48	18.64	20.08	20.80	20.98	21.72	22.87
	12H	15.82	16.50	16.73	17.42	18.60	20.12	20.81	21.04	21.72	22.90
4H	2H	16.09	16.91	16.98	17.80	18.95	18.31	19.13	19.20	20.02	21.17
	3H	17.12	17.81	18.03	18.73	19.89	19.83	20.51	20.73	21.44	22.60
	4H	17.40	18.03	18.32	18.95	20.14	20.37	20.99	21.28	21.91	23.10
	6H	17.53	18.07	18.46	19.02	20.21	20.74	21.28	21.67	22.23	23.42
	8H	17.54	18.04	18.47	18.99	20.19	20.86	21.36	21.79	22.30	23.50
	12H	17.51	17.97	18.47	18.93	20.13	20.92	21.37	21.87	22.33	23.54
8H	4H	17.87	18.37	18.80	19.31	20.51	20.50	21.00	21.43	21.94	23.14
	6H	18.14	18.55	19.09	19.53	20.73	20.95	21.36	21.90	22.34	23.54
	8H	18.18	18.55	19.15	19.52	20.74	21.10	21.47	22.07	22.44	23.66
	12H	18.17	18.49	19.14	19.46	20.72	21.21	21.53	22.18	22.50	23.77
12H	4H	17.88	18.33	18.83	19.29	20.50	20.47	20.92	21.42	21.88	23.09
	6H	18.20	18.57	19.16	19.54	20.76	20.94	21.31	21.91	22.28	23.50
	8H	18.27	18.59	19.24	19.56	20.83	21.11	21.44	22.08	22.40	23.67