

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: P935316

Luminaire Tested: SQ4-FA-100U-125D-835-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935316
REPORT IS A COMBINATION OF REPORTS P933752 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-835-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

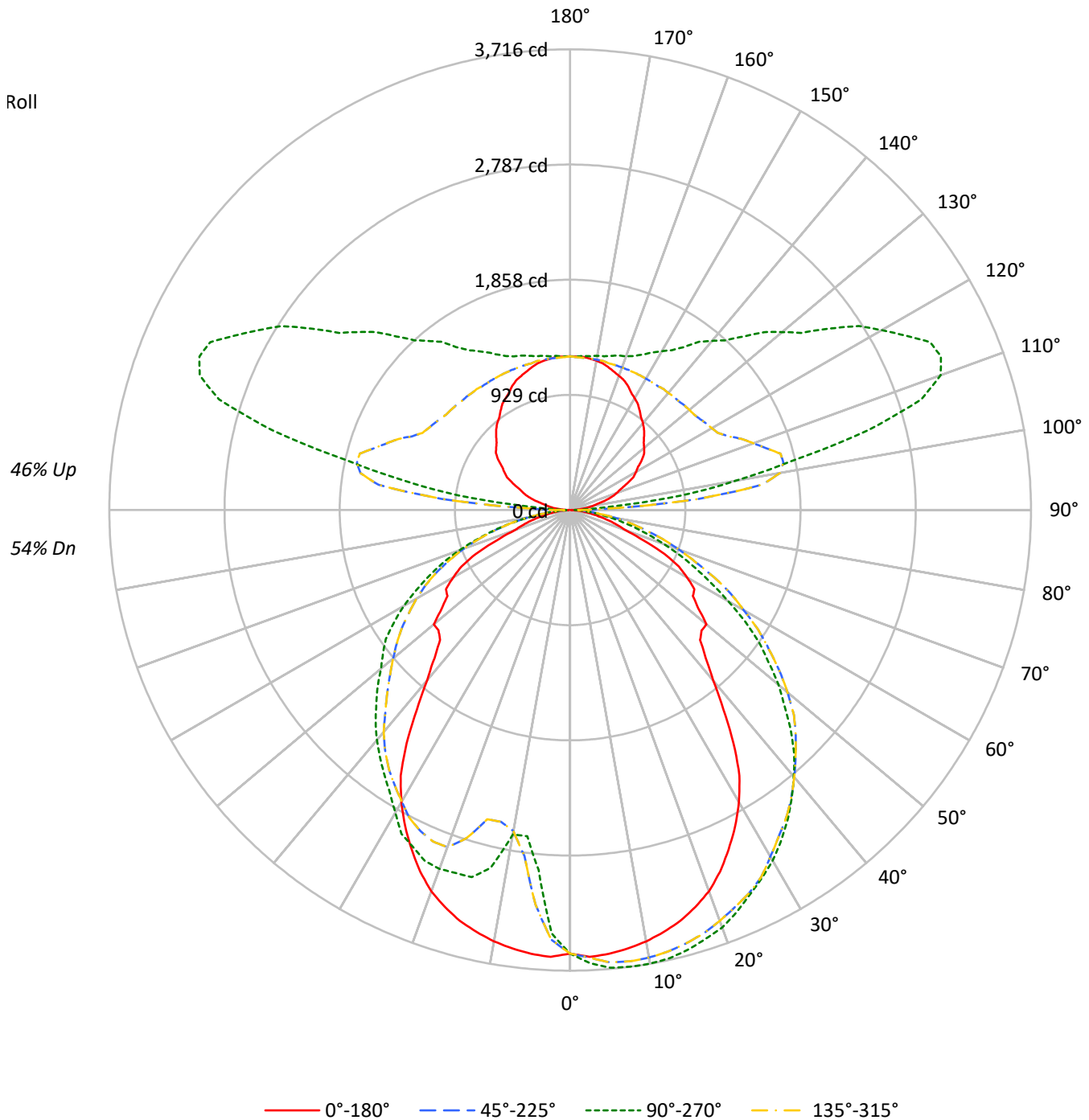
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17315.0 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 137.6
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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54				54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45				45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38				38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32				32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28				28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24				24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21				21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19				19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17				17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15				15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13				13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16597	16597	16597	16597
5°	16721	16754	16721	13174
10°	16609	16503	16609	11799
15°	16428	16145	16428	13482
20°	16085	15722	16085	13510
25°	15382	15104	15382	13224
30°	14473	14591	14473	12595
35°	12902	13943	12902	11905
40°	10751	13179	10751	11382
45°	9606	12285	9606	10782
50°	10205	11219	10205	10180
55°	9602	10070	9602	9832
60°	9897	8553	9897	9005
65°	8974	7070	8974	7903
70°	6214	5634	6214	6625
75°	5448	4165	5448	4987
80°	4391	2754	4391	2999
85°	2520	1459	2520	1240

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14723 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.9	1.9
10°-20°	916.8	5.3
20°-30°	1417.2	8.2
30°-40°	1691.9	9.8
40°-50°	1701.8	9.8
50°-60°	1480.8	8.6
60°-70°	1049.9	6.1
70°-80°	555.5	3.2
80°-90°	143.1	0.8
90°-100°	604.2	3.5
100°-110°	1588.5	9.2
110°-120°	1647.1	9.5
120°-130°	1321.2	7.6
130°-140°	1036.6	6.0
140°-150°	795.7	4.6
150°-160°	573.0	3.3
160°-170°	350.6	2.0
170°-180°	118.4	0.7
0°-30°	2656.9	15.3
0°-40°	4348.8	25.1
0°-60°	7531.3	43.5
0°-90°	9279.7	53.6
90°-120°	3839.8	22.2
90°-150°	6993.2	40.4
90°-180°	8035.0	46.4
0°-180°	17315.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3577	3577	3577	3577	3577	
5°	3594	3706	3594	2914	3594	341
15°	3432	3672	3432	3066	3432	966
25°	3022	3425	3022	2998	3022	1388
35°	2298	3056	2298	2609	2298	1422
45°	1482	2518	1482	2210	1482	1187
55°	1208	1858	1208	1814	1208	1110
65°	839	1120	839	1252	839	802
75°	318	531	318	636	318	334
85°	54	135	54	115	54	73
90°	8	32	8	32	8	9
95°	80	365	80	365	80	89
105°	286	2487	286	2487	286	303
115°	508	3203	508	3203	508	502
125°	707	2551	707	2551	707	628
135°	843	1979	843	1979	843	652
145°	978	1606	978	1606	978	612
155°	1105	1383	1105	1383	1105	508
165°	1192	1288	1192	1288	1192	336
175°	1240	1248	1240	1248	1240	118
180°	1240	1240	1240	1240	1240	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2
2.5°	3607.6	3607.6	3627.9	3634.7	3634.7	3624.6	3614.4	3624.6	3655.0	3665.2	3661.8
5°	3594.1	3621.2	3658.4	3665.2	3671.9	3668.6	3661.8	3668.6	3702.4	3709.2	3712.6
7.5°	3567.0	3617.8	3665.2	3675.3	3685.5	3675.3	3671.9	3678.7	3712.6	3719.3	3719.3
10°	3533.2	3604.3	3658.4	3665.2	3675.3	3665.2	3665.2	3678.7	3712.6	3719.3	3722.7
12.5°	3485.8	3583.9	3634.7	3641.5	3655.0	3651.6	3648.3	3661.8	3695.6	3702.4	3702.4
15°	3431.7	3546.7	3594.1	3600.9	3624.6	3617.8	3617.8	3631.3	3668.6	3678.7	3675.3
17.5°	3357.2	3499.3	3553.5	3563.6	3580.6	3577.2	3580.6	3594.1	3627.9	3634.7	3638.1
20°	3272.6	3435.0	3499.3	3509.5	3526.4	3526.4	3526.4	3543.3	3577.2	3590.7	3590.7
22.5°	3157.5	3367.4	3435.0	3441.8	3462.1	3462.1	3468.9	3492.6	3523.0	3526.4	3526.4
25°	3022.2	3292.9	3350.4	3370.7	3391.0	3401.2	3411.4	3424.9	3435.0	3431.7	3435.0
27.5°	2880.0	3198.1	3272.6	3286.1	3313.2	3323.4	3336.9	3340.3	3343.7	3353.8	3347.0
30°	2721.0	3066.2	3177.8	3191.4	3235.4	3242.1	3228.6	3235.4	3252.3	3259.1	3265.8
32.5°	2541.6	2869.9	3079.7	3110.2	3150.8	3130.5	3127.1	3137.2	3164.3	3164.3	3171.1
35°	2297.9	2717.6	2988.3	3015.4	3045.8	3022.2	3035.7	3039.1	3056.0	3066.2	3062.8
37.5°	2030.6	2585.6	2893.6	2913.9	2937.6	2907.1	2927.4	2937.6	2951.1	2944.3	2944.3
40°	1793.7	2379.1	2781.9	2795.4	2815.7	2792.0	2812.3	2819.1	2825.9	2819.1	2815.7
42.5°	1617.7	2152.4	2663.4	2680.3	2666.8	2683.7	2690.5	2704.0	2693.9	2680.3	2680.3
45°	1482.3	2091.5	2534.8	2555.1	2534.8	2561.9	2572.1	2572.1	2541.6	2534.8	2531.4
47.5°	1438.3	1969.6	2406.2	2406.2	2396.1	2429.9	2446.8	2423.1	2392.7	2382.5	2382.5
50°	1434.9	1834.3	2230.2	2216.7	2264.1	2304.7	2287.8	2264.1	2240.4	2203.2	2203.2
52.5°	1302.9	1668.4	2003.5	2054.3	2128.7	2152.4	2125.3	2101.6	2061.0	2044.1	2030.6
55°	1208.2	1495.9	1797.1	1898.6	1976.4	2006.9	1956.1	1932.4	1871.5	1861.4	1854.6
57.5°	1187.9	1245.4	1607.5	1736.1	1830.9	1827.5	1797.1	1753.1	1702.3	1692.1	1688.8
60°	1089.7	900.2	1404.5	1556.8	1654.9	1644.8	1617.7	1577.1	1529.7	1522.9	1516.2
62.5°	988.2	653.2	1174.3	1346.9	1485.7	1482.3	1458.6	1397.7	1363.9	1346.9	1333.4
65°	839.3	548.3	835.9	1120.2	1319.9	1326.6	1275.9	1231.9	1194.6	1174.3	1171.0
67.5°	639.6	446.7	565.2	934.1	1160.8	1154.0	1089.7	1069.4	1022.1	1011.9	991.6
70°	473.8	297.8	392.6	758.1	1005.1	988.2	937.4	913.8	869.8	846.1	832.5
72.5°	392.6	240.3	287.7	588.9	846.1	825.8	781.8	754.7	717.5	697.2	683.6
75°	318.1	253.8	220.0	436.6	687.0	673.5	632.9	605.8	575.3	548.3	551.6
77.5°	233.5	236.9	176.0	321.5	544.9	524.6	500.9	467.0	453.5	426.4	426.4
80°	176.0	186.1	132.0	220.0	392.6	392.6	372.3	348.6	324.9	311.4	311.4
82.5°	118.4	118.4	98.1	138.8	267.4	257.2	243.7	236.9	223.4	216.6	216.6
85°	54.1	67.7	60.9	84.6	145.5	152.3	152.3	145.5	142.1	135.4	138.8
87.5°	16.9	30.5	37.2	47.4	74.5	77.8	81.2	81.2	81.2	84.6	84.6
90°	8.3	15.0	21.6	23.3	36.6	54.3	63.2	56.2	42.1	31.6	31.6
92.5°	33.3	89.9	146.5	160.6	225.7	312.6	356.0	312.0	224.1	158.1	151.8
95°	79.9	183.4	286.9	312.8	555.4	878.9	1040.7	928.7	704.6	536.6	517.6
97.5°	138.1	229.4	320.8	343.6	748.2	1287.6	1557.3	1486.5	1344.9	1238.7	1202.5
100°	183.0	265.8	348.7	369.4	818.3	1416.9	1716.2	1721.4	1731.7	1739.5	1696.3
102.5°	221.3	298.5	375.8	395.1	850.4	1457.5	1761.1	1851.3	2031.8	2167.1	2130.1
105°	286.2	351.6	417.0	433.4	874.3	1462.2	1756.1	1958.3	2362.8	2666.2	2646.3
107.5°	352.7	413.7	474.7	490.0	878.8	1397.1	1656.3	1938.4	2502.6	2925.7	2930.5
110°	397.6	452.7	507.8	521.6	872.1	1339.4	1573.1	1888.5	2519.2	2992.3	3013.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	441.7	494.2	546.8	559.9	872.4	1289.1	1497.4	1820.2	2465.7	2949.9	2981.7
115°	508.3	556.7	605.2	617.3	880.4	1231.3	1406.7	1717.7	2339.6	2806.0	2850.1
117.5°	574.0	618.0	662.0	673.0	896.8	1195.1	1344.3	1624.9	2186.2	2607.1	2656.0
120°	612.3	653.7	695.1	705.4	910.1	1183.0	1319.4	1575.8	2088.6	2473.2	2520.7
122.5°	649.7	691.5	733.3	743.7	929.2	1176.5	1300.2	1531.1	1992.9	2339.3	2386.2
125°	707.1	745.2	783.3	792.8	955.0	1171.3	1279.4	1475.6	1867.9	2162.1	2205.3
127.5°	753.7	792.1	830.6	840.2	980.8	1168.3	1262.0	1430.4	1767.2	2019.8	2056.2
130°	778.6	820.0	861.4	871.8	999.6	1170.1	1255.3	1405.2	1705.1	1930.0	1963.6
132.5°	804.4	845.8	887.2	897.6	1014.9	1171.3	1249.5	1383.7	1652.1	1853.4	1883.5
135°	842.7	880.4	918.2	927.6	1031.6	1170.2	1239.5	1351.9	1576.7	1745.3	1771.3
137.5°	881.8	919.1	956.5	965.8	1056.5	1177.4	1237.8	1332.8	1522.9	1665.4	1686.7
140°	914.2	948.6	983.0	991.6	1071.7	1178.6	1232.0	1314.1	1478.3	1601.4	1621.3
142.5°	939.2	971.0	1002.8	1010.7	1084.5	1182.8	1232.0	1304.1	1448.3	1556.5	1573.6
145°	977.5	1005.2	1033.0	1039.9	1101.2	1182.9	1223.7	1282.7	1400.6	1489.1	1502.0
147.5°	1015.7	1042.7	1069.7	1076.5	1125.6	1191.0	1223.7	1270.1	1362.9	1432.5	1443.2
150°	1040.7	1065.1	1089.5	1095.6	1138.3	1195.2	1223.7	1262.9	1341.3	1400.1	1408.8
152.5°	1066.5	1085.0	1103.5	1108.1	1146.6	1198.0	1223.7	1257.2	1324.1	1374.3	1380.9
155°	1104.7	1118.4	1132.1	1135.5	1164.9	1204.1	1223.7	1250.3	1303.6	1343.5	1347.8
157.5°	1133.0	1146.3	1159.7	1163.0	1183.2	1210.2	1223.7	1244.4	1285.8	1316.9	1319.9
160°	1152.2	1162.6	1172.9	1175.5	1191.6	1213.0	1223.7	1241.5	1277.0	1303.6	1305.4
162.5°	1171.3	1179.1	1186.9	1188.8	1200.4	1215.9	1223.7	1238.7	1268.6	1291.1	1292.8
165°	1192.1	1199.1	1206.1	1207.9	1213.2	1220.2	1223.7	1234.4	1255.9	1272.0	1273.8
167.5°	1211.2	1214.5	1217.9	1218.7	1223.1	1229.0	1232.0	1239.0	1253.1	1263.6	1264.3
170°	1223.7	1227.0	1230.4	1231.2	1231.5	1231.8	1232.0	1239.0	1253.1	1263.6	1263.6
172.5°	1230.4	1231.1	1231.8	1232.0	1232.0	1232.0	1232.0	1237.6	1248.7	1257.0	1256.4
175°	1239.5	1239.5	1239.5	1239.5	1237.0	1233.7	1232.0	1235.5	1242.5	1247.8	1247.8
177.5°	1239.5	1239.5	1239.5	1239.5	1237.6	1235.0	1233.7	1236.5	1242.0	1246.2	1245.5
180°	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2
2.5°	3668.6	3658.4	3668.6	3661.8	3665.2	3655.0	3624.6	3614.4	3624.6	3634.7	3634.7
5°	3712.6	3705.8	3712.6	3712.6	3709.2	3702.4	3668.6	3661.8	3668.6	3671.9	3665.2
7.5°	3726.1	3715.9	3726.1	3719.3	3719.3	3712.6	3678.7	3671.9	3675.3	3685.5	3675.3
10°	3726.1	3715.9	3726.1	3722.7	3719.3	3712.6	3678.7	3665.2	3665.2	3675.3	3665.2
12.5°	3709.2	3702.4	3709.2	3702.4	3702.4	3695.6	3661.8	3648.3	3651.6	3655.0	3641.5
15°	3682.1	3671.9	3682.1	3675.3	3678.7	3668.6	3631.3	3617.8	3617.8	3624.6	3600.9
17.5°	3641.5	3627.9	3641.5	3638.1	3634.7	3627.9	3594.1	3580.6	3577.2	3580.6	3563.6
20°	3594.1	3583.9	3594.1	3590.7	3590.7	3577.2	3543.3	3526.4	3526.4	3526.4	3509.5
22.5°	3519.6	3509.5	3519.6	3526.4	3526.4	3523.0	3492.6	3468.9	3462.1	3462.1	3441.8
25°	3435.0	3424.9	3435.0	3435.0	3431.7	3435.0	3424.9	3411.4	3401.2	3391.0	3370.7
27.5°	3353.8	3347.0	3353.8	3347.0	3353.8	3343.7	3340.3	3336.9	3323.4	3313.2	3286.1
30°	3272.6	3265.8	3272.6	3265.8	3259.1	3252.3	3235.4	3228.6	3242.1	3235.4	3191.4
32.5°	3171.1	3164.3	3171.1	3171.1	3164.3	3164.3	3137.2	3127.1	3130.5	3150.8	3110.2
35°	3066.2	3056.0	3066.2	3062.8	3066.2	3056.0	3039.1	3035.7	3022.2	3045.8	3015.4
37.5°	2944.3	2934.2	2944.3	2944.3	2944.3	2951.1	2937.6	2927.4	2907.1	2937.6	2913.9
40°	2819.1	2805.6	2819.1	2815.7	2819.1	2825.9	2819.1	2812.3	2792.0	2815.7	2795.4
42.5°	2677.0	2673.6	2677.0	2680.3	2680.3	2693.9	2704.0	2690.5	2683.7	2666.8	2680.3
45°	2524.7	2517.9	2524.7	2531.4	2534.8	2541.6	2572.1	2572.1	2561.9	2534.8	2555.1
47.5°	2362.2	2345.3	2362.2	2382.5	2382.5	2392.7	2423.1	2446.8	2429.9	2396.1	2406.2
50°	2189.6	2193.0	2189.6	2203.2	2203.2	2240.4	2264.1	2287.8	2304.7	2264.1	2216.7
52.5°	2020.4	2017.0	2020.4	2030.6	2044.1	2061.0	2101.6	2125.3	2152.4	2128.7	2054.3
55°	1851.2	1858.0	1851.2	1854.6	1861.4	1871.5	1932.4	1956.1	2006.9	1976.4	1898.6
57.5°	1682.0	1671.8	1682.0	1688.8	1692.1	1702.3	1753.1	1797.1	1827.5	1830.9	1736.1
60°	1485.7	1472.2	1485.7	1516.2	1522.9	1529.7	1577.1	1617.7	1644.8	1654.9	1556.8
62.5°	1313.1	1289.4	1313.1	1333.4	1346.9	1363.9	1397.7	1458.6	1482.3	1485.7	1346.9
65°	1130.3	1120.2	1130.3	1171.0	1174.3	1194.6	1231.9	1275.9	1326.6	1319.9	1120.2
67.5°	964.5	964.5	964.5	991.6	1011.9	1022.1	1069.4	1089.7	1154.0	1160.8	934.1
70°	812.2	808.8	812.2	832.5	846.1	869.8	913.8	937.4	988.2	1005.1	758.1
72.5°	666.7	663.3	666.7	683.6	697.2	717.5	754.7	781.8	825.8	846.1	588.9
75°	538.1	531.3	538.1	551.6	548.3	575.3	605.8	632.9	673.5	687.0	436.6
77.5°	412.9	412.9	412.9	426.4	426.4	453.5	467.0	500.9	524.6	544.9	321.5
80°	308.0	304.6	308.0	311.4	311.4	324.9	348.6	372.3	392.6	392.6	220.0
82.5°	216.6	209.8	216.6	216.6	216.6	223.4	236.9	243.7	257.2	267.4	138.8
85°	135.4	135.4	135.4	138.8	135.4	142.1	145.5	152.3	152.3	145.5	84.6
87.5°	88.0	84.6	88.0	84.6	84.6	81.2	81.2	81.2	77.8	74.5	47.4
90°	31.6	31.6	31.6	31.6	31.6	42.1	56.2	63.2	54.3	36.6	23.3
92.5°	126.7	101.5	126.7	151.8	158.1	224.1	312.0	356.0	312.6	225.7	160.6
95°	441.4	365.2	441.4	517.6	536.6	704.6	928.7	1040.7	878.9	555.4	312.8
97.5°	1057.5	912.6	1057.5	1202.5	1238.7	1344.9	1486.5	1557.3	1287.6	748.2	343.6
100°	1523.7	1351.0	1523.7	1696.3	1739.5	1731.7	1721.4	1716.2	1416.9	818.3	369.4
102.5°	1982.2	1834.3	1982.2	2130.1	2167.1	2031.8	1851.3	1761.1	1457.5	850.4	395.1
105°	2566.8	2487.3	2566.8	2646.3	2666.2	2362.8	1958.3	1756.1	1462.2	874.3	433.4
107.5°	2949.8	2969.0	2949.8	2930.5	2925.7	2502.6	1938.4	1656.3	1397.1	878.8	490.0
110°	3095.8	3178.6	3095.8	3013.0	2992.3	2519.2	1888.5	1573.1	1339.4	872.1	521.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3108.8	3236.0	3108.8	2981.7	2949.9	2465.7	1820.2	1497.4	1289.1	872.4	559.9
115°	3026.4	3202.8	3026.4	2850.1	2806.0	2339.6	1717.7	1406.7	1231.3	880.4	617.3
117.5°	2851.6	3047.2	2851.6	2656.0	2607.1	2186.2	1624.9	1344.3	1195.1	896.8	673.0
120°	2710.8	2900.8	2710.8	2520.7	2473.2	2088.6	1575.8	1319.4	1183.0	910.1	705.4
122.5°	2573.6	2761.0	2573.6	2386.2	2339.3	1992.9	1531.1	1300.2	1176.5	929.2	743.7
125°	2377.9	2550.6	2377.9	2205.3	2162.1	1867.9	1475.6	1279.4	1171.3	955.0	792.8
127.5°	2201.9	2347.6	2201.9	2056.2	2019.8	1767.2	1430.4	1262.0	1168.3	980.8	840.2
130°	2098.2	2232.8	2098.2	1963.6	1930.0	1705.1	1405.2	1255.3	1170.1	999.6	871.8
132.5°	2004.1	2124.6	2004.1	1883.5	1853.4	1652.1	1383.7	1249.5	1171.3	1014.9	897.6
135°	1875.2	1979.1	1875.2	1771.3	1745.3	1576.7	1351.9	1239.5	1170.2	1031.6	927.6
137.5°	1771.7	1856.8	1771.7	1686.7	1665.4	1522.9	1332.8	1237.8	1177.4	1056.5	965.8
140°	1700.7	1780.2	1700.7	1621.3	1601.4	1478.3	1314.1	1232.0	1178.6	1071.7	991.6
142.5°	1642.0	1710.4	1642.0	1573.6	1556.5	1448.3	1304.1	1232.0	1182.8	1084.5	1010.7
145°	1553.8	1605.5	1553.8	1502.0	1489.1	1400.6	1282.7	1223.7	1182.9	1101.2	1039.9
147.5°	1486.1	1529.0	1486.1	1443.2	1432.5	1362.9	1270.1	1223.7	1191.0	1125.6	1076.5
150°	1443.5	1478.3	1443.5	1408.8	1400.1	1341.3	1262.9	1223.7	1195.2	1138.3	1095.6
152.5°	1407.1	1433.3	1407.1	1380.9	1374.3	1324.1	1257.2	1223.7	1198.0	1146.6	1108.1
155°	1365.2	1382.6	1365.2	1347.8	1343.5	1303.6	1250.3	1223.7	1204.1	1164.9	1135.5
157.5°	1332.1	1344.3	1332.1	1319.9	1316.9	1285.8	1244.4	1223.7	1210.2	1183.2	1163.0
160°	1312.4	1319.4	1312.4	1305.4	1303.6	1277.0	1241.5	1223.7	1213.0	1191.6	1175.5
162.5°	1299.4	1306.1	1299.4	1292.8	1291.1	1268.6	1238.7	1223.7	1215.9	1200.4	1188.8
165°	1280.8	1287.8	1280.8	1273.8	1272.0	1255.9	1234.4	1223.7	1220.2	1213.2	1207.9
167.5°	1267.3	1270.3	1267.3	1264.3	1263.6	1253.1	1239.0	1232.0	1229.0	1223.1	1218.7
170°	1263.6	1263.6	1263.6	1263.6	1263.6	1253.1	1239.0	1232.0	1231.8	1231.5	1231.2
172.5°	1253.8	1251.2	1253.8	1256.4	1257.0	1248.7	1237.6	1232.0	1232.0	1232.0	1232.0
175°	1247.8	1247.8	1247.8	1247.8	1247.8	1242.5	1235.5	1232.0	1233.7	1237.0	1239.5
177.5°	1242.5	1239.5	1242.5	1245.5	1246.2	1242.0	1236.5	1233.7	1235.0	1237.6	1239.5
180°	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2
2.5°	3627.9	3607.6	3607.6	3573.8	3560.3	3550.1	3533.2	3482.4	3468.9	3455.3	3475.7
5°	3658.4	3621.2	3594.1	3533.2	3482.4	3462.1	3397.8	3276.0	3194.8	3133.8	3100.0
7.5°	3665.2	3617.8	3567.0	3472.3	3350.4	3296.3	3100.0	2876.6	2815.7	2761.6	2727.7
10°	3658.4	3604.3	3533.2	3391.0	3103.4	3008.6	2812.3	2666.8	2629.6	2619.4	2629.6
12.5°	3634.7	3583.9	3485.8	3248.9	2846.2	2781.9	2666.8	2582.2	2575.4	2592.4	2683.7
15°	3594.1	3546.7	3431.7	3059.4	2704.0	2656.7	2575.4	2545.0	2582.2	2700.7	2974.8
17.5°	3553.5	3499.3	3357.2	2873.3	2595.7	2561.9	2504.4	2565.3	2775.1	2934.2	3025.5
20°	3499.3	3435.0	3272.6	2737.9	2517.9	2487.4	2460.4	2734.5	2893.6	2951.1	3001.9
22.5°	3435.0	3367.4	3157.5	2643.1	2436.7	2413.0	2429.9	2829.3	2893.6	2934.2	2978.2
25°	3350.4	3292.9	3022.2	2568.7	2372.4	2345.3	2409.6	2819.1	2856.3	2866.5	2954.5
27.5°	3272.6	3198.1	2880.0	2501.0	2294.5	2284.4	2426.5	2775.1	2802.2	2812.3	2907.1
30°	3177.8	3066.2	2721.0	2429.9	2213.3	2209.9	2429.9	2721.0	2714.2	2741.3	2836.0
32.5°	3079.7	2869.9	2541.6	2341.9	2135.5	2132.1	2406.2	2639.7	2633.0	2670.2	2741.3
35°	2988.3	2717.6	2297.9	2240.4	2037.3	2040.7	2348.7	2545.0	2548.4	2582.2	2626.2
37.5°	2893.6	2585.6	2030.6	2128.7	1942.6	1942.6	2270.8	2457.0	2450.2	2460.4	2521.3
40°	2781.9	2379.1	1793.7	1983.2	1854.6	1844.4	2176.1	2362.2	2338.5	2335.2	2419.8
42.5°	2663.4	2152.4	1617.7	1790.3	1753.1	1739.5	2061.0	2247.2	2203.2	2213.3	2321.6
45°	2534.8	2091.5	1482.3	1512.8	1648.1	1638.0	1935.8	2115.2	2084.7	2111.8	2223.5
47.5°	2406.2	1969.6	1438.3	1255.6	1536.5	1533.1	1797.1	1986.6	1969.6	1996.7	2115.2
50°	2230.2	1834.3	1434.9	1076.2	1411.2	1424.8	1631.2	1861.4	1861.4	1885.0	2010.3
52.5°	2003.5	1668.4	1302.9	974.7	1265.7	1306.3	1485.7	1753.1	1759.8	1783.5	1895.2
55°	1797.1	1495.9	1208.2	896.8	1093.1	1181.1	1343.6	1641.4	1654.9	1678.6	1780.1
57.5°	1607.5	1245.4	1187.9	805.5	934.1	1018.7	1218.3	1533.1	1539.8	1560.2	1658.3
60°	1404.5	900.2	1089.7	707.3	795.3	859.6	1103.3	1404.5	1428.2	1441.7	1526.3
62.5°	1174.3	653.2	988.2	639.6	727.6	741.2	1008.5	1282.6	1313.1	1323.3	1374.0
65°	835.9	548.3	839.3	582.1	656.5	659.9	907.0	1157.4	1184.5	1201.4	1238.6
67.5°	565.2	446.7	639.6	527.9	602.4	605.8	808.8	1011.9	1049.1	1062.7	1086.4
70°	392.6	297.8	473.8	470.4	541.5	548.3	703.9	879.9	913.8	923.9	937.4
72.5°	287.7	240.3	392.6	423.0	477.2	484.0	595.6	731.0	764.8	775.0	781.8
75°	220.0	253.8	318.1	368.9	406.1	409.5	487.3	595.6	619.3	626.1	629.5
77.5°	176.0	236.9	233.5	297.8	331.7	324.9	382.4	460.3	480.6	480.6	480.6
80°	132.0	186.1	176.0	213.2	243.7	236.9	274.1	328.3	335.0	341.8	338.4
82.5°	98.1	118.4	118.4	135.4	162.4	155.7	182.8	213.2	213.2	213.2	220.0
85°	60.9	67.7	54.1	71.1	91.4	88.0	101.5	115.1	118.4	118.4	111.7
87.5°	37.2	30.5	16.9	27.1	40.6	40.6	47.4	50.8	47.4	47.4	47.4
90°	21.6	15.0	8.3	15.0	21.6	23.3	36.6	54.3	63.2	56.2	42.1
92.5°	146.5	89.9	33.3	89.9	146.5	160.6	225.7	312.6	356.0	312.0	224.1
95°	286.9	183.4	79.9	183.4	286.9	312.8	555.4	878.9	1040.7	928.7	704.6
97.5°	320.8	229.4	138.1	229.4	320.8	343.6	748.2	1287.6	1557.3	1486.5	1344.9
100°	348.7	265.8	183.0	265.8	348.7	369.4	818.3	1416.9	1716.2	1721.4	1731.7
102.5°	375.8	298.5	221.3	298.5	375.8	395.1	850.4	1457.5	1761.1	1851.3	2031.8
105°	417.0	351.6	286.2	351.6	417.0	433.4	874.3	1462.2	1756.1	1958.3	2362.8
107.5°	474.7	413.7	352.7	413.7	474.7	490.0	878.8	1397.1	1656.3	1938.4	2502.6
110°	507.8	452.7	397.6	452.7	507.8	521.6	872.1	1339.4	1573.1	1888.5	2519.2



TEST NUMBER: P935316

CATALOG NUMBER: SQ4-FA-100U-125D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	546.8	494.2	441.7	494.2	546.8	559.9	872.4	1289.1	1497.4	1820.2	2465.7
115°	605.2	556.7	508.3	556.7	605.2	617.3	880.4	1231.3	1406.7	1717.7	2339.6
117.5°	662.0	618.0	574.0	618.0	662.0	673.0	896.8	1195.1	1344.3	1624.9	2186.2
120°	695.1	653.7	612.3	653.7	695.1	705.4	910.1	1183.0	1319.4	1575.8	2088.6
122.5°	733.3	691.5	649.7	691.5	733.3	743.7	929.2	1176.5	1300.2	1531.1	1992.9
125°	783.3	745.2	707.1	745.2	783.3	792.8	955.0	1171.3	1279.4	1475.6	1867.9
127.5°	830.6	792.1	753.7	792.1	830.6	840.2	980.8	1168.3	1262.0	1430.4	1767.2
130°	861.4	820.0	778.6	820.0	861.4	871.8	999.6	1170.1	1255.3	1405.2	1705.1
132.5°	887.2	845.8	804.4	845.8	887.2	897.6	1014.9	1171.3	1249.5	1383.7	1652.1
135°	918.2	880.4	842.7	880.4	918.2	927.6	1031.6	1170.2	1239.5	1351.9	1576.7
137.5°	956.5	919.1	881.8	919.1	956.5	965.8	1056.5	1177.4	1237.8	1332.8	1522.9
140°	983.0	948.6	914.2	948.6	983.0	991.6	1071.7	1178.6	1232.0	1314.1	1478.3
142.5°	1002.8	971.0	939.2	971.0	1002.8	1010.7	1084.5	1182.8	1232.0	1304.1	1448.3
145°	1033.0	1005.2	977.5	1005.2	1033.0	1039.9	1101.2	1182.9	1223.7	1282.7	1400.6
147.5°	1069.7	1042.7	1015.7	1042.7	1069.7	1076.5	1125.6	1191.0	1223.7	1270.1	1362.9
150°	1089.5	1065.1	1040.7	1065.1	1089.5	1095.6	1138.3	1195.2	1223.7	1262.9	1341.3
152.5°	1103.5	1085.0	1066.5	1085.0	1103.5	1108.1	1146.6	1198.0	1223.7	1257.2	1324.1
155°	1132.1	1118.4	1104.7	1118.4	1132.1	1135.5	1164.9	1204.1	1223.7	1250.3	1303.6
157.5°	1159.7	1146.3	1133.0	1146.3	1159.7	1163.0	1183.2	1210.2	1223.7	1244.4	1285.8
160°	1172.9	1162.6	1152.2	1162.6	1172.9	1175.5	1191.6	1213.0	1223.7	1241.5	1277.0
162.5°	1186.9	1179.1	1171.3	1179.1	1186.9	1188.8	1200.4	1215.9	1223.7	1238.7	1268.6
165°	1206.1	1199.1	1192.1	1199.1	1206.1	1207.9	1213.2	1220.2	1223.7	1234.4	1255.9
167.5°	1217.9	1214.5	1211.2	1214.5	1217.9	1218.7	1223.1	1229.0	1232.0	1239.0	1253.1
170°	1230.4	1227.0	1223.7	1227.0	1230.4	1231.2	1231.5	1231.8	1232.0	1239.0	1253.1
172.5°	1231.8	1231.1	1230.4	1231.1	1231.8	1232.0	1232.0	1232.0	1232.0	1237.6	1248.7
175°	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1237.0	1233.7	1232.0	1235.5	1242.5
177.5°	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1237.6	1235.0	1233.7	1236.5	1242.0
180°	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5



TEST NUMBER: P935316
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2	3577.2
2.5°	3452.0	3441.8	3455.3	3418.1	3455.3	3441.8	3452.0	3475.7	3455.3	3468.9	3482.4
5°	3028.9	3012.0	2957.9	2913.9	2957.9	3012.0	3028.9	3100.0	3133.8	3194.8	3276.0
7.5°	2707.4	2693.9	2680.3	2653.3	2680.3	2693.9	2707.4	2727.7	2761.6	2815.7	2876.6
10°	2636.4	2639.7	2660.0	2656.7	2660.0	2639.7	2636.4	2629.6	2619.4	2629.6	2666.8
12.5°	2819.1	2849.6	2961.2	2954.5	2961.2	2849.6	2819.1	2683.7	2592.4	2575.4	2582.2
15°	3028.9	3039.1	3062.8	3066.2	3062.8	3039.1	3028.9	2974.8	2700.7	2582.2	2545.0
17.5°	3049.2	3052.6	3069.5	3069.5	3069.5	3052.6	3049.2	3025.5	2934.2	2775.1	2565.3
20°	3032.3	3039.1	3072.9	3079.7	3072.9	3039.1	3032.3	3001.9	2951.1	2893.6	2734.5
22.5°	3025.5	3039.1	3066.2	3062.8	3066.2	3039.1	3025.5	2978.2	2934.2	2893.6	2829.3
25°	2991.7	2991.7	2995.1	2998.5	2995.1	2991.7	2991.7	2954.5	2866.5	2856.3	2819.1
27.5°	2920.6	2927.4	2947.7	2944.3	2947.7	2927.4	2920.6	2907.1	2812.3	2802.2	2775.1
30°	2856.3	2849.6	2832.6	2819.1	2832.6	2849.6	2856.3	2836.0	2741.3	2714.2	2721.0
32.5°	2748.0	2731.1	2714.2	2704.0	2714.2	2731.1	2748.0	2741.3	2670.2	2633.0	2639.7
35°	2619.4	2622.8	2619.4	2609.3	2619.4	2622.8	2619.4	2626.2	2582.2	2548.4	2545.0
37.5°	2528.1	2534.8	2531.4	2517.9	2531.4	2534.8	2528.1	2521.3	2460.4	2450.2	2457.0
40°	2433.3	2436.7	2433.3	2423.1	2433.3	2436.7	2433.3	2419.8	2335.2	2338.5	2362.2
42.5°	2341.9	2338.5	2328.4	2321.6	2328.4	2338.5	2341.9	2321.6	2213.3	2203.2	2247.2
45°	2237.0	2240.4	2220.1	2209.9	2220.1	2240.4	2237.0	2223.5	2111.8	2084.7	2115.2
47.5°	2132.1	2132.1	2115.2	2105.0	2115.2	2132.1	2132.1	2115.2	1996.7	1969.6	1986.6
50°	2020.4	2017.0	1993.3	1990.0	1993.3	2017.0	2020.4	2010.3	1885.0	1861.4	1861.4
52.5°	1891.8	1891.8	1895.2	1902.0	1895.2	1891.8	1891.8	1895.2	1783.5	1759.8	1753.1
55°	1780.1	1783.5	1807.2	1814.0	1807.2	1783.5	1780.1	1780.1	1678.6	1654.9	1641.4
57.5°	1665.1	1665.1	1682.0	1682.0	1682.0	1665.1	1665.1	1658.3	1560.2	1539.8	1533.1
60°	1533.1	1539.8	1553.4	1550.0	1553.4	1539.8	1533.1	1526.3	1441.7	1428.2	1404.5
62.5°	1394.3	1401.1	1404.5	1397.7	1404.5	1401.1	1394.3	1374.0	1323.3	1313.1	1282.6
65°	1248.8	1255.6	1259.0	1252.2	1259.0	1255.6	1248.8	1238.6	1201.4	1184.5	1157.4
67.5°	1099.9	1096.5	1093.1	1106.7	1093.1	1096.5	1099.9	1086.4	1062.7	1049.1	1011.9
70°	947.6	947.6	944.2	951.0	944.2	947.6	947.6	937.4	923.9	913.8	879.9
72.5°	785.2	781.8	795.3	785.2	795.3	781.8	785.2	781.8	775.0	764.8	731.0
75°	626.1	632.9	626.1	636.2	626.1	632.9	626.1	629.5	626.1	619.3	595.6
77.5°	477.2	484.0	477.2	477.2	477.2	484.0	477.2	480.6	480.6	480.6	460.3
80°	338.4	335.0	335.0	331.7	335.0	335.0	338.4	338.4	341.8	335.0	328.3
82.5°	216.6	213.2	213.2	220.0	213.2	213.2	216.6	220.0	213.2	213.2	213.2
85°	118.4	121.8	115.1	115.1	115.1	121.8	118.4	111.7	118.4	118.4	115.1
87.5°	44.0	40.6	40.6	40.6	40.6	40.6	44.0	47.4	47.4	47.4	50.8
90°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	42.1	56.2	63.2	54.3
92.5°	158.1	151.8	126.7	101.5	126.7	151.8	158.1	224.1	312.0	356.0	312.6
95°	536.6	517.6	441.4	365.2	441.4	517.6	536.6	704.6	928.7	1040.7	878.9
97.5°	1238.7	1202.5	1057.5	912.6	1057.5	1202.5	1238.7	1344.9	1486.5	1557.3	1287.6
100°	1739.5	1696.3	1523.7	1351.0	1523.7	1696.3	1739.5	1731.7	1721.4	1716.2	1416.9
102.5°	2167.1	2130.1	1982.2	1834.3	1982.2	2130.1	2167.1	2031.8	1851.3	1761.1	1457.5
105°	2666.2	2646.3	2566.8	2487.3	2566.8	2646.3	2666.2	2362.8	1958.3	1756.1	1462.2
107.5°	2925.7	2930.5	2949.8	2969.0	2949.8	2930.5	2925.7	2502.6	1938.4	1656.3	1397.1
110°	2992.3	3013.0	3095.8	3178.6	3095.8	3013.0	2992.3	2519.2	1888.5	1573.1	1339.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2949.9	2981.7	3108.8	3236.0	3108.8	2981.7	2949.9	2465.7	1820.2	1497.4	1289.1
115°	2806.0	2850.1	3026.4	3202.8	3026.4	2850.1	2806.0	2339.6	1717.7	1406.7	1231.3
117.5°	2607.1	2656.0	2851.6	3047.2	2851.6	2656.0	2607.1	2186.2	1624.9	1344.3	1195.1
120°	2473.2	2520.7	2710.8	2900.8	2710.8	2520.7	2473.2	2088.6	1575.8	1319.4	1183.0
122.5°	2339.3	2386.2	2573.6	2761.0	2573.6	2386.2	2339.3	1992.9	1531.1	1300.2	1176.5
125°	2162.1	2205.3	2377.9	2550.6	2377.9	2205.3	2162.1	1867.9	1475.6	1279.4	1171.3
127.5°	2019.8	2056.2	2201.9	2347.6	2201.9	2056.2	2019.8	1767.2	1430.4	1262.0	1168.3
130°	1930.0	1963.6	2098.2	2232.8	2098.2	1963.6	1930.0	1705.1	1405.2	1255.3	1170.1
132.5°	1853.4	1883.5	2004.1	2124.6	2004.1	1883.5	1853.4	1652.1	1383.7	1249.5	1171.3
135°	1745.3	1771.3	1875.2	1979.1	1875.2	1771.3	1745.3	1576.7	1351.9	1239.5	1170.2
137.5°	1665.4	1686.7	1771.7	1856.8	1771.7	1686.7	1665.4	1522.9	1332.8	1237.8	1177.4
140°	1601.4	1621.3	1700.7	1780.2	1700.7	1621.3	1601.4	1478.3	1314.1	1232.0	1178.6
142.5°	1556.5	1573.6	1642.0	1710.4	1642.0	1573.6	1556.5	1448.3	1304.1	1232.0	1182.8
145°	1489.1	1502.0	1553.8	1605.5	1553.8	1502.0	1489.1	1400.6	1282.7	1223.7	1182.9
147.5°	1432.5	1443.2	1486.1	1529.0	1486.1	1443.2	1432.5	1362.9	1270.1	1223.7	1191.0
150°	1400.1	1408.8	1443.5	1478.3	1443.5	1408.8	1400.1	1341.3	1262.9	1223.7	1195.2
152.5°	1374.3	1380.9	1407.1	1433.3	1407.1	1380.9	1374.3	1324.1	1257.2	1223.7	1198.0
155°	1343.5	1347.8	1365.2	1382.6	1365.2	1347.8	1343.5	1303.6	1250.3	1223.7	1204.1
157.5°	1316.9	1319.9	1332.1	1344.3	1332.1	1319.9	1316.9	1285.8	1244.4	1223.7	1210.2
160°	1303.6	1305.4	1312.4	1319.4	1312.4	1305.4	1303.6	1277.0	1241.5	1223.7	1213.0
162.5°	1291.1	1292.8	1299.4	1306.1	1299.4	1292.8	1291.1	1268.6	1238.7	1223.7	1215.9
165°	1272.0	1273.8	1280.8	1287.8	1280.8	1273.8	1272.0	1255.9	1234.4	1223.7	1220.2
167.5°	1263.6	1264.3	1267.3	1270.3	1267.3	1264.3	1263.6	1253.1	1239.0	1232.0	1229.0
170°	1263.6	1263.6	1263.6	1263.6	1263.6	1263.6	1263.6	1253.1	1239.0	1232.0	1231.8
172.5°	1257.0	1256.4	1253.8	1251.2	1253.8	1256.4	1257.0	1248.7	1237.6	1232.0	1232.0
175°	1247.8	1247.8	1247.8	1247.8	1247.8	1247.8	1247.8	1242.5	1235.5	1232.0	1233.7
177.5°	1246.2	1245.5	1242.5	1239.5	1242.5	1245.5	1246.2	1242.0	1236.5	1233.7	1235.0
180°	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5	1239.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3577.2	3577.2	3577.2	3577.2	3577.2
2.5°	3533.2	3550.1	3560.3	3573.8	3607.6
5°	3397.8	3462.1	3482.4	3533.2	3594.1
7.5°	3100.0	3296.3	3350.4	3472.3	3567.0
10°	2812.3	3008.6	3103.4	3391.0	3533.2
12.5°	2666.8	2781.9	2846.2	3248.9	3485.8
15°	2575.4	2656.7	2704.0	3059.4	3431.7
17.5°	2504.4	2561.9	2595.7	2873.3	3357.2
20°	2460.4	2487.4	2517.9	2737.9	3272.6
22.5°	2429.9	2413.0	2436.7	2643.1	3157.5
25°	2409.6	2345.3	2372.4	2568.7	3022.2
27.5°	2426.5	2284.4	2294.5	2501.0	2880.0
30°	2429.9	2209.9	2213.3	2429.9	2721.0
32.5°	2406.2	2132.1	2135.5	2341.9	2541.6
35°	2348.7	2040.7	2037.3	2240.4	2297.9
37.5°	2270.8	1942.6	1942.6	2128.7	2030.6
40°	2176.1	1844.4	1854.6	1983.2	1793.7
42.5°	2061.0	1739.5	1753.1	1790.3	1617.7
45°	1935.8	1638.0	1648.1	1512.8	1482.3
47.5°	1797.1	1533.1	1536.5	1255.6	1438.3
50°	1631.2	1424.8	1411.2	1076.2	1434.9
52.5°	1485.7	1306.3	1265.7	974.7	1302.9
55°	1343.6	1181.1	1093.1	896.8	1208.2
57.5°	1218.3	1018.7	934.1	805.5	1187.9
60°	1103.3	859.6	795.3	707.3	1089.7
62.5°	1008.5	741.2	727.6	639.6	988.2
65°	907.0	659.9	656.5	582.1	839.3
67.5°	808.8	605.8	602.4	527.9	639.6
70°	703.9	548.3	541.5	470.4	473.8
72.5°	595.6	484.0	477.2	423.0	392.6
75°	487.3	409.5	406.1	368.9	318.1
77.5°	382.4	324.9	331.7	297.8	233.5
80°	274.1	236.9	243.7	213.2	176.0
82.5°	182.8	155.7	162.4	135.4	118.4
85°	101.5	88.0	91.4	71.1	54.1
87.5°	47.4	40.6	40.6	27.1	16.9
90°	36.6	23.3	21.6	15.0	8.3
92.5°	225.7	160.6	146.5	89.9	33.3
95°	555.4	312.8	286.9	183.4	79.9
97.5°	748.2	343.6	320.8	229.4	138.1
100°	818.3	369.4	348.7	265.8	183.0
102.5°	850.4	395.1	375.8	298.5	221.3
105°	874.3	433.4	417.0	351.6	286.2
107.5°	878.8	490.0	474.7	413.7	352.7
110°	872.1	521.6	507.8	452.7	397.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	872.4	559.9	546.8	494.2	441.7
115°	880.4	617.3	605.2	556.7	508.3
117.5°	896.8	673.0	662.0	618.0	574.0
120°	910.1	705.4	695.1	653.7	612.3
122.5°	929.2	743.7	733.3	691.5	649.7
125°	955.0	792.8	783.3	745.2	707.1
127.5°	980.8	840.2	830.6	792.1	753.7
130°	999.6	871.8	861.4	820.0	778.6
132.5°	1014.9	897.6	887.2	845.8	804.4
135°	1031.6	927.6	918.2	880.4	842.7
137.5°	1056.5	965.8	956.5	919.1	881.8
140°	1071.7	991.6	983.0	948.6	914.2
142.5°	1084.5	1010.7	1002.8	971.0	939.2
145°	1101.2	1039.9	1033.0	1005.2	977.5
147.5°	1125.6	1076.5	1069.7	1042.7	1015.7
150°	1138.3	1095.6	1089.5	1065.1	1040.7
152.5°	1146.6	1108.1	1103.5	1085.0	1066.5
155°	1164.9	1135.5	1132.1	1118.4	1104.7
157.5°	1183.2	1163.0	1159.7	1146.3	1133.0
160°	1191.6	1175.5	1172.9	1162.6	1152.2
162.5°	1200.4	1188.8	1186.9	1179.1	1171.3
165°	1213.2	1207.9	1206.1	1199.1	1192.1
167.5°	1223.1	1218.7	1217.9	1214.5	1211.2
170°	1231.5	1231.2	1230.4	1227.0	1223.7
172.5°	1232.0	1232.0	1231.8	1231.1	1230.4
175°	1237.0	1239.5	1239.5	1239.5	1239.5
177.5°	1237.6	1239.5	1239.5	1239.5	1239.5
180°	1239.5	1239.5	1239.5	1239.5	1239.5



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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	14.89	15.79	15.82	16.73	17.95	17.73	18.63	18.66	19.57	20.79
	3H	15.37	16.17	16.31	17.13	18.37	19.08	19.88	20.02	20.84	22.08
	4H	15.57	16.32	16.52	17.28	18.53	19.53	20.29	20.48	21.25	22.50
	6H	15.69	16.39	16.65	17.35	18.61	19.82	20.52	20.78	21.48	22.74
	8H	15.69	16.35	16.66	17.33	18.60	19.89	20.56	20.86	21.54	22.80
	12H	15.66	16.29	16.64	17.27	18.55	19.94	20.57	20.91	21.54	22.83
4H	2H	15.93	16.69	16.89	17.65	18.90	18.14	18.90	19.10	19.86	21.11
	3H	16.96	17.59	17.93	18.58	19.85	19.66	20.29	20.62	21.28	22.54
	4H	17.24	17.82	18.22	18.80	20.09	20.19	20.76	21.16	21.74	23.04
	6H	17.37	17.86	18.36	18.87	20.16	20.56	21.05	21.55	22.06	23.35
	8H	17.37	17.84	18.36	18.84	20.14	20.66	21.13	21.66	22.13	23.43
	12H	17.34	17.76	18.35	18.78	20.08	20.72	21.14	21.73	22.16	23.47
8H	4H	17.70	18.16	18.69	19.16	20.46	20.31	20.78	21.30	21.78	23.08
	6H	17.96	18.34	18.98	19.38	20.69	20.75	21.14	21.77	22.18	23.48
	8H	18.00	18.34	19.03	19.37	20.69	20.91	21.25	21.93	22.27	23.59
	12H	17.99	18.29	19.02	19.31	20.67	21.01	21.31	22.04	22.33	23.69
12H	4H	17.71	18.12	18.72	19.14	20.45	20.28	20.70	21.29	21.71	23.02
	6H	18.02	18.36	19.05	19.39	20.71	20.75	21.09	21.78	22.12	23.44
	8H	18.09	18.39	19.12	19.41	20.77	20.92	21.21	21.94	22.23	23.60