

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: P935016

Luminaire Tested: SQ4-FA-100U-050D-835-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935016
REPORT IS A COMBINATION OF REPORTS P933740 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-050D-835-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

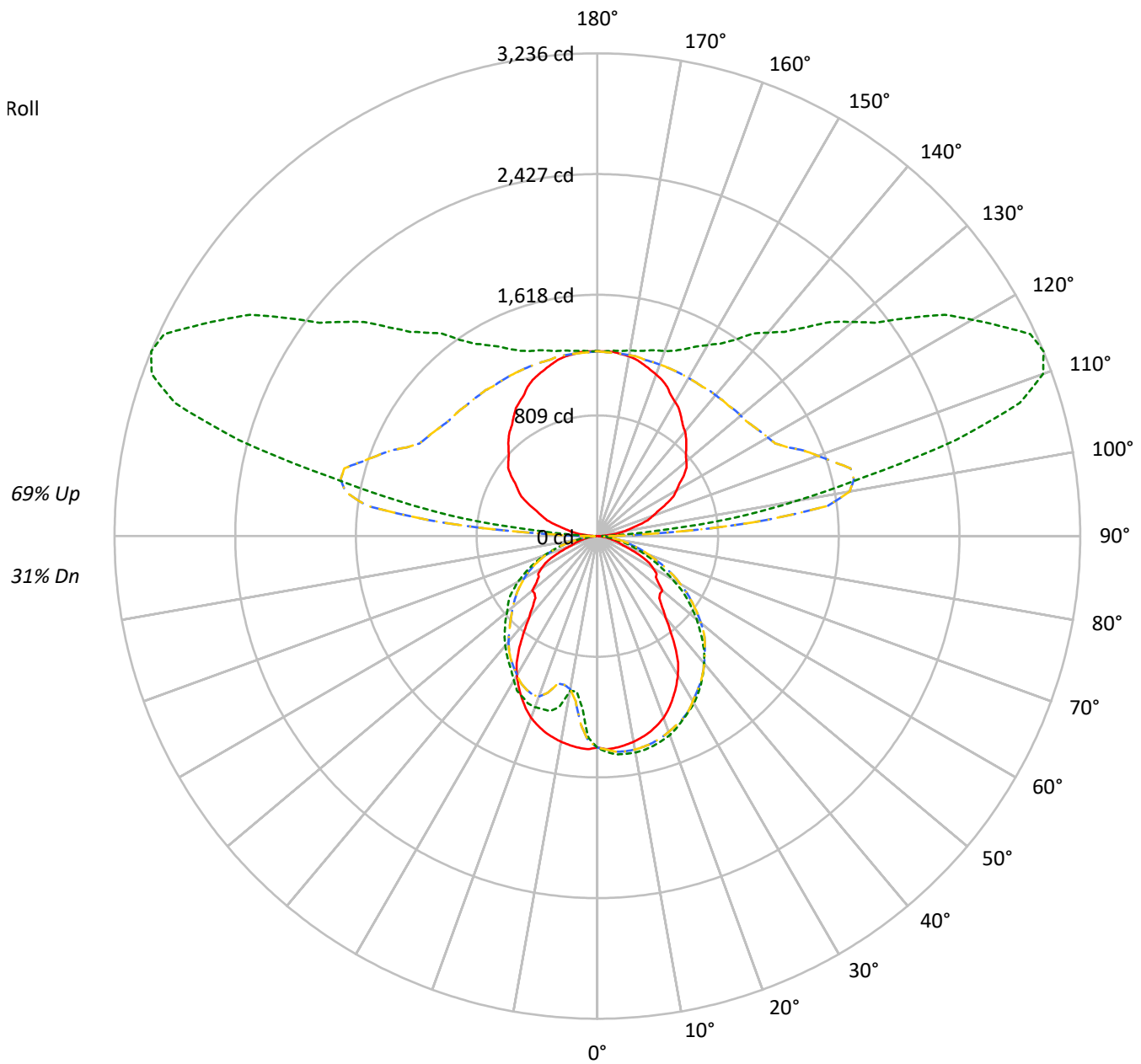
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11716.0 lumens
Efficiency: N/A
Efficacy: 142.2 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: Semi-Indirect

Input Watts (W): 82.4
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				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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	35	34	33	35	34	33	27
2	85	78	72	67	76	70	65	61	56	53	50	43	40	38	30	29	28	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	34	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	24	21	20	17	15	20	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	25	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	15	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6578	6578	6578	6578
5°	6627	6640	6627	5221
10°	6583	6541	6583	4676
15°	6511	6399	6511	5343
20°	6375	6231	6375	5355
25°	6096	5986	6096	5241
30°	5736	5783	5736	4992
35°	5113	5526	5113	4718
40°	4261	5223	4261	4511
45°	3807	4869	3807	4274
50°	4045	4447	4045	4035
55°	3805	3991	3805	3896
60°	3923	3390	3923	3569
65°	3556	2802	3556	3132
70°	2463	2233	2463	2625
75°	2160	1651	2160	1977
80°	1739	1091	1739	1188
85°	1001	579	1001	491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5835 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.0	1.1
10°-20°	363.4	3.1
20°-30°	561.7	4.8
30°-40°	670.5	5.7
40°-50°	674.5	5.8
50°-60°	586.9	5.0
60°-70°	416.1	3.6
70°-80°	220.1	1.9
80°-90°	59.6	0.5
90°-100°	604.2	5.2
100°-110°	1588.5	13.6
110°-120°	1647.1	14.1
120°-130°	1321.2	11.3
130°-140°	1036.6	8.8
140°-150°	795.7	6.8
150°-160°	573.0	4.9
160°-170°	350.6	3.0
170°-180°	118.4	1.0
0°-30°	1053.0	9.0
0°-40°	1723.6	14.7
0°-60°	2984.9	25.5
0°-90°	3680.7	31.4
90°-120°	3839.8	32.8
90°-150°	6993.2	59.7
90°-180°	8035.0	68.6
0°-180°	11716.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1418	1418	1418	1418	1418	
5°	1424	1469	1424	1155	1424	135
15°	1360	1455	1360	1215	1360	383
25°	1198	1357	1198	1188	1198	550
35°	911	1211	911	1034	911	563
45°	588	998	588	876	588	471
55°	479	736	479	719	479	440
65°	333	444	333	496	333	318
75°	126	211	126	252	126	133
85°	22	54	22	46	22	29
90°	8	32	8	32	8	8
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°	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8
2.5°	1429.8	1429.8	1437.9	1440.6	1440.6	1436.5	1432.5	1436.5	1448.6	1452.6	1451.3
5°	1424.5	1435.2	1450.0	1452.6	1455.3	1454.0	1451.3	1454.0	1467.4	1470.1	1471.4
7.5°	1413.7	1433.9	1452.6	1456.7	1460.7	1456.7	1455.3	1458.0	1471.4	1474.1	1474.1
10°	1400.3	1428.5	1450.0	1452.6	1456.7	1452.6	1452.6	1458.0	1471.4	1474.1	1475.4
12.5°	1381.5	1420.4	1440.6	1443.2	1448.6	1447.3	1445.9	1451.3	1464.7	1467.4	1467.4
15°	1360.1	1405.7	1424.5	1427.1	1436.5	1433.9	1433.9	1439.2	1454.0	1458.0	1456.7
17.5°	1330.6	1386.9	1408.4	1412.4	1419.1	1417.8	1419.1	1424.5	1437.9	1440.6	1441.9
20°	1297.0	1361.4	1386.9	1390.9	1397.6	1397.6	1397.6	1404.3	1417.8	1423.1	1423.1
22.5°	1251.4	1334.6	1361.4	1364.1	1372.2	1372.2	1374.8	1384.2	1396.3	1397.6	1397.6
25°	1197.8	1305.1	1327.9	1335.9	1344.0	1348.0	1352.0	1357.4	1361.4	1360.1	1361.4
27.5°	1141.5	1267.5	1297.0	1302.4	1313.1	1317.2	1322.5	1323.9	1325.2	1329.2	1326.6
30°	1078.4	1215.2	1259.5	1264.9	1282.3	1285.0	1279.6	1282.3	1289.0	1291.7	1294.4
32.5°	1007.3	1137.4	1220.6	1232.7	1248.8	1240.7	1239.4	1243.4	1254.1	1254.1	1256.8
35°	910.7	1077.1	1184.4	1195.1	1207.2	1197.8	1203.2	1204.5	1211.2	1215.2	1213.9
37.5°	804.8	1024.8	1146.8	1154.9	1164.3	1152.2	1160.2	1164.3	1169.6	1166.9	1166.9
40°	710.9	942.9	1102.6	1107.9	1116.0	1106.6	1114.6	1117.3	1120.0	1117.3	1116.0
42.5°	641.1	853.1	1055.6	1062.3	1056.9	1063.7	1066.3	1071.7	1067.7	1062.3	1062.3
45°	587.5	828.9	1004.6	1012.7	1004.6	1015.4	1019.4	1019.4	1007.3	1004.6	1003.3
47.5°	570.1	780.6	953.7	953.7	949.6	963.1	969.8	960.4	948.3	944.3	944.3
50°	568.7	727.0	883.9	878.6	897.3	913.4	906.7	897.3	887.9	873.2	873.2
52.5°	516.4	661.3	794.1	814.2	843.7	853.1	842.3	833.0	816.9	810.1	804.8
55°	478.8	592.9	712.2	752.5	783.3	795.4	775.3	765.9	741.7	737.7	735.0
57.5°	470.8	493.6	637.1	688.1	725.6	724.3	712.2	694.8	674.7	670.7	669.3
60°	431.9	356.8	556.6	617.0	655.9	651.9	641.1	625.0	606.3	603.6	600.9
62.5°	391.7	258.9	465.4	533.8	588.8	587.5	578.1	554.0	540.5	533.8	528.5
65°	332.6	217.3	331.3	444.0	523.1	525.8	505.7	488.2	473.5	465.4	464.1
67.5°	253.5	177.1	224.0	370.2	460.1	457.4	431.9	423.9	405.1	401.1	393.0
70°	187.8	118.0	155.6	300.5	398.4	391.7	371.5	362.2	344.7	335.3	330.0
72.5°	155.6	95.2	114.0	233.4	335.3	327.3	309.8	299.1	284.4	276.3	270.9
75°	126.1	100.6	87.2	173.0	272.3	266.9	250.8	240.1	228.0	217.3	218.6
77.5°	92.6	93.9	69.7	127.4	216.0	207.9	198.5	185.1	179.7	169.0	169.0
80°	69.7	73.8	52.3	87.2	155.6	155.6	147.5	138.2	128.8	123.4	123.4
82.5°	46.9	46.9	38.9	55.0	106.0	101.9	96.6	93.9	88.5	85.8	85.8
85°	21.5	26.8	24.1	33.5	57.7	60.4	60.4	57.7	56.3	53.7	55.0
87.5°	6.7	12.1	14.8	18.8	29.5	30.9	32.2	32.2	32.2	33.5	33.5
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°	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8
2.5°	1454.0	1450.0	1454.0	1451.3	1452.6	1448.6	1436.5	1432.5	1436.5	1440.6	1440.6
5°	1471.4	1468.7	1471.4	1471.4	1470.1	1467.4	1454.0	1451.3	1454.0	1455.3	1452.6
7.5°	1476.8	1472.8	1476.8	1474.1	1474.1	1471.4	1458.0	1455.3	1456.7	1460.7	1456.7
10°	1476.8	1472.8	1476.8	1475.4	1474.1	1471.4	1458.0	1452.6	1452.6	1456.7	1452.6
12.5°	1470.1	1467.4	1470.1	1467.4	1467.4	1464.7	1451.3	1445.9	1447.3	1448.6	1443.2
15°	1459.3	1455.3	1459.3	1456.7	1458.0	1454.0	1439.2	1433.9	1433.9	1436.5	1427.1
17.5°	1443.2	1437.9	1443.2	1441.9	1440.6	1437.9	1424.5	1419.1	1417.8	1419.1	1412.4
20°	1424.5	1420.4	1424.5	1423.1	1423.1	1417.8	1404.3	1397.6	1397.6	1397.6	1390.9
22.5°	1395.0	1390.9	1395.0	1397.6	1397.6	1396.3	1384.2	1374.8	1372.2	1372.2	1364.1
25°	1361.4	1357.4	1361.4	1361.4	1360.1	1361.4	1357.4	1352.0	1348.0	1344.0	1335.9
27.5°	1329.2	1326.6	1329.2	1326.6	1329.2	1325.2	1323.9	1322.5	1317.2	1313.1	1302.4
30°	1297.0	1294.4	1297.0	1294.4	1291.7	1289.0	1282.3	1279.6	1285.0	1282.3	1264.9
32.5°	1256.8	1254.1	1256.8	1256.8	1254.1	1254.1	1243.4	1239.4	1240.7	1248.8	1232.7
35°	1215.2	1211.2	1215.2	1213.9	1215.2	1211.2	1204.5	1203.2	1197.8	1207.2	1195.1
37.5°	1166.9	1162.9	1166.9	1166.9	1166.9	1169.6	1164.3	1160.2	1152.2	1164.3	1154.9
40°	1117.3	1111.9	1117.3	1116.0	1117.3	1120.0	1117.3	1114.6	1106.6	1116.0	1107.9
42.5°	1061.0	1059.6	1061.0	1062.3	1062.3	1067.7	1071.7	1066.3	1063.7	1056.9	1062.3
45°	1000.6	997.9	1000.6	1003.3	1004.6	1007.3	1019.4	1019.4	1015.4	1004.6	1012.7
47.5°	936.2	929.5	936.2	944.3	944.3	948.3	960.4	969.8	963.1	949.6	953.7
50°	867.8	869.2	867.8	873.2	873.2	887.9	897.3	906.7	913.4	897.3	878.6
52.5°	800.8	799.4	800.8	804.8	810.1	816.9	833.0	842.3	853.1	843.7	814.2
55°	733.7	736.4	733.7	735.0	737.7	741.7	765.9	775.3	795.4	783.3	752.5
57.5°	666.6	662.6	666.6	669.3	670.7	674.7	694.8	712.2	724.3	725.6	688.1
60°	588.8	583.5	588.8	600.9	603.6	606.3	625.0	641.1	651.9	655.9	617.0
62.5°	520.4	511.0	520.4	528.5	533.8	540.5	554.0	578.1	587.5	588.8	533.8
65°	448.0	444.0	448.0	464.1	465.4	473.5	488.2	505.7	525.8	523.1	444.0
67.5°	382.3	382.3	382.3	393.0	401.1	405.1	423.9	431.9	457.4	460.1	370.2
70°	321.9	320.6	321.9	330.0	335.3	344.7	362.2	371.5	391.7	398.4	300.5
72.5°	264.2	262.9	264.2	270.9	276.3	284.4	299.1	309.8	327.3	335.3	233.4
75°	213.3	210.6	213.3	218.6	217.3	228.0	240.1	250.8	266.9	272.3	173.0
77.5°	163.6	163.6	163.6	169.0	169.0	179.7	185.1	198.5	207.9	216.0	127.4
80°	122.1	120.7	122.1	123.4	123.4	128.8	138.2	147.5	155.6	155.6	87.2
82.5°	85.8	83.2	85.8	85.8	85.8	88.5	93.9	96.6	101.9	106.0	55.0
85°	53.7	53.7	53.7	55.0	53.7	56.3	57.7	60.4	60.4	57.7	33.5
87.5°	34.9	33.5	34.9	33.5	33.5	32.2	32.2	32.2	30.9	29.5	18.8
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



TEST NUMBER: P935016

CATALOG NUMBER: SQ4-FA-100U-050D-835-1D-UNV-STD-W-8

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



TEST NUMBER: P935016

CATALOG NUMBER: SQ4-FA-100U-050D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8
2.5°	1437.9	1429.8	1429.8	1416.4	1411.1	1407.0	1400.3	1380.2	1374.8	1369.5	1377.5
5°	1450.0	1435.2	1424.5	1400.3	1380.2	1372.2	1346.7	1298.4	1266.2	1242.0	1228.6
7.5°	1452.6	1433.9	1413.7	1376.2	1327.9	1306.4	1228.6	1140.1	1116.0	1094.5	1081.1
10°	1450.0	1428.5	1400.3	1344.0	1230.0	1192.4	1114.6	1056.9	1042.2	1038.2	1042.2
12.5°	1440.6	1420.4	1381.5	1287.7	1128.0	1102.6	1056.9	1023.4	1020.7	1027.4	1063.7
15°	1424.5	1405.7	1360.1	1212.5	1071.7	1052.9	1020.7	1008.7	1023.4	1070.4	1179.0
17.5°	1408.4	1386.9	1330.6	1138.8	1028.8	1015.4	992.6	1016.7	1099.9	1162.9	1199.1
20°	1386.9	1361.4	1297.0	1085.1	997.9	985.9	975.1	1083.8	1146.8	1169.6	1189.7
22.5°	1361.4	1334.6	1251.4	1047.6	965.7	956.4	963.1	1121.3	1146.8	1162.9	1180.3
25°	1327.9	1305.1	1197.8	1018.1	940.3	929.5	955.0	1117.3	1132.1	1136.1	1171.0
27.5°	1297.0	1267.5	1141.5	991.2	909.4	905.4	961.7	1099.9	1110.6	1114.6	1152.2
30°	1259.5	1215.2	1078.4	963.1	877.2	875.9	963.1	1078.4	1075.7	1086.5	1124.0
32.5°	1220.6	1137.4	1007.3	928.2	846.4	845.0	953.7	1046.2	1043.5	1058.3	1086.5
35°	1184.4	1077.1	910.7	887.9	807.5	808.8	930.9	1008.7	1010.0	1023.4	1040.9
37.5°	1146.8	1024.8	804.8	843.7	769.9	769.9	900.0	973.8	971.1	975.1	999.3
40°	1102.6	942.9	710.9	786.0	735.0	731.0	862.5	936.2	926.8	925.5	959.0
42.5°	1055.6	853.1	641.1	709.6	694.8	689.4	816.9	890.6	873.2	877.2	920.1
45°	1004.6	828.9	587.5	599.6	653.2	649.2	767.2	838.3	826.2	837.0	881.2
47.5°	953.7	780.6	570.1	497.6	609.0	607.6	712.2	787.3	780.6	791.4	838.3
50°	883.9	727.0	568.7	426.5	559.3	564.7	646.5	737.7	737.7	747.1	796.7
52.5°	794.1	661.3	516.4	386.3	501.6	517.7	588.8	694.8	697.5	706.9	751.1
55°	712.2	592.9	478.8	355.4	433.2	468.1	532.5	650.5	655.9	665.3	705.5
57.5°	637.1	493.6	470.8	319.2	370.2	403.7	482.9	607.6	610.3	618.3	657.2
60°	556.6	356.8	431.9	280.3	315.2	340.7	437.3	556.6	566.0	571.4	604.9
62.5°	465.4	258.9	391.7	253.5	288.4	293.7	399.7	508.4	520.4	524.5	544.6
65°	331.3	217.3	332.6	230.7	260.2	261.6	359.5	458.7	469.5	476.2	490.9
67.5°	224.0	177.1	253.5	209.2	238.8	240.1	320.6	401.1	415.8	421.2	430.6
70°	155.6	118.0	187.8	186.4	214.6	217.3	279.0	348.7	362.2	366.2	371.5
72.5°	114.0	95.2	155.6	167.7	189.1	191.8	236.1	289.7	303.1	307.2	309.8
75°	87.2	100.6	126.1	146.2	161.0	162.3	193.1	236.1	245.5	248.1	249.5
77.5°	69.7	93.9	92.6	118.0	131.4	128.8	151.6	182.4	190.5	190.5	190.5
80°	52.3	73.8	69.7	84.5	96.6	93.9	108.6	130.1	132.8	135.5	134.1
82.5°	38.9	46.9	46.9	53.7	64.4	61.7	72.4	84.5	84.5	84.5	87.2
85°	24.1	26.8	21.5	28.2	36.2	34.9	40.2	45.6	46.9	46.9	44.3
87.5°	14.8	12.1	6.7	10.7	16.1	16.1	18.8	20.1	18.8	18.8	18.8
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: P935016

CATALOG NUMBER: SQ4-FA-100U-050D-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: P935016

CATALOG NUMBER: SQ4-FA-100U-050D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8	1417.8
2.5°	1368.1	1364.1	1369.5	1354.7	1369.5	1364.1	1368.1	1377.5	1369.5	1374.8	1380.2
5°	1200.5	1193.8	1172.3	1154.9	1172.3	1193.8	1200.5	1228.6	1242.0	1266.2	1298.4
7.5°	1073.0	1067.7	1062.3	1051.6	1062.3	1067.7	1073.0	1081.1	1094.5	1116.0	1140.1
10°	1044.9	1046.2	1054.3	1052.9	1054.3	1046.2	1044.9	1042.2	1038.2	1042.2	1056.9
12.5°	1117.3	1129.4	1173.6	1171.0	1173.6	1129.4	1117.3	1063.7	1027.4	1020.7	1023.4
15°	1200.5	1204.5	1213.9	1215.2	1213.9	1204.5	1200.5	1179.0	1070.4	1023.4	1008.7
17.5°	1208.5	1209.9	1216.6	1216.6	1216.6	1209.9	1208.5	1199.1	1162.9	1099.9	1016.7
20°	1201.8	1204.5	1217.9	1220.6	1217.9	1204.5	1201.8	1189.7	1169.6	1146.8	1083.8
22.5°	1199.1	1204.5	1215.2	1213.9	1215.2	1204.5	1199.1	1180.3	1162.9	1146.8	1121.3
25°	1185.7	1185.7	1187.1	1188.4	1187.1	1185.7	1185.7	1171.0	1136.1	1132.1	1117.3
27.5°	1157.5	1160.2	1168.3	1166.9	1168.3	1160.2	1157.5	1152.2	1114.6	1110.6	1099.9
30°	1132.1	1129.4	1122.7	1117.3	1122.7	1129.4	1132.1	1124.0	1086.5	1075.7	1078.4
32.5°	1089.1	1082.4	1075.7	1071.7	1075.7	1082.4	1089.1	1086.5	1058.3	1043.5	1046.2
35°	1038.2	1039.5	1038.2	1034.1	1038.2	1039.5	1038.2	1040.9	1023.4	1010.0	1008.7
37.5°	1002.0	1004.6	1003.3	997.9	1003.3	1004.6	1002.0	999.3	975.1	971.1	973.8
40°	964.4	965.7	964.4	960.4	964.4	965.7	964.4	959.0	925.5	926.8	936.2
42.5°	928.2	926.8	922.8	920.1	922.8	926.8	928.2	920.1	877.2	873.2	890.6
45°	886.6	887.9	879.9	875.9	879.9	887.9	886.6	881.2	837.0	826.2	838.3
47.5°	845.0	845.0	838.3	834.3	838.3	845.0	845.0	838.3	791.4	780.6	787.3
50°	800.8	799.4	790.0	788.7	790.0	799.4	800.8	796.7	747.1	737.7	737.7
52.5°	749.8	749.8	751.1	753.8	751.1	749.8	749.8	751.1	706.9	697.5	694.8
55°	705.5	706.9	716.3	718.9	716.3	706.9	705.5	705.5	665.3	655.9	650.5
57.5°	659.9	659.9	666.6	666.6	666.6	659.9	659.9	657.2	618.3	610.3	607.6
60°	607.6	610.3	615.7	614.3	615.7	610.3	607.6	604.9	571.4	566.0	556.6
62.5°	552.6	555.3	556.6	554.0	556.6	555.3	552.6	544.6	524.5	520.4	508.4
65°	494.9	497.6	499.0	496.3	499.0	497.6	494.9	490.9	476.2	469.5	458.7
67.5°	435.9	434.6	433.2	438.6	433.2	434.6	435.9	430.6	421.2	415.8	401.1
70°	375.6	375.6	374.2	376.9	374.2	375.6	375.6	371.5	366.2	362.2	348.7
72.5°	311.2	309.8	315.2	311.2	315.2	309.8	311.2	309.8	307.2	303.1	289.7
75°	248.1	250.8	248.1	252.2	248.1	250.8	248.1	249.5	248.1	245.5	236.1
77.5°	189.1	191.8	189.1	189.1	189.1	191.8	189.1	190.5	190.5	190.5	182.4
80°	134.1	132.8	132.8	131.4	132.8	132.8	134.1	134.1	135.5	132.8	130.1
82.5°	85.8	84.5	84.5	87.2	84.5	84.5	85.8	87.2	84.5	84.5	84.5
85°	46.9	48.3	45.6	45.6	45.6	48.3	46.9	44.3	46.9	46.9	45.6
87.5°	17.4	16.1	16.1	16.1	16.1	16.1	17.4	18.8	18.8	18.8	20.1
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°	1417.8	1417.8	1417.8	1417.8	1417.8
2.5°	1400.3	1407.0	1411.1	1416.4	1429.8
5°	1346.7	1372.2	1380.2	1400.3	1424.5
7.5°	1228.6	1306.4	1327.9	1376.2	1413.7
10°	1114.6	1192.4	1230.0	1344.0	1400.3
12.5°	1056.9	1102.6	1128.0	1287.7	1381.5
15°	1020.7	1052.9	1071.7	1212.5	1360.1
17.5°	992.6	1015.4	1028.8	1138.8	1330.6
20°	975.1	985.9	997.9	1085.1	1297.0
22.5°	963.1	956.4	965.7	1047.6	1251.4
25°	955.0	929.5	940.3	1018.1	1197.8
27.5°	961.7	905.4	909.4	991.2	1141.5
30°	963.1	875.9	877.2	963.1	1078.4
32.5°	953.7	845.0	846.4	928.2	1007.3
35°	930.9	808.8	807.5	887.9	910.7
37.5°	900.0	769.9	769.9	843.7	804.8
40°	862.5	731.0	735.0	786.0	710.9
42.5°	816.9	689.4	694.8	709.6	641.1
45°	767.2	649.2	653.2	599.6	587.5
47.5°	712.2	607.6	609.0	497.6	570.1
50°	646.5	564.7	559.3	426.5	568.7
52.5°	588.8	517.7	501.6	386.3	516.4
55°	532.5	468.1	433.2	355.4	478.8
57.5°	482.9	403.7	370.2	319.2	470.8
60°	437.3	340.7	315.2	280.3	431.9
62.5°	399.7	293.7	288.4	253.5	391.7
65°	359.5	261.6	260.2	230.7	332.6
67.5°	320.6	240.1	238.8	209.2	253.5
70°	279.0	217.3	214.6	186.4	187.8
72.5°	236.1	191.8	189.1	167.7	155.6
75°	193.1	162.3	161.0	146.2	126.1
77.5°	151.6	128.8	131.4	118.0	92.6
80°	108.6	93.9	96.6	84.5	69.7
82.5°	72.4	61.7	64.4	53.7	46.9
85°	40.2	34.9	36.2	28.2	21.5
87.5°	18.8	16.1	16.1	10.7	6.7
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	9.33	10.04	10.43	11.14	12.66	12.17	12.88	13.27	13.98	15.49
	3H	9.79	10.43	10.90	11.54	13.07	13.50	14.14	14.61	15.25	16.78
	4H	9.98	10.59	11.10	11.69	13.23	13.94	14.55	15.06	15.66	17.19
	6H	10.09	10.65	11.22	11.76	13.31	14.22	14.78	15.35	15.89	17.44
	8H	10.09	10.62	11.22	11.74	13.29	14.29	14.82	15.42	15.95	17.49
	12H	10.05	10.56	11.19	11.68	13.24	14.33	14.83	15.46	15.95	17.52
4H	2H	10.34	10.95	11.47	12.06	13.60	12.56	13.16	13.68	14.27	15.81
	3H	11.36	11.86	12.49	13.00	14.55	14.05	14.56	15.18	15.69	17.24
	4H	11.63	12.09	12.77	13.22	14.79	14.57	15.04	15.71	16.16	17.73
	6H	11.74	12.14	12.89	13.29	14.85	14.93	15.33	16.08	16.48	18.04
	8H	11.75	12.12	12.89	13.26	14.83	15.04	15.41	16.18	16.55	18.12
	12H	11.71	12.04	12.87	13.19	14.78	15.09	15.43	16.25	16.58	18.16
8H	4H	12.07	12.44	13.21	13.58	15.16	14.69	15.06	15.83	16.20	17.77
	6H	12.33	12.63	13.49	13.81	15.39	15.12	15.43	16.28	16.61	18.18
	8H	12.37	12.64	13.54	13.79	15.39	15.27	15.54	16.44	16.70	18.29
	12H	12.34	12.58	13.52	13.74	15.36	15.36	15.60	16.54	16.76	18.38
12H	4H	12.07	12.41	13.23	13.56	15.14	14.64	14.98	15.80	16.13	17.71
	6H	12.39	12.65	13.56	13.81	15.41	15.11	15.38	16.28	16.54	18.14
	8H	12.45	12.68	13.62	13.84	15.47	15.27	15.51	16.44	16.66	18.29