

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: P934913

Luminaire Tested: SQ4-FA-075U-125D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

**Test Information**

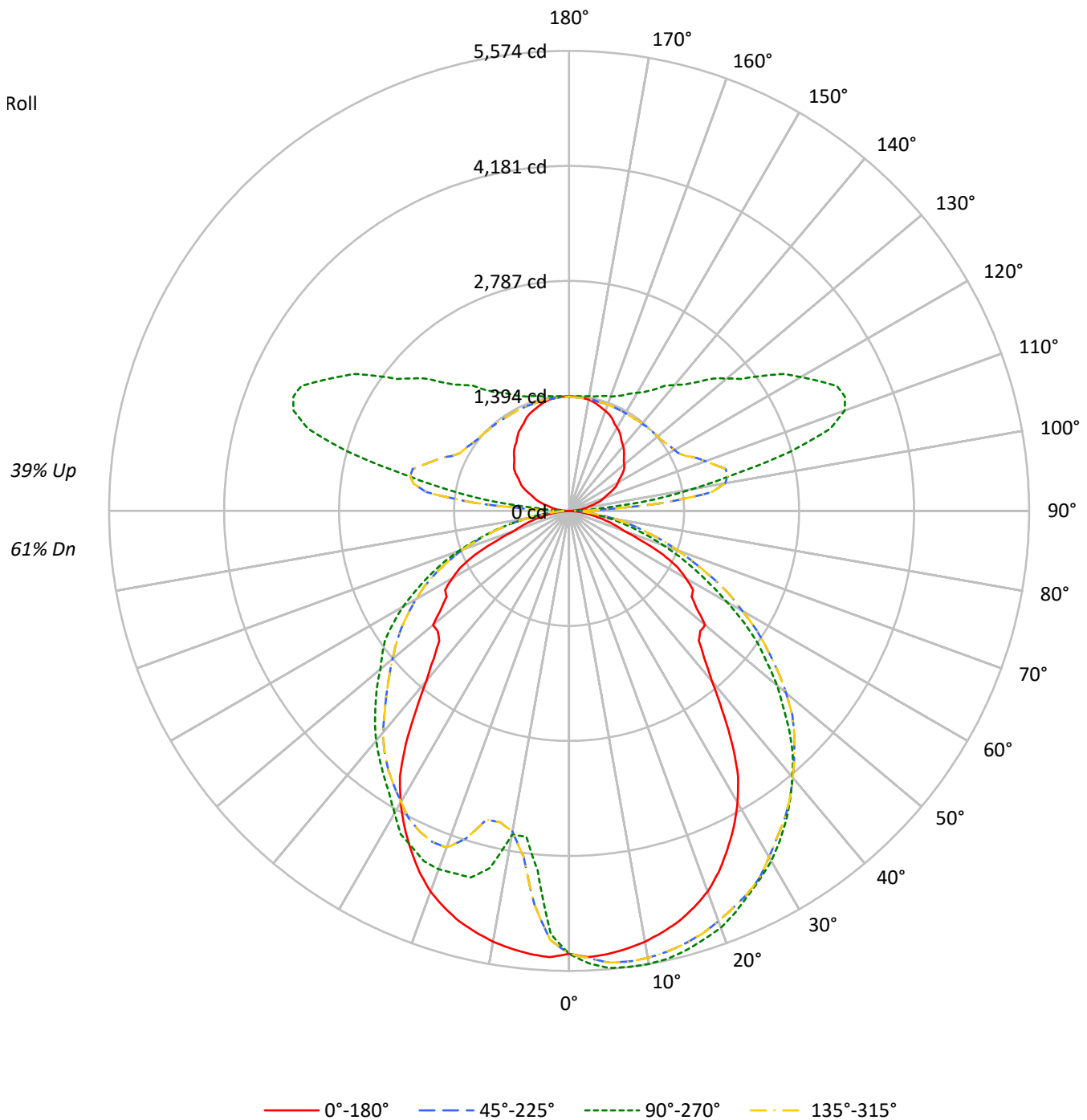
Test Method: LM-79-2019  
Report Number: P934913  
REPORT IS A COMBINATION OF REPORTS P933717 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-075U-125D-835-1D-UNV-STD-W-12  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22901.0 lumens  
Efficiency: N/A  
Efficacy: 123.1 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

TEST NUMBER: P934913  
CATALOG NUMBER: SQ4-FA-075U-125D-835-1D-UNV-STD-W-12

### Luminous Intensity Polar Plot







TEST NUMBER: P934913

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	484.4	2.1
10°-20°	1375.3	6.0
20°-30°	2125.9	9.3
30°-40°	2537.9	11.1
40°-50°	2552.8	11.1
50°-60°	2221.2	9.7
60°-70°	1574.9	6.9
70°-80°	833.2	3.6
80°-90°	212.8	0.9
90°-100°	675.4	2.9
100°-110°	1775.8	7.8
110°-120°	1841.3	8.0
120°-130°	1476.9	6.4
130°-140°	1158.9	5.1
140°-150°	889.5	3.9
150°-160°	640.6	2.8
160°-170°	391.9	1.7
170°-180°	132.4	0.6
0°-30°	3985.6	17.4
0°-40°	6523.4	28.5
0°-60°	11297.4	49.3
0°-90°	13918.3	60.8
90°-120°	4292.5	18.7
90°-150°	7817.8	34.1
90°-180°	8983.0	39.2
0°-180°	22901.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5366	5366	5366	5366	5366	
5°	5391	5559	5391	4371	5391	511
15°	5148	5508	5148	4599	5148	1448
25°	4533	5138	4533	4498	4533	2082
35°	3447	4584	3447	3914	3447	2133
45°	2224	3777	2224	3315	2224	1781
55°	1812	2787	1812	2721	1812	1665
65°	1259	1680	1259	1878	1259	1203
75°	477	797	477	954	477	502
85°	81	203	81	173	81	110
90°	9	35	9	35	9	11
95°	89	408	89	408	89	99
105°	320	2781	320	2781	320	339
115°	568	3580	568	3580	568	561
125°	790	2851	790	2851	790	702
135°	942	2212	942	2212	942	729
145°	1093	1795	1093	1795	1093	685
155°	1235	1546	1235	1546	1235	567
165°	1333	1440	1333	1440	1333	376
175°	1386	1395	1386	1395	1386	132
180°	1386	1386	1386	1386	1386	



TEST NUMBER: P934913

CATALOG NUMBER: SQ4-FA-075U-125D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5411.7	5411.7	5442.1	5452.3	5452.3	5437.0	5421.8	5437.0	5482.7	5498.0	5492.9
5°	5391.3	5432.0	5487.8	5498.0	5508.1	5503.0	5492.9	5503.0	5553.8	5564.0	5569.0
7.5°	5350.7	5426.9	5498.0	5513.2	5528.4	5513.2	5508.1	5518.3	5569.0	5579.2	5579.2
10°	5300.0	5406.6	5487.8	5498.0	5513.2	5498.0	5498.0	5518.3	5569.0	5579.2	5584.3
12.5°	5228.9	5376.1	5452.3	5462.4	5482.7	5477.6	5472.6	5492.9	5543.6	5553.8	5553.8
15°	5147.7	5320.3	5391.3	5401.5	5437.0	5426.9	5426.9	5447.2	5503.0	5518.3	5513.2
17.5°	5036.0	5249.2	5330.4	5345.7	5371.0	5366.0	5371.0	5391.3	5442.1	5452.3	5457.3
20°	4909.1	5152.7	5249.2	5264.4	5289.8	5289.8	5289.8	5315.2	5366.0	5386.3	5386.3
22.5°	4736.5	5051.2	5152.7	5162.9	5193.4	5193.4	5203.5	5239.0	5284.7	5289.8	5289.8
25°	4533.4	4939.5	5025.8	5056.3	5086.8	5102.0	5117.2	5137.5	5152.7	5147.7	5152.7
27.5°	4320.2	4797.4	4909.1	4929.4	4970.0	4985.2	5005.5	5010.6	5015.7	5030.9	5020.8
30°	4081.6	4599.4	4766.9	4787.2	4853.2	4863.4	4843.1	4853.2	4878.6	4888.8	4898.9
32.5°	3812.5	4305.0	4619.7	4665.4	4726.3	4695.9	4690.8	4706.0	4746.6	4746.6	4756.8
35°	3447.0	4076.5	4482.6	4523.2	4568.9	4533.4	4553.7	4558.8	4584.2	4599.4	4594.3
37.5°	3046.0	3878.5	4340.5	4371.0	4406.5	4360.8	4391.3	4406.5	4426.8	4416.6	4416.6
40°	2690.6	3568.8	4173.0	4193.3	4223.7	4188.2	4218.7	4228.8	4239.0	4228.8	4223.7
42.5°	2426.6	3228.7	3995.3	4020.7	4000.4	4025.7	4035.9	4056.2	4041.0	4020.7	4020.7
45°	2223.5	3137.3	3802.4	3832.8	3802.4	3843.0	3858.2	3858.2	3812.5	3802.4	3797.3
47.5°	2157.6	2954.6	3609.5	3609.5	3594.2	3645.0	3670.4	3634.8	3589.2	3573.9	3573.9
50°	2152.5	2751.5	3345.5	3325.2	3396.2	3457.2	3431.8	3396.2	3360.7	3304.9	3304.9
52.5°	1954.5	2502.8	3005.3	3081.5	3193.2	3228.7	3188.1	3152.6	3091.6	3066.3	3046.0
55°	1812.3	2243.9	2695.7	2848.0	2964.7	3010.4	2934.3	2898.7	2807.4	2792.1	2782.0
57.5°	1781.9	1868.2	2411.4	2604.3	2746.4	2741.4	2695.7	2629.7	2553.5	2538.3	2533.2
60°	1634.7	1350.4	2106.8	2335.2	2482.5	2467.2	2426.6	2365.7	2294.6	2284.5	2274.3
62.5°	1482.4	979.8	1761.6	2020.5	2228.6	2223.5	2188.0	2096.6	2045.9	2020.5	2000.2
65°	1259.0	822.4	1253.9	1680.4	1979.9	1990.0	1913.9	1847.9	1792.0	1761.6	1756.5
67.5°	959.5	670.1	847.8	1401.1	1741.3	1731.1	1634.7	1604.2	1533.1	1517.9	1487.4
70°	710.7	446.7	588.9	1137.2	1507.7	1482.4	1406.2	1370.7	1304.7	1269.1	1248.8
72.5°	588.9	360.4	431.5	883.3	1269.1	1238.7	1172.7	1132.1	1076.2	1045.8	1025.5
75°	477.2	380.7	330.0	654.9	1030.5	1010.2	949.3	908.7	863.0	822.4	827.5
77.5°	350.3	355.4	264.0	482.3	817.3	786.9	751.3	700.6	680.3	639.7	639.7
80°	264.0	279.2	198.0	330.0	588.9	588.9	558.4	522.9	487.4	467.0	467.0
82.5°	177.7	177.7	147.2	208.1	401.1	385.8	365.5	355.4	335.1	324.9	324.9
85°	81.2	101.5	91.4	126.9	218.3	228.4	228.4	218.3	213.2	203.1	208.1
87.5°	25.4	45.7	55.8	71.1	111.7	116.8	121.8	121.8	121.8	126.9	126.9
90°	9.3	16.7	24.1	26.0	40.9	60.8	70.7	62.8	47.1	35.3	35.3
92.5°	37.2	100.4	163.7	179.5	252.3	349.4	398.0	348.8	250.5	176.7	169.7
95°	89.3	205.0	320.8	349.7	620.9	982.6	1163.4	1038.2	787.7	599.8	578.5
97.5°	154.4	256.5	358.6	384.1	836.4	1439.4	1740.9	1661.7	1503.4	1384.7	1344.2
100°	204.6	297.2	389.8	412.9	914.8	1583.9	1918.5	1924.3	1935.9	1944.6	1896.3
102.5°	247.4	333.8	420.1	441.7	950.7	1629.4	1968.8	2069.6	2271.3	2422.6	2381.3
105°	319.9	393.1	466.2	484.5	977.4	1634.6	1963.2	2189.3	2641.5	2980.6	2958.4
107.5°	394.3	462.5	530.7	547.8	982.4	1561.9	1851.6	2167.0	2797.7	3270.7	3276.1
110°	444.5	506.1	567.7	583.1	974.9	1497.4	1758.6	2111.2	2816.3	3345.1	3368.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	493.8	552.5	611.2	625.9	975.3	1441.1	1674.0	2034.8	2756.5	3297.7	3333.2
115°	568.2	622.3	676.5	690.0	984.2	1376.5	1572.6	1920.2	2615.4	3136.8	3186.1
117.5°	641.7	690.9	740.0	752.3	1002.5	1336.0	1502.8	1816.5	2443.9	2914.5	2969.2
120°	684.5	730.8	777.0	788.6	1017.4	1322.4	1474.9	1761.5	2334.8	2764.8	2817.9
122.5°	726.3	773.0	819.7	831.4	1038.8	1315.3	1453.5	1711.6	2227.9	2615.1	2667.5
125°	790.5	833.1	875.7	886.3	1067.6	1309.4	1430.3	1649.6	2088.1	2417.0	2465.3
127.5°	842.6	885.6	928.6	939.3	1096.5	1306.0	1410.8	1599.1	1975.6	2258.0	2298.7
130°	870.5	916.8	963.0	974.6	1117.5	1308.0	1403.3	1570.9	1906.1	2157.5	2195.1
132.5°	899.3	945.6	991.8	1003.4	1134.5	1309.4	1396.8	1546.8	1846.9	2072.0	2105.7
135°	942.1	984.2	1026.4	1036.9	1153.2	1308.2	1385.7	1511.3	1762.6	1951.1	1980.1
137.5°	985.8	1027.5	1069.3	1079.7	1181.1	1316.2	1383.8	1490.0	1702.5	1861.8	1885.6
140°	1022.0	1060.4	1098.9	1108.5	1198.1	1317.6	1377.3	1469.1	1652.6	1790.2	1812.4
142.5°	1049.9	1085.5	1121.0	1129.9	1212.4	1322.3	1377.3	1457.9	1619.1	1740.0	1759.1
145°	1092.7	1123.7	1154.7	1162.5	1231.0	1322.3	1368.0	1433.9	1565.8	1664.7	1679.2
147.5°	1135.5	1165.7	1195.9	1203.4	1258.3	1331.4	1368.0	1419.9	1523.6	1601.4	1613.4
150°	1163.4	1190.7	1218.0	1224.8	1272.5	1336.2	1368.0	1411.8	1499.4	1565.1	1574.8
152.5°	1192.2	1212.9	1233.5	1238.7	1281.8	1339.3	1368.0	1405.4	1480.2	1536.3	1543.6
155°	1235.0	1250.3	1265.6	1269.4	1302.3	1346.1	1368.0	1397.8	1457.3	1501.9	1506.8
157.5°	1266.6	1281.5	1296.4	1300.1	1322.7	1352.9	1368.0	1391.1	1437.4	1472.1	1475.5
160°	1288.0	1299.6	1311.2	1314.1	1332.1	1356.0	1368.0	1387.8	1427.5	1457.3	1459.3
162.5°	1309.4	1318.1	1326.7	1328.9	1341.9	1359.3	1368.0	1384.7	1418.2	1443.3	1445.2
165°	1332.7	1340.5	1348.3	1350.3	1356.2	1364.1	1368.0	1380.0	1403.9	1421.9	1423.9
167.5°	1354.0	1357.7	1361.5	1362.4	1367.4	1374.0	1377.3	1385.1	1400.8	1412.6	1413.4
170°	1368.0	1371.7	1375.5	1376.4	1376.7	1377.1	1377.3	1385.1	1400.8	1412.6	1412.6
172.5°	1375.4	1376.2	1377.1	1377.3	1377.3	1377.3	1377.3	1383.5	1395.9	1405.2	1404.5
175°	1385.7	1385.7	1385.7	1385.7	1382.9	1379.2	1377.3	1381.2	1389.1	1395.0	1395.0
177.5°	1385.7	1385.7	1385.7	1385.7	1383.5	1380.6	1379.2	1382.3	1388.5	1393.1	1392.3
180°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5503.0	5487.8	5503.0	5492.9	5498.0	5482.7	5437.0	5421.8	5437.0	5452.3	5452.3
5°	5569.0	5558.9	5569.0	5569.0	5564.0	5553.8	5503.0	5492.9	5503.0	5508.1	5498.0
7.5°	5589.3	5574.1	5589.3	5579.2	5579.2	5569.0	5518.3	5508.1	5513.2	5528.4	5513.2
10°	5589.3	5574.1	5589.3	5584.3	5579.2	5569.0	5518.3	5498.0	5498.0	5513.2	5498.0
12.5°	5564.0	5553.8	5564.0	5553.8	5553.8	5543.6	5492.9	5472.6	5477.6	5482.7	5462.4
15°	5523.3	5508.1	5523.3	5513.2	5518.3	5503.0	5447.2	5426.9	5426.9	5437.0	5401.5
17.5°	5462.4	5442.1	5462.4	5457.3	5452.3	5442.1	5391.3	5371.0	5366.0	5371.0	5345.7
20°	5391.3	5376.1	5391.3	5386.3	5386.3	5366.0	5315.2	5289.8	5289.8	5289.8	5264.4
22.5°	5279.7	5264.4	5279.7	5289.8	5289.8	5284.7	5239.0	5203.5	5193.4	5193.4	5162.9
25°	5152.7	5137.5	5152.7	5152.7	5147.7	5152.7	5137.5	5117.2	5102.0	5086.8	5056.3
27.5°	5030.9	5020.8	5030.9	5020.8	5030.9	5015.7	5010.6	5005.5	4985.2	4970.0	4929.4
30°	4909.1	4898.9	4909.1	4898.9	4888.8	4878.6	4853.2	4843.1	4863.4	4853.2	4787.2
32.5°	4756.8	4746.6	4756.8	4756.8	4746.6	4746.6	4706.0	4690.8	4695.9	4726.3	4665.4
35°	4599.4	4584.2	4599.4	4594.3	4599.4	4584.2	4558.8	4553.7	4533.4	4568.9	4523.2
37.5°	4416.6	4401.4	4416.6	4416.6	4416.6	4426.8	4406.5	4391.3	4360.8	4406.5	4371.0
40°	4228.8	4208.5	4228.8	4223.7	4228.8	4239.0	4228.8	4218.7	4188.2	4223.7	4193.3
42.5°	4015.6	4010.5	4015.6	4020.7	4020.7	4041.0	4056.2	4035.9	4025.7	4000.4	4020.7
45°	3787.1	3777.0	3787.1	3797.3	3802.4	3812.5	3858.2	3858.2	3843.0	3802.4	3832.8
47.5°	3543.5	3518.1	3543.5	3573.9	3573.9	3589.2	3634.8	3670.4	3645.0	3594.2	3609.5
50°	3284.6	3289.6	3284.6	3304.9	3304.9	3360.7	3396.2	3431.8	3457.2	3396.2	3325.2
52.5°	3030.7	3025.7	3030.7	3046.0	3066.3	3091.6	3152.6	3188.1	3228.7	3193.2	3081.5
55°	2776.9	2787.1	2776.9	2782.0	2792.1	2807.4	2898.7	2934.3	3010.4	2964.7	2848.0
57.5°	2523.1	2507.8	2523.1	2533.2	2538.3	2553.5	2629.7	2695.7	2741.4	2746.4	2604.3
60°	2228.6	2208.3	2228.6	2274.3	2284.5	2294.6	2365.7	2426.6	2467.2	2482.5	2335.2
62.5°	1969.7	1934.2	1969.7	2000.2	2020.5	2045.9	2096.6	2188.0	2223.5	2228.6	2020.5
65°	1695.6	1680.4	1695.6	1756.5	1761.6	1792.0	1847.9	1913.9	1990.0	1979.9	1680.4
67.5°	1446.8	1446.8	1446.8	1487.4	1517.9	1533.1	1604.2	1634.7	1731.1	1741.3	1401.1
70°	1218.4	1213.3	1218.4	1248.8	1269.1	1304.7	1370.7	1406.2	1482.4	1507.7	1137.2
72.5°	1000.1	995.0	1000.1	1025.5	1045.8	1076.2	1132.1	1172.7	1238.7	1269.1	883.3
75°	807.2	797.0	807.2	827.5	822.4	863.0	908.7	949.3	1010.2	1030.5	654.9
77.5°	619.3	619.3	619.3	639.7	639.7	680.3	700.6	751.3	786.9	817.3	482.3
80°	462.0	456.9	462.0	467.0	467.0	487.4	522.9	558.4	588.9	588.9	330.0
82.5°	324.9	314.7	324.9	324.9	324.9	335.1	355.4	365.5	385.8	401.1	208.1
85°	203.1	203.1	203.1	208.1	203.1	213.2	218.3	228.4	228.4	218.3	126.9
87.5°	132.0	126.9	132.0	126.9	126.9	121.8	121.8	121.8	116.8	111.7	71.1
90°	35.3	35.3	35.3	35.3	35.3	47.1	62.8	70.7	60.8	40.9	26.0
92.5°	141.6	113.5	141.6	169.7	176.7	250.5	348.8	398.0	349.4	252.3	179.5
95°	493.4	408.3	493.4	578.5	599.8	787.7	1038.2	1163.4	982.6	620.9	349.7
97.5°	1182.2	1020.2	1182.2	1344.2	1384.7	1503.4	1661.7	1740.9	1439.4	836.4	384.1
100°	1703.3	1510.3	1703.3	1896.3	1944.6	1935.9	1924.3	1918.5	1583.9	914.8	412.9
102.5°	2215.9	2050.6	2215.9	2381.3	2422.6	2271.3	2069.6	1968.8	1629.4	950.7	441.7
105°	2869.5	2780.6	2869.5	2958.4	2980.6	2641.5	2189.3	1963.2	1634.6	977.4	484.5
107.5°	3297.6	3319.1	3297.6	3276.1	3270.7	2797.7	2167.0	1851.6	1561.9	982.4	547.8
110°	3460.8	3553.4	3460.8	3368.2	3345.1	2816.3	2111.2	1758.6	1497.4	974.9	583.1





TEST NUMBER: P934913

CATALOG NUMBER: SQ4-FA-075U-125D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3475.4	3617.6	3475.4	3333.2	3297.7	2756.5	2034.8	1674.0	1441.1	975.3	625.9
115°	3383.2	3580.4	3383.2	3186.1	3136.8	2615.4	1920.2	1572.6	1376.5	984.2	690.0
117.5°	3187.8	3406.5	3187.8	2969.2	2914.5	2443.9	1816.5	1502.8	1336.0	1002.5	752.3
120°	3030.4	3242.8	3030.4	2817.9	2764.8	2334.8	1761.5	1474.9	1322.4	1017.4	788.6
122.5°	2877.0	3086.6	2877.0	2667.5	2615.1	2227.9	1711.6	1453.5	1315.3	1038.8	831.4
125°	2658.3	2851.3	2658.3	2465.3	2417.0	2088.1	1649.6	1430.3	1309.4	1067.6	886.3
127.5°	2461.6	2624.4	2461.6	2298.7	2258.0	1975.6	1599.1	1410.8	1306.0	1096.5	939.3
130°	2345.6	2496.1	2345.6	2195.1	2157.5	1906.1	1570.9	1403.3	1308.0	1117.5	974.6
132.5°	2240.4	2375.2	2240.4	2105.7	2072.0	1846.9	1546.8	1396.8	1309.4	1134.5	1003.4
135°	2096.3	2212.4	2096.3	1980.1	1951.1	1762.6	1511.3	1385.7	1308.2	1153.2	1036.9
137.5°	1980.6	2075.7	1980.6	1885.6	1861.8	1702.5	1490.0	1383.8	1316.2	1181.1	1079.7
140°	1901.3	1990.1	1901.3	1812.4	1790.2	1652.6	1469.1	1377.3	1317.6	1198.1	1108.5
142.5°	1835.6	1912.0	1835.6	1759.1	1740.0	1619.1	1457.9	1377.3	1322.3	1212.4	1129.9
145°	1737.0	1794.8	1737.0	1679.2	1664.7	1565.8	1433.9	1368.0	1322.3	1231.0	1162.5
147.5°	1661.3	1709.3	1661.3	1613.4	1601.4	1523.6	1419.9	1368.0	1331.4	1258.3	1203.4
150°	1613.7	1652.6	1613.7	1574.8	1565.1	1499.4	1411.8	1368.0	1336.2	1272.5	1224.8
152.5°	1573.0	1602.3	1573.0	1543.6	1536.3	1480.2	1405.4	1368.0	1339.3	1281.8	1238.7
155°	1526.2	1545.6	1526.2	1506.8	1501.9	1457.3	1397.8	1368.0	1346.1	1302.3	1269.4
157.5°	1489.2	1502.8	1489.2	1475.5	1472.1	1437.4	1391.1	1368.0	1352.9	1322.7	1300.1
160°	1467.1	1474.9	1467.1	1459.3	1457.3	1427.5	1387.8	1368.0	1356.0	1332.1	1314.1
162.5°	1452.6	1460.1	1452.6	1445.2	1443.3	1418.2	1384.7	1368.0	1359.3	1341.9	1328.9
165°	1431.7	1439.6	1431.7	1423.9	1421.9	1403.9	1380.0	1368.0	1364.1	1356.2	1350.3
167.5°	1416.8	1420.1	1416.8	1413.4	1412.6	1400.8	1385.1	1377.3	1374.0	1367.4	1362.4
170°	1412.6	1412.6	1412.6	1412.6	1412.6	1400.8	1385.1	1377.3	1377.1	1376.7	1376.4
172.5°	1401.6	1398.7	1401.6	1404.5	1405.2	1395.9	1383.5	1377.3	1377.3	1377.3	1377.3
175°	1395.0	1395.0	1395.0	1395.0	1395.0	1389.1	1381.2	1377.3	1379.2	1382.9	1385.7
177.5°	1389.0	1385.7	1389.0	1392.3	1393.1	1388.5	1382.3	1379.2	1380.6	1383.5	1385.7
180°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7



TEST NUMBER: P934913

CATALOG NUMBER: SQ4-FA-075U-125D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5442.1	5411.7	5411.7	5360.9	5340.6	5325.4	5300.0	5223.8	5203.5	5183.2	5213.7
5°	5487.8	5432.0	5391.3	5300.0	5223.8	5193.4	5096.9	4914.1	4792.3	4700.9	4650.2
7.5°	5498.0	5426.9	5350.7	5208.6	5025.8	4944.6	4650.2	4315.1	4223.7	4142.5	4091.7
10°	5487.8	5406.6	5300.0	5086.8	4655.2	4513.1	4218.7	4000.4	3944.5	3929.3	3944.5
12.5°	5452.3	5376.1	5228.9	4873.5	4269.4	4173.0	4000.4	3873.4	3863.3	3888.7	4025.7
15°	5391.3	5320.3	5147.7	4589.2	4056.2	3985.1	3863.3	3817.6	3873.4	4051.1	4462.3
17.5°	5330.4	5249.2	5036.0	4310.0	3893.8	3843.0	3756.7	3848.1	4162.8	4401.4	4538.5
20°	5249.2	5152.7	4909.1	4107.0	3777.0	3731.3	3690.7	4101.9	4340.5	4426.8	4502.9
22.5°	5152.7	5051.2	4736.5	3964.8	3655.2	3619.6	3645.0	4244.0	4340.5	4401.4	4467.4
25°	5025.8	4939.5	4533.4	3853.1	3558.7	3518.1	3614.5	4228.8	4284.6	4299.9	4431.9
27.5°	4909.1	4797.4	4320.2	3751.6	3441.9	3426.7	3639.9	4162.8	4203.4	4218.7	4360.8
30°	4766.9	4599.4	4081.6	3645.0	3320.1	3315.0	3645.0	4081.6	4071.4	4112.0	4254.2
32.5°	4619.7	4305.0	3812.5	3513.0	3203.3	3198.3	3609.5	3959.7	3949.6	4005.4	4112.0
35°	4482.6	4076.5	3447.0	3360.7	3056.1	3061.2	3523.2	3817.6	3822.7	3873.4	3939.4
37.5°	4340.5	3878.5	3046.0	3193.2	2914.0	2914.0	3406.4	3685.6	3675.5	3690.7	3782.1
40°	4173.0	3568.8	2690.6	2974.9	2782.0	2766.7	3264.3	3543.5	3507.9	3502.9	3629.8
42.5°	3995.3	3228.7	2426.6	2685.5	2629.7	2609.4	3091.6	3370.9	3304.9	3320.1	3482.5
45°	3802.4	3137.3	2223.5	2269.2	2472.3	2457.1	2903.8	3172.9	3127.2	3167.8	3335.3
47.5°	3609.5	2954.6	2157.6	1883.4	2304.8	2299.7	2695.7	2980.0	2954.6	2995.2	3172.9
50°	3345.5	2751.5	2152.5	1614.4	2116.9	2137.2	2446.9	2792.1	2792.1	2827.7	3015.5
52.5°	3005.3	2502.8	1954.5	1462.1	1898.6	1959.6	2228.6	2629.7	2639.8	2675.4	2842.9
55°	2695.7	2243.9	1812.3	1345.3	1639.7	1771.7	2015.4	2462.1	2482.5	2518.0	2670.3
57.5°	2411.4	1868.2	1781.9	1208.2	1401.1	1528.1	1827.6	2299.7	2309.9	2340.3	2487.5
60°	2106.8	1350.4	1634.7	1061.0	1193.0	1289.5	1655.0	2106.8	2142.3	2162.6	2289.5
62.5°	1761.6	979.8	1482.4	959.5	1091.5	1111.8	1512.8	1924.0	1969.7	1984.9	2061.1
65°	1253.9	822.4	1259.0	873.2	984.9	989.9	1360.5	1736.2	1776.8	1802.2	1858.0
67.5°	847.8	670.1	959.5	791.9	903.6	908.7	1213.3	1517.9	1573.7	1594.1	1629.6
70°	588.9	446.7	710.7	705.6	812.3	822.4	1055.9	1319.9	1370.7	1385.9	1406.2
72.5°	431.5	360.4	588.9	634.6	715.8	726.0	893.5	1096.5	1147.3	1162.5	1172.7
75°	330.0	380.7	477.2	553.3	609.2	614.3	731.0	893.5	929.0	939.2	944.2
77.5°	264.0	355.4	350.3	446.7	497.5	487.4	573.7	690.4	720.9	720.9	720.9
80°	198.0	279.2	264.0	319.8	365.5	355.4	411.2	492.4	502.6	512.7	507.7
82.5°	147.2	177.7	177.7	203.1	243.7	233.5	274.1	319.8	319.8	319.8	330.0
85°	91.4	101.5	81.2	106.6	137.1	132.0	152.3	172.6	177.7	177.7	167.5
87.5°	55.8	45.7	25.4	40.6	60.9	60.9	71.1	76.1	71.1	71.1	71.1
90°	24.1	16.7	9.3	16.7	24.1	26.0	40.9	60.8	70.7	62.8	47.1
92.5°	163.7	100.4	37.2	100.4	163.7	179.5	252.3	349.4	398.0	348.8	250.5
95°	320.8	205.0	89.3	205.0	320.8	349.7	620.9	982.6	1163.4	1038.2	787.7
97.5°	358.6	256.5	154.4	256.5	358.6	384.1	836.4	1439.4	1740.9	1661.7	1503.4
100°	389.8	297.2	204.6	297.2	389.8	412.9	914.8	1583.9	1918.5	1924.3	1935.9
102.5°	420.1	333.8	247.4	333.8	420.1	441.7	950.7	1629.4	1968.8	2069.6	2271.3
105°	466.2	393.1	319.9	393.1	466.2	484.5	977.4	1634.6	1963.2	2189.3	2641.5
107.5°	530.7	462.5	394.3	462.5	530.7	547.8	982.4	1561.9	1851.6	2167.0	2797.7
110°	567.7	506.1	444.5	506.1	567.7	583.1	974.9	1497.4	1758.6	2111.2	2816.3



TEST NUMBER: P934913

CATALOG NUMBER: SQ4-FA-075U-125D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	611.2	552.5	493.8	552.5	611.2	625.9	975.3	1441.1	1674.0	2034.8	2756.5
115°	676.5	622.3	568.2	622.3	676.5	690.0	984.2	1376.5	1572.6	1920.2	2615.4
117.5°	740.0	690.9	641.7	690.9	740.0	752.3	1002.5	1336.0	1502.8	1816.5	2443.9
120°	777.0	730.8	684.5	730.8	777.0	788.6	1017.4	1322.4	1474.9	1761.5	2334.8
122.5°	819.7	773.0	726.3	773.0	819.7	831.4	1038.8	1315.3	1453.5	1711.6	2227.9
125°	875.7	833.1	790.5	833.1	875.7	886.3	1067.6	1309.4	1430.3	1649.6	2088.1
127.5°	928.6	885.6	842.6	885.6	928.6	939.3	1096.5	1306.0	1410.8	1599.1	1975.6
130°	963.0	916.8	870.5	916.8	963.0	974.6	1117.5	1308.0	1403.3	1570.9	1906.1
132.5°	991.8	945.6	899.3	945.6	991.8	1003.4	1134.5	1309.4	1396.8	1546.8	1846.9
135°	1026.4	984.2	942.1	984.2	1026.4	1036.9	1153.2	1308.2	1385.7	1511.3	1762.6
137.5°	1069.3	1027.5	985.8	1027.5	1069.3	1079.7	1181.1	1316.2	1383.8	1490.0	1702.5
140°	1098.9	1060.4	1022.0	1060.4	1098.9	1108.5	1198.1	1317.6	1377.3	1469.1	1652.6
142.5°	1121.0	1085.5	1049.9	1085.5	1121.0	1129.9	1212.4	1322.3	1377.3	1457.9	1619.1
145°	1154.7	1123.7	1092.7	1123.7	1154.7	1162.5	1231.0	1322.3	1368.0	1433.9	1565.8
147.5°	1195.9	1165.7	1135.5	1165.7	1195.9	1203.4	1258.3	1331.4	1368.0	1419.9	1523.6
150°	1218.0	1190.7	1163.4	1190.7	1218.0	1224.8	1272.5	1336.2	1368.0	1411.8	1499.4
152.5°	1233.5	1212.9	1192.2	1212.9	1233.5	1238.7	1281.8	1339.3	1368.0	1405.4	1480.2
155°	1265.6	1250.3	1235.0	1250.3	1265.6	1269.4	1302.3	1346.1	1368.0	1397.8	1457.3
157.5°	1296.4	1281.5	1266.6	1281.5	1296.4	1300.1	1322.7	1352.9	1368.0	1391.1	1437.4
160°	1311.2	1299.6	1288.0	1299.6	1311.2	1314.1	1332.1	1356.0	1368.0	1387.8	1427.5
162.5°	1326.7	1318.1	1309.4	1318.1	1326.7	1328.9	1341.9	1359.3	1368.0	1384.7	1418.2
165°	1348.3	1340.5	1332.7	1340.5	1348.3	1350.3	1356.2	1364.1	1368.0	1380.0	1403.9
167.5°	1361.5	1357.7	1354.0	1357.7	1361.5	1362.4	1367.4	1374.0	1377.3	1385.1	1400.8
170°	1375.5	1371.7	1368.0	1371.7	1375.5	1376.4	1376.7	1377.1	1377.3	1385.1	1400.8
172.5°	1377.1	1376.2	1375.4	1376.2	1377.1	1377.3	1377.3	1377.3	1377.3	1383.5	1395.9
175°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1382.9	1379.2	1377.3	1381.2	1389.1
177.5°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1383.5	1380.6	1379.2	1382.3	1388.5
180°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7



TEST NUMBER: P934913

CATALOG NUMBER: SQ4-FA-075U-125D-835-1D-UNV-STD-W-12

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5178.1	5162.9	5183.2	5127.4	5183.2	5162.9	5178.1	5213.7	5183.2	5203.5	5223.8
5°	4543.6	4518.2	4436.9	4371.0	4436.9	4518.2	4543.6	4650.2	4700.9	4792.3	4914.1
7.5°	4061.3	4041.0	4020.7	3980.1	4020.7	4041.0	4061.3	4091.7	4142.5	4223.7	4315.1
10°	3954.7	3959.7	3990.2	3985.1	3990.2	3959.7	3954.7	3944.5	3929.3	3944.5	4000.4
12.5°	4228.8	4274.5	4442.0	4431.9	4442.0	4274.5	4228.8	4025.7	3888.7	3863.3	3873.4
15°	4543.6	4558.8	4594.3	4599.4	4594.3	4558.8	4543.6	4462.3	4051.1	3873.4	3817.6
17.5°	4574.0	4579.1	4604.5	4604.5	4604.5	4579.1	4574.0	4538.5	4401.4	4162.8	3848.1
20°	4548.6	4558.8	4609.6	4619.7	4609.6	4558.8	4548.6	4502.9	4426.8	4340.5	4101.9
22.5°	4538.5	4558.8	4599.4	4594.3	4599.4	4558.8	4538.5	4467.4	4401.4	4340.5	4244.0
25°	4487.7	4487.7	4492.8	4497.9	4492.8	4487.7	4487.7	4431.9	4299.9	4284.6	4228.8
27.5°	4381.1	4391.3	4421.7	4416.6	4421.7	4391.3	4381.1	4360.8	4218.7	4203.4	4162.8
30°	4284.6	4274.5	4249.1	4228.8	4249.1	4274.5	4284.6	4254.2	4112.0	4071.4	4081.6
32.5°	4122.2	4096.8	4071.4	4056.2	4071.4	4096.8	4122.2	4112.0	4005.4	3949.6	3959.7
35°	3929.3	3934.4	3929.3	3914.1	3929.3	3934.4	3929.3	3939.4	3873.4	3822.7	3817.6
37.5°	3792.2	3802.4	3797.3	3777.0	3797.3	3802.4	3792.2	3782.1	3690.7	3675.5	3685.6
40°	3650.1	3655.2	3650.1	3634.8	3650.1	3655.2	3650.1	3629.8	3502.9	3507.9	3543.5
42.5°	3513.0	3507.9	3492.7	3482.5	3492.7	3507.9	3513.0	3482.5	3320.1	3304.9	3370.9
45°	3355.6	3360.7	3330.2	3315.0	3330.2	3360.7	3355.6	3335.3	3167.8	3127.2	3172.9
47.5°	3198.3	3198.3	3172.9	3157.6	3172.9	3198.3	3198.3	3172.9	2995.2	2954.6	2980.0
50°	3030.7	3025.7	2990.1	2985.0	2990.1	3025.7	3030.7	3015.5	2827.7	2792.1	2792.1
52.5°	2837.8	2837.8	2842.9	2853.0	2842.9	2837.8	2837.8	2842.9	2675.4	2639.8	2629.7
55°	2670.3	2675.4	2710.9	2721.1	2710.9	2675.4	2670.3	2670.3	2518.0	2482.5	2462.1
57.5°	2497.7	2497.7	2523.1	2523.1	2523.1	2497.7	2497.7	2487.5	2340.3	2309.9	2299.7
60°	2299.7	2309.9	2330.2	2325.1	2330.2	2309.9	2299.7	2289.5	2162.6	2142.3	2106.8
62.5°	2091.6	2101.7	2106.8	2096.6	2106.8	2101.7	2091.6	2061.1	1984.9	1969.7	1924.0
65°	1873.3	1883.4	1888.5	1878.3	1888.5	1883.4	1873.3	1858.0	1802.2	1776.8	1736.2
67.5°	1649.9	1644.8	1639.7	1660.0	1639.7	1644.8	1649.9	1629.6	1594.1	1573.7	1517.9
70°	1421.4	1421.4	1416.4	1426.5	1416.4	1421.4	1421.4	1406.2	1385.9	1370.7	1319.9
72.5°	1177.8	1172.7	1193.0	1177.8	1193.0	1172.7	1177.8	1172.7	1162.5	1147.3	1096.5
75°	939.2	949.3	939.2	954.4	939.2	949.3	939.2	944.2	939.2	929.0	893.5
77.5°	715.8	726.0	715.8	715.8	715.8	726.0	715.8	720.9	720.9	720.9	690.4
80°	507.7	502.6	502.6	497.5	502.6	502.6	507.7	507.7	512.7	502.6	492.4
82.5°	324.9	319.8	319.8	330.0	319.8	319.8	324.9	330.0	319.8	319.8	319.8
85°	177.7	182.8	172.6	172.6	172.6	182.8	177.7	167.5	177.7	177.7	172.6
87.5°	66.0	60.9	60.9	60.9	60.9	60.9	66.0	71.1	71.1	71.1	76.1
90°	35.3	35.3	35.3	35.3	35.3	35.3	35.3	47.1	62.8	70.7	60.8
92.5°	176.7	169.7	141.6	113.5	141.6	169.7	176.7	250.5	348.8	398.0	349.4
95°	599.8	578.5	493.4	408.3	493.4	578.5	599.8	787.7	1038.2	1163.4	982.6
97.5°	1384.7	1344.2	1182.2	1020.2	1182.2	1344.2	1384.7	1503.4	1661.7	1740.9	1439.4
100°	1944.6	1896.3	1703.3	1510.3	1703.3	1896.3	1944.6	1935.9	1924.3	1918.5	1583.9
102.5°	2422.6	2381.3	2215.9	2050.6	2215.9	2381.3	2422.6	2271.3	2069.6	1968.8	1629.4
105°	2980.6	2958.4	2869.5	2780.6	2869.5	2958.4	2980.6	2641.5	2189.3	1963.2	1634.6
107.5°	3270.7	3276.1	3297.6	3319.1	3297.6	3276.1	3270.7	2797.7	2167.0	1851.6	1561.9
110°	3345.1	3368.2	3460.8	3553.4	3460.8	3368.2	3345.1	2816.3	2111.2	1758.6	1497.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3297.7	3333.2	3475.4	3617.6	3475.4	3333.2	3297.7	2756.5	2034.8	1674.0	1441.1
115°	3136.8	3186.1	3383.2	3580.4	3383.2	3186.1	3136.8	2615.4	1920.2	1572.6	1376.5
117.5°	2914.5	2969.2	3187.8	3406.5	3187.8	2969.2	2914.5	2443.9	1816.5	1502.8	1336.0
120°	2764.8	2817.9	3030.4	3242.8	3030.4	2817.9	2764.8	2334.8	1761.5	1474.9	1322.4
122.5°	2615.1	2667.5	2877.0	3086.6	2877.0	2667.5	2615.1	2227.9	1711.6	1453.5	1315.3
125°	2417.0	2465.3	2658.3	2851.3	2658.3	2465.3	2417.0	2088.1	1649.6	1430.3	1309.4
127.5°	2258.0	2298.7	2461.6	2624.4	2461.6	2298.7	2258.0	1975.6	1599.1	1410.8	1306.0
130°	2157.5	2195.1	2345.6	2496.1	2345.6	2195.1	2157.5	1906.1	1570.9	1403.3	1308.0
132.5°	2072.0	2105.7	2240.4	2375.2	2240.4	2105.7	2072.0	1846.9	1546.8	1396.8	1309.4
135°	1951.1	1980.1	2096.3	2212.4	2096.3	1980.1	1951.1	1762.6	1511.3	1385.7	1308.2
137.5°	1861.8	1885.6	1980.6	2075.7	1980.6	1885.6	1861.8	1702.5	1490.0	1383.8	1316.2
140°	1790.2	1812.4	1901.3	1990.1	1901.3	1812.4	1790.2	1652.6	1469.1	1377.3	1317.6
142.5°	1740.0	1759.1	1835.6	1912.0	1835.6	1759.1	1740.0	1619.1	1457.9	1377.3	1322.3
145°	1664.7	1679.2	1737.0	1794.8	1737.0	1679.2	1664.7	1565.8	1433.9	1368.0	1322.3
147.5°	1601.4	1613.4	1661.3	1709.3	1661.3	1613.4	1601.4	1523.6	1419.9	1368.0	1331.4
150°	1565.1	1574.8	1613.7	1652.6	1613.7	1574.8	1565.1	1499.4	1411.8	1368.0	1336.2
152.5°	1536.3	1543.6	1573.0	1602.3	1573.0	1543.6	1536.3	1480.2	1405.4	1368.0	1339.3
155°	1501.9	1506.8	1526.2	1545.6	1526.2	1506.8	1501.9	1457.3	1397.8	1368.0	1346.1
157.5°	1472.1	1475.5	1489.2	1502.8	1489.2	1475.5	1472.1	1437.4	1391.1	1368.0	1352.9
160°	1457.3	1459.3	1467.1	1474.9	1467.1	1459.3	1457.3	1427.5	1387.8	1368.0	1356.0
162.5°	1443.3	1445.2	1452.6	1460.1	1452.6	1445.2	1443.3	1418.2	1384.7	1368.0	1359.3
165°	1421.9	1423.9	1431.7	1439.6	1431.7	1423.9	1421.9	1403.9	1380.0	1368.0	1364.1
167.5°	1412.6	1413.4	1416.8	1420.1	1416.8	1413.4	1412.6	1400.8	1385.1	1377.3	1374.0
170°	1412.6	1412.6	1412.6	1412.6	1412.6	1412.6	1412.6	1400.8	1385.1	1377.3	1377.1
172.5°	1405.2	1404.5	1401.6	1398.7	1401.6	1404.5	1405.2	1395.9	1383.5	1377.3	1377.3
175°	1395.0	1395.0	1395.0	1395.0	1395.0	1395.0	1395.0	1389.1	1381.2	1377.3	1379.2
177.5°	1393.1	1392.3	1389.0	1385.7	1389.0	1392.3	1393.1	1388.5	1382.3	1379.2	1380.6
180°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	5366.0	5366.0	5366.0	5366.0	5366.0
2.5°	5300.0	5325.4	5340.6	5360.9	5411.7
5°	5096.9	5193.4	5223.8	5300.0	5391.3
7.5°	4650.2	4944.6	5025.8	5208.6	5350.7
10°	4218.7	4513.1	4655.2	5086.8	5300.0
12.5°	4000.4	4173.0	4269.4	4873.5	5228.9
15°	3863.3	3985.1	4056.2	4589.2	5147.7
17.5°	3756.7	3843.0	3893.8	4310.0	5036.0
20°	3690.7	3731.3	3777.0	4107.0	4909.1
22.5°	3645.0	3619.6	3655.2	3964.8	4736.5
25°	3614.5	3518.1	3558.7	3853.1	4533.4
27.5°	3639.9	3426.7	3441.9	3751.6	4320.2
30°	3645.0	3315.0	3320.1	3645.0	4081.6
32.5°	3609.5	3198.3	3203.3	3513.0	3812.5
35°	3523.2	3061.2	3056.1	3360.7	3447.0
37.5°	3406.4	2914.0	2914.0	3193.2	3046.0
40°	3264.3	2766.7	2782.0	2974.9	2690.6
42.5°	3091.6	2609.4	2629.7	2685.5	2426.6
45°	2903.8	2457.1	2472.3	2269.2	2223.5
47.5°	2695.7	2299.7	2304.8	1883.4	2157.6
50°	2446.9	2137.2	2116.9	1614.4	2152.5
52.5°	2228.6	1959.6	1898.6	1462.1	1954.5
55°	2015.4	1771.7	1639.7	1345.3	1812.3
57.5°	1827.6	1528.1	1401.1	1208.2	1781.9
60°	1655.0	1289.5	1193.0	1061.0	1634.7
62.5°	1512.8	1111.8	1091.5	959.5	1482.4
65°	1360.5	989.9	984.9	873.2	1259.0
67.5°	1213.3	908.7	903.6	791.9	959.5
70°	1055.9	822.4	812.3	705.6	710.7
72.5°	893.5	726.0	715.8	634.6	588.9
75°	731.0	614.3	609.2	553.3	477.2
77.5°	573.7	487.4	497.5	446.7	350.3
80°	411.2	355.4	365.5	319.8	264.0
82.5°	274.1	233.5	243.7	203.1	177.7
85°	152.3	132.0	137.1	106.6	81.2
87.5°	71.1	60.9	60.9	40.6	25.4
90°	40.9	26.0	24.1	16.7	9.3
92.5°	252.3	179.5	163.7	100.4	37.2
95°	620.9	349.7	320.8	205.0	89.3
97.5°	836.4	384.1	358.6	256.5	154.4
100°	914.8	412.9	389.8	297.2	204.6
102.5°	950.7	441.7	420.1	333.8	247.4
105°	977.4	484.5	466.2	393.1	319.9
107.5°	982.4	547.8	530.7	462.5	394.3
110°	974.9	583.1	567.7	506.1	444.5



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	975.3	625.9	611.2	552.5	493.8
115°	984.2	690.0	676.5	622.3	568.2
117.5°	1002.5	752.3	740.0	690.9	641.7
120°	1017.4	788.6	777.0	730.8	684.5
122.5°	1038.8	831.4	819.7	773.0	726.3
125°	1067.6	886.3	875.7	833.1	790.5
127.5°	1096.5	939.3	928.6	885.6	842.6
130°	1117.5	974.6	963.0	916.8	870.5
132.5°	1134.5	1003.4	991.8	945.6	899.3
135°	1153.2	1036.9	1026.4	984.2	942.1
137.5°	1181.1	1079.7	1069.3	1027.5	985.8
140°	1198.1	1108.5	1098.9	1060.4	1022.0
142.5°	1212.4	1129.9	1121.0	1085.5	1049.9
145°	1231.0	1162.5	1154.7	1123.7	1092.7
147.5°	1258.3	1203.4	1195.9	1165.7	1135.5
150°	1272.5	1224.8	1218.0	1190.7	1163.4
152.5°	1281.8	1238.7	1233.5	1212.9	1192.2
155°	1302.3	1269.4	1265.6	1250.3	1235.0
157.5°	1322.7	1300.1	1296.4	1281.5	1266.6
160°	1332.1	1314.1	1311.2	1299.6	1288.0
162.5°	1341.9	1328.9	1326.7	1318.1	1309.4
165°	1356.2	1350.3	1348.3	1340.5	1332.7
167.5°	1367.4	1362.4	1361.5	1357.7	1354.0
170°	1376.7	1376.4	1375.5	1371.7	1368.0
172.5°	1377.3	1377.3	1377.1	1376.2	1375.4
175°	1382.9	1385.7	1385.7	1385.7	1385.7
177.5°	1383.5	1385.7	1385.7	1385.7	1385.7
180°	1385.7	1385.7	1385.7	1385.7	1385.7



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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	15.51	16.48	16.37	17.36	18.47	18.36	19.33	19.22	20.21	21.32
	3H	16.00	16.86	16.87	17.75	18.89	19.72	20.59	20.59	21.48	22.62
	4H	16.19	17.01	17.08	17.91	19.05	20.18	21.00	21.06	21.89	23.04
	6H	16.32	17.07	17.22	17.97	19.13	20.47	21.23	21.37	22.13	23.29
	8H	16.32	17.04	17.23	17.96	19.12	20.55	21.27	21.46	22.19	23.35
	12H	16.30	16.98	17.21	17.89	19.08	20.60	21.28	21.51	22.20	23.38
4H	2H	16.56	17.38	17.45	18.28	19.42	18.78	19.60	19.68	20.50	21.64
	3H	17.60	18.28	18.50	19.21	20.37	20.31	20.99	21.21	21.92	23.08
	4H	17.88	18.50	18.79	19.43	20.61	20.84	21.47	21.76	22.39	23.57
	6H	18.01	18.55	18.94	19.49	20.68	21.22	21.76	22.15	22.70	23.89
	8H	18.02	18.52	18.95	19.46	20.66	21.33	21.83	22.26	22.78	23.98
	12H	17.99	18.44	18.94	19.40	20.61	21.40	21.85	22.35	22.81	24.02
8H	4H	18.34	18.85	19.28	19.79	20.99	20.98	21.48	21.91	22.42	23.62
	6H	18.61	19.03	19.57	20.01	21.21	21.42	21.84	22.38	22.82	24.02
	8H	18.65	19.02	19.62	19.99	21.21	21.58	21.95	22.55	22.92	24.14
	12H	18.64	18.97	19.61	19.93	21.20	21.69	22.01	22.66	22.97	24.24
12H	4H	18.36	18.81	19.31	19.77	20.97	20.94	21.40	21.90	22.36	23.56
	6H	18.67	19.04	19.64	20.01	21.23	21.42	21.79	22.39	22.76	23.98
	8H	18.75	19.07	19.72	20.03	21.30	21.59	21.91	22.56	22.88	24.14