

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: P935562

Luminaire Tested: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-3500K

Issue Date: 12/17/2024

**Test Information**

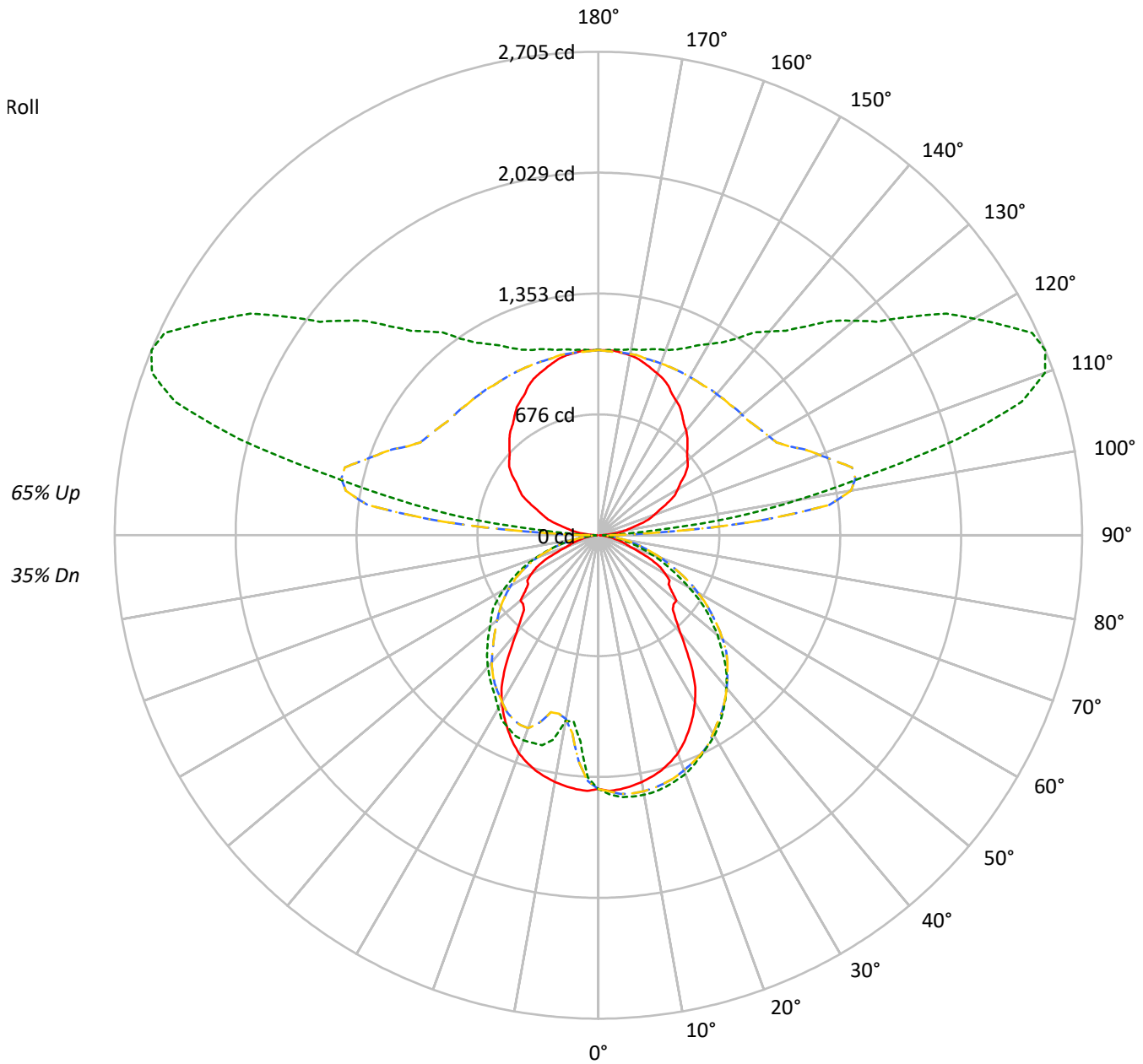
Test Method: LM-79-2019  
Report Number: P935562  
REPORT IS A COMBINATION OF REPORTS P933759 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-3500K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10400.7 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')  
CIE Type: Semi-Indirect  
  
Input Watts (W): 83.4  
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	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43	35
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36	30
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30	25
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26	21
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22	18
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19	16
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15	12
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13	11
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12	10
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11	9

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	8781	8781	8781	8781
5°	8844	8864	8844	6970
10°	8782	8732	8782	6242
15°	8683	8543	8683	7133
20°	8498	8319	8498	7148
25°	8123	7992	8123	6997
30°	7639	7720	7639	6664
35°	6807	7377	6807	6298
40°	5669	6973	5669	6023
45°	5062	6500	5062	5705
50°	5373	5936	5373	5386
55°	5050	5328	5050	5202
60°	5200	4525	5200	4765
65°	4708	3740	4708	4181
70°	3251	2981	3251	3505
75°	2840	2203	2840	2639
80°	2272	1457	2272	1586
85°	1282	771	1282	656

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 7763 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.1	1.2
10°-20°	363.8	3.5
20°-30°	562.4	5.4
30°-40°	671.4	6.5
40°-50°	675.3	6.5
50°-60°	587.6	5.6
60°-70°	416.6	4.0
70°-80°	220.4	2.1
80°-90°	58.8	0.6
90°-100°	505.0	4.9
100°-110°	1327.7	12.8
110°-120°	1376.7	13.2
120°-130°	1104.3	10.6
130°-140°	866.5	8.3
140°-150°	665.1	6.4
150°-160°	478.9	4.6
160°-170°	293.0	2.8
170°-180°	99.0	1.0
0°-30°	1054.3	10.1
0°-40°	1725.7	16.6
0°-60°	2988.6	28.7
0°-90°	3684.5	35.4
90°-120°	3209.4	30.9
90°-150°	5845.2	56.2
90°-180°	6716.0	64.6
0°-180°	10400.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1420	1420	1420	1420	1420	
5°	1426	1470	1426	1156	1426	135
15°	1362	1457	1362	1217	1362	383
25°	1199	1359	1199	1190	1199	551
35°	912	1213	912	1035	912	564
45°	588	999	588	877	588	471
55°	479	737	479	720	479	441
65°	333	444	333	497	333	318
75°	126	211	126	252	126	133
85°	22	54	22	46	22	29
90°	7	26	7	26	7	7
95°	67	305	67	305	67	74
105°	239	2079	239	2079	239	254
115°	425	2677	425	2677	425	420
125°	591	2132	591	2132	591	525
135°	704	1654	704	1654	704	545
145°	817	1342	817	1342	817	512
155°	923	1156	923	1156	923	424
165°	996	1076	996	1076	996	281
175°	1036	1043	1036	1043	1036	98
180°	1036	1036	1036	1036	1036	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5
2.5°	1431.6	1431.6	1439.7	1442.3	1442.3	1438.3	1434.3	1438.3	1450.4	1454.4	1453.1
5°	1426.2	1437.0	1451.7	1454.4	1457.1	1455.8	1453.1	1455.8	1469.2	1471.9	1473.2
7.5°	1415.5	1435.6	1454.4	1458.5	1462.5	1458.5	1457.1	1459.8	1473.2	1475.9	1475.9
10°	1402.1	1430.3	1451.7	1454.4	1458.5	1454.4	1454.4	1459.8	1473.2	1475.9	1477.3
12.5°	1383.3	1422.2	1442.3	1445.0	1450.4	1449.1	1447.7	1453.1	1466.5	1469.2	1469.2
15°	1361.8	1407.4	1426.2	1428.9	1438.3	1435.6	1435.6	1441.0	1455.8	1459.8	1458.5
17.5°	1332.2	1388.6	1410.1	1414.1	1420.9	1419.5	1420.9	1426.2	1439.7	1442.3	1443.7
20°	1298.7	1363.1	1388.6	1392.7	1399.4	1399.4	1399.4	1406.1	1419.5	1424.9	1424.9
22.5°	1253.0	1336.3	1363.1	1365.8	1373.9	1373.9	1376.5	1385.9	1398.0	1399.4	1399.4
25°	1199.3	1306.7	1329.5	1337.6	1345.7	1349.7	1353.7	1359.1	1363.1	1361.8	1363.1
27.5°	1142.9	1269.1	1298.7	1304.0	1314.8	1318.8	1324.2	1325.5	1326.9	1330.9	1328.2
30°	1079.7	1216.7	1261.0	1266.4	1283.9	1286.6	1281.2	1283.9	1290.6	1293.3	1296.0
32.5°	1008.6	1138.8	1222.1	1234.2	1250.3	1242.2	1240.9	1244.9	1255.7	1255.7	1258.4
35°	911.9	1078.4	1185.8	1196.6	1208.7	1199.3	1204.6	1206.0	1212.7	1216.7	1215.4
37.5°	805.8	1026.0	1148.2	1156.3	1165.7	1153.6	1161.7	1165.7	1171.1	1168.4	1168.4
40°	711.8	944.1	1103.9	1109.3	1117.3	1107.9	1116.0	1118.7	1121.4	1118.7	1117.3
42.5°	641.9	854.1	1056.9	1063.6	1058.3	1065.0	1067.7	1073.0	1069.0	1063.6	1063.6
45°	588.2	830.0	1005.9	1013.9	1005.9	1016.6	1020.7	1020.7	1008.6	1005.9	1004.5
47.5°	570.8	781.6	954.9	954.9	950.8	964.3	971.0	961.6	949.5	945.4	945.4
50°	569.4	727.9	885.0	879.6	898.4	914.6	907.8	898.4	889.0	874.3	874.3
52.5°	517.0	662.1	795.0	815.2	844.7	854.1	843.4	834.0	817.9	811.2	805.8
55°	479.4	593.6	713.1	753.4	784.3	796.4	776.2	766.8	742.7	738.6	735.9
57.5°	471.4	494.2	637.9	688.9	726.5	725.2	713.1	695.7	675.5	671.5	670.1
60°	432.4	357.2	557.3	617.8	656.7	652.7	641.9	625.8	607.0	604.3	601.6
62.5°	392.1	259.2	466.0	534.5	589.6	588.2	578.8	554.6	541.2	534.5	529.1
65°	333.1	217.6	331.7	444.5	523.8	526.4	506.3	488.8	474.1	466.0	464.7
67.5°	253.8	177.3	224.3	370.7	460.6	458.0	432.4	424.4	405.6	401.5	393.5
70°	188.0	118.2	155.8	300.8	398.9	392.1	372.0	362.6	345.1	335.7	330.4
72.5°	155.8	95.4	114.2	233.7	335.7	327.7	310.2	299.5	284.7	276.7	271.3
75°	126.2	100.7	87.3	173.2	272.6	267.3	251.1	240.4	228.3	217.6	218.9
77.5°	92.7	94.0	69.8	127.6	216.2	208.2	198.8	185.3	180.0	169.2	169.2
80°	69.8	73.9	52.4	87.3	155.8	155.8	147.7	138.3	128.9	123.6	123.6
82.5°	47.0	47.0	38.9	55.1	106.1	102.1	96.7	94.0	88.6	85.9	85.9
85°	21.5	26.9	24.2	33.6	57.7	60.4	60.4	57.7	56.4	53.7	55.1
87.5°	6.7	12.1	14.8	18.8	29.5	30.9	32.2	32.2	32.2	33.6	33.6
90°	7.0	12.5	18.1	19.4	30.5	45.4	52.8	46.9	35.2	26.4	26.4
92.5°	27.8	75.1	122.4	134.2	188.6	261.3	297.6	260.8	187.3	132.1	126.9
95°	66.8	153.3	239.8	261.4	464.2	734.7	869.9	776.2	588.9	448.5	432.5
97.5°	115.4	191.7	268.1	287.1	625.3	1076.3	1301.7	1242.5	1124.2	1035.3	1005.1
100°	153.0	222.2	291.4	308.7	683.9	1184.3	1434.5	1438.8	1447.5	1453.9	1417.8
102.5°	185.0	249.5	314.2	330.3	710.9	1218.3	1472.0	1547.4	1698.2	1811.3	1780.4
105°	239.2	293.9	348.5	362.2	730.8	1222.2	1467.9	1636.9	1975.0	2228.5	2211.9
107.5°	294.8	345.8	396.8	409.5	734.5	1167.8	1384.4	1620.2	2091.8	2445.5	2449.5
110°	332.3	378.4	424.4	435.9	728.9	1119.5	1314.9	1578.4	2105.7	2501.1	2518.4



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	369.2	413.1	457.0	468.0	729.1	1077.4	1251.6	1521.3	2060.9	2465.6	2492.2
115°	424.8	465.3	505.9	516.0	735.9	1029.2	1175.8	1435.7	1955.5	2345.4	2382.2
117.5°	479.8	516.6	553.3	562.5	749.6	998.9	1123.6	1358.2	1827.3	2179.2	2220.0
120°	511.8	546.4	581.0	589.7	760.7	988.7	1102.8	1317.1	1745.7	2067.2	2106.9
122.5°	543.1	578.0	612.9	621.6	776.7	983.4	1086.8	1279.8	1665.8	1955.3	1994.4
125°	591.0	622.9	654.7	662.6	798.3	979.0	1069.5	1233.4	1561.2	1807.2	1843.3
127.5°	629.9	662.1	694.2	702.3	819.8	976.5	1054.9	1195.6	1477.2	1688.3	1718.7
130°	650.8	685.5	720.0	728.7	835.5	977.9	1049.2	1174.6	1425.2	1613.2	1641.3
132.5°	672.4	707.0	741.6	750.3	848.3	979.0	1044.4	1156.6	1380.9	1549.2	1574.3
135°	704.3	735.9	767.4	775.3	862.2	978.1	1036.1	1130.0	1317.9	1458.8	1480.5
137.5°	737.0	768.3	799.5	807.3	883.0	984.1	1034.6	1114.0	1272.9	1392.0	1409.8
140°	764.1	792.9	821.6	828.8	895.8	985.1	1029.8	1098.4	1235.6	1338.5	1355.1
142.5°	785.0	811.6	838.2	844.8	906.5	988.7	1029.8	1090.0	1210.6	1301.0	1315.3
145°	817.0	840.2	863.3	869.2	920.4	988.7	1022.8	1072.1	1170.7	1244.7	1255.5
147.5°	849.0	871.6	894.1	899.8	940.8	995.5	1022.8	1061.6	1139.2	1197.4	1206.3
150°	869.9	890.3	910.6	915.7	951.4	999.0	1022.8	1055.6	1121.1	1170.3	1177.5
152.5°	891.4	906.9	922.4	926.2	958.4	1001.3	1022.8	1050.7	1106.7	1148.7	1154.1
155°	923.4	934.9	946.3	949.1	973.7	1006.4	1022.8	1045.1	1089.6	1123.0	1126.7
157.5°	947.1	958.2	969.3	972.0	989.0	1011.5	1022.8	1040.1	1074.7	1100.7	1103.2
160°	963.0	971.7	980.4	982.5	995.9	1013.9	1022.8	1037.7	1067.3	1089.6	1091.0
162.5°	979.0	985.5	992.0	993.6	1003.4	1016.4	1022.8	1035.3	1060.3	1079.1	1080.6
165°	996.4	1002.3	1008.2	1009.6	1014.0	1019.8	1022.8	1031.8	1049.8	1063.2	1064.6
167.5°	1012.4	1015.2	1018.0	1018.7	1022.4	1027.3	1029.8	1035.7	1047.4	1056.2	1056.8
170°	1022.8	1025.6	1028.4	1029.1	1029.3	1029.6	1029.8	1035.7	1047.4	1056.2	1056.2
172.5°	1028.4	1029.0	1029.6	1029.8	1029.8	1029.8	1029.8	1034.4	1043.7	1050.6	1050.1
175°	1036.1	1036.1	1036.1	1036.1	1034.0	1031.2	1029.8	1032.7	1038.7	1043.0	1043.0
177.5°	1036.1	1036.1	1036.1	1036.1	1034.4	1032.2	1031.1	1033.5	1038.1	1041.6	1041.0
180°	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5
2.5°	1455.8	1451.7	1455.8	1453.1	1454.4	1450.4	1438.3	1434.3	1438.3	1442.3	1442.3
5°	1473.2	1470.5	1473.2	1473.2	1471.9	1469.2	1455.8	1453.1	1455.8	1457.1	1454.4
7.5°	1478.6	1474.6	1478.6	1475.9	1475.9	1473.2	1459.8	1457.1	1458.5	1462.5	1458.5
10°	1478.6	1474.6	1478.6	1477.3	1475.9	1473.2	1459.8	1454.4	1454.4	1458.5	1454.4
12.5°	1471.9	1469.2	1471.9	1469.2	1469.2	1466.5	1453.1	1447.7	1449.1	1450.4	1445.0
15°	1461.1	1457.1	1461.1	1458.5	1459.8	1455.8	1441.0	1435.6	1435.6	1438.3	1428.9
17.5°	1445.0	1439.7	1445.0	1443.7	1442.3	1439.7	1426.2	1420.9	1419.5	1420.9	1414.1
20°	1426.2	1422.2	1426.2	1424.9	1424.9	1419.5	1406.1	1399.4	1399.4	1399.4	1392.7
22.5°	1396.7	1392.7	1396.7	1399.4	1399.4	1398.0	1385.9	1376.5	1373.9	1373.9	1365.8
25°	1363.1	1359.1	1363.1	1363.1	1361.8	1363.1	1359.1	1353.7	1349.7	1345.7	1337.6
27.5°	1330.9	1328.2	1330.9	1328.2	1330.9	1326.9	1325.5	1324.2	1318.8	1314.8	1304.0
30°	1298.7	1296.0	1298.7	1296.0	1293.3	1290.6	1283.9	1281.2	1286.6	1283.9	1266.4
32.5°	1258.4	1255.7	1258.4	1258.4	1255.7	1255.7	1244.9	1240.9	1242.2	1250.3	1234.2
35°	1216.7	1212.7	1216.7	1215.4	1216.7	1212.7	1206.0	1204.6	1199.3	1208.7	1196.6
37.5°	1168.4	1164.4	1168.4	1168.4	1168.4	1171.1	1165.7	1161.7	1153.6	1165.7	1156.3
40°	1118.7	1113.3	1118.7	1117.3	1118.7	1121.4	1118.7	1116.0	1107.9	1117.3	1109.3
42.5°	1062.3	1060.9	1062.3	1063.6	1063.6	1069.0	1073.0	1067.7	1065.0	1058.3	1063.6
45°	1001.9	999.2	1001.9	1004.5	1005.9	1008.6	1020.7	1020.7	1016.6	1005.9	1013.9
47.5°	937.4	930.7	937.4	945.4	945.4	949.5	961.6	971.0	964.3	950.8	954.9
50°	868.9	870.2	868.9	874.3	874.3	889.0	898.4	907.8	914.6	898.4	879.6
52.5°	801.8	800.4	801.8	805.8	811.2	817.9	834.0	843.4	854.1	844.7	815.2
55°	734.6	737.3	734.6	735.9	738.6	742.7	766.8	776.2	796.4	784.3	753.4
57.5°	667.5	663.4	667.5	670.1	671.5	675.5	695.7	713.1	725.2	726.5	688.9
60°	589.6	584.2	589.6	601.6	604.3	607.0	625.8	641.9	652.7	656.7	617.8
62.5°	521.1	511.7	521.1	529.1	534.5	541.2	554.6	578.8	588.2	589.6	534.5
65°	448.6	444.5	448.6	464.7	466.0	474.1	488.8	506.3	526.4	523.8	444.5
67.5°	382.7	382.7	382.7	393.5	401.5	405.6	424.4	432.4	458.0	460.6	370.7
70°	322.3	321.0	322.3	330.4	335.7	345.1	362.6	372.0	392.1	398.9	300.8
72.5°	264.6	263.2	264.6	271.3	276.7	284.7	299.5	310.2	327.7	335.7	233.7
75°	213.5	210.8	213.5	218.9	217.6	228.3	240.4	251.1	267.3	272.6	173.2
77.5°	163.8	163.8	163.8	169.2	169.2	180.0	185.3	198.8	208.2	216.2	127.6
80°	122.2	120.9	122.2	123.6	123.6	128.9	138.3	147.7	155.8	155.8	87.3
82.5°	85.9	83.3	85.9	85.9	85.9	88.6	94.0	96.7	102.1	106.1	55.1
85°	53.7	53.7	53.7	55.1	53.7	56.4	57.7	60.4	60.4	57.7	33.6
87.5°	34.9	33.6	34.9	33.6	33.6	32.2	32.2	32.2	30.9	29.5	18.8
90°	26.4	26.4	26.4	26.4	26.4	35.2	46.9	52.8	45.4	30.5	19.4
92.5°	105.8	84.8	105.8	126.9	132.1	187.3	260.8	297.6	261.3	188.6	134.2
95°	368.9	305.2	368.9	432.5	448.5	588.9	776.2	869.9	734.7	464.2	261.4
97.5°	883.9	762.8	883.9	1005.1	1035.3	1124.2	1242.5	1301.7	1076.3	625.3	287.1
100°	1273.6	1129.3	1273.6	1417.8	1453.9	1447.5	1438.8	1434.5	1184.3	683.9	308.7
102.5°	1656.8	1533.2	1656.8	1780.4	1811.3	1698.2	1547.4	1472.0	1218.3	710.9	330.3
105°	2145.4	2079.0	2145.4	2211.9	2228.5	1975.0	1636.9	1467.9	1222.2	730.8	362.2
107.5°	2465.5	2481.6	2465.5	2449.5	2445.5	2091.8	1620.2	1384.4	1167.8	734.5	409.5
110°	2587.6	2656.8	2587.6	2518.4	2501.1	2105.7	1578.4	1314.9	1119.5	728.9	435.9





TEST NUMBER: P935562

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2598.5	2704.8	2598.5	2492.2	2465.6	2060.9	1521.3	1251.6	1077.4	729.1	468.0
115°	2529.6	2677.0	2529.6	2382.2	2345.4	1955.5	1435.7	1175.8	1029.2	735.9	516.0
117.5°	2383.5	2547.0	2383.5	2220.0	2179.2	1827.3	1358.2	1123.6	998.9	749.6	562.5
120°	2265.8	2424.6	2265.8	2106.9	2067.2	1745.7	1317.1	1102.8	988.7	760.7	589.7
122.5°	2151.1	2307.8	2151.1	1994.4	1955.3	1665.8	1279.8	1086.8	983.4	776.7	621.6
125°	1987.6	2131.9	1987.6	1843.3	1807.2	1561.2	1233.4	1069.5	979.0	798.3	662.6
127.5°	1840.5	1962.3	1840.5	1718.7	1688.3	1477.2	1195.6	1054.9	976.5	819.8	702.3
130°	1753.8	1866.3	1753.8	1641.3	1613.2	1425.2	1174.6	1049.2	977.9	835.5	728.7
132.5°	1675.1	1775.9	1675.1	1574.3	1549.2	1380.9	1156.6	1044.4	979.0	848.3	750.3
135°	1567.3	1654.2	1567.3	1480.5	1458.8	1317.9	1130.0	1036.1	978.1	862.2	775.3
137.5°	1480.8	1551.9	1480.8	1409.8	1392.0	1272.9	1114.0	1034.6	984.1	883.0	807.3
140°	1421.6	1488.0	1421.6	1355.1	1338.5	1235.6	1098.4	1029.8	985.1	895.8	828.8
142.5°	1372.4	1429.6	1372.4	1315.3	1301.0	1210.6	1090.0	1029.8	988.7	906.5	844.8
145°	1298.7	1342.0	1298.7	1255.5	1244.7	1170.7	1072.1	1022.8	988.7	920.4	869.2
147.5°	1242.2	1278.1	1242.2	1206.3	1197.4	1139.2	1061.6	1022.8	995.5	940.8	899.8
150°	1206.6	1235.6	1206.6	1177.5	1170.3	1121.1	1055.6	1022.8	999.0	951.4	915.7
152.5°	1176.1	1198.0	1176.1	1154.1	1148.7	1106.7	1050.7	1022.8	1001.3	958.4	926.2
155°	1141.2	1155.7	1141.2	1126.7	1123.0	1089.6	1045.1	1022.8	1006.4	973.7	949.1
157.5°	1113.4	1123.6	1113.4	1103.2	1100.7	1074.7	1040.1	1022.8	1011.5	989.0	972.0
160°	1096.9	1102.8	1096.9	1091.0	1089.6	1067.3	1037.7	1022.8	1013.9	995.9	982.5
162.5°	1086.1	1091.7	1086.1	1080.6	1079.1	1060.3	1035.3	1022.8	1016.4	1003.4	993.6
165°	1070.5	1076.3	1070.5	1064.6	1063.2	1049.8	1031.8	1022.8	1019.8	1014.0	1009.6
167.5°	1059.2	1061.8	1059.2	1056.8	1056.2	1047.4	1035.7	1029.8	1027.3	1022.4	1018.7
170°	1056.2	1056.2	1056.2	1056.2	1056.2	1047.4	1035.7	1029.8	1029.6	1029.3	1029.1
172.5°	1048.0	1045.8	1048.0	1050.1	1050.6	1043.7	1034.4	1029.8	1029.8	1029.8	1029.8
175°	1043.0	1043.0	1043.0	1043.0	1043.0	1038.7	1032.7	1029.8	1031.2	1034.0	1036.1
177.5°	1038.6	1036.1	1038.6	1041.0	1041.6	1038.1	1033.5	1031.1	1032.2	1034.4	1036.1
180°	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1



TEST NUMBER: P935562

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5
2.5°	1439.7	1431.6	1431.6	1418.2	1412.8	1408.8	1402.1	1381.9	1376.5	1371.2	1379.2
5°	1451.7	1437.0	1426.2	1402.1	1381.9	1373.9	1348.3	1300.0	1267.8	1243.6	1230.2
7.5°	1454.4	1435.6	1415.5	1377.9	1329.5	1308.1	1230.2	1141.5	1117.3	1095.9	1082.4
10°	1451.7	1430.3	1402.1	1345.7	1231.5	1193.9	1116.0	1058.3	1043.5	1039.5	1043.5
12.5°	1442.3	1422.2	1383.3	1289.2	1129.4	1103.9	1058.3	1024.7	1022.0	1028.7	1065.0
15°	1426.2	1407.4	1361.8	1214.0	1073.0	1054.2	1022.0	1009.9	1024.7	1071.7	1180.5
17.5°	1410.1	1388.6	1332.2	1140.2	1030.1	1016.6	993.8	1018.0	1101.2	1164.4	1200.6
20°	1388.6	1363.1	1298.7	1086.5	999.2	987.1	976.3	1085.1	1148.2	1171.1	1191.2
22.5°	1363.1	1336.3	1253.0	1048.9	966.9	957.5	964.3	1122.7	1148.2	1164.4	1181.8
25°	1329.5	1306.7	1199.3	1019.3	941.4	930.7	956.2	1118.7	1133.5	1137.5	1172.4
27.5°	1298.7	1269.1	1142.9	992.5	910.5	906.5	962.9	1101.2	1112.0	1116.0	1153.6
30°	1261.0	1216.7	1079.7	964.3	878.3	877.0	964.3	1079.7	1077.1	1087.8	1125.4
32.5°	1222.1	1138.8	1008.6	929.3	847.4	846.1	954.9	1047.5	1044.8	1059.6	1087.8
35°	1185.8	1078.4	911.9	889.0	808.5	809.8	932.0	1009.9	1011.3	1024.7	1042.1
37.5°	1148.2	1026.0	805.8	844.7	770.9	770.9	901.1	975.0	972.3	976.3	1000.5
40°	1103.9	944.1	711.8	787.0	735.9	731.9	863.5	937.4	928.0	926.6	960.2
42.5°	1056.9	854.1	641.9	710.4	695.7	690.3	817.9	891.7	874.3	878.3	921.3
45°	1005.9	830.0	588.2	600.3	654.0	650.0	768.2	839.4	827.3	838.0	882.3
47.5°	954.9	781.6	570.8	498.2	609.7	608.4	713.1	788.3	781.6	792.4	839.4
50°	885.0	727.9	569.4	427.1	560.0	565.4	647.3	738.6	738.6	748.0	797.7
52.5°	795.0	662.1	517.0	386.8	502.3	518.4	589.6	695.7	698.3	707.7	752.1
55°	713.1	593.6	479.4	355.9	433.8	468.7	533.2	651.3	656.7	666.1	706.4
57.5°	637.9	494.2	471.4	319.6	370.7	404.2	483.5	608.4	611.1	619.1	658.1
60°	557.3	357.2	432.4	280.7	315.6	341.1	437.8	557.3	566.7	572.1	605.7
62.5°	466.0	259.2	392.1	253.8	288.7	294.1	400.2	509.0	521.1	525.1	545.2
65°	331.7	217.6	333.1	231.0	260.5	261.9	359.9	459.3	470.0	476.8	491.5
67.5°	224.3	177.3	253.8	209.5	239.0	240.4	321.0	401.5	416.3	421.7	431.1
70°	155.8	118.2	188.0	186.7	214.9	217.6	279.3	349.2	362.6	366.6	372.0
72.5°	114.2	95.4	155.8	167.9	189.4	192.0	236.4	290.1	303.5	307.5	310.2
75°	87.3	100.7	126.2	146.4	161.2	162.5	193.4	236.4	245.8	248.4	249.8
77.5°	69.8	94.0	92.7	118.2	131.6	128.9	151.8	182.6	190.7	190.7	190.7
80°	52.4	73.9	69.8	84.6	96.7	94.0	108.8	130.3	133.0	135.6	134.3
82.5°	38.9	47.0	47.0	53.7	64.5	61.8	72.5	84.6	84.6	84.6	87.3
85°	24.2	26.9	21.5	28.2	36.3	34.9	40.3	45.7	47.0	47.0	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°	18.1	12.5	7.0	12.5	18.1	19.4	30.5	45.4	52.8	46.9	35.2
92.5°	122.4	75.1	27.8	75.1	122.4	134.2	188.6	261.3	297.6	260.8	187.3
95°	239.8	153.3	66.8	153.3	239.8	261.4	464.2	734.7	869.9	776.2	588.9
97.5°	268.1	191.7	115.4	191.7	268.1	287.1	625.3	1076.3	1301.7	1242.5	1124.2
100°	291.4	222.2	153.0	222.2	291.4	308.7	683.9	1184.3	1434.5	1438.8	1447.5
102.5°	314.2	249.5	185.0	249.5	314.2	330.3	710.9	1218.3	1472.0	1547.4	1698.2
105°	348.5	293.9	239.2	293.9	348.5	362.2	730.8	1222.2	1467.9	1636.9	1975.0
107.5°	396.8	345.8	294.8	345.8	396.8	409.5	734.5	1167.8	1384.4	1620.2	2091.8
110°	424.4	378.4	332.3	378.4	424.4	435.9	728.9	1119.5	1314.9	1578.4	2105.7



TEST NUMBER: P935562

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	457.0	413.1	369.2	413.1	457.0	468.0	729.1	1077.4	1251.6	1521.3	2060.9
115°	505.9	465.3	424.8	465.3	505.9	516.0	735.9	1029.2	1175.8	1435.7	1955.5
117.5°	553.3	516.6	479.8	516.6	553.3	562.5	749.6	998.9	1123.6	1358.2	1827.3
120°	581.0	546.4	511.8	546.4	581.0	589.7	760.7	988.7	1102.8	1317.1	1745.7
122.5°	612.9	578.0	543.1	578.0	612.9	621.6	776.7	983.4	1086.8	1279.8	1665.8
125°	654.7	622.9	591.0	622.9	654.7	662.6	798.3	979.0	1069.5	1233.4	1561.2
127.5°	694.2	662.1	629.9	662.1	694.2	702.3	819.8	976.5	1054.9	1195.6	1477.2
130°	720.0	685.5	650.8	685.5	720.0	728.7	835.5	977.9	1049.2	1174.6	1425.2
132.5°	741.6	707.0	672.4	707.0	741.6	750.3	848.3	979.0	1044.4	1156.6	1380.9
135°	767.4	735.9	704.3	735.9	767.4	775.3	862.2	978.1	1036.1	1130.0	1317.9
137.5°	799.5	768.3	737.0	768.3	799.5	807.3	883.0	984.1	1034.6	1114.0	1272.9
140°	821.6	792.9	764.1	792.9	821.6	828.8	895.8	985.1	1029.8	1098.4	1235.6
142.5°	838.2	811.6	785.0	811.6	838.2	844.8	906.5	988.7	1029.8	1090.0	1210.6
145°	863.3	840.2	817.0	840.2	863.3	869.2	920.4	988.7	1022.8	1072.1	1170.7
147.5°	894.1	871.6	849.0	871.6	894.1	899.8	940.8	995.5	1022.8	1061.6	1139.2
150°	910.6	890.3	869.9	890.3	910.6	915.7	951.4	999.0	1022.8	1055.6	1121.1
152.5°	922.4	906.9	891.4	906.9	922.4	926.2	958.4	1001.3	1022.8	1050.7	1106.7
155°	946.3	934.9	923.4	934.9	946.3	949.1	973.7	1006.4	1022.8	1045.1	1089.6
157.5°	969.3	958.2	947.1	958.2	969.3	972.0	989.0	1011.5	1022.8	1040.1	1074.7
160°	980.4	971.7	963.0	971.7	980.4	982.5	995.9	1013.9	1022.8	1037.7	1067.3
162.5°	992.0	985.5	979.0	985.5	992.0	993.6	1003.4	1016.4	1022.8	1035.3	1060.3
165°	1008.2	1002.3	996.4	1002.3	1008.2	1009.6	1014.0	1019.8	1022.8	1031.8	1049.8
167.5°	1018.0	1015.2	1012.4	1015.2	1018.0	1018.7	1022.4	1027.3	1029.8	1035.7	1047.4
170°	1028.4	1025.6	1022.8	1025.6	1028.4	1029.1	1029.3	1029.6	1029.8	1035.7	1047.4
172.5°	1029.6	1029.0	1028.4	1029.0	1029.6	1029.8	1029.8	1029.8	1029.8	1034.4	1043.7
175°	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1034.0	1031.2	1029.8	1032.7	1038.7
177.5°	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1034.4	1032.2	1031.1	1033.5	1038.1
180°	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1



TEST NUMBER: P935562

CATALOG NUMBER: SQ4-FA-125U-075D-93050-1D-UNV-STD-W-6-3500K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5	1419.5
2.5°	1369.8	1365.8	1371.2	1356.4	1371.2	1365.8	1369.8	1379.2	1371.2	1376.5	1381.9
5°	1202.0	1195.2	1173.8	1156.3	1173.8	1195.2	1202.0	1230.2	1243.6	1267.8	1300.0
7.5°	1074.4	1069.0	1063.6	1052.9	1063.6	1069.0	1074.4	1082.4	1095.9	1117.3	1141.5
10°	1046.2	1047.5	1055.6	1054.2	1055.6	1047.5	1046.2	1043.5	1039.5	1043.5	1058.3
12.5°	1118.7	1130.8	1175.1	1172.4	1175.1	1130.8	1118.7	1065.0	1028.7	1022.0	1024.7
15°	1202.0	1206.0	1215.4	1216.7	1215.4	1206.0	1202.0	1180.5	1071.7	1024.7	1009.9
17.5°	1210.0	1211.4	1218.1	1218.1	1218.1	1211.4	1210.0	1200.6	1164.4	1101.2	1018.0
20°	1203.3	1206.0	1219.4	1222.1	1219.4	1206.0	1203.3	1191.2	1171.1	1148.2	1085.1
22.5°	1200.6	1206.0	1216.7	1215.4	1216.7	1206.0	1200.6	1181.8	1164.4	1148.2	1122.7
25°	1187.2	1187.2	1188.5	1189.9	1188.5	1187.2	1187.2	1172.4	1137.5	1133.5	1118.7
27.5°	1159.0	1161.7	1169.7	1168.4	1169.7	1161.7	1159.0	1153.6	1116.0	1112.0	1101.2
30°	1133.5	1130.8	1124.1	1118.7	1124.1	1130.8	1133.5	1125.4	1087.8	1077.1	1079.7
32.5°	1090.5	1083.8	1077.1	1073.0	1077.1	1083.8	1090.5	1087.8	1059.6	1044.8	1047.5
35°	1039.5	1040.8	1039.5	1035.4	1039.5	1040.8	1039.5	1042.1	1024.7	1011.3	1009.9
37.5°	1003.2	1005.9	1004.5	999.2	1004.5	1005.9	1003.2	1000.5	976.3	972.3	975.0
40°	965.6	966.9	965.6	961.6	965.6	966.9	965.6	960.2	926.6	928.0	937.4
42.5°	929.3	928.0	924.0	921.3	924.0	928.0	929.3	921.3	878.3	874.3	891.7
45°	887.7	889.0	881.0	877.0	881.0	889.0	887.7	882.3	838.0	827.3	839.4
47.5°	846.1	846.1	839.4	835.3	839.4	846.1	846.1	839.4	792.4	781.6	788.3
50°	801.8	800.4	791.0	789.7	791.0	800.4	801.8	797.7	748.0	738.6	738.6
52.5°	750.7	750.7	752.1	754.7	752.1	750.7	750.7	752.1	707.7	698.3	695.7
55°	706.4	707.7	717.1	719.8	717.1	707.7	706.4	706.4	666.1	656.7	651.3
57.5°	660.7	660.7	667.5	667.5	667.5	660.7	660.7	658.1	619.1	611.1	608.4
60°	608.4	611.1	616.4	615.1	616.4	611.1	608.4	605.7	572.1	566.7	557.3
62.5°	553.3	556.0	557.3	554.6	557.3	556.0	553.3	545.2	525.1	521.1	509.0
65°	495.6	498.2	499.6	496.9	499.6	498.2	495.6	491.5	476.8	470.0	459.3
67.5°	436.5	435.1	433.8	439.2	433.8	435.1	436.5	431.1	421.7	416.3	401.5
70°	376.0	376.0	374.7	377.4	374.7	376.0	376.0	372.0	366.6	362.6	349.2
72.5°	311.6	310.2	315.6	311.6	315.6	310.2	311.6	310.2	307.5	303.5	290.1
75°	248.4	251.1	248.4	252.5	248.4	251.1	248.4	249.8	248.4	245.8	236.4
77.5°	189.4	192.0	189.4	189.4	189.4	192.0	189.4	190.7	190.7	190.7	182.6
80°	134.3	133.0	133.0	131.6	133.0	133.0	134.3	134.3	135.6	133.0	130.3
82.5°	85.9	84.6	84.6	87.3	84.6	84.6	85.9	87.3	84.6	84.6	84.6
85°	47.0	48.3	45.7	45.7	45.7	48.3	47.0	44.3	47.0	47.0	45.7
87.5°	17.5	16.1	16.1	16.1	16.1	16.1	17.5	18.8	18.8	18.8	20.1
90°	26.4	26.4	26.4	26.4	26.4	26.4	26.4	35.2	46.9	52.8	45.4
92.5°	132.1	126.9	105.8	84.8	105.8	126.9	132.1	187.3	260.8	297.6	261.3
95°	448.5	432.5	368.9	305.2	368.9	432.5	448.5	588.9	776.2	869.9	734.7
97.5°	1035.3	1005.1	883.9	762.8	883.9	1005.1	1035.3	1124.2	1242.5	1301.7	1076.3
100°	1453.9	1417.8	1273.6	1129.3	1273.6	1417.8	1453.9	1447.5	1438.8	1434.5	1184.3
102.5°	1811.3	1780.4	1656.8	1533.2	1656.8	1780.4	1811.3	1698.2	1547.4	1472.0	1218.3
105°	2228.5	2211.9	2145.4	2079.0	2145.4	2211.9	2228.5	1975.0	1636.9	1467.9	1222.2
107.5°	2445.5	2449.5	2465.5	2481.6	2465.5	2449.5	2445.5	2091.8	1620.2	1384.4	1167.8
110°	2501.1	2518.4	2587.6	2656.8	2587.6	2518.4	2501.1	2105.7	1578.4	1314.9	1119.5



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2465.6	2492.2	2598.5	2704.8	2598.5	2492.2	2465.6	2060.9	1521.3	1251.6	1077.4
115°	2345.4	2382.2	2529.6	2677.0	2529.6	2382.2	2345.4	1955.5	1435.7	1175.8	1029.2
117.5°	2179.2	2220.0	2383.5	2547.0	2383.5	2220.0	2179.2	1827.3	1358.2	1123.6	998.9
120°	2067.2	2106.9	2265.8	2424.6	2265.8	2106.9	2067.2	1745.7	1317.1	1102.8	988.7
122.5°	1955.3	1994.4	2151.1	2307.8	2151.1	1994.4	1955.3	1665.8	1279.8	1086.8	983.4
125°	1807.2	1843.3	1987.6	2131.9	1987.6	1843.3	1807.2	1561.2	1233.4	1069.5	979.0
127.5°	1688.3	1718.7	1840.5	1962.3	1840.5	1718.7	1688.3	1477.2	1195.6	1054.9	976.5
130°	1613.2	1641.3	1753.8	1866.3	1753.8	1641.3	1613.2	1425.2	1174.6	1049.2	977.9
132.5°	1549.2	1574.3	1675.1	1775.9	1675.1	1574.3	1549.2	1380.9	1156.6	1044.4	979.0
135°	1458.8	1480.5	1567.3	1654.2	1567.3	1480.5	1458.8	1317.9	1130.0	1036.1	978.1
137.5°	1392.0	1409.8	1480.8	1551.9	1480.8	1409.8	1392.0	1272.9	1114.0	1034.6	984.1
140°	1338.5	1355.1	1421.6	1488.0	1421.6	1355.1	1338.5	1235.6	1098.4	1029.8	985.1
142.5°	1301.0	1315.3	1372.4	1429.6	1372.4	1315.3	1301.0	1210.6	1090.0	1029.8	988.7
145°	1244.7	1255.5	1298.7	1342.0	1298.7	1255.5	1244.7	1170.7	1072.1	1022.8	988.7
147.5°	1197.4	1206.3	1242.2	1278.1	1242.2	1206.3	1197.4	1139.2	1061.6	1022.8	995.5
150°	1170.3	1177.5	1206.6	1235.6	1206.6	1177.5	1170.3	1121.1	1055.6	1022.8	999.0
152.5°	1148.7	1154.1	1176.1	1198.0	1176.1	1154.1	1148.7	1106.7	1050.7	1022.8	1001.3
155°	1123.0	1126.7	1141.2	1155.7	1141.2	1126.7	1123.0	1089.6	1045.1	1022.8	1006.4
157.5°	1100.7	1103.2	1113.4	1123.6	1113.4	1103.2	1100.7	1074.7	1040.1	1022.8	1011.5
160°	1089.6	1091.0	1096.9	1102.8	1096.9	1091.0	1089.6	1067.3	1037.7	1022.8	1013.9
162.5°	1079.1	1080.6	1086.1	1091.7	1086.1	1080.6	1079.1	1060.3	1035.3	1022.8	1016.4
165°	1063.2	1064.6	1070.5	1076.3	1070.5	1064.6	1063.2	1049.8	1031.8	1022.8	1019.8
167.5°	1056.2	1056.8	1059.2	1061.8	1059.2	1056.8	1056.2	1047.4	1035.7	1029.8	1027.3
170°	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2	1056.2	1047.4	1035.7	1029.8	1029.6
172.5°	1050.6	1050.1	1048.0	1045.8	1048.0	1050.1	1050.6	1043.7	1034.4	1029.8	1029.8
175°	1043.0	1043.0	1043.0	1043.0	1043.0	1043.0	1043.0	1038.7	1032.7	1029.8	1031.2
177.5°	1041.6	1041.0	1038.6	1036.1	1038.6	1041.0	1041.6	1038.1	1033.5	1031.1	1032.2
180°	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1	1036.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1419.5	1419.5	1419.5	1419.5	1419.5
2.5°	1402.1	1408.8	1412.8	1418.2	1431.6
5°	1348.3	1373.9	1381.9	1402.1	1426.2
7.5°	1230.2	1308.1	1329.5	1377.9	1415.5
10°	1116.0	1193.9	1231.5	1345.7	1402.1
12.5°	1058.3	1103.9	1129.4	1289.2	1383.3
15°	1022.0	1054.2	1073.0	1214.0	1361.8
17.5°	993.8	1016.6	1030.1	1140.2	1332.2
20°	976.3	987.1	999.2	1086.5	1298.7
22.5°	964.3	957.5	966.9	1048.9	1253.0
25°	956.2	930.7	941.4	1019.3	1199.3
27.5°	962.9	906.5	910.5	992.5	1142.9
30°	964.3	877.0	878.3	964.3	1079.7
32.5°	954.9	846.1	847.4	929.3	1008.6
35°	932.0	809.8	808.5	889.0	911.9
37.5°	901.1	770.9	770.9	844.7	805.8
40°	863.5	731.9	735.9	787.0	711.8
42.5°	817.9	690.3	695.7	710.4	641.9
45°	768.2	650.0	654.0	600.3	588.2
47.5°	713.1	608.4	609.7	498.2	570.8
50°	647.3	565.4	560.0	427.1	569.4
52.5°	589.6	518.4	502.3	386.8	517.0
55°	533.2	468.7	433.8	355.9	479.4
57.5°	483.5	404.2	370.7	319.6	471.4
60°	437.8	341.1	315.6	280.7	432.4
62.5°	400.2	294.1	288.7	253.8	392.1
65°	359.9	261.9	260.5	231.0	333.1
67.5°	321.0	240.4	239.0	209.5	253.8
70°	279.3	217.6	214.9	186.7	188.0
72.5°	236.4	192.0	189.4	167.9	155.8
75°	193.4	162.5	161.2	146.4	126.2
77.5°	151.8	128.9	131.6	118.2	92.7
80°	108.8	94.0	96.7	84.6	69.8
82.5°	72.5	61.8	64.5	53.7	47.0
85°	40.3	34.9	36.3	28.2	21.5
87.5°	18.8	16.1	16.1	10.7	6.7
90°	30.5	19.4	18.1	12.5	7.0
92.5°	188.6	134.2	122.4	75.1	27.8
95°	464.2	261.4	239.8	153.3	66.8
97.5°	625.3	287.1	268.1	191.7	115.4
100°	683.9	308.7	291.4	222.2	153.0
102.5°	710.9	330.3	314.2	249.5	185.0
105°	730.8	362.2	348.5	293.9	239.2
107.5°	734.5	409.5	396.8	345.8	294.8
110°	728.9	435.9	424.4	378.4	332.3



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	729.1	468.0	457.0	413.1	369.2
115°	735.9	516.0	505.9	465.3	424.8
117.5°	749.6	562.5	553.3	516.6	479.8
120°	760.7	589.7	581.0	546.4	511.8
122.5°	776.7	621.6	612.9	578.0	543.1
125°	798.3	662.6	654.7	622.9	591.0
127.5°	819.8	702.3	694.2	662.1	629.9
130°	835.5	728.7	720.0	685.5	650.8
132.5°	848.3	750.3	741.6	707.0	672.4
135°	862.2	775.3	767.4	735.9	704.3
137.5°	883.0	807.3	799.5	768.3	737.0
140°	895.8	828.8	821.6	792.9	764.1
142.5°	906.5	844.8	838.2	811.6	785.0
145°	920.4	869.2	863.3	840.2	817.0
147.5°	940.8	899.8	894.1	871.6	849.0
150°	951.4	915.7	910.6	890.3	869.9
152.5°	958.4	926.2	922.4	906.9	891.4
155°	973.7	949.1	946.3	934.9	923.4
157.5°	989.0	972.0	969.3	958.2	947.1
160°	995.9	982.5	980.4	971.7	963.0
162.5°	1003.4	993.6	992.0	985.5	979.0
165°	1014.0	1009.6	1008.2	1002.3	996.4
167.5°	1022.4	1018.7	1018.0	1015.2	1012.4
170°	1029.3	1029.1	1028.4	1025.6	1022.8
172.5°	1029.8	1029.8	1029.6	1029.0	1028.4
175°	1034.0	1036.1	1036.1	1036.1	1036.1
177.5°	1034.4	1036.1	1036.1	1036.1	1036.1
180°	1036.1	1036.1	1036.1	1036.1	1036.1



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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	10.83	11.57	11.90	12.65	14.11	13.65	14.40	14.73	15.47	16.94
	3H	11.30	11.96	12.38	13.05	14.53	14.99	15.65	16.07	16.74	18.22
	4H	11.48	12.11	12.58	13.20	14.69	15.43	16.06	16.52	17.14	18.63
	6H	11.60	12.18	12.70	13.26	14.77	15.70	16.28	16.80	17.37	18.87
	8H	11.59	12.15	12.70	13.25	14.75	15.77	16.33	16.88	17.43	18.92
	12H	11.56	12.09	12.67	13.18	14.70	15.81	16.33	16.92	17.43	18.95
4H	2H	11.85	12.48	12.95	13.56	15.05	14.05	14.68	15.15	15.76	17.25
	3H	12.86	13.39	13.97	14.50	16.00	15.54	16.07	16.65	17.18	18.68
	4H	13.13	13.62	14.24	14.72	16.24	16.06	16.55	17.17	17.65	19.17
	6H	13.25	13.67	14.37	14.79	16.30	16.42	16.83	17.54	17.96	19.47
	8H	13.25	13.64	14.37	14.76	16.29	16.52	16.91	17.64	18.03	19.56
	12H	13.22	13.57	14.35	14.69	16.23	16.57	16.92	17.71	18.05	19.59
8H	4H	13.58	13.96	14.69	15.08	16.61	16.18	16.56	17.30	17.68	19.21
	6H	13.83	14.15	14.97	15.31	16.84	16.61	16.93	17.75	18.09	19.61
	8H	13.87	14.15	15.02	15.29	16.84	16.76	17.04	17.90	18.18	19.72
	12H	13.85	14.10	15.00	15.23	16.82	16.85	17.10	18.00	18.23	19.81
12H	4H	13.58	13.93	14.71	15.06	16.59	16.14	16.49	17.27	17.62	19.15
	6H	13.89	14.17	15.04	15.31	16.86	16.60	16.88	17.75	18.02	19.57
	8H	13.95	14.20	15.10	15.33	16.92	16.76	17.00	17.91	18.14	19.72