

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: P935591

Luminaire Tested: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-5000K

Issue Date: 12/17/2024

**Test Information**

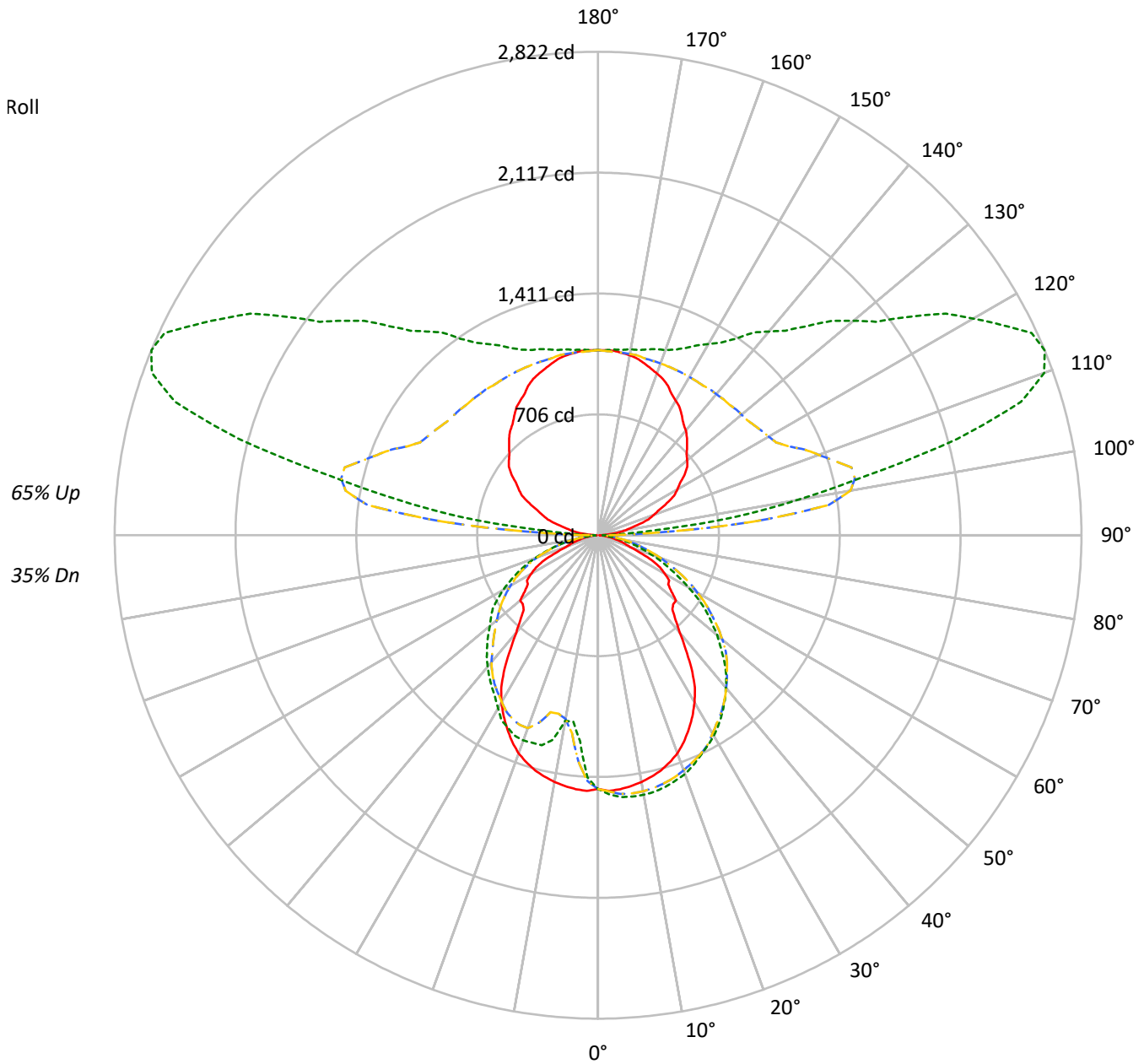
Test Method: LM-79-2019  
Report Number: P935591  
REPORT IS A COMBINATION OF REPORTS P933759 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10850.2 lumens  
Efficiency: N/A  
Efficacy: 130.1 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	104	104	104	104	94	94	94	94	75	75	75	58	58	58	43	43	43
1	95	90	87	83	85	82	79	76	66	64	62	51	50	49	38	37	36
2	86	79	73	68	78	72	66	62	58	54	51	45	43	41	33	32	30
3	78	69	62	56	71	63	57	52	51	47	43	40	37	34	29	28	26
4	72	61	54	48	65	56	49	44	45	40	36	35	32	29	26	24	22
5	66	54	46	41	59	50	43	38	40	35	31	32	28	25	24	21	19
6	60	49	41	35	54	44	37	32	36	31	27	29	25	22	21	19	17
7	56	44	36	31	50	40	33	28	33	28	24	26	22	19	20	17	15
8	52	40	32	27	47	36	30	25	30	25	21	24	20	17	18	15	13
9	48	36	29	24	43	33	27	22	27	22	19	22	18	15	16	14	12
10	45	33	26	21	41	30	24	20	25	20	17	20	16	14	15	13	11

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

	0°	90°	180°	270°
0°	9161	9161	9161	9161
5°	9226	9247	9226	7271
10°	9161	9109	9161	6513
15°	9058	8912	9058	7442
20°	8865	8678	8865	7457
25°	8474	8337	8474	7299
30°	7969	8054	7969	6952
35°	7101	7696	7101	6571
40°	5913	7274	5913	6283
45°	5280	6781	5280	5952
50°	5605	6192	5605	5619
55°	5269	5558	5269	5426
60°	5425	4720	5425	4971
65°	4910	3902	4910	4362
70°	3392	3110	3392	3657
75°	2963	2299	2963	2753
80°	2373	1520	2373	1655
85°	1335	804	1335	684

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 8098 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.7	1.2
10°-20°	379.5	3.5
20°-30°	586.7	5.4
30°-40°	700.4	6.5
40°-50°	704.5	6.5
50°-60°	613.0	5.6
60°-70°	434.6	4.0
70°-80°	229.9	2.1
80°-90°	61.4	0.6
90°-100°	526.8	4.9
100°-110°	1385.1	12.8
110°-120°	1436.2	13.2
120°-130°	1152.0	10.6
130°-140°	903.9	8.3
140°-150°	693.8	6.4
150°-160°	499.6	4.6
160°-170°	305.7	2.8
170°-180°	103.3	1.0
0°-30°	1099.9	10.1
0°-40°	1800.3	16.6
0°-60°	3117.8	28.7
0°-90°	3843.7	35.4
90°-120°	3348.1	30.9
90°-150°	6097.8	56.2
90°-180°	7006.0	64.6
0°-180°	10850.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1481	1481	1481	1481	1481	
5°	1488	1534	1488	1206	1488	141
15°	1421	1520	1421	1269	1421	400
25°	1251	1418	1251	1241	1251	574
35°	951	1265	951	1080	951	589
45°	614	1042	614	915	614	492
55°	500	769	500	751	500	460
65°	347	464	347	518	347	332
75°	132	220	132	263	132	138
85°	22	56	22	48	22	30
90°	7	28	7	28	7	7
95°	70	318	70	318	70	77
105°	250	2169	250	2169	250	265
115°	443	2793	443	2793	443	438
125°	616	2224	616	2224	616	547
135°	735	1726	735	1726	735	569
145°	852	1400	852	1400	852	534
155°	963	1206	963	1206	963	443
165°	1039	1123	1039	1123	1039	293
175°	1081	1088	1081	1088	1081	103
180°	1081	1081	1081	1081	1081	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9
2.5°	1493.5	1493.5	1501.9	1504.7	1504.7	1500.5	1496.3	1500.5	1513.1	1517.3	1515.9
5°	1487.9	1499.1	1514.5	1517.3	1520.1	1518.7	1515.9	1518.7	1532.7	1535.5	1536.9
7.5°	1476.7	1497.7	1517.3	1521.5	1525.7	1521.5	1520.1	1522.9	1536.9	1539.7	1539.7
10°	1462.6	1492.1	1514.5	1517.3	1521.5	1517.3	1517.3	1522.9	1536.9	1539.7	1541.1
12.5°	1443.0	1483.7	1504.7	1507.5	1513.1	1511.7	1510.3	1515.9	1529.9	1532.7	1532.7
15°	1420.6	1468.2	1487.9	1490.7	1500.5	1497.7	1497.7	1503.3	1518.7	1522.9	1521.5
17.5°	1389.8	1448.6	1471.1	1475.3	1482.3	1480.9	1482.3	1487.9	1501.9	1504.7	1506.1
20°	1354.8	1422.0	1448.6	1452.8	1459.8	1459.8	1459.8	1466.8	1480.9	1486.5	1486.5
22.5°	1307.1	1394.0	1422.0	1424.8	1433.2	1433.2	1436.0	1445.8	1458.4	1459.8	1459.8
25°	1251.1	1363.2	1387.0	1395.4	1403.8	1408.0	1412.2	1417.8	1422.0	1420.6	1422.0
27.5°	1192.3	1323.9	1354.8	1360.4	1371.6	1375.8	1381.4	1382.8	1384.2	1388.4	1385.6
30°	1126.4	1269.3	1315.5	1321.1	1339.4	1342.2	1336.6	1339.4	1346.4	1349.2	1352.0
32.5°	1052.2	1188.0	1274.9	1287.5	1304.3	1295.9	1294.5	1298.7	1309.9	1309.9	1312.7
35°	951.3	1125.0	1237.1	1248.3	1260.9	1251.1	1256.7	1258.1	1265.1	1269.3	1267.9
37.5°	840.6	1070.4	1197.9	1206.3	1216.1	1203.5	1211.9	1216.1	1221.7	1218.9	1218.9
40°	742.5	984.9	1151.6	1157.2	1165.6	1155.8	1164.2	1167.0	1169.8	1167.0	1165.6
42.5°	669.7	891.0	1102.6	1109.6	1104.0	1111.0	1113.8	1119.4	1115.2	1109.6	1109.6
45°	613.6	865.8	1049.3	1057.8	1049.3	1060.6	1064.8	1064.8	1052.2	1049.3	1047.9
47.5°	595.4	815.4	996.1	996.1	991.9	1005.9	1012.9	1003.1	990.5	986.3	986.3
50°	594.0	759.3	923.3	917.7	937.3	954.1	947.1	937.3	927.5	912.1	912.1
52.5°	539.4	690.7	829.4	850.4	881.2	891.0	879.8	870.0	853.2	846.2	840.6
55°	500.2	619.2	743.9	786.0	818.2	830.8	809.8	800.0	774.8	770.6	767.7
57.5°	491.8	515.6	665.5	718.7	757.9	756.5	743.9	725.7	704.7	700.5	699.1
60°	451.1	372.7	581.4	644.5	685.1	680.9	669.7	652.9	633.3	630.4	627.6
62.5°	409.1	270.4	486.1	557.6	615.0	613.6	603.8	578.6	564.6	557.6	552.0
65°	347.4	227.0	346.0	463.7	546.4	549.2	528.2	510.0	494.6	486.1	484.7
67.5°	264.8	184.9	234.0	386.7	480.5	477.7	451.1	442.7	423.1	418.9	410.5
70°	196.1	123.3	162.5	313.8	416.1	409.1	388.1	378.3	360.1	350.2	344.6
72.5°	162.5	99.5	119.1	243.8	350.2	341.8	323.6	312.4	297.0	288.6	283.0
75°	131.7	105.1	91.1	180.7	284.4	278.8	262.0	250.8	238.2	227.0	228.4
77.5°	96.7	98.1	72.9	133.1	225.6	217.2	207.3	193.3	187.7	176.5	176.5
80°	72.9	77.1	54.6	91.1	162.5	162.5	154.1	144.3	134.5	128.9	128.9
82.5°	49.0	49.0	40.6	57.4	110.7	106.5	100.9	98.1	92.5	89.7	89.7
85°	22.4	28.0	25.2	35.0	60.2	63.0	63.0	60.2	58.8	56.0	57.4
87.5°	7.0	12.6	15.4	19.6	30.8	32.2	33.6	33.6	33.6	35.0	35.0
90°	7.3	13.1	18.9	20.3	31.8	47.4	55.1	48.9	36.7	27.6	27.6
92.5°	29.0	78.4	127.7	140.0	196.8	272.5	310.5	272.1	195.4	137.9	132.3
95°	69.7	159.9	250.1	272.7	484.3	766.4	907.5	809.8	614.4	467.8	451.2
97.5°	120.4	200.0	279.6	299.5	652.3	1122.8	1357.9	1296.2	1172.7	1080.1	1048.5
100°	159.6	231.8	304.0	322.0	713.5	1235.5	1496.5	1500.9	1510.0	1516.7	1479.1
102.5°	193.0	260.3	327.7	344.6	741.6	1270.9	1535.6	1614.2	1771.6	1889.6	1857.4
105°	249.6	306.6	363.6	377.9	762.3	1275.0	1531.3	1707.6	2060.3	2324.8	2307.4
107.5°	307.6	360.7	413.9	427.2	766.3	1218.2	1444.2	1690.3	2182.2	2551.1	2555.3
110°	346.7	394.7	442.7	454.8	760.4	1167.9	1371.7	1646.6	2196.7	2609.2	2627.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	385.2	430.9	476.7	488.2	760.6	1124.0	1305.6	1587.1	2150.0	2572.1	2599.9
115°	443.2	485.4	527.7	538.3	767.7	1073.6	1226.6	1497.8	2040.0	2446.7	2485.2
117.5°	500.5	538.9	577.2	586.8	781.9	1042.1	1172.2	1416.9	1906.3	2273.4	2315.9
120°	533.9	570.0	606.1	615.1	793.5	1031.4	1150.4	1374.0	1821.1	2156.5	2198.0
122.5°	566.6	603.0	639.4	648.5	810.2	1025.9	1133.8	1335.2	1737.8	2039.8	2080.6
125°	616.5	649.8	682.9	691.3	832.8	1021.3	1115.7	1286.7	1628.7	1885.3	1922.9
127.5°	657.2	690.7	724.2	732.6	855.3	1018.7	1100.4	1247.3	1541.0	1761.2	1793.0
130°	678.9	715.1	751.1	760.2	871.6	1020.2	1094.6	1225.3	1486.7	1682.9	1712.2
132.5°	701.4	737.6	773.6	782.7	885.0	1021.3	1089.5	1206.5	1440.6	1616.1	1642.3
135°	734.8	767.7	800.5	808.8	899.4	1020.4	1080.8	1178.8	1374.8	1521.9	1544.5
137.5°	768.9	801.5	834.1	842.2	921.2	1026.7	1079.3	1162.2	1327.9	1452.2	1470.7
140°	797.2	827.2	857.1	864.6	934.5	1027.7	1074.3	1145.8	1289.0	1396.3	1413.7
142.5°	818.9	846.7	874.4	881.3	945.7	1031.4	1074.3	1137.1	1262.9	1357.2	1372.1
145°	852.3	876.5	900.7	906.7	960.2	1031.4	1067.0	1118.5	1221.3	1298.4	1309.7
147.5°	885.7	909.2	932.8	938.7	981.4	1038.5	1067.0	1107.4	1188.4	1249.1	1258.5
150°	907.5	928.8	950.0	955.3	992.6	1042.2	1067.0	1101.2	1169.6	1220.8	1228.4
152.5°	929.9	946.0	962.2	966.2	999.8	1044.6	1067.0	1096.1	1154.5	1198.3	1204.0
155°	963.3	975.3	987.1	990.1	1015.7	1049.9	1067.0	1090.3	1136.7	1171.5	1175.3
157.5°	988.0	999.6	1011.1	1014.0	1031.7	1055.2	1067.0	1085.0	1121.2	1148.3	1150.9
160°	1004.6	1013.7	1022.7	1025.0	1039.0	1057.7	1067.0	1082.5	1113.4	1136.7	1138.2
162.5°	1021.3	1028.1	1034.9	1036.6	1046.7	1060.3	1067.0	1080.1	1106.1	1125.8	1127.2
165°	1039.4	1045.6	1051.8	1053.3	1057.8	1063.9	1067.0	1076.3	1095.1	1109.1	1110.6
167.5°	1056.2	1059.1	1062.0	1062.7	1066.5	1071.7	1074.3	1080.5	1092.7	1101.8	1102.5
170°	1067.0	1069.9	1072.8	1073.5	1073.8	1074.1	1074.3	1080.5	1092.7	1101.8	1101.8
172.5°	1072.8	1073.4	1074.1	1074.3	1074.3	1074.3	1074.3	1079.1	1088.8	1096.0	1095.5
175°	1080.8	1080.8	1080.8	1080.8	1078.7	1075.8	1074.3	1077.4	1083.5	1088.1	1088.1
177.5°	1080.8	1080.8	1080.8	1080.8	1079.1	1076.8	1075.7	1078.1	1083.0	1086.6	1086.0
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9
2.5°	1518.7	1514.5	1518.7	1515.9	1517.3	1513.1	1500.5	1496.3	1500.5	1504.7	1504.7
5°	1536.9	1534.1	1536.9	1536.9	1535.5	1532.7	1518.7	1515.9	1518.7	1520.1	1517.3
7.5°	1542.5	1538.3	1542.5	1539.7	1539.7	1536.9	1522.9	1520.1	1521.5	1525.7	1521.5
10°	1542.5	1538.3	1542.5	1541.1	1539.7	1536.9	1522.9	1517.3	1517.3	1521.5	1517.3
12.5°	1535.5	1532.7	1535.5	1532.7	1532.7	1529.9	1515.9	1510.3	1511.7	1513.1	1507.5
15°	1524.3	1520.1	1524.3	1521.5	1522.9	1518.7	1503.3	1497.7	1497.7	1500.5	1490.7
17.5°	1507.5	1501.9	1507.5	1506.1	1504.7	1501.9	1487.9	1482.3	1480.9	1482.3	1475.3
20°	1487.9	1483.7	1487.9	1486.5	1486.5	1480.9	1466.8	1459.8	1459.8	1459.8	1452.8
22.5°	1457.0	1452.8	1457.0	1459.8	1459.8	1458.4	1445.8	1436.0	1433.2	1433.2	1424.8
25°	1422.0	1417.8	1422.0	1422.0	1420.6	1422.0	1417.8	1412.2	1408.0	1403.8	1395.4
27.5°	1388.4	1385.6	1388.4	1385.6	1388.4	1384.2	1382.8	1381.4	1375.8	1371.6	1360.4
30°	1354.8	1352.0	1354.8	1352.0	1349.2	1346.4	1339.4	1336.6	1342.2	1339.4	1321.1
32.5°	1312.7	1309.9	1312.7	1312.7	1309.9	1309.9	1298.7	1294.5	1295.9	1304.3	1287.5
35°	1269.3	1265.1	1269.3	1267.9	1269.3	1265.1	1258.1	1256.7	1251.1	1260.9	1248.3
37.5°	1218.9	1214.7	1218.9	1218.9	1218.9	1221.7	1216.1	1211.9	1203.5	1216.1	1206.3
40°	1167.0	1161.4	1167.0	1165.6	1167.0	1169.8	1167.0	1164.2	1155.8	1165.6	1157.2
42.5°	1108.2	1106.8	1108.2	1109.6	1109.6	1115.2	1119.4	1113.8	1111.0	1104.0	1109.6
45°	1045.1	1042.3	1045.1	1047.9	1049.3	1052.2	1064.8	1064.8	1060.6	1049.3	1057.8
47.5°	977.9	970.9	977.9	986.3	986.3	990.5	1003.1	1012.9	1005.9	991.9	996.1
50°	906.4	907.8	906.4	912.1	912.1	927.5	937.3	947.1	954.1	937.3	917.7
52.5°	836.4	835.0	836.4	840.6	846.2	853.2	870.0	879.8	891.0	881.2	850.4
55°	766.3	769.1	766.3	767.7	770.6	774.8	800.0	809.8	830.8	818.2	786.0
57.5°	696.3	692.1	696.3	699.1	700.5	704.7	725.7	743.9	756.5	757.9	718.7
60°	615.0	609.4	615.0	627.6	630.4	633.3	652.9	669.7	680.9	685.1	644.5
62.5°	543.6	533.8	543.6	552.0	557.6	564.6	578.6	603.8	613.6	615.0	557.6
65°	467.9	463.7	467.9	484.7	486.1	494.6	510.0	528.2	549.2	546.4	463.7
67.5°	399.3	399.3	399.3	410.5	418.9	423.1	442.7	451.1	477.7	480.5	386.7
70°	336.2	334.8	336.2	344.6	350.2	360.1	378.3	388.1	409.1	416.1	313.8
72.5°	276.0	274.6	276.0	283.0	288.6	297.0	312.4	323.6	341.8	350.2	243.8
75°	222.8	220.0	222.8	228.4	227.0	238.2	250.8	262.0	278.8	284.4	180.7
77.5°	170.9	170.9	170.9	176.5	176.5	187.7	193.3	207.3	217.2	225.6	133.1
80°	127.5	126.1	127.5	128.9	128.9	134.5	144.3	154.1	162.5	162.5	91.1
82.5°	89.7	86.9	89.7	89.7	89.7	92.5	98.1	100.9	106.5	110.7	57.4
85°	56.0	56.0	56.0	57.4	56.0	58.8	60.2	63.0	63.0	60.2	35.0
87.5°	36.4	35.0	36.4	35.0	35.0	33.6	33.6	33.6	32.2	30.8	19.6
90°	27.6	27.6	27.6	27.6	27.6	36.7	48.9	55.1	47.4	31.8	20.3
92.5°	110.4	88.4	110.4	132.3	137.9	195.4	272.1	310.5	272.5	196.8	140.0
95°	384.8	318.4	384.8	451.2	467.8	614.4	809.8	907.5	766.4	484.3	272.7
97.5°	922.1	795.8	922.1	1048.5	1080.1	1172.7	1296.2	1357.9	1122.8	652.3	299.5
100°	1328.6	1178.1	1328.6	1479.1	1516.7	1510.0	1500.9	1496.5	1235.5	713.5	322.0
102.5°	1728.4	1599.5	1728.4	1857.4	1889.6	1771.6	1614.2	1535.6	1270.9	741.6	344.6
105°	2238.1	2168.8	2238.1	2307.4	2324.8	2060.3	1707.6	1531.3	1275.0	762.3	377.9
107.5°	2572.0	2588.9	2572.0	2555.3	2551.1	2182.2	1690.3	1444.2	1218.2	766.3	427.2
110°	2699.4	2771.6	2699.4	2627.2	2609.2	2196.7	1646.6	1371.7	1167.9	760.4	454.8





TEST NUMBER: P935591

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2710.7	2821.7	2710.7	2599.9	2572.1	2150.0	1587.1	1305.6	1124.0	760.6	488.2
115°	2638.9	2792.7	2638.9	2485.2	2446.7	2040.0	1497.8	1226.6	1073.6	767.7	538.3
117.5°	2486.5	2657.0	2486.5	2315.9	2273.4	1906.3	1416.9	1172.2	1042.1	781.9	586.8
120°	2363.7	2529.4	2363.7	2198.0	2156.5	1821.1	1374.0	1150.4	1031.4	793.5	615.1
122.5°	2244.0	2407.5	2244.0	2080.6	2039.8	1737.8	1335.2	1133.8	1025.9	810.2	648.5
125°	2073.5	2224.0	2073.5	1922.9	1885.3	1628.7	1286.7	1115.7	1021.3	832.8	691.3
127.5°	1920.0	2047.0	1920.0	1793.0	1761.2	1541.0	1247.3	1100.4	1018.7	855.3	732.6
130°	1829.6	1946.9	1829.6	1712.2	1682.9	1486.7	1225.3	1094.6	1020.2	871.6	760.2
132.5°	1747.5	1852.6	1747.5	1642.3	1616.1	1440.6	1206.5	1089.5	1021.3	885.0	782.7
135°	1635.1	1725.7	1635.1	1544.5	1521.9	1374.8	1178.8	1080.8	1020.4	899.4	808.8
137.5°	1544.8	1619.0	1544.8	1470.7	1452.2	1327.9	1162.2	1079.3	1026.7	921.2	842.2
140°	1483.0	1552.3	1483.0	1413.7	1396.3	1289.0	1145.8	1074.3	1027.7	934.5	864.6
142.5°	1431.7	1491.4	1431.7	1372.1	1357.2	1262.9	1137.1	1074.3	1031.4	945.7	881.3
145°	1354.9	1400.0	1354.9	1309.7	1298.4	1221.3	1118.5	1067.0	1031.4	960.2	906.7
147.5°	1295.9	1333.3	1295.9	1258.5	1249.1	1188.4	1107.4	1067.0	1038.5	981.4	938.7
150°	1258.8	1289.0	1258.8	1228.4	1220.8	1169.6	1101.2	1067.0	1042.2	992.6	955.3
152.5°	1226.9	1249.8	1226.9	1204.0	1198.3	1154.5	1096.1	1067.0	1044.6	999.8	966.2
155°	1190.5	1205.6	1190.5	1175.3	1171.5	1136.7	1090.3	1067.0	1049.9	1015.7	990.1
157.5°	1161.5	1172.2	1161.5	1150.9	1148.3	1121.2	1085.0	1067.0	1055.2	1031.7	1014.0
160°	1144.3	1150.4	1144.3	1138.2	1136.7	1113.4	1082.5	1067.0	1057.7	1039.0	1025.0
162.5°	1133.0	1138.8	1133.0	1127.2	1125.8	1106.1	1080.1	1067.0	1060.3	1046.7	1036.6
165°	1116.8	1122.9	1116.8	1110.6	1109.1	1095.1	1076.3	1067.0	1063.9	1057.8	1053.3
167.5°	1105.0	1107.6	1105.0	1102.5	1101.8	1092.7	1080.5	1074.3	1071.7	1066.5	1062.7
170°	1101.8	1101.8	1101.8	1101.8	1101.8	1092.7	1080.5	1074.3	1074.1	1073.8	1073.5
172.5°	1093.2	1091.0	1093.2	1095.5	1096.0	1088.8	1079.1	1074.3	1074.3	1074.3	1074.3
175°	1088.1	1088.1	1088.1	1088.1	1088.1	1083.5	1077.4	1074.3	1075.8	1078.7	1080.8
177.5°	1083.4	1080.8	1083.4	1086.0	1086.6	1083.0	1078.1	1075.7	1076.8	1079.1	1080.8
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



TEST NUMBER: P935591

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9
2.5°	1501.9	1493.5	1493.5	1479.5	1473.9	1469.6	1462.6	1441.6	1436.0	1430.4	1438.8
5°	1514.5	1499.1	1487.9	1462.6	1441.6	1433.2	1406.6	1356.2	1322.5	1297.3	1283.3
7.5°	1517.3	1497.7	1476.7	1437.4	1387.0	1364.6	1283.3	1190.9	1165.6	1143.2	1129.2
10°	1514.5	1492.1	1462.6	1403.8	1284.7	1245.5	1164.2	1104.0	1088.6	1084.4	1088.6
12.5°	1504.7	1483.7	1443.0	1345.0	1178.2	1151.6	1104.0	1069.0	1066.2	1073.2	1111.0
15°	1487.9	1468.2	1420.6	1266.5	1119.4	1099.8	1066.2	1053.6	1069.0	1118.0	1231.5
17.5°	1471.1	1448.6	1389.8	1189.4	1074.6	1060.6	1036.7	1062.0	1148.8	1214.7	1252.5
20°	1448.6	1422.0	1354.8	1133.4	1042.3	1029.7	1018.5	1132.0	1197.9	1221.7	1242.7
22.5°	1422.0	1394.0	1307.1	1094.2	1008.7	998.9	1005.9	1171.2	1197.9	1214.7	1232.9
25°	1387.0	1363.2	1251.1	1063.4	982.1	970.9	997.5	1167.0	1182.4	1186.6	1223.1
27.5°	1354.8	1323.9	1192.3	1035.3	949.9	945.7	1004.5	1148.8	1160.0	1164.2	1203.5
30°	1315.5	1269.3	1126.4	1005.9	916.3	914.9	1005.9	1126.4	1123.6	1134.8	1174.0
32.5°	1274.9	1188.0	1052.2	969.5	884.0	882.6	996.1	1092.8	1090.0	1105.4	1134.8
35°	1237.1	1125.0	951.3	927.5	843.4	844.8	972.3	1053.6	1055.0	1069.0	1087.2
37.5°	1197.9	1070.4	840.6	881.2	804.2	804.2	940.1	1017.1	1014.3	1018.5	1043.7
40°	1151.6	984.9	742.5	821.0	767.7	763.5	900.8	977.9	968.1	966.7	1001.7
42.5°	1102.6	891.0	669.7	741.1	725.7	720.1	853.2	930.3	912.1	916.3	961.1
45°	1049.3	865.8	613.6	626.2	682.3	678.1	801.4	875.6	863.0	874.2	920.5
47.5°	996.1	815.4	595.4	519.8	636.1	634.7	743.9	822.4	815.4	826.6	875.6
50°	923.3	759.3	594.0	445.5	584.2	589.8	675.3	770.6	770.6	780.4	832.2
52.5°	829.4	690.7	539.4	403.5	524.0	540.8	615.0	725.7	728.5	738.3	784.6
55°	743.9	619.2	500.2	371.3	452.5	488.9	556.2	679.5	685.1	694.9	736.9
57.5°	665.5	515.6	491.8	333.4	386.7	421.7	504.4	634.7	637.5	645.9	686.5
60°	581.4	372.7	451.1	292.8	329.2	355.9	456.7	581.4	591.2	596.8	631.9
62.5°	486.1	270.4	409.1	264.8	301.2	306.8	417.5	531.0	543.6	547.8	568.8
65°	346.0	227.0	347.4	241.0	271.8	273.2	375.5	479.1	490.4	497.4	512.8
67.5°	234.0	184.9	264.8	218.6	249.4	250.8	334.8	418.9	434.3	439.9	449.7
70°	162.5	123.3	196.1	194.7	224.2	227.0	291.4	364.3	378.3	382.5	388.1
72.5°	119.1	99.5	162.5	175.1	197.5	200.3	246.6	302.6	316.6	320.8	323.6
75°	91.1	105.1	131.7	152.7	168.1	169.5	201.7	246.6	256.4	259.2	260.6
77.5°	72.9	98.1	96.7	123.3	137.3	134.5	158.3	190.5	198.9	198.9	198.9
80°	54.6	77.1	72.9	88.3	100.9	98.1	113.5	135.9	138.7	141.5	140.1
82.5°	40.6	49.0	49.0	56.0	67.2	64.4	75.7	88.3	88.3	88.3	91.1
85°	25.2	28.0	22.4	29.4	37.8	36.4	42.0	47.6	49.0	49.0	46.2
87.5°	15.4	12.6	7.0	11.2	16.8	16.8	19.6	21.0	19.6	19.6	19.6
90°	18.9	13.1	7.3	13.1	18.9	20.3	31.8	47.4	55.1	48.9	36.7
92.5°	127.7	78.4	29.0	78.4	127.7	140.0	196.8	272.5	310.5	272.1	195.4
95°	250.1	159.9	69.7	159.9	250.1	272.7	484.3	766.4	907.5	809.8	614.4
97.5°	279.6	200.0	120.4	200.0	279.6	299.5	652.3	1122.8	1357.9	1296.2	1172.7
100°	304.0	231.8	159.6	231.8	304.0	322.0	713.5	1235.5	1496.5	1500.9	1510.0
102.5°	327.7	260.3	193.0	260.3	327.7	344.6	741.6	1270.9	1535.6	1614.2	1771.6
105°	363.6	306.6	249.6	306.6	363.6	377.9	762.3	1275.0	1531.3	1707.6	2060.3
107.5°	413.9	360.7	307.6	360.7	413.9	427.2	766.3	1218.2	1444.2	1690.3	2182.2
110°	442.7	394.7	346.7	394.7	442.7	454.8	760.4	1167.9	1371.7	1646.6	2196.7



TEST NUMBER: P935591

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	476.7	430.9	385.2	430.9	476.7	488.2	760.6	1124.0	1305.6	1587.1	2150.0
115°	527.7	485.4	443.2	485.4	527.7	538.3	767.7	1073.6	1226.6	1497.8	2040.0
117.5°	577.2	538.9	500.5	538.9	577.2	586.8	781.9	1042.1	1172.2	1416.9	1906.3
120°	606.1	570.0	533.9	570.0	606.1	615.1	793.5	1031.4	1150.4	1374.0	1821.1
122.5°	639.4	603.0	566.6	603.0	639.4	648.5	810.2	1025.9	1133.8	1335.2	1737.8
125°	682.9	649.8	616.5	649.8	682.9	691.3	832.8	1021.3	1115.7	1286.7	1628.7
127.5°	724.2	690.7	657.2	690.7	724.2	732.6	855.3	1018.7	1100.4	1247.3	1541.0
130°	751.1	715.1	678.9	715.1	751.1	760.2	871.6	1020.2	1094.6	1225.3	1486.7
132.5°	773.6	737.6	701.4	737.6	773.6	782.7	885.0	1021.3	1089.5	1206.5	1440.6
135°	800.5	767.7	734.8	767.7	800.5	808.8	899.4	1020.4	1080.8	1178.8	1374.8
137.5°	834.1	801.5	768.9	801.5	834.1	842.2	921.2	1026.7	1079.3	1162.2	1327.9
140°	857.1	827.2	797.2	827.2	857.1	864.6	934.5	1027.7	1074.3	1145.8	1289.0
142.5°	874.4	846.7	818.9	846.7	874.4	881.3	945.7	1031.4	1074.3	1137.1	1262.9
145°	900.7	876.5	852.3	876.5	900.7	906.7	960.2	1031.4	1067.0	1118.5	1221.3
147.5°	932.8	909.2	885.7	909.2	932.8	938.7	981.4	1038.5	1067.0	1107.4	1188.4
150°	950.0	928.8	907.5	928.8	950.0	955.3	992.6	1042.2	1067.0	1101.2	1169.6
152.5°	962.2	946.0	929.9	946.0	962.2	966.2	999.8	1044.6	1067.0	1096.1	1154.5
155°	987.1	975.3	963.3	975.3	987.1	990.1	1015.7	1049.9	1067.0	1090.3	1136.7
157.5°	1011.1	999.6	988.0	999.6	1011.1	1014.0	1031.7	1055.2	1067.0	1085.0	1121.2
160°	1022.7	1013.7	1004.6	1013.7	1022.7	1025.0	1039.0	1057.7	1067.0	1082.5	1113.4
162.5°	1034.9	1028.1	1021.3	1028.1	1034.9	1036.6	1046.7	1060.3	1067.0	1080.1	1106.1
165°	1051.8	1045.6	1039.4	1045.6	1051.8	1053.3	1057.8	1063.9	1067.0	1076.3	1095.1
167.5°	1062.0	1059.1	1056.2	1059.1	1062.0	1062.7	1066.5	1071.7	1074.3	1080.5	1092.7
170°	1072.8	1069.9	1067.0	1069.9	1072.8	1073.5	1073.8	1074.1	1074.3	1080.5	1092.7
172.5°	1074.1	1073.4	1072.8	1073.4	1074.1	1074.3	1074.3	1074.3	1074.3	1079.1	1088.8
175°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1078.7	1075.8	1074.3	1077.4	1083.5
177.5°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1079.1	1076.8	1075.7	1078.1	1083.0
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



TEST NUMBER: P935591

CATALOG NUMBER: SQ4-FA-125U-075D-B2750-1D-UNV-STD-W-6-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9	1480.9
2.5°	1429.0	1424.8	1430.4	1415.0	1430.4	1424.8	1429.0	1438.8	1430.4	1436.0	1441.6
5°	1253.9	1246.9	1224.5	1206.3	1224.5	1246.9	1253.9	1283.3	1297.3	1322.5	1356.2
7.5°	1120.8	1115.2	1109.6	1098.4	1109.6	1115.2	1120.8	1129.2	1143.2	1165.6	1190.9
10°	1091.4	1092.8	1101.2	1099.8	1101.2	1092.8	1091.4	1088.6	1084.4	1088.6	1104.0
12.5°	1167.0	1179.6	1225.9	1223.1	1225.9	1179.6	1167.0	1111.0	1073.2	1066.2	1069.0
15°	1253.9	1258.1	1267.9	1269.3	1267.9	1258.1	1253.9	1231.5	1118.0	1069.0	1053.6
17.5°	1262.3	1263.7	1270.7	1270.7	1270.7	1263.7	1262.3	1252.5	1214.7	1148.8	1062.0
20°	1255.3	1258.1	1272.1	1274.9	1272.1	1258.1	1255.3	1242.7	1221.7	1197.9	1132.0
22.5°	1252.5	1258.1	1269.3	1267.9	1269.3	1258.1	1252.5	1232.9	1214.7	1197.9	1171.2
25°	1238.5	1238.5	1239.9	1241.3	1239.9	1238.5	1238.5	1223.1	1186.6	1182.4	1167.0
27.5°	1209.1	1211.9	1220.3	1218.9	1220.3	1211.9	1209.1	1203.5	1164.2	1160.0	1148.8
30°	1182.4	1179.6	1172.6	1167.0	1172.6	1179.6	1182.4	1174.0	1134.8	1123.6	1126.4
32.5°	1137.6	1130.6	1123.6	1119.4	1123.6	1130.6	1137.6	1134.8	1105.4	1090.0	1092.8
35°	1084.4	1085.8	1084.4	1080.2	1084.4	1085.8	1084.4	1087.2	1069.0	1055.0	1053.6
37.5°	1046.5	1049.3	1047.9	1042.3	1047.9	1049.3	1046.5	1043.7	1018.5	1014.3	1017.1
40°	1007.3	1008.7	1007.3	1003.1	1007.3	1008.7	1007.3	1001.7	966.7	968.1	977.9
42.5°	969.5	968.1	963.9	961.1	963.9	968.1	969.5	961.1	916.3	912.1	930.3
45°	926.1	927.5	919.1	914.9	919.1	927.5	926.1	920.5	874.2	863.0	875.6
47.5°	882.6	882.6	875.6	871.4	875.6	882.6	882.6	875.6	826.6	815.4	822.4
50°	836.4	835.0	825.2	823.8	825.2	835.0	836.4	832.2	780.4	770.6	770.6
52.5°	783.2	783.2	784.6	787.4	784.6	783.2	783.2	784.6	738.3	728.5	725.7
55°	736.9	738.3	748.1	750.9	748.1	738.3	736.9	736.9	694.9	685.1	679.5
57.5°	689.3	689.3	696.3	696.3	696.3	689.3	689.3	689.3	686.5	645.9	637.5
60°	634.7	637.5	643.1	641.7	643.1	637.5	634.7	631.9	596.8	591.2	581.4
62.5°	577.2	580.0	581.4	578.6	581.4	580.0	577.2	568.8	547.8	543.6	531.0
65°	517.0	519.8	521.2	518.4	521.2	519.8	517.0	512.8	497.4	490.4	479.1
67.5°	455.3	453.9	452.5	458.1	452.5	453.9	455.3	449.7	439.9	434.3	418.9
70°	392.3	392.3	390.9	393.7	390.9	392.3	392.3	388.1	382.5	378.3	364.3
72.5°	325.0	323.6	329.2	325.0	329.2	323.6	325.0	323.6	320.8	316.6	302.6
75°	259.2	262.0	259.2	263.4	259.2	262.0	259.2	260.6	259.2	256.4	246.6
77.5°	197.5	200.3	197.5	197.5	197.5	200.3	197.5	198.9	198.9	198.9	190.5
80°	140.1	138.7	138.7	137.3	138.7	138.7	140.1	140.1	141.5	138.7	135.9
82.5°	89.7	88.3	88.3	91.1	88.3	88.3	89.7	91.1	88.3	88.3	88.3
85°	49.0	50.4	47.6	47.6	47.6	50.4	49.0	46.2	49.0	49.0	47.6
87.5°	18.2	16.8	16.8	16.8	16.8	16.8	18.2	19.6	19.6	19.6	21.0
90°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	36.7	48.9	55.1	47.4
92.5°	137.9	132.3	110.4	88.4	110.4	132.3	137.9	195.4	272.1	310.5	272.5
95°	467.8	451.2	384.8	318.4	384.8	451.2	467.8	614.4	809.8	907.5	766.4
97.5°	1080.1	1048.5	922.1	795.8	922.1	1048.5	1080.1	1172.7	1296.2	1357.9	1122.8
100°	1516.7	1479.1	1328.6	1178.1	1328.6	1479.1	1516.7	1510.0	1500.9	1496.5	1235.5
102.5°	1889.6	1857.4	1728.4	1599.5	1728.4	1857.4	1889.6	1771.6	1614.2	1535.6	1270.9
105°	2324.8	2307.4	2238.1	2168.8	2238.1	2307.4	2324.8	2060.3	1707.6	1531.3	1275.0
107.5°	2551.1	2555.3	2572.0	2588.9	2572.0	2555.3	2551.1	2182.2	1690.3	1444.2	1218.2
110°	2609.2	2627.2	2699.4	2771.6	2699.4	2627.2	2609.2	2196.7	1646.6	1371.7	1167.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2572.1	2599.9	2710.7	2821.7	2710.7	2599.9	2572.1	2150.0	1587.1	1305.6	1124.0
115°	2446.7	2485.2	2638.9	2792.7	2638.9	2485.2	2446.7	2040.0	1497.8	1226.6	1073.6
117.5°	2273.4	2315.9	2486.5	2657.0	2486.5	2315.9	2273.4	1906.3	1416.9	1172.2	1042.1
120°	2156.5	2198.0	2363.7	2529.4	2363.7	2198.0	2156.5	1821.1	1374.0	1150.4	1031.4
122.5°	2039.8	2080.6	2244.0	2407.5	2244.0	2080.6	2039.8	1737.8	1335.2	1133.8	1025.9
125°	1885.3	1922.9	2073.5	2224.0	2073.5	1922.9	1885.3	1628.7	1286.7	1115.7	1021.3
127.5°	1761.2	1793.0	1920.0	2047.0	1920.0	1793.0	1761.2	1541.0	1247.3	1100.4	1018.7
130°	1682.9	1712.2	1829.6	1946.9	1829.6	1712.2	1682.9	1486.7	1225.3	1094.6	1020.2
132.5°	1616.1	1642.3	1747.5	1852.6	1747.5	1642.3	1616.1	1440.6	1206.5	1089.5	1021.3
135°	1521.9	1544.5	1635.1	1725.7	1635.1	1544.5	1521.9	1374.8	1178.8	1080.8	1020.4
137.5°	1452.2	1470.7	1544.8	1619.0	1544.8	1470.7	1452.2	1327.9	1162.2	1079.3	1026.7
140°	1396.3	1413.7	1483.0	1552.3	1483.0	1413.7	1396.3	1289.0	1145.8	1074.3	1027.7
142.5°	1357.2	1372.1	1431.7	1491.4	1431.7	1372.1	1357.2	1262.9	1137.1	1074.3	1031.4
145°	1298.4	1309.7	1354.9	1400.0	1354.9	1309.7	1298.4	1221.3	1118.5	1067.0	1031.4
147.5°	1249.1	1258.5	1295.9	1333.3	1295.9	1258.5	1249.1	1188.4	1107.4	1067.0	1038.5
150°	1220.8	1228.4	1258.8	1289.0	1258.8	1228.4	1220.8	1169.6	1101.2	1067.0	1042.2
152.5°	1198.3	1204.0	1226.9	1249.8	1226.9	1204.0	1198.3	1154.5	1096.1	1067.0	1044.6
155°	1171.5	1175.3	1190.5	1205.6	1190.5	1175.3	1171.5	1136.7	1090.3	1067.0	1049.9
157.5°	1148.3	1150.9	1161.5	1172.2	1161.5	1150.9	1148.3	1121.2	1085.0	1067.0	1055.2
160°	1136.7	1138.2	1144.3	1150.4	1144.3	1138.2	1136.7	1113.4	1082.5	1067.0	1057.7
162.5°	1125.8	1127.2	1133.0	1138.8	1133.0	1127.2	1125.8	1106.1	1080.1	1067.0	1060.3
165°	1109.1	1110.6	1116.8	1122.9	1116.8	1110.6	1109.1	1095.1	1076.3	1067.0	1063.9
167.5°	1101.8	1102.5	1105.0	1107.6	1105.0	1102.5	1101.8	1092.7	1080.5	1074.3	1071.7
170°	1101.8	1101.8	1101.8	1101.8	1101.8	1101.8	1101.8	1092.7	1080.5	1074.3	1074.1
172.5°	1096.0	1095.5	1093.2	1091.0	1093.2	1095.5	1096.0	1088.8	1079.1	1074.3	1074.3
175°	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1088.1	1083.5	1077.4	1074.3	1075.8
177.5°	1086.6	1086.0	1083.4	1080.8	1083.4	1086.0	1086.6	1083.0	1078.1	1075.7	1076.8
180°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	1480.9	1480.9	1480.9	1480.9	1480.9
2.5°	1462.6	1469.6	1473.9	1479.5	1493.5
5°	1406.6	1433.2	1441.6	1462.6	1487.9
7.5°	1283.3	1364.6	1387.0	1437.4	1476.7
10°	1164.2	1245.5	1284.7	1403.8	1462.6
12.5°	1104.0	1151.6	1178.2	1345.0	1443.0
15°	1066.2	1099.8	1119.4	1266.5	1420.6
17.5°	1036.7	1060.6	1074.6	1189.4	1389.8
20°	1018.5	1029.7	1042.3	1133.4	1354.8
22.5°	1005.9	998.9	1008.7	1094.2	1307.1
25°	997.5	970.9	982.1	1063.4	1251.1
27.5°	1004.5	945.7	949.9	1035.3	1192.3
30°	1005.9	914.9	916.3	1005.9	1126.4
32.5°	996.1	882.6	884.0	969.5	1052.2
35°	972.3	844.8	843.4	927.5	951.3
37.5°	940.1	804.2	804.2	881.2	840.6
40°	900.8	763.5	767.7	821.0	742.5
42.5°	853.2	720.1	725.7	741.1	669.7
45°	801.4	678.1	682.3	626.2	613.6
47.5°	743.9	634.7	636.1	519.8	595.4
50°	675.3	589.8	584.2	445.5	594.0
52.5°	615.0	540.8	524.0	403.5	539.4
55°	556.2	488.9	452.5	371.3	500.2
57.5°	504.4	421.7	386.7	333.4	491.8
60°	456.7	355.9	329.2	292.8	451.1
62.5°	417.5	306.8	301.2	264.8	409.1
65°	375.5	273.2	271.8	241.0	347.4
67.5°	334.8	250.8	249.4	218.6	264.8
70°	291.4	227.0	224.2	194.7	196.1
72.5°	246.6	200.3	197.5	175.1	162.5
75°	201.7	169.5	168.1	152.7	131.7
77.5°	158.3	134.5	137.3	123.3	96.7
80°	113.5	98.1	100.9	88.3	72.9
82.5°	75.7	64.4	67.2	56.0	49.0
85°	42.0	36.4	37.8	29.4	22.4
87.5°	19.6	16.8	16.8	11.2	7.0
90°	31.8	20.3	18.9	13.1	7.3
92.5°	196.8	140.0	127.7	78.4	29.0
95°	484.3	272.7	250.1	159.9	69.7
97.5°	652.3	299.5	279.6	200.0	120.4
100°	713.5	322.0	304.0	231.8	159.6
102.5°	741.6	344.6	327.7	260.3	193.0
105°	762.3	377.9	363.6	306.6	249.6
107.5°	766.3	427.2	413.9	360.7	307.6
110°	760.4	454.8	442.7	394.7	346.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	760.6	488.2	476.7	430.9	385.2
115°	767.7	538.3	527.7	485.4	443.2
117.5°	781.9	586.8	577.2	538.9	500.5
120°	793.5	615.1	606.1	570.0	533.9
122.5°	810.2	648.5	639.4	603.0	566.6
125°	832.8	691.3	682.9	649.8	616.5
127.5°	855.3	732.6	724.2	690.7	657.2
130°	871.6	760.2	751.1	715.1	678.9
132.5°	885.0	782.7	773.6	737.6	701.4
135°	899.4	808.8	800.5	767.7	734.8
137.5°	921.2	842.2	834.1	801.5	768.9
140°	934.5	864.6	857.1	827.2	797.2
142.5°	945.7	881.3	874.4	846.7	818.9
145°	960.2	906.7	900.7	876.5	852.3
147.5°	981.4	938.7	932.8	909.2	885.7
150°	992.6	955.3	950.0	928.8	907.5
152.5°	999.8	966.2	962.2	946.0	929.9
155°	1015.7	990.1	987.1	975.3	963.3
157.5°	1031.7	1014.0	1011.1	999.6	988.0
160°	1039.0	1025.0	1022.7	1013.7	1004.6
162.5°	1046.7	1036.6	1034.9	1028.1	1021.3
165°	1057.8	1053.3	1051.8	1045.6	1039.4
167.5°	1066.5	1062.7	1062.0	1059.1	1056.2
170°	1073.8	1073.5	1072.8	1069.9	1067.0
172.5°	1074.3	1074.3	1074.1	1073.4	1072.8
175°	1078.7	1080.8	1080.8	1080.8	1080.8
177.5°	1079.1	1080.8	1080.8	1080.8	1080.8
180°	1080.8	1080.8	1080.8	1080.8	1080.8



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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	10.98	11.72	12.05	12.79	14.26	13.80	14.54	14.87	15.62	17.08
	3H	11.44	12.11	12.53	13.19	14.68	15.14	15.80	16.22	16.88	18.37
	4H	11.63	12.26	12.72	13.35	14.84	15.57	16.20	16.67	17.29	18.78
	6H	11.74	12.32	12.85	13.41	14.91	15.85	16.43	16.95	17.52	19.02
	8H	11.74	12.29	12.85	13.40	14.89	15.92	16.47	17.03	17.58	19.07
	12H	11.71	12.23	12.82	13.33	14.85	15.95	16.48	17.06	17.58	19.10
4H	2H	11.99	12.62	13.09	13.71	15.20	14.20	14.83	15.30	15.91	17.40
	3H	13.01	13.54	14.12	14.65	16.15	15.69	16.21	16.80	17.33	18.83
	4H	13.28	13.76	14.39	14.86	16.39	16.21	16.69	17.32	17.79	19.32
	6H	13.40	13.81	14.52	14.94	16.45	16.57	16.98	17.69	18.11	19.62
	8H	13.40	13.79	14.52	14.90	16.44	16.67	17.06	17.79	18.17	19.70
	12H	13.36	13.71	14.50	14.84	16.38	16.72	17.07	17.86	18.20	19.74
8H	4H	13.72	14.11	14.84	15.23	16.76	16.33	16.71	17.44	17.83	19.36
	6H	13.98	14.30	15.12	15.46	16.99	16.76	17.07	17.90	18.23	19.76
	8H	14.02	14.30	15.17	15.44	16.99	16.91	17.18	18.05	18.32	19.87
	12H	14.00	14.25	15.15	15.38	16.96	17.00	17.24	18.15	18.38	19.96
12H	4H	13.72	14.07	14.86	15.20	16.74	16.28	16.63	17.42	17.76	19.30
	6H	14.04	14.32	15.19	15.46	17.01	16.75	17.03	17.90	18.17	19.72
	8H	14.10	14.35	15.25	15.48	17.07	16.91	17.15	18.06	18.29	19.87