

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: P935347

Luminaire Tested: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-5000K

Issue Date: 12/17/2024

**Test Information**

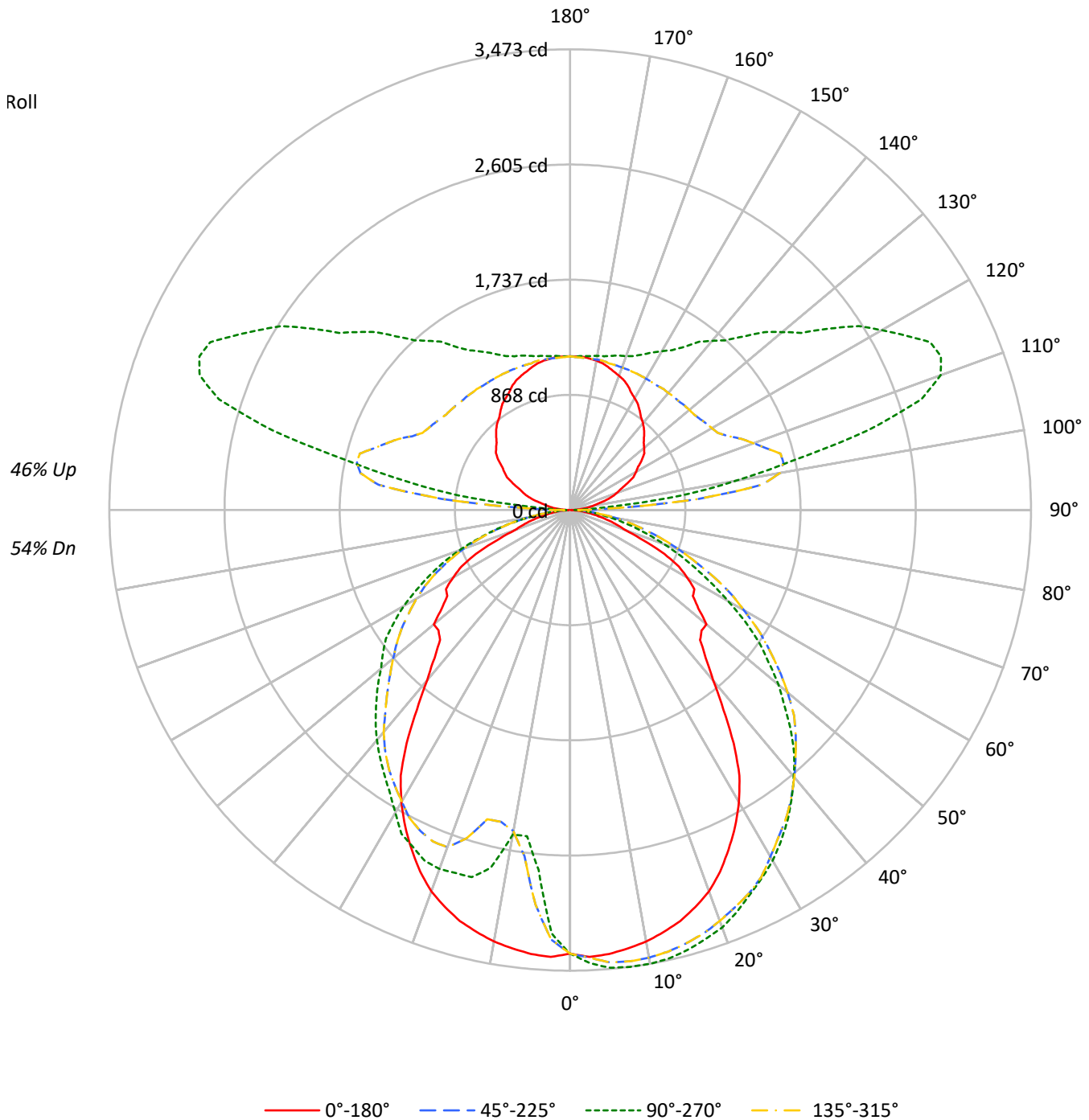
Test Method: LM-79-2019  
Report Number: P935347  
REPORT IS A COMBINATION OF REPORTS P933752 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-5000K  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16184.5 lumens  
Efficiency: N/A  
Efficacy: 117.6 lumens/watt  
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36  
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')  
CIE Type: General Diffuse  
  
Input Watts (W): 137.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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

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

	0°	90°	180°	270°
0°	15513	15513	15513	15513
5°	15629	15660	15629	12313
10°	15524	15425	15524	11028
15°	15356	15091	15356	12602
20°	15035	14695	15035	12628
25°	14378	14118	14378	12360
30°	13528	13639	13528	11773
35°	12060	13032	12060	11127
40°	10049	12319	10049	10639
45°	8979	11483	8979	10078
50°	9539	10486	9539	9516
55°	8975	9413	8975	9190
60°	9251	7994	9251	8417
65°	8388	6608	8388	7387
70°	5809	5266	5809	6192
75°	5092	3893	5092	4662
80°	4104	2574	4104	2802
85°	2357	1364	2357	1159

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13761 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	301.8	1.9
10°-20°	856.9	5.3
20°-30°	1324.7	8.2
30°-40°	1581.4	9.8
40°-50°	1590.7	9.8
50°-60°	1384.1	8.6
60°-70°	981.3	6.1
70°-80°	519.2	3.2
80°-90°	133.7	0.8
90°-100°	564.8	3.5
100°-110°	1484.7	9.2
110°-120°	1539.5	9.5
120°-130°	1234.9	7.6
130°-140°	968.9	6.0
140°-150°	743.7	4.6
150°-160°	535.6	3.3
160°-170°	327.7	2.0
170°-180°	110.7	0.7
0°-30°	2483.5	15.3
0°-40°	4064.9	25.1
0°-60°	7039.6	43.5
0°-90°	8673.8	53.6
90°-120°	3589.0	22.2
90°-150°	6536.6	40.4
90°-180°	7511.0	46.4
0°-180°	16184.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3344	3344	3344	3344	3344	
5°	3359	3464	3359	2724	3359	319
15°	3208	3432	3208	2866	3208	902
25°	2825	3201	2825	2803	2825	1297
35°	2148	2856	2148	2439	2148	1329
45°	1386	2354	1386	2066	1386	1110
55°	1129	1737	1129	1696	1129	1038
65°	784	1047	784	1170	784	750
75°	297	497	297	595	297	313
85°	51	127	51	108	51	68
90°	8	30	8	30	8	9
95°	75	341	75	341	75	83
105°	268	2325	268	2325	268	284
115°	475	2994	475	2994	475	469
125°	661	2384	661	2384	661	587
135°	788	1850	788	1850	788	609
145°	914	1501	914	1501	914	572
155°	1033	1292	1033	1292	1033	474
165°	1114	1204	1114	1204	1114	314
175°	1159	1166	1159	1166	1159	110
180°	1159	1159	1159	1159	1159	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6
2.5°	3372.0	3372.0	3391.0	3397.4	3397.4	3387.9	3378.4	3387.9	3416.4	3425.9	3422.7
5°	3359.4	3384.8	3419.5	3425.9	3432.1	3429.1	3422.7	3429.1	3460.7	3467.0	3470.2
7.5°	3334.1	3381.6	3425.9	3435.3	3444.9	3435.3	3432.1	3438.5	3470.2	3476.5	3476.5
10°	3302.5	3369.0	3419.5	3425.9	3435.3	3425.9	3425.9	3438.5	3470.2	3476.5	3479.6
12.5°	3258.2	3349.9	3397.4	3403.7	3416.4	3413.2	3410.1	3422.7	3454.3	3460.7	3460.7
15°	3207.6	3315.1	3359.4	3365.8	3387.9	3381.6	3381.6	3394.2	3429.1	3438.5	3435.3
17.5°	3138.0	3270.8	3321.5	3330.9	3346.8	3343.6	3346.8	3359.4	3391.0	3397.4	3400.6
20°	3058.9	3210.7	3270.8	3280.4	3296.1	3296.1	3296.1	3311.9	3343.6	3356.2	3356.2
22.5°	2951.3	3147.5	3210.7	3217.1	3236.0	3236.0	3242.4	3264.6	3293.0	3296.1	3296.1
25°	2824.9	3077.9	3131.6	3150.6	3169.6	3179.1	3188.7	3201.3	3210.7	3207.6	3210.7
27.5°	2692.0	2989.3	3058.9	3071.5	3096.9	3106.4	3119.0	3122.2	3125.4	3134.8	3128.5
30°	2543.3	2866.0	2970.3	2983.0	3024.1	3030.4	3017.8	3024.1	3039.9	3046.3	3052.6
32.5°	2375.6	2682.5	2878.6	2907.1	2945.1	2926.1	2922.9	2932.4	2957.7	2957.7	2964.0
35°	2147.9	2540.2	2793.2	2818.5	2846.9	2824.9	2837.5	2840.7	2856.5	2866.0	2862.8
37.5°	1898.0	2416.8	2704.7	2723.6	2745.8	2717.3	2736.3	2745.8	2758.4	2752.1	2752.1
40°	1676.6	2223.8	2600.3	2612.9	2631.9	2609.7	2628.7	2635.0	2641.4	2635.0	2631.9
42.5°	1512.1	2011.9	2489.5	2505.3	2492.7	2508.5	2514.8	2527.4	2518.0	2505.3	2505.3
45°	1385.5	1954.9	2369.3	2388.3	2369.3	2394.6	2404.2	2404.2	2375.6	2369.3	2366.1
47.5°	1344.4	1841.0	2249.1	2249.1	2239.6	2271.2	2287.0	2264.9	2236.5	2226.9	2226.9
50°	1341.2	1714.5	2084.6	2072.0	2116.3	2154.2	2138.4	2116.3	2094.1	2059.3	2059.3
52.5°	1217.8	1559.5	1872.7	1920.2	1989.7	2011.9	1986.5	1964.4	1926.4	1910.6	1898.0
55°	1129.3	1398.2	1679.8	1774.6	1847.4	1875.9	1828.4	1806.2	1749.3	1739.9	1733.5
57.5°	1110.3	1164.1	1502.5	1622.7	1711.4	1708.2	1679.8	1638.6	1591.2	1581.6	1578.5
60°	1018.5	841.4	1312.8	1455.2	1546.8	1537.4	1512.1	1474.1	1429.8	1423.5	1417.2
62.5°	923.7	610.5	1097.6	1259.0	1388.7	1385.5	1363.4	1306.4	1274.8	1259.0	1246.3
65°	784.5	512.5	781.3	1047.1	1233.7	1240.0	1192.6	1151.5	1116.6	1097.6	1094.5
67.5°	597.8	417.5	528.3	873.1	1085.0	1078.7	1018.5	999.6	955.4	945.8	926.9
70°	442.9	278.4	367.0	708.6	939.5	923.7	876.2	854.1	813.0	790.9	778.1
72.5°	367.0	224.6	268.9	550.4	790.9	771.9	730.8	705.4	670.7	651.7	639.0
75°	297.3	237.2	205.6	408.1	642.1	629.5	591.6	566.2	537.7	512.5	515.6
77.5°	218.3	221.4	164.5	300.5	509.3	490.3	468.2	436.5	423.9	398.6	398.6
80°	164.5	173.9	123.4	205.6	367.0	367.0	348.0	325.8	303.7	291.1	291.1
82.5°	110.7	110.7	91.7	129.7	249.9	240.4	227.8	221.4	208.8	202.5	202.5
85°	50.6	63.3	56.9	79.1	136.0	142.4	142.4	136.0	132.8	126.6	129.7
87.5°	15.8	28.5	34.8	44.3	69.6	72.7	75.9	75.9	75.9	79.1	79.1
90°	7.8	14.0	20.2	21.8	34.2	50.8	59.1	52.5	39.4	29.5	29.5
92.5°	31.1	84.0	136.9	150.1	211.0	292.2	332.8	291.6	209.5	147.8	141.9
95°	74.7	171.4	268.2	292.4	519.1	821.5	972.7	868.1	658.6	501.6	483.8
97.5°	129.1	214.4	299.9	321.2	699.3	1203.5	1455.6	1389.4	1257.1	1157.8	1124.0
100°	171.1	248.4	325.9	345.3	764.9	1324.4	1604.1	1609.0	1618.6	1625.9	1585.5
102.5°	206.9	279.0	351.3	369.3	794.9	1362.3	1646.1	1730.4	1899.1	2025.6	1991.0
105°	267.5	328.6	389.8	405.1	817.2	1366.7	1641.4	1830.4	2208.5	2492.1	2473.5
107.5°	329.7	386.7	443.7	458.0	821.4	1305.9	1548.2	1811.8	2339.2	2734.7	2739.2
110°	371.6	423.1	474.6	487.5	815.2	1251.9	1470.4	1765.2	2354.7	2796.9	2816.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	412.9	461.9	511.1	523.3	815.4	1204.9	1399.6	1701.4	2304.7	2757.3	2787.0
115°	475.1	520.4	565.7	577.0	822.9	1150.9	1314.9	1605.5	2186.8	2622.8	2664.0
117.5°	536.5	577.6	618.8	629.1	838.2	1117.1	1256.5	1518.8	2043.5	2436.9	2482.6
120°	572.3	611.0	649.7	659.3	850.7	1105.8	1233.3	1472.9	1952.2	2311.7	2356.1
122.5°	607.3	646.3	685.4	695.1	868.5	1099.7	1215.3	1431.1	1862.8	2186.6	2230.4
125°	660.9	696.5	732.2	741.0	892.6	1094.8	1195.9	1379.3	1745.9	2020.9	2061.3
127.5°	704.5	740.4	776.4	785.3	916.8	1092.0	1179.6	1337.0	1651.8	1887.9	1921.9
130°	727.8	766.5	805.2	814.9	934.3	1093.7	1173.3	1313.4	1593.8	1804.0	1835.4
132.5°	751.9	790.6	829.3	839.0	948.6	1094.8	1167.9	1293.4	1544.2	1732.4	1760.5
135°	787.7	822.9	858.2	867.0	964.2	1093.8	1158.6	1263.6	1473.8	1631.3	1655.6
137.5°	824.2	859.1	894.0	902.7	987.5	1100.5	1157.0	1245.8	1423.5	1556.7	1576.6
140°	854.5	886.7	918.8	926.9	1001.7	1101.6	1151.6	1228.3	1381.8	1496.8	1515.4
142.5°	877.9	907.6	937.3	944.7	1013.7	1105.6	1151.6	1219.0	1353.7	1454.9	1470.9
145°	913.7	939.6	965.6	972.0	1029.3	1105.7	1143.8	1198.9	1309.1	1391.9	1403.9
147.5°	949.4	974.6	999.9	1006.2	1052.1	1113.2	1143.8	1187.2	1273.9	1339.0	1349.0
150°	972.7	995.6	1018.4	1024.1	1064.0	1117.2	1143.8	1180.4	1253.7	1308.7	1316.8
152.5°	996.9	1014.2	1031.4	1035.7	1071.7	1119.8	1143.8	1175.1	1237.6	1284.6	1290.7
155°	1032.6	1045.4	1058.2	1061.4	1088.8	1125.5	1143.8	1168.7	1218.5	1255.8	1259.8
157.5°	1059.0	1071.5	1084.0	1087.1	1105.9	1131.2	1143.8	1163.1	1201.8	1230.9	1233.7
160°	1077.0	1086.7	1096.3	1098.7	1113.8	1133.8	1143.8	1160.4	1193.6	1218.5	1220.2
162.5°	1094.8	1102.1	1109.4	1111.2	1122.0	1136.5	1143.8	1157.8	1185.8	1206.8	1208.4
165°	1114.3	1120.8	1127.3	1129.0	1134.0	1140.5	1143.8	1153.8	1173.9	1188.9	1190.6
167.5°	1132.1	1135.2	1138.4	1139.1	1143.2	1148.8	1151.6	1158.1	1171.3	1181.1	1181.7
170°	1143.8	1146.9	1150.1	1150.8	1151.1	1151.4	1151.6	1158.1	1171.3	1181.1	1181.1
172.5°	1150.1	1150.7	1151.4	1151.6	1151.6	1151.6	1151.6	1156.8	1167.2	1174.9	1174.4
175°	1158.6	1158.6	1158.6	1158.6	1156.2	1153.1	1151.6	1154.8	1161.4	1166.3	1166.3
177.5°	1158.6	1158.6	1158.6	1158.6	1156.8	1154.4	1153.1	1155.8	1160.9	1164.8	1164.2
180°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6
2.5°	3429.1	3419.5	3429.1	3422.7	3425.9	3416.4	3387.9	3378.4	3387.9	3397.4	3397.4
5°	3470.2	3463.8	3470.2	3470.2	3467.0	3460.7	3429.1	3422.7	3429.1	3432.1	3425.9
7.5°	3482.8	3473.3	3482.8	3476.5	3476.5	3470.2	3438.5	3432.1	3435.3	3444.9	3435.3
10°	3482.8	3473.3	3482.8	3479.6	3476.5	3470.2	3438.5	3425.9	3425.9	3435.3	3425.9
12.5°	3467.0	3460.7	3467.0	3460.7	3460.7	3454.3	3422.7	3410.1	3413.2	3416.4	3403.7
15°	3441.7	3432.1	3441.7	3435.3	3438.5	3429.1	3394.2	3381.6	3381.6	3387.9	3365.8
17.5°	3403.7	3391.0	3403.7	3400.6	3397.4	3391.0	3359.4	3346.8	3343.6	3346.8	3330.9
20°	3359.4	3349.9	3359.4	3356.2	3356.2	3343.6	3311.9	3296.1	3296.1	3296.1	3280.4
22.5°	3289.8	3280.4	3289.8	3296.1	3296.1	3293.0	3264.6	3242.4	3236.0	3236.0	3217.1
25°	3210.7	3201.3	3210.7	3210.7	3207.6	3210.7	3201.3	3188.7	3179.1	3169.6	3150.6
27.5°	3134.8	3128.5	3134.8	3128.5	3134.8	3125.4	3122.2	3119.0	3106.4	3096.9	3071.5
30°	3058.9	3052.6	3058.9	3052.6	3046.3	3039.9	3024.1	3017.8	3030.4	3024.1	2983.0
32.5°	2964.0	2957.7	2964.0	2964.0	2957.7	2957.7	2932.4	2922.9	2926.1	2945.1	2907.1
35°	2866.0	2856.5	2866.0	2862.8	2866.0	2856.5	2840.7	2837.5	2824.9	2846.9	2818.5
37.5°	2752.1	2742.6	2752.1	2752.1	2752.1	2758.4	2745.8	2736.3	2717.3	2745.8	2723.6
40°	2635.0	2622.4	2635.0	2631.9	2635.0	2641.4	2635.0	2628.7	2609.7	2631.9	2612.9
42.5°	2502.2	2499.0	2502.2	2505.3	2505.3	2518.0	2527.4	2514.8	2508.5	2492.7	2505.3
45°	2359.9	2353.5	2359.9	2366.1	2369.3	2375.6	2404.2	2404.2	2394.6	2369.3	2388.3
47.5°	2208.0	2192.2	2208.0	2226.9	2226.9	2236.5	2264.9	2287.0	2271.2	2239.6	2249.1
50°	2046.6	2049.8	2046.6	2059.3	2059.3	2094.1	2116.3	2138.4	2154.2	2116.3	2072.0
52.5°	1888.5	1885.3	1888.5	1898.0	1910.6	1926.4	1964.4	1986.5	2011.9	1989.7	1920.2
55°	1730.3	1736.7	1730.3	1733.5	1739.9	1749.3	1806.2	1828.4	1875.9	1847.4	1774.6
57.5°	1572.2	1562.6	1572.2	1578.5	1581.6	1591.2	1638.6	1679.8	1708.2	1711.4	1622.7
60°	1388.7	1376.1	1388.7	1417.2	1423.5	1429.8	1474.1	1512.1	1537.4	1546.8	1455.2
62.5°	1227.4	1205.2	1227.4	1246.3	1259.0	1274.8	1306.4	1363.4	1385.5	1388.7	1259.0
65°	1056.5	1047.1	1056.5	1094.5	1097.6	1116.6	1151.5	1192.6	1240.0	1233.7	1047.1
67.5°	901.5	901.5	901.5	926.9	945.8	955.4	999.6	1018.5	1078.7	1085.0	873.1
70°	759.2	756.0	759.2	778.1	790.9	813.0	854.1	876.2	923.7	939.5	708.6
72.5°	623.2	620.0	623.2	639.0	651.7	670.7	705.4	730.8	771.9	790.9	550.4
75°	503.0	496.6	503.0	515.6	512.5	537.7	566.2	591.6	629.5	642.1	408.1
77.5°	385.9	385.9	385.9	398.6	398.6	423.9	436.5	468.2	490.3	509.3	300.5
80°	287.9	284.7	287.9	291.1	291.1	303.7	325.8	348.0	367.0	367.0	205.6
82.5°	202.5	196.1	202.5	202.5	202.5	208.8	221.4	227.8	240.4	249.9	129.7
85°	126.6	126.6	126.6	129.7	126.6	132.8	136.0	142.4	142.4	136.0	79.1
87.5°	82.3	79.1	82.3	79.1	79.1	75.9	75.9	75.9	72.7	69.6	44.3
90°	29.5	29.5	29.5	29.5	29.5	39.4	52.5	59.1	50.8	34.2	21.8
92.5°	118.4	94.9	118.4	141.9	147.8	209.5	291.6	332.8	292.2	211.0	150.1
95°	412.6	341.4	412.6	483.8	501.6	658.6	868.1	972.7	821.5	519.1	292.4
97.5°	988.5	853.0	988.5	1124.0	1157.8	1257.1	1389.4	1455.6	1203.5	699.3	321.2
100°	1424.2	1262.8	1424.2	1585.5	1625.9	1618.6	1609.0	1604.1	1324.4	764.9	345.3
102.5°	1852.8	1714.5	1852.8	1991.0	2025.6	1899.1	1730.4	1646.1	1362.3	794.9	369.3
105°	2399.2	2324.9	2399.2	2473.5	2492.1	2208.5	1830.4	1641.4	1366.7	817.2	405.1
107.5°	2757.2	2775.1	2757.2	2739.2	2734.7	2339.2	1811.8	1548.2	1305.9	821.4	458.0
110°	2893.7	2971.1	2893.7	2816.3	2796.9	2354.7	1765.2	1470.4	1251.9	815.2	487.5





TEST NUMBER: P935347

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2905.8	3024.7	2905.8	2787.0	2757.3	2304.7	1701.4	1399.6	1204.9	815.4	523.3
115°	2828.8	2993.7	2828.8	2664.0	2622.8	2186.8	1605.5	1314.9	1150.9	822.9	577.0
117.5°	2665.4	2848.2	2665.4	2482.6	2436.9	2043.5	1518.8	1256.5	1117.1	838.2	629.1
120°	2533.8	2711.4	2533.8	2356.1	2311.7	1952.2	1472.9	1233.3	1105.8	850.7	659.3
122.5°	2405.6	2580.7	2405.6	2230.4	2186.6	1862.8	1431.1	1215.3	1099.7	868.5	695.1
125°	2222.6	2384.1	2222.6	2061.3	2020.9	1745.9	1379.3	1195.9	1094.8	892.6	741.0
127.5°	2058.1	2194.3	2058.1	1921.9	1887.9	1651.8	1337.0	1179.6	1092.0	916.8	785.3
130°	1961.2	2087.0	1961.2	1835.4	1804.0	1593.8	1313.4	1173.3	1093.7	934.3	814.9
132.5°	1873.2	1985.9	1873.2	1760.5	1732.4	1544.2	1293.4	1167.9	1094.8	948.6	839.0
135°	1752.8	1849.9	1752.8	1655.6	1631.3	1473.8	1263.6	1158.6	1093.8	964.2	867.0
137.5°	1656.0	1735.6	1656.0	1576.6	1556.7	1423.5	1245.8	1157.0	1100.5	987.5	902.7
140°	1589.7	1664.0	1589.7	1515.4	1496.8	1381.8	1228.3	1151.6	1101.6	1001.7	926.9
142.5°	1534.8	1598.7	1534.8	1470.9	1454.9	1353.7	1219.0	1151.6	1105.6	1013.7	944.7
145°	1452.3	1500.7	1452.3	1403.9	1391.9	1309.1	1198.9	1143.8	1105.7	1029.3	972.0
147.5°	1389.1	1429.2	1389.1	1349.0	1339.0	1273.9	1187.2	1143.8	1113.2	1052.1	1006.2
150°	1349.2	1381.8	1349.2	1316.8	1308.7	1253.7	1180.4	1143.8	1117.2	1064.0	1024.1
152.5°	1315.2	1339.7	1315.2	1290.7	1284.6	1237.6	1175.1	1143.8	1119.8	1071.7	1035.7
155°	1276.1	1292.3	1276.1	1259.8	1255.8	1218.5	1168.7	1143.8	1125.5	1088.8	1061.4
157.5°	1245.1	1256.5	1245.1	1233.7	1230.9	1201.8	1163.1	1143.8	1131.2	1105.9	1087.1
160°	1226.7	1233.3	1226.7	1220.2	1218.5	1193.6	1160.4	1143.8	1133.8	1113.8	1098.7
162.5°	1214.6	1220.8	1214.6	1208.4	1206.8	1185.8	1157.8	1143.8	1136.5	1122.0	1111.2
165°	1197.2	1203.7	1197.2	1190.6	1188.9	1173.9	1153.8	1143.8	1140.5	1134.0	1129.0
167.5°	1184.6	1187.4	1184.6	1181.7	1181.1	1171.3	1158.1	1151.6	1148.8	1143.2	1139.1
170°	1181.1	1181.1	1181.1	1181.1	1181.1	1171.3	1158.1	1151.6	1151.4	1151.1	1150.8
172.5°	1171.9	1169.5	1171.9	1174.4	1174.9	1167.2	1156.8	1151.6	1151.6	1151.6	1151.6
175°	1166.3	1166.3	1166.3	1166.3	1166.3	1161.4	1154.8	1151.6	1153.1	1156.2	1158.6
177.5°	1161.4	1158.6	1161.4	1164.2	1164.8	1160.9	1155.8	1153.1	1154.4	1156.8	1158.6
180°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6



TEST NUMBER: P935347

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6
2.5°	3391.0	3372.0	3372.0	3340.5	3327.8	3318.3	3302.5	3255.0	3242.4	3229.7	3248.8
5°	3419.5	3384.8	3359.4	3302.5	3255.0	3236.0	3175.9	3062.1	2986.2	2929.2	2897.6
7.5°	3425.9	3381.6	3334.1	3245.6	3131.6	3081.1	2897.6	2688.8	2631.9	2581.3	2549.6
10°	3419.5	3369.0	3302.5	3169.6	2900.8	2812.2	2628.7	2492.7	2457.9	2448.4	2457.9
12.5°	3397.4	3349.9	3258.2	3036.8	2660.4	2600.3	2492.7	2413.6	2407.2	2423.1	2508.5
15°	3359.4	3315.1	3207.6	2859.6	2527.4	2483.2	2407.2	2378.8	2413.6	2524.4	2780.6
17.5°	3321.5	3270.8	3138.0	2685.7	2426.2	2394.6	2340.9	2397.8	2593.9	2742.6	2828.0
20°	3270.8	3210.7	3058.9	2559.1	2353.5	2325.0	2299.8	2556.0	2704.7	2758.4	2805.9
22.5°	3210.7	3147.5	2951.3	2470.5	2277.6	2255.4	2271.2	2644.6	2704.7	2742.6	2783.7
25°	3131.6	3077.9	2824.9	2401.0	2217.5	2192.2	2252.3	2635.0	2669.8	2679.3	2761.6
27.5°	3058.9	2989.3	2692.0	2337.7	2144.7	2135.2	2268.1	2593.9	2619.2	2628.7	2717.3
30°	2970.3	2866.0	2543.3	2271.2	2068.8	2065.6	2271.2	2543.3	2537.0	2562.3	2650.8
32.5°	2878.6	2682.5	2375.6	2189.0	1996.1	1992.9	2249.1	2467.3	2461.1	2495.9	2562.3
35°	2793.2	2540.2	2147.9	2094.1	1904.3	1907.5	2195.3	2378.8	2382.0	2413.6	2454.7
37.5°	2704.7	2416.8	1898.0	1989.7	1815.8	1815.8	2122.5	2296.6	2290.2	2299.8	2356.7
40°	2600.3	2223.8	1676.6	1853.7	1733.5	1724.0	2034.0	2208.0	2185.8	2182.7	2261.8
42.5°	2489.5	2011.9	1512.1	1673.4	1638.6	1625.9	1926.4	2100.5	2059.3	2068.8	2170.0
45°	2369.3	1954.9	1385.5	1414.0	1540.5	1531.0	1809.4	1977.1	1948.6	1973.9	2078.3
47.5°	2249.1	1841.0	1344.4	1173.6	1436.2	1433.0	1679.8	1856.9	1841.0	1866.3	1977.1
50°	2084.6	1714.5	1341.2	1005.9	1319.1	1331.8	1524.7	1739.9	1739.9	1761.9	1879.0
52.5°	1872.7	1559.5	1217.8	911.1	1183.1	1221.0	1388.7	1638.6	1644.9	1667.0	1771.5
55°	1679.8	1398.2	1129.3	838.2	1021.7	1104.0	1255.9	1534.2	1546.8	1569.0	1663.9
57.5°	1502.5	1164.1	1110.3	752.9	873.1	952.2	1138.8	1433.0	1439.3	1458.3	1550.0
60°	1312.8	841.4	1018.5	661.1	743.4	803.5	1031.3	1312.8	1334.9	1347.6	1426.6
62.5°	1097.6	610.5	923.7	597.8	680.1	692.8	942.7	1198.9	1227.4	1236.9	1284.3
65°	781.3	512.5	784.5	544.1	613.6	616.8	847.8	1081.8	1107.2	1123.0	1157.7
67.5°	528.3	417.5	597.8	493.4	563.1	566.2	756.0	945.8	980.6	993.3	1015.5
70°	367.0	278.4	442.9	439.7	506.1	512.5	657.9	822.4	854.1	863.6	876.2
72.5°	268.9	224.6	367.0	395.4	446.0	452.4	556.7	683.3	714.9	724.4	730.8
75°	205.6	237.2	297.3	344.8	379.6	382.8	455.5	556.7	578.9	585.2	588.4
77.5°	164.5	221.4	218.3	278.4	310.0	303.7	357.4	430.2	449.2	449.2	449.2
80°	123.4	173.9	164.5	199.3	227.8	221.4	256.2	306.9	313.1	319.5	316.3
82.5°	91.7	110.7	110.7	126.6	151.8	145.5	170.9	199.3	199.3	199.3	205.6
85°	56.9	63.3	50.6	66.5	85.4	82.3	94.9	107.6	110.7	110.7	104.4
87.5°	34.8	28.5	15.8	25.3	37.9	37.9	44.3	47.5	44.3	44.3	44.3
90°	20.2	14.0	7.8	14.0	20.2	21.8	34.2	50.8	59.1	52.5	39.4
92.5°	136.9	84.0	31.1	84.0	136.9	150.1	211.0	292.2	332.8	291.6	209.5
95°	268.2	171.4	74.7	171.4	268.2	292.4	519.1	821.5	972.7	868.1	658.6
97.5°	299.9	214.4	129.1	214.4	299.9	321.2	699.3	1203.5	1455.6	1389.4	1257.1
100°	325.9	248.4	171.1	248.4	325.9	345.3	764.9	1324.4	1604.1	1609.0	1618.6
102.5°	351.3	279.0	206.9	279.0	351.3	369.3	794.9	1362.3	1646.1	1730.4	1899.1
105°	389.8	328.6	267.5	328.6	389.8	405.1	817.2	1366.7	1641.4	1830.4	2208.5
107.5°	443.7	386.7	329.7	386.7	443.7	458.0	821.4	1305.9	1548.2	1811.8	2339.2
110°	474.6	423.1	371.6	423.1	474.6	487.5	815.2	1251.9	1470.4	1765.2	2354.7



TEST NUMBER: P935347

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	511.1	461.9	412.9	461.9	511.1	523.3	815.4	1204.9	1399.6	1701.4	2304.7
115°	565.7	520.4	475.1	520.4	565.7	577.0	822.9	1150.9	1314.9	1605.5	2186.8
117.5°	618.8	577.6	536.5	577.6	618.8	629.1	838.2	1117.1	1256.5	1518.8	2043.5
120°	649.7	611.0	572.3	611.0	649.7	659.3	850.7	1105.8	1233.3	1472.9	1952.2
122.5°	685.4	646.3	607.3	646.3	685.4	695.1	868.5	1099.7	1215.3	1431.1	1862.8
125°	732.2	696.5	660.9	696.5	732.2	741.0	892.6	1094.8	1195.9	1379.3	1745.9
127.5°	776.4	740.4	704.5	740.4	776.4	785.3	916.8	1092.0	1179.6	1337.0	1651.8
130°	805.2	766.5	727.8	766.5	805.2	814.9	934.3	1093.7	1173.3	1313.4	1593.8
132.5°	829.3	790.6	751.9	790.6	829.3	839.0	948.6	1094.8	1167.9	1293.4	1544.2
135°	858.2	822.9	787.7	822.9	858.2	867.0	964.2	1093.8	1158.6	1263.6	1473.8
137.5°	894.0	859.1	824.2	859.1	894.0	902.7	987.5	1100.5	1157.0	1245.8	1423.5
140°	918.8	886.7	854.5	886.7	918.8	926.9	1001.7	1101.6	1151.6	1228.3	1381.8
142.5°	937.3	907.6	877.9	907.6	937.3	944.7	1013.7	1105.6	1151.6	1219.0	1353.7
145°	965.6	939.6	913.7	939.6	965.6	972.0	1029.3	1105.7	1143.8	1198.9	1309.1
147.5°	999.9	974.6	949.4	974.6	999.9	1006.2	1052.1	1113.2	1143.8	1187.2	1273.9
150°	1018.4	995.6	972.7	995.6	1018.4	1024.1	1064.0	1117.2	1143.8	1180.4	1253.7
152.5°	1031.4	1014.2	996.9	1014.2	1031.4	1035.7	1071.7	1119.8	1143.8	1175.1	1237.6
155°	1058.2	1045.4	1032.6	1045.4	1058.2	1061.4	1088.8	1125.5	1143.8	1168.7	1218.5
157.5°	1084.0	1071.5	1059.0	1071.5	1084.0	1087.1	1105.9	1131.2	1143.8	1163.1	1201.8
160°	1096.3	1086.7	1077.0	1086.7	1096.3	1098.7	1113.8	1133.8	1143.8	1160.4	1193.6
162.5°	1109.4	1102.1	1094.8	1102.1	1109.4	1111.2	1122.0	1136.5	1143.8	1157.8	1185.8
165°	1127.3	1120.8	1114.3	1120.8	1127.3	1129.0	1134.0	1140.5	1143.8	1153.8	1173.9
167.5°	1138.4	1135.2	1132.1	1135.2	1138.4	1139.1	1143.2	1148.8	1151.6	1158.1	1171.3
170°	1150.1	1146.9	1143.8	1146.9	1150.1	1150.8	1151.1	1151.4	1151.6	1158.1	1171.3
172.5°	1151.4	1150.7	1150.1	1150.7	1151.4	1151.6	1151.6	1151.6	1151.6	1156.8	1167.2
175°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1156.2	1153.1	1151.6	1154.8	1161.4
177.5°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1156.8	1154.4	1153.1	1155.8	1160.9
180°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6



TEST NUMBER: P935347

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-5000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6	3343.6
2.5°	3226.6	3217.1	3229.7	3194.9	3229.7	3217.1	3226.6	3248.8	3229.7	3242.4	3255.0
5°	2831.1	2815.3	2764.8	2723.6	2764.8	2815.3	2831.1	2897.6	2929.2	2986.2	3062.1
7.5°	2530.6	2518.0	2505.3	2480.1	2505.3	2518.0	2530.6	2549.6	2581.3	2631.9	2688.8
10°	2464.3	2467.3	2486.3	2483.2	2486.3	2467.3	2464.3	2457.9	2448.4	2457.9	2492.7
12.5°	2635.0	2663.5	2767.9	2761.6	2767.9	2663.5	2635.0	2508.5	2423.1	2407.2	2413.6
15°	2831.1	2840.7	2862.8	2866.0	2862.8	2840.7	2831.1	2780.6	2524.4	2413.6	2378.8
17.5°	2850.1	2853.3	2869.1	2869.1	2869.1	2853.3	2850.1	2828.0	2742.6	2593.9	2397.8
20°	2834.3	2840.7	2872.3	2878.6	2872.3	2840.7	2834.3	2805.9	2758.4	2704.7	2556.0
22.5°	2828.0	2840.7	2866.0	2862.8	2866.0	2840.7	2828.0	2783.7	2742.6	2704.7	2644.6
25°	2796.4	2796.4	2799.5	2802.7	2799.5	2796.4	2796.4	2761.6	2679.3	2669.8	2635.0
27.5°	2729.9	2736.3	2755.2	2752.1	2755.2	2736.3	2729.9	2717.3	2628.7	2619.2	2593.9
30°	2669.8	2663.5	2647.6	2635.0	2647.6	2663.5	2669.8	2650.8	2562.3	2537.0	2543.3
32.5°	2568.6	2552.8	2537.0	2527.4	2537.0	2552.8	2568.6	2562.3	2495.9	2461.1	2467.3
35°	2448.4	2451.5	2448.4	2438.9	2448.4	2451.5	2448.4	2454.7	2413.6	2382.0	2378.8
37.5°	2363.0	2369.3	2366.1	2353.5	2366.1	2369.3	2363.0	2356.7	2299.8	2290.2	2296.6
40°	2274.4	2277.6	2274.4	2264.9	2274.4	2277.6	2274.4	2261.8	2182.7	2185.8	2208.0
42.5°	2189.0	2185.8	2176.4	2170.0	2176.4	2185.8	2189.0	2170.0	2068.8	2059.3	2100.5
45°	2090.9	2094.1	2075.1	2065.6	2075.1	2094.1	2090.9	2078.3	1973.9	1948.6	1977.1
47.5°	1992.9	1992.9	1977.1	1967.6	1977.1	1992.9	1992.9	1977.1	1866.3	1841.0	1856.9
50°	1888.5	1885.3	1863.1	1860.1	1863.1	1885.3	1888.5	1879.0	1761.9	1739.9	1739.9
52.5°	1768.3	1768.3	1771.5	1777.8	1771.5	1768.3	1768.3	1771.5	1667.0	1644.9	1638.6
55°	1663.9	1667.0	1689.2	1695.6	1689.2	1667.0	1663.9	1663.9	1569.0	1546.8	1534.2
57.5°	1556.4	1556.4	1572.2	1572.2	1572.2	1556.4	1556.4	1550.0	1458.3	1439.3	1433.0
60°	1433.0	1439.3	1452.0	1448.8	1452.0	1439.3	1433.0	1426.6	1347.6	1334.9	1312.8
62.5°	1303.3	1309.6	1312.8	1306.4	1312.8	1309.6	1303.3	1284.3	1236.9	1227.4	1198.9
65°	1167.3	1173.6	1176.8	1170.4	1176.8	1173.6	1167.3	1157.7	1123.0	1107.2	1081.8
67.5°	1028.1	1024.9	1021.7	1034.4	1021.7	1024.9	1028.1	1015.5	993.3	980.6	945.8
70°	885.7	885.7	882.5	888.9	882.5	885.7	885.7	876.2	863.6	854.1	822.4
72.5°	733.9	730.8	743.4	733.9	743.4	730.8	733.9	730.8	724.4	714.9	683.3
75°	585.2	591.6	585.2	594.7	585.2	591.6	585.2	588.4	585.2	578.9	556.7
77.5°	446.0	452.4	446.0	446.0	446.0	452.4	446.0	449.2	449.2	449.2	430.2
80°	316.3	313.1	313.1	310.0	313.1	313.1	316.3	316.3	319.5	313.1	306.9
82.5°	202.5	199.3	199.3	205.6	199.3	199.3	202.5	205.6	199.3	199.3	199.3
85°	110.7	113.8	107.6	107.6	107.6	113.8	110.7	104.4	110.7	110.7	107.6
87.5°	41.1	37.9	37.9	37.9	37.9	37.9	41.1	44.3	44.3	44.3	47.5
90°	29.5	29.5	29.5	29.5	29.5	29.5	29.5	39.4	52.5	59.1	50.8
92.5°	147.8	141.9	118.4	94.9	118.4	141.9	147.8	209.5	291.6	332.8	292.2
95°	501.6	483.8	412.6	341.4	412.6	483.8	501.6	658.6	868.1	972.7	821.5
97.5°	1157.8	1124.0	988.5	853.0	988.5	1124.0	1157.8	1257.1	1389.4	1455.6	1203.5
100°	1625.9	1585.5	1424.2	1262.8	1424.2	1585.5	1625.9	1618.6	1609.0	1604.1	1324.4
102.5°	2025.6	1991.0	1852.8	1714.5	1852.8	1991.0	2025.6	1899.1	1730.4	1646.1	1362.3
105°	2492.1	2473.5	2399.2	2324.9	2399.2	2473.5	2492.1	2208.5	1830.4	1641.4	1366.7
107.5°	2734.7	2739.2	2757.2	2775.1	2757.2	2739.2	2734.7	2339.2	1811.8	1548.2	1305.9
110°	2796.9	2816.3	2893.7	2971.1	2893.7	2816.3	2796.9	2354.7	1765.2	1470.4	1251.9



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2757.3	2787.0	2905.8	3024.7	2905.8	2787.0	2757.3	2304.7	1701.4	1399.6	1204.9
115°	2622.8	2664.0	2828.8	2993.7	2828.8	2664.0	2622.8	2186.8	1605.5	1314.9	1150.9
117.5°	2436.9	2482.6	2665.4	2848.2	2665.4	2482.6	2436.9	2043.5	1518.8	1256.5	1117.1
120°	2311.7	2356.1	2533.8	2711.4	2533.8	2356.1	2311.7	1952.2	1472.9	1233.3	1105.8
122.5°	2186.6	2230.4	2405.6	2580.7	2405.6	2230.4	2186.6	1862.8	1431.1	1215.3	1099.7
125°	2020.9	2061.3	2222.6	2384.1	2222.6	2061.3	2020.9	1745.9	1379.3	1195.9	1094.8
127.5°	1887.9	1921.9	2058.1	2194.3	2058.1	1921.9	1887.9	1651.8	1337.0	1179.6	1092.0
130°	1804.0	1835.4	1961.2	2087.0	1961.2	1835.4	1804.0	1593.8	1313.4	1173.3	1093.7
132.5°	1732.4	1760.5	1873.2	1985.9	1873.2	1760.5	1732.4	1544.2	1293.4	1167.9	1094.8
135°	1631.3	1655.6	1752.8	1849.9	1752.8	1655.6	1631.3	1473.8	1263.6	1158.6	1093.8
137.5°	1556.7	1576.6	1656.0	1735.6	1656.0	1576.6	1556.7	1423.5	1245.8	1157.0	1100.5
140°	1496.8	1515.4	1589.7	1664.0	1589.7	1515.4	1496.8	1381.8	1228.3	1151.6	1101.6
142.5°	1454.9	1470.9	1534.8	1598.7	1534.8	1470.9	1454.9	1353.7	1219.0	1151.6	1105.6
145°	1391.9	1403.9	1452.3	1500.7	1452.3	1403.9	1391.9	1309.1	1198.9	1143.8	1105.7
147.5°	1339.0	1349.0	1389.1	1429.2	1389.1	1349.0	1339.0	1273.9	1187.2	1143.8	1113.2
150°	1308.7	1316.8	1349.2	1381.8	1349.2	1316.8	1308.7	1253.7	1180.4	1143.8	1117.2
152.5°	1284.6	1290.7	1315.2	1339.7	1315.2	1290.7	1284.6	1237.6	1175.1	1143.8	1119.8
155°	1255.8	1259.8	1276.1	1292.3	1276.1	1259.8	1255.8	1218.5	1168.7	1143.8	1125.5
157.5°	1230.9	1233.7	1245.1	1256.5	1245.1	1233.7	1230.9	1201.8	1163.1	1143.8	1131.2
160°	1218.5	1220.2	1226.7	1233.3	1226.7	1220.2	1218.5	1193.6	1160.4	1143.8	1133.8
162.5°	1206.8	1208.4	1214.6	1220.8	1214.6	1208.4	1206.8	1185.8	1157.8	1143.8	1136.5
165°	1188.9	1190.6	1197.2	1203.7	1197.2	1190.6	1188.9	1173.9	1153.8	1143.8	1140.5
167.5°	1181.1	1181.7	1184.6	1187.4	1184.6	1181.7	1181.1	1171.3	1158.1	1151.6	1148.8
170°	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1181.1	1171.3	1158.1	1151.6	1151.4
172.5°	1174.9	1174.4	1171.9	1169.5	1171.9	1174.4	1174.9	1167.2	1156.8	1151.6	1151.6
175°	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1166.3	1161.4	1154.8	1151.6	1153.1
177.5°	1164.8	1164.2	1161.4	1158.6	1161.4	1164.2	1164.8	1160.9	1155.8	1153.1	1154.4
180°	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6	1158.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3343.6	3343.6	3343.6	3343.6	3343.6
2.5°	3302.5	3318.3	3327.8	3340.5	3372.0
5°	3175.9	3236.0	3255.0	3302.5	3359.4
7.5°	2897.6	3081.1	3131.6	3245.6	3334.1
10°	2628.7	2812.2	2900.8	3169.6	3302.5
12.5°	2492.7	2600.3	2660.4	3036.8	3258.2
15°	2407.2	2483.2	2527.4	2859.6	3207.6
17.5°	2340.9	2394.6	2426.2	2685.7	3138.0
20°	2299.8	2325.0	2353.5	2559.1	3058.9
22.5°	2271.2	2255.4	2277.6	2470.5	2951.3
25°	2252.3	2192.2	2217.5	2401.0	2824.9
27.5°	2268.1	2135.2	2144.7	2337.7	2692.0
30°	2271.2	2065.6	2068.8	2271.2	2543.3
32.5°	2249.1	1992.9	1996.1	2189.0	2375.6
35°	2195.3	1907.5	1904.3	2094.1	2147.9
37.5°	2122.5	1815.8	1815.8	1989.7	1898.0
40°	2034.0	1724.0	1733.5	1853.7	1676.6
42.5°	1926.4	1625.9	1638.6	1673.4	1512.1
45°	1809.4	1531.0	1540.5	1414.0	1385.5
47.5°	1679.8	1433.0	1436.2	1173.6	1344.4
50°	1524.7	1331.8	1319.1	1005.9	1341.2
52.5°	1388.7	1221.0	1183.1	911.1	1217.8
55°	1255.9	1104.0	1021.7	838.2	1129.3
57.5°	1138.8	952.2	873.1	752.9	1110.3
60°	1031.3	803.5	743.4	661.1	1018.5
62.5°	942.7	692.8	680.1	597.8	923.7
65°	847.8	616.8	613.6	544.1	784.5
67.5°	756.0	566.2	563.1	493.4	597.8
70°	657.9	512.5	506.1	439.7	442.9
72.5°	556.7	452.4	446.0	395.4	367.0
75°	455.5	382.8	379.6	344.8	297.3
77.5°	357.4	303.7	310.0	278.4	218.3
80°	256.2	221.4	227.8	199.3	164.5
82.5°	170.9	145.5	151.8	126.6	110.7
85°	94.9	82.3	85.4	66.5	50.6
87.5°	44.3	37.9	37.9	25.3	15.8
90°	34.2	21.8	20.2	14.0	7.8
92.5°	211.0	150.1	136.9	84.0	31.1
95°	519.1	292.4	268.2	171.4	74.7
97.5°	699.3	321.2	299.9	214.4	129.1
100°	764.9	345.3	325.9	248.4	171.1
102.5°	794.9	369.3	351.3	279.0	206.9
105°	817.2	405.1	389.8	328.6	267.5
107.5°	821.4	458.0	443.7	386.7	329.7
110°	815.2	487.5	474.6	423.1	371.6



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	815.4	523.3	511.1	461.9	412.9
115°	822.9	577.0	565.7	520.4	475.1
117.5°	838.2	629.1	618.8	577.6	536.5
120°	850.7	659.3	649.7	611.0	572.3
122.5°	868.5	695.1	685.4	646.3	607.3
125°	892.6	741.0	732.2	696.5	660.9
127.5°	916.8	785.3	776.4	740.4	704.5
130°	934.3	814.9	805.2	766.5	727.8
132.5°	948.6	839.0	829.3	790.6	751.9
135°	964.2	867.0	858.2	822.9	787.7
137.5°	987.5	902.7	894.0	859.1	824.2
140°	1001.7	926.9	918.8	886.7	854.5
142.5°	1013.7	944.7	937.3	907.6	877.9
145°	1029.3	972.0	965.6	939.6	913.7
147.5°	1052.1	1006.2	999.9	974.6	949.4
150°	1064.0	1024.1	1018.4	995.6	972.7
152.5°	1071.7	1035.7	1031.4	1014.2	996.9
155°	1088.8	1061.4	1058.2	1045.4	1032.6
157.5°	1105.9	1087.1	1084.0	1071.5	1059.0
160°	1113.8	1098.7	1096.3	1086.7	1077.0
162.5°	1122.0	1111.2	1109.4	1102.1	1094.8
165°	1134.0	1129.0	1127.3	1120.8	1114.3
167.5°	1143.2	1139.1	1138.4	1135.2	1132.1
170°	1151.1	1150.8	1150.1	1146.9	1143.8
172.5°	1151.6	1151.6	1151.4	1150.7	1150.1
175°	1156.2	1158.6	1158.6	1158.6	1158.6
177.5°	1156.8	1158.6	1158.6	1158.6	1158.6
180°	1158.6	1158.6	1158.6	1158.6	1158.6



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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.66	15.55	15.58	16.50	17.72	17.50	18.39	18.42	19.34	20.55
	3H	15.14	15.94	16.08	16.89	18.14	18.85	19.65	19.78	20.60	21.84
	4H	15.33	16.09	16.28	17.05	18.30	19.29	20.05	20.25	21.01	22.26
	6H	15.45	16.15	16.41	17.11	18.38	19.58	20.28	20.55	21.24	22.51
	8H	15.45	16.12	16.42	17.10	18.36	19.66	20.32	20.63	21.31	22.57
	12H	15.43	16.06	16.40	17.03	18.32	19.70	20.33	20.68	21.31	22.59
4H	2H	15.70	16.46	16.65	17.41	18.66	17.91	18.67	18.87	19.63	20.88
	3H	16.73	17.36	17.70	18.35	19.61	19.42	20.05	20.39	21.04	22.31
	4H	17.01	17.58	17.98	18.56	19.85	19.95	20.53	20.93	21.51	22.80
	6H	17.13	17.63	18.12	18.63	19.92	20.32	20.82	21.31	21.82	23.11
	8H	17.14	17.60	18.13	18.60	19.90	20.43	20.89	21.42	21.89	23.20
	12H	17.11	17.53	18.12	18.54	19.85	20.49	20.91	21.50	21.92	23.23
8H	4H	17.46	17.93	18.45	18.93	20.23	20.08	20.54	21.07	21.54	22.84
	6H	17.73	18.11	18.74	19.15	20.45	20.52	20.90	21.54	21.94	23.24
	8H	17.77	18.11	18.79	19.13	20.45	20.67	21.01	21.70	22.04	23.36
	12H	17.75	18.05	18.78	19.07	20.44	20.77	21.07	21.80	22.09	23.46
12H	4H	17.47	17.89	18.48	18.90	20.21	20.05	20.46	21.06	21.48	22.79
	6H	17.79	18.13	18.81	19.15	20.47	20.52	20.86	21.54	21.88	23.20
	8H	17.86	18.15	18.88	19.17	20.54	20.68	20.98	21.71	22.00	23.36