

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: P935376

Luminaire Tested: SQ4-FA-100U-125D-940-1D-UNV-STD-W-8

Issue Date: 12/17/2024

**Test Information**

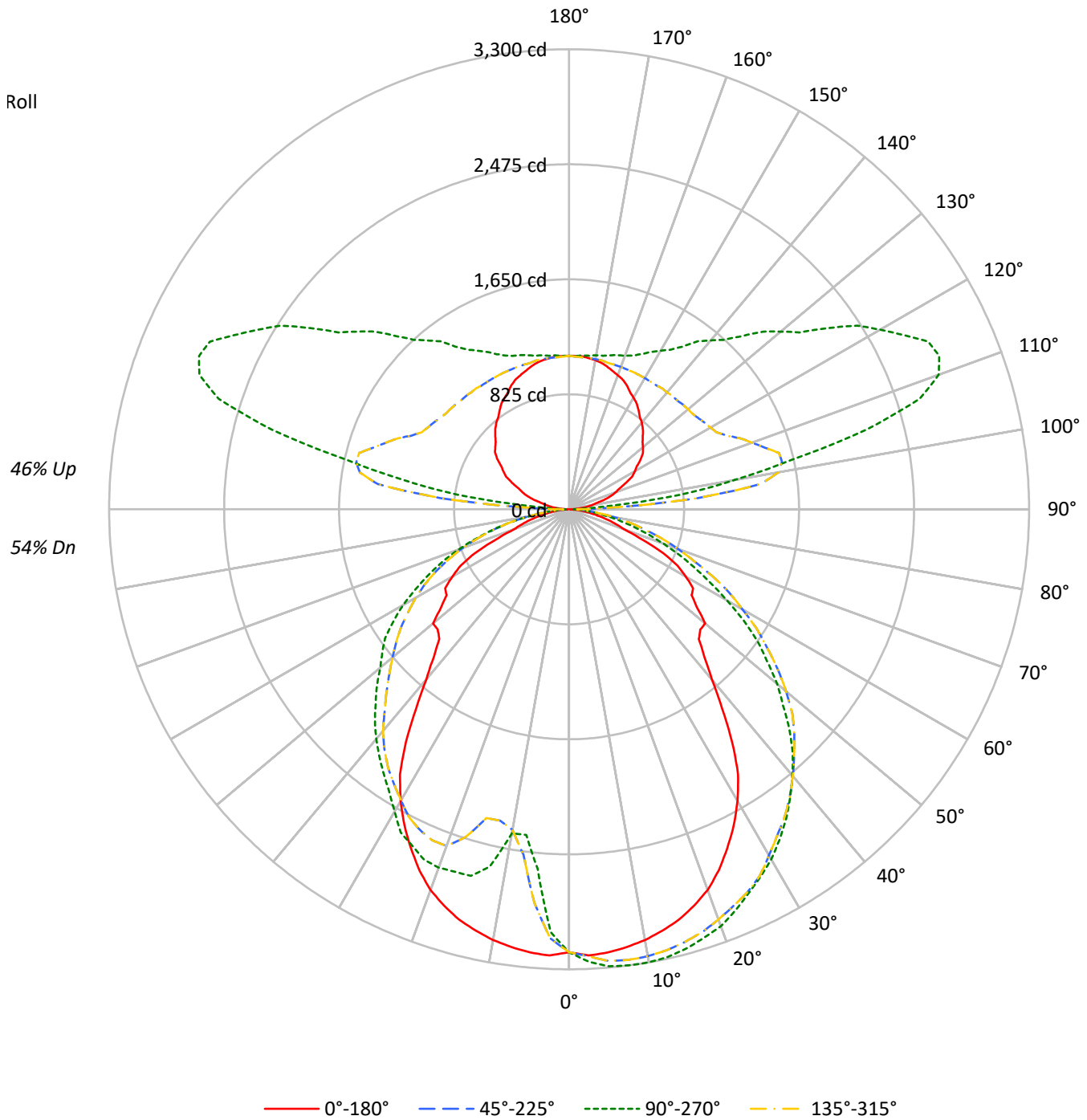
Test Method: LM-79-2019  
Report Number: P935376  
REPORT IS A COMBINATION OF REPORTS P933752 AND P933786  
Test Lab: INNOVATION CENTER  
Issue Date: 12/17/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ4-FA-100U-125D-940-1D-UNV-STD-W-8  
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I  
Lens  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15375.7 lumens  
Efficiency: N/A  
Efficacy: 111.7 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°	14738	14738	14738	14738
5°	14848	14878	14848	11698
10°	14749	14654	14749	10477
15°	14588	14337	14588	11972
20°	14284	13961	14284	11997
25°	13659	13413	13659	11743
30°	12852	12957	12852	11185
35°	11457	12381	11457	10571
40°	9547	11703	9547	10107
45°	8530	10909	8530	9575
50°	9062	9962	9062	9040
55°	8526	8942	8526	8730
60°	8789	7595	8789	7996
65°	7969	6278	7969	7018
70°	5517	5003	5517	5883
75°	4838	3698	4838	4428
80°	3900	2445	3900	2662
85°	2236	1295	2236	1101

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 13074 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.7	1.9
10°-20°	814.1	5.3
20°-30°	1258.5	8.2
30°-40°	1502.4	9.8
40°-50°	1511.2	9.8
50°-60°	1314.9	8.6
60°-70°	932.3	6.1
70°-80°	493.2	3.2
80°-90°	127.0	0.8
90°-100°	536.6	3.5
100°-110°	1410.6	9.2
110°-120°	1462.6	9.5
120°-130°	1173.2	7.6
130°-140°	920.5	6.0
140°-150°	706.5	4.6
150°-160°	508.8	3.3
160°-170°	311.3	2.0
170°-180°	105.2	0.7
0°-30°	2359.4	15.3
0°-40°	3861.7	25.1
0°-60°	6687.8	43.5
0°-90°	8240.4	53.6
90°-120°	3409.7	22.2
90°-150°	6210.0	40.4
90°-180°	7135.0	46.4
0°-180°	15375.7	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3177	3177	3177	3177	3177	
5°	3192	3291	3192	2588	3192	303
15°	3047	3261	3047	2723	3047	857
25°	2684	3041	2684	2663	2684	1232
35°	2040	2714	2040	2317	2040	1262
45°	1316	2236	1316	1962	1316	1054
55°	1073	1650	1073	1611	1073	986
65°	745	995	745	1112	745	712
75°	282	472	282	565	282	297
85°	48	120	48	102	48	65
90°	7	28	7	28	7	8
95°	71	324	71	324	71	79
105°	254	2209	254	2209	254	269
115°	451	2844	451	2844	451	446
125°	628	2265	628	2265	628	557
135°	748	1757	748	1757	748	579
145°	868	1426	868	1426	868	544
155°	981	1228	981	1228	981	451
165°	1059	1144	1059	1144	1059	299
175°	1101	1108	1101	1108	1101	104
180°	1101	1101	1101	1101	1101	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6
2.5°	3203.5	3203.5	3221.6	3227.6	3227.6	3218.6	3209.6	3218.6	3245.6	3254.7	3251.7
5°	3191.6	3215.6	3248.7	3254.7	3260.6	3257.7	3251.7	3257.7	3287.7	3293.8	3296.8
7.5°	3167.5	3212.6	3254.7	3263.7	3272.7	3263.7	3260.6	3266.7	3296.8	3302.7	3302.7
10°	3137.5	3200.6	3248.7	3254.7	3263.7	3254.7	3254.7	3266.7	3296.8	3302.7	3305.8
12.5°	3095.4	3182.5	3227.6	3233.7	3245.6	3242.6	3239.7	3251.7	3281.7	3287.7	3287.7
15°	3047.3	3149.5	3191.6	3197.6	3218.6	3212.6	3212.6	3224.6	3257.7	3266.7	3263.7
17.5°	2981.2	3107.4	3155.5	3164.5	3179.6	3176.6	3179.6	3191.6	3221.6	3227.6	3230.6
20°	2906.1	3050.3	3107.4	3116.4	3131.4	3131.4	3131.4	3146.5	3176.6	3188.5	3188.5
22.5°	2803.9	2990.3	3050.3	3056.3	3074.3	3074.3	3080.4	3101.4	3128.4	3131.4	3131.4
25°	2683.7	2924.1	2975.2	2993.2	3011.2	3020.3	3029.3	3041.3	3050.3	3047.3	3050.3
27.5°	2557.4	2839.9	2906.1	2918.1	2942.1	2951.2	2963.2	2966.2	2969.2	2978.2	2972.1
30°	2416.2	2722.8	2821.9	2834.0	2873.0	2879.0	2867.0	2873.0	2888.0	2894.1	2900.0
32.5°	2256.9	2548.5	2734.8	2761.9	2797.9	2779.9	2776.9	2785.8	2809.9	2809.9	2815.9
35°	2040.5	2413.2	2653.6	2677.7	2704.7	2683.7	2695.7	2698.7	2713.7	2722.8	2719.8
37.5°	1803.2	2296.0	2569.5	2587.5	2608.6	2581.5	2599.5	2608.6	2620.6	2614.5	2614.5
40°	1592.8	2112.6	2470.3	2482.3	2500.3	2479.3	2497.3	2503.4	2509.4	2503.4	2500.3
42.5°	1436.5	1911.3	2365.1	2380.1	2368.1	2383.1	2389.2	2401.2	2392.2	2380.1	2380.1
45°	1316.3	1857.3	2250.9	2268.9	2250.9	2275.0	2284.0	2284.0	2256.9	2250.9	2247.9
47.5°	1277.2	1749.0	2136.7	2136.7	2127.7	2157.8	2172.8	2151.7	2124.7	2115.7	2115.7
50°	1274.2	1628.9	1980.4	1968.4	2010.5	2046.6	2031.6	2010.5	1989.5	1956.4	1956.4
52.5°	1157.0	1481.5	1779.1	1824.2	1890.3	1911.3	1887.3	1866.2	1830.2	1815.2	1803.2
55°	1072.9	1328.4	1595.8	1686.0	1755.0	1782.1	1737.0	1716.0	1661.9	1652.9	1646.9
57.5°	1054.9	1105.9	1427.5	1541.7	1625.8	1622.8	1595.8	1556.8	1511.6	1502.6	1499.7
60°	967.7	799.4	1247.2	1382.4	1469.6	1460.6	1436.5	1400.5	1358.4	1352.3	1346.4
62.5°	877.5	580.0	1042.8	1196.0	1319.3	1316.3	1295.2	1241.2	1211.1	1196.0	1184.1
65°	745.3	486.9	742.3	994.7	1172.1	1178.0	1133.0	1093.9	1060.8	1042.8	1039.8
67.5°	568.0	396.7	501.9	829.5	1030.8	1024.8	967.7	949.6	907.6	898.6	880.5
70°	420.7	264.4	348.6	673.2	892.5	877.5	832.4	811.5	772.4	751.3	739.3
72.5°	348.6	213.4	255.5	522.9	751.3	733.3	694.2	670.2	637.1	619.1	607.0
75°	282.5	225.4	195.4	387.7	610.1	598.1	562.0	538.0	510.9	486.9	489.8
77.5°	207.3	210.4	156.3	285.5	483.9	465.8	444.8	414.7	402.7	378.6	378.6
80°	156.3	165.3	117.2	195.4	348.6	348.6	330.6	309.6	288.5	276.5	276.5
82.5°	105.1	105.1	87.1	123.3	237.5	228.4	216.4	210.4	198.4	192.3	192.3
85°	48.0	60.1	54.1	75.1	129.2	135.2	135.2	129.2	126.2	120.2	123.3
87.5°	15.0	27.1	33.0	42.1	66.2	69.1	72.1	72.1	72.1	75.1	75.1
90°	7.4	13.3	19.2	20.7	32.5	48.2	56.1	49.9	37.4	28.1	28.1
92.5°	29.6	79.8	130.1	142.6	200.4	277.6	316.1	277.1	199.0	140.4	134.8
95°	71.0	162.9	254.8	277.8	493.2	780.5	924.1	824.7	625.7	476.5	459.6
97.5°	122.6	203.7	284.9	305.1	664.4	1143.4	1382.9	1320.0	1194.3	1100.0	1067.8
100°	162.5	236.0	309.6	328.0	726.7	1258.2	1524.0	1528.6	1537.7	1544.7	1506.3
102.5°	196.5	265.1	333.7	350.8	755.2	1294.3	1563.9	1644.0	1804.2	1924.4	1891.5
105°	254.1	312.2	370.3	384.9	776.4	1298.4	1559.4	1739.0	2098.2	2367.6	2349.9
107.5°	313.2	367.4	421.5	435.1	780.4	1240.6	1470.8	1721.3	2222.3	2598.0	2602.3
110°	353.1	402.0	450.9	463.2	774.4	1189.4	1396.9	1677.0	2237.0	2657.2	2675.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	392.2	438.8	485.6	497.2	774.7	1144.7	1329.7	1616.3	2189.5	2619.5	2647.7
115°	451.4	494.3	537.4	548.2	781.8	1093.4	1249.1	1525.3	2077.6	2491.7	2530.9
117.5°	509.7	548.8	587.9	597.6	796.4	1061.2	1193.7	1442.9	1941.3	2315.1	2358.5
120°	543.7	580.5	617.2	626.4	808.2	1050.5	1171.6	1399.3	1854.7	2196.2	2238.4
122.5°	576.9	614.1	651.2	660.4	825.1	1044.7	1154.6	1359.6	1769.7	2077.3	2118.9
125°	627.9	661.7	695.6	704.0	848.0	1040.1	1136.1	1310.3	1658.7	1919.9	1958.3
127.5°	669.3	703.4	737.6	746.1	871.0	1037.5	1120.7	1270.2	1569.3	1793.6	1825.9
130°	691.4	728.2	764.9	774.2	887.6	1039.0	1114.7	1247.8	1514.1	1713.8	1743.7
132.5°	714.3	751.1	787.8	797.1	901.2	1040.1	1109.6	1228.7	1467.1	1645.8	1672.5
135°	748.3	781.8	815.4	823.7	916.1	1039.1	1100.7	1200.5	1400.1	1549.8	1572.9
137.5°	783.0	816.2	849.4	857.6	938.2	1045.5	1099.2	1183.5	1352.3	1478.9	1497.8
140°	811.8	842.4	872.9	880.5	951.7	1046.6	1094.0	1166.9	1312.7	1422.0	1439.7
142.5°	834.0	862.2	890.5	897.5	963.0	1050.3	1094.0	1158.0	1286.1	1382.2	1397.4
145°	868.0	892.6	917.3	923.4	977.9	1050.4	1086.6	1139.0	1243.7	1322.3	1333.8
147.5°	901.9	925.9	949.9	955.9	999.5	1057.6	1086.6	1127.8	1210.3	1272.1	1281.6
150°	924.1	945.8	967.5	972.9	1010.8	1061.3	1086.6	1121.5	1191.1	1243.3	1251.0
152.5°	947.1	963.5	979.9	984.0	1018.2	1063.8	1086.6	1116.4	1175.8	1220.4	1226.2
155°	981.0	993.1	1005.3	1008.3	1034.4	1069.2	1086.6	1110.3	1157.6	1193.0	1196.8
157.5°	1006.1	1017.9	1029.8	1032.7	1050.7	1074.7	1086.6	1105.0	1141.8	1169.4	1172.1
160°	1023.2	1032.4	1041.5	1043.8	1058.1	1077.1	1086.6	1102.5	1134.0	1157.6	1159.2
162.5°	1040.1	1047.0	1054.0	1055.7	1066.0	1079.7	1086.6	1100.0	1126.5	1146.5	1148.0
165°	1058.6	1064.8	1071.0	1072.6	1077.3	1083.5	1086.6	1096.1	1115.2	1129.5	1131.1
167.5°	1075.5	1078.5	1081.5	1082.2	1086.1	1091.4	1094.0	1100.2	1112.8	1122.1	1122.7
170°	1086.6	1089.6	1092.6	1093.3	1093.6	1093.8	1094.0	1100.2	1112.8	1122.1	1122.1
172.5°	1092.6	1093.2	1093.8	1094.0	1094.0	1094.0	1094.0	1099.0	1108.8	1116.2	1115.7
175°	1100.7	1100.7	1100.7	1100.7	1098.5	1095.5	1094.0	1097.1	1103.3	1108.0	1108.0
177.5°	1100.7	1100.7	1100.7	1100.7	1099.0	1096.7	1095.5	1098.0	1102.9	1106.6	1106.0
180°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7



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**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6
2.5°	3257.7	3248.7	3257.7	3251.7	3254.7	3245.6	3218.6	3209.6	3218.6	3227.6	3227.6
5°	3296.8	3290.8	3296.8	3296.8	3293.8	3287.7	3257.7	3251.7	3257.7	3260.6	3254.7
7.5°	3308.8	3299.7	3308.8	3302.7	3302.7	3296.8	3266.7	3260.6	3263.7	3272.7	3263.7
10°	3308.8	3299.7	3308.8	3305.8	3302.7	3296.8	3266.7	3254.7	3254.7	3263.7	3254.7
12.5°	3293.8	3287.7	3293.8	3287.7	3287.7	3281.7	3251.7	3239.7	3242.6	3245.6	3233.7
15°	3269.7	3260.6	3269.7	3263.7	3266.7	3257.7	3224.6	3212.6	3212.6	3218.6	3197.6
17.5°	3233.7	3221.6	3233.7	3230.6	3227.6	3221.6	3191.6	3179.6	3176.6	3179.6	3164.5
20°	3191.6	3182.5	3191.6	3188.5	3188.5	3176.6	3146.5	3131.4	3131.4	3131.4	3116.4
22.5°	3125.4	3116.4	3125.4	3131.4	3131.4	3128.4	3101.4	3080.4	3074.3	3074.3	3056.3
25°	3050.3	3041.3	3050.3	3050.3	3047.3	3050.3	3041.3	3029.3	3020.3	3011.2	2993.2
27.5°	2978.2	2972.1	2978.2	2972.1	2978.2	2969.2	2966.2	2963.2	2951.2	2942.1	2918.1
30°	2906.1	2900.0	2906.1	2900.0	2894.1	2888.0	2873.0	2867.0	2879.0	2873.0	2834.0
32.5°	2815.9	2809.9	2815.9	2815.9	2809.9	2809.9	2785.8	2776.9	2779.9	2797.9	2761.9
35°	2722.8	2713.7	2722.8	2719.8	2722.8	2713.7	2698.7	2695.7	2683.7	2704.7	2677.7
37.5°	2614.5	2605.6	2614.5	2614.5	2614.5	2620.6	2608.6	2599.5	2581.5	2608.6	2587.5
40°	2503.4	2491.4	2503.4	2500.3	2503.4	2509.4	2503.4	2497.3	2479.3	2500.3	2482.3
42.5°	2377.2	2374.2	2377.2	2380.1	2380.1	2392.2	2401.2	2389.2	2383.1	2368.1	2380.1
45°	2241.9	2235.9	2241.9	2247.9	2250.9	2256.9	2284.0	2284.0	2275.0	2250.9	2268.9
47.5°	2097.6	2082.6	2097.6	2115.7	2115.7	2124.7	2151.7	2172.8	2157.8	2127.7	2136.7
50°	1944.4	1947.4	1944.4	1956.4	1956.4	1989.5	2010.5	2031.6	2046.6	2010.5	1968.4
52.5°	1794.1	1791.1	1794.1	1803.2	1815.2	1830.2	1866.2	1887.3	1911.3	1890.3	1824.2
55°	1643.9	1649.9	1643.9	1646.9	1652.9	1661.9	1716.0	1737.0	1782.1	1755.0	1686.0
57.5°	1493.6	1484.6	1493.6	1499.7	1502.6	1511.6	1556.8	1595.8	1622.8	1625.8	1541.7
60°	1319.3	1307.3	1319.3	1346.4	1352.3	1358.4	1400.5	1436.5	1460.6	1469.6	1382.4
62.5°	1166.0	1145.0	1166.0	1184.1	1196.0	1211.1	1241.2	1295.2	1316.3	1319.3	1196.0
65°	1003.7	994.7	1003.7	1039.8	1042.8	1060.8	1093.9	1133.0	1178.0	1172.1	994.7
67.5°	856.5	856.5	856.5	880.5	898.6	907.6	949.6	967.7	1024.8	1030.8	829.5
70°	721.2	718.2	721.2	739.3	751.3	772.4	811.5	832.4	877.5	892.5	673.2
72.5°	592.0	589.0	592.0	607.0	619.1	637.1	670.2	694.2	733.3	751.3	522.9
75°	477.8	471.8	477.8	489.8	486.9	510.9	538.0	562.0	598.1	610.1	387.7
77.5°	366.7	366.7	366.7	378.6	378.6	402.7	414.7	444.8	465.8	483.9	285.5
80°	273.5	270.5	273.5	276.5	276.5	288.5	309.6	330.6	348.6	348.6	195.4
82.5°	192.3	186.3	192.3	192.3	192.3	198.4	210.4	216.4	228.4	237.5	123.3
85°	120.2	120.2	120.2	123.3	120.2	126.2	129.2	135.2	135.2	129.2	75.1
87.5°	78.1	75.1	78.1	75.1	75.1	72.1	72.1	72.1	69.1	66.2	42.1
90°	28.1	28.1	28.1	28.1	28.1	37.4	49.9	56.1	48.2	32.5	20.7
92.5°	112.5	90.1	112.5	134.8	140.4	199.0	277.1	316.1	277.6	200.4	142.6
95°	392.0	324.3	392.0	459.6	476.5	625.7	824.7	924.1	780.5	493.2	277.8
97.5°	939.1	810.4	939.1	1067.8	1100.0	1194.3	1320.0	1382.9	1143.4	664.4	305.1
100°	1353.0	1199.7	1353.0	1506.3	1544.7	1537.7	1528.6	1524.0	1258.2	726.7	328.0
102.5°	1760.2	1628.9	1760.2	1891.5	1924.4	1804.2	1644.0	1563.9	1294.3	755.2	350.8
105°	2279.3	2208.7	2279.3	2349.9	2367.6	2098.2	1739.0	1559.4	1298.4	776.4	384.9
107.5°	2619.4	2636.5	2619.4	2602.3	2598.0	2222.3	1721.3	1470.8	1240.6	780.4	435.1
110°	2749.1	2822.6	2749.1	2675.5	2657.2	2237.0	1677.0	1396.9	1189.4	774.4	463.2





TEST NUMBER: P935376

CATALOG NUMBER: SQ4-FA-100U-125D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2760.6	2873.6	2760.6	2647.7	2619.5	2189.5	1616.3	1329.7	1144.7	774.7	497.2
115°	2687.4	2844.1	2687.4	2530.9	2491.7	2077.6	1525.3	1249.1	1093.4	781.8	548.2
117.5°	2532.2	2705.9	2532.2	2358.5	2315.1	1941.3	1442.9	1193.7	1061.2	796.4	597.6
120°	2407.2	2575.9	2407.2	2238.4	2196.2	1854.7	1399.3	1171.6	1050.5	808.2	626.4
122.5°	2285.4	2451.8	2285.4	2118.9	2077.3	1769.7	1359.6	1154.6	1044.7	825.1	660.4
125°	2111.6	2264.9	2111.6	1958.3	1919.9	1658.7	1310.3	1136.1	1040.1	848.0	704.0
127.5°	1955.3	2084.7	1955.3	1825.9	1793.6	1569.3	1270.2	1120.7	1037.5	871.0	746.1
130°	1863.2	1982.7	1863.2	1743.7	1713.8	1514.1	1247.8	1114.7	1039.0	887.6	774.2
132.5°	1779.6	1886.6	1779.6	1672.5	1645.8	1467.1	1228.7	1109.6	1040.1	901.2	797.1
135°	1665.2	1757.4	1665.2	1572.9	1549.8	1400.1	1200.5	1100.7	1039.1	916.1	823.7
137.5°	1573.3	1648.8	1573.3	1497.8	1478.9	1352.3	1183.5	1099.2	1045.5	938.2	857.6
140°	1510.2	1580.8	1510.2	1439.7	1422.0	1312.7	1166.9	1094.0	1046.6	951.7	880.5
142.5°	1458.1	1518.8	1458.1	1397.4	1382.2	1286.1	1158.0	1094.0	1050.3	963.0	897.5
145°	1379.8	1425.7	1379.8	1333.8	1322.3	1243.7	1139.0	1086.6	1050.4	977.9	923.4
147.5°	1319.7	1357.8	1319.7	1281.6	1272.1	1210.3	1127.8	1086.6	1057.6	999.5	955.9
150°	1281.8	1312.7	1281.8	1251.0	1243.3	1191.1	1121.5	1086.6	1061.3	1010.8	972.9
152.5°	1249.5	1272.8	1249.5	1226.2	1220.4	1175.8	1116.4	1086.6	1063.8	1018.2	984.0
155°	1212.3	1227.7	1212.3	1196.8	1193.0	1157.6	1110.3	1086.6	1069.2	1034.4	1008.3
157.5°	1182.9	1193.7	1182.9	1172.1	1169.4	1141.8	1105.0	1086.6	1074.7	1050.7	1032.7
160°	1165.4	1171.6	1165.4	1159.2	1157.6	1134.0	1102.5	1086.6	1077.1	1058.1	1043.8
162.5°	1153.9	1159.8	1153.9	1148.0	1146.5	1126.5	1100.0	1086.6	1079.7	1066.0	1055.7
165°	1137.4	1143.6	1137.4	1131.1	1129.5	1115.2	1096.1	1086.6	1083.5	1077.3	1072.6
167.5°	1125.4	1128.0	1125.4	1122.7	1122.1	1112.8	1100.2	1094.0	1091.4	1086.1	1082.2
170°	1122.1	1122.1	1122.1	1122.1	1122.1	1112.8	1100.2	1094.0	1093.8	1093.6	1093.3
172.5°	1113.4	1111.1	1113.4	1115.7	1116.2	1108.8	1099.0	1094.0	1094.0	1094.0	1094.0
175°	1108.0	1108.0	1108.0	1108.0	1108.0	1103.3	1097.1	1094.0	1095.5	1098.5	1100.7
177.5°	1103.3	1100.7	1103.3	1106.0	1106.6	1102.9	1098.0	1095.5	1096.7	1099.0	1100.7
180°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7



TEST NUMBER: P935376

CATALOG NUMBER: SQ4-FA-100U-125D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6
2.5°	3221.6	3203.5	3203.5	3173.5	3161.5	3152.5	3137.5	3092.4	3080.4	3068.3	3086.4
5°	3248.7	3215.6	3191.6	3137.5	3092.4	3074.3	3017.2	2909.1	2837.0	2782.8	2752.8
7.5°	3254.7	3212.6	3167.5	3083.4	2975.2	2927.1	2752.8	2554.4	2500.3	2452.3	2422.2
10°	3248.7	3200.6	3137.5	3011.2	2755.8	2671.6	2497.3	2368.1	2335.1	2326.0	2335.1
12.5°	3227.6	3182.5	3095.4	2885.0	2527.4	2470.3	2368.1	2293.0	2287.0	2302.1	2383.1
15°	3191.6	3149.5	3047.3	2716.7	2401.2	2359.1	2287.0	2260.0	2293.0	2398.2	2641.6
17.5°	3155.5	3107.4	2981.2	2551.5	2305.0	2275.0	2223.9	2278.0	2464.3	2605.6	2686.6
20°	3107.4	3050.3	2906.1	2431.3	2235.9	2208.8	2184.8	2428.2	2569.5	2620.6	2665.7
22.5°	3050.3	2990.3	2803.9	2347.1	2163.8	2142.7	2157.8	2512.4	2569.5	2605.6	2644.6
25°	2975.2	2924.1	2683.7	2281.0	2106.7	2082.6	2139.7	2503.4	2536.4	2545.5	2623.6
27.5°	2906.1	2839.9	2557.4	2220.9	2037.5	2028.5	2154.7	2464.3	2488.4	2497.3	2581.5
30°	2821.9	2722.8	2416.2	2157.8	1965.4	1962.4	2157.8	2416.2	2410.2	2434.3	2518.4
32.5°	2734.8	2548.5	2256.9	2079.6	1896.3	1893.3	2136.7	2344.1	2338.1	2371.1	2434.3
35°	2653.6	2413.2	2040.5	1989.5	1809.1	1812.1	2085.6	2260.0	2263.0	2293.0	2332.1
37.5°	2569.5	2296.0	1803.2	1890.3	1725.0	1725.0	2016.5	2181.8	2175.8	2184.8	2238.9
40°	2470.3	2112.6	1592.8	1761.1	1646.9	1637.8	1932.4	2097.6	2076.6	2073.7	2148.8
42.5°	2365.1	1911.3	1436.5	1589.8	1556.8	1544.7	1830.2	1995.5	1956.4	1965.4	2061.6
45°	2250.9	1857.3	1316.3	1343.4	1463.5	1454.5	1719.0	1878.3	1851.2	1875.3	1974.5
47.5°	2136.7	1749.0	1277.2	1115.0	1364.4	1361.4	1595.8	1764.1	1749.0	1773.1	1878.3
50°	1980.4	1628.9	1274.2	955.7	1253.1	1265.2	1448.5	1652.9	1652.9	1673.9	1785.1
52.5°	1779.1	1481.5	1157.0	865.5	1123.9	1160.0	1319.3	1556.8	1562.7	1583.7	1682.9
55°	1595.8	1328.4	1072.9	796.4	970.7	1048.8	1193.1	1457.6	1469.6	1490.6	1580.7
57.5°	1427.5	1105.9	1054.9	715.3	829.5	904.6	1081.9	1361.4	1367.3	1385.5	1472.6
60°	1247.2	799.4	967.7	628.1	706.2	763.3	979.7	1247.2	1268.2	1280.2	1355.4
62.5°	1042.8	580.0	877.5	568.0	646.1	658.2	895.5	1138.9	1166.0	1175.1	1220.1
65°	742.3	486.9	745.3	516.9	583.0	586.0	805.4	1027.8	1051.8	1066.8	1099.9
67.5°	501.9	396.7	568.0	468.8	534.9	538.0	718.2	898.6	931.6	943.7	964.7
70°	348.6	264.4	420.7	417.7	480.9	486.9	625.1	781.4	811.5	820.4	832.4
72.5°	255.5	213.4	348.6	375.6	423.8	429.8	528.9	649.1	679.1	688.2	694.2
75°	195.4	225.4	282.5	327.6	360.6	363.6	432.7	528.9	549.9	556.0	559.0
77.5°	156.3	210.4	207.3	264.4	294.5	288.5	339.6	408.7	426.8	426.8	426.8
80°	117.2	165.3	156.3	189.3	216.4	210.4	243.4	291.5	297.5	303.5	300.5
82.5°	87.1	105.1	105.1	120.2	144.2	138.3	162.3	189.3	189.3	189.3	195.4
85°	54.1	60.1	48.0	63.1	81.2	78.1	90.1	102.2	105.1	105.1	99.2
87.5°	33.0	27.1	15.0	24.1	36.1	36.1	42.1	45.1	42.1	42.1	42.1
90°	19.2	13.3	7.4	13.3	19.2	20.7	32.5	48.2	56.1	49.9	37.4
92.5°	130.1	79.8	29.6	79.8	130.1	142.6	200.4	277.6	316.1	277.1	199.0
95°	254.8	162.9	71.0	162.9	254.8	277.8	493.2	780.5	924.1	824.7	625.7
97.5°	284.9	203.7	122.6	203.7	284.9	305.1	664.4	1143.4	1382.9	1320.0	1194.3
100°	309.6	236.0	162.5	236.0	309.6	328.0	726.7	1258.2	1524.0	1528.6	1537.7
102.5°	333.7	265.1	196.5	265.1	333.7	350.8	755.2	1294.3	1563.9	1644.0	1804.2
105°	370.3	312.2	254.1	312.2	370.3	384.9	776.4	1298.4	1559.4	1739.0	2098.2
107.5°	421.5	367.4	313.2	367.4	421.5	435.1	780.4	1240.6	1470.8	1721.3	2222.3
110°	450.9	402.0	353.1	402.0	450.9	463.2	774.4	1189.4	1396.9	1677.0	2237.0



TEST NUMBER: P935376

CATALOG NUMBER: SQ4-FA-100U-125D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	485.6	438.8	392.2	438.8	485.6	497.2	774.7	1144.7	1329.7	1616.3	2189.5
115°	537.4	494.3	451.4	494.3	537.4	548.2	781.8	1093.4	1249.1	1525.3	2077.6
117.5°	587.9	548.8	509.7	548.8	587.9	597.6	796.4	1061.2	1193.7	1442.9	1941.3
120°	617.2	580.5	543.7	580.5	617.2	626.4	808.2	1050.5	1171.6	1399.3	1854.7
122.5°	651.2	614.1	576.9	614.1	651.2	660.4	825.1	1044.7	1154.6	1359.6	1769.7
125°	695.6	661.7	627.9	661.7	695.6	704.0	848.0	1040.1	1136.1	1310.3	1658.7
127.5°	737.6	703.4	669.3	703.4	737.6	746.1	871.0	1037.5	1120.7	1270.2	1569.3
130°	764.9	728.2	691.4	728.2	764.9	774.2	887.6	1039.0	1114.7	1247.8	1514.1
132.5°	787.8	751.1	714.3	751.1	787.8	797.1	901.2	1040.1	1109.6	1228.7	1467.1
135°	815.4	781.8	748.3	781.8	815.4	823.7	916.1	1039.1	1100.7	1200.5	1400.1
137.5°	849.4	816.2	783.0	816.2	849.4	857.6	938.2	1045.5	1099.2	1183.5	1352.3
140°	872.9	842.4	811.8	842.4	872.9	880.5	951.7	1046.6	1094.0	1166.9	1312.7
142.5°	890.5	862.2	834.0	862.2	890.5	897.5	963.0	1050.3	1094.0	1158.0	1286.1
145°	917.3	892.6	868.0	892.6	917.3	923.4	977.9	1050.4	1086.6	1139.0	1243.7
147.5°	949.9	925.9	901.9	925.9	949.9	955.9	999.5	1057.6	1086.6	1127.8	1210.3
150°	967.5	945.8	924.1	945.8	967.5	972.9	1010.8	1061.3	1086.6	1121.5	1191.1
152.5°	979.9	963.5	947.1	963.5	979.9	984.0	1018.2	1063.8	1086.6	1116.4	1175.8
155°	1005.3	993.1	981.0	993.1	1005.3	1008.3	1034.4	1069.2	1086.6	1110.3	1157.6
157.5°	1029.8	1017.9	1006.1	1017.9	1029.8	1032.7	1050.7	1074.7	1086.6	1105.0	1141.8
160°	1041.5	1032.4	1023.2	1032.4	1041.5	1043.8	1058.1	1077.1	1086.6	1102.5	1134.0
162.5°	1054.0	1047.0	1040.1	1047.0	1054.0	1055.7	1066.0	1079.7	1086.6	1100.0	1126.5
165°	1071.0	1064.8	1058.6	1064.8	1071.0	1072.6	1077.3	1083.5	1086.6	1096.1	1115.2
167.5°	1081.5	1078.5	1075.5	1078.5	1081.5	1082.2	1086.1	1091.4	1094.0	1100.2	1112.8
170°	1092.6	1089.6	1086.6	1089.6	1092.6	1093.3	1093.6	1093.8	1094.0	1100.2	1112.8
172.5°	1093.8	1093.2	1092.6	1093.2	1093.8	1094.0	1094.0	1094.0	1094.0	1099.0	1108.8
175°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1098.5	1095.5	1094.0	1097.1	1103.3
177.5°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1099.0	1096.7	1095.5	1098.0	1102.9
180°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7



TEST NUMBER: P935376

CATALOG NUMBER: SQ4-FA-100U-125D-940-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6	3176.6
2.5°	3065.4	3056.3	3068.3	3035.3	3068.3	3056.3	3065.4	3086.4	3068.3	3080.4	3092.4
5°	2689.7	2674.7	2626.6	2587.5	2626.6	2674.7	2689.7	2752.8	2782.8	2837.0	2909.1
7.5°	2404.2	2392.2	2380.1	2356.1	2380.1	2392.2	2404.2	2422.2	2452.3	2500.3	2554.4
10°	2341.1	2344.1	2362.1	2359.1	2362.1	2344.1	2341.1	2335.1	2326.0	2335.1	2368.1
12.5°	2503.4	2530.4	2629.5	2623.6	2629.5	2530.4	2503.4	2383.1	2302.1	2287.0	2293.0
15°	2689.7	2698.7	2719.8	2722.8	2719.8	2698.7	2689.7	2641.6	2398.2	2293.0	2260.0
17.5°	2707.7	2710.7	2725.7	2725.7	2725.7	2710.7	2707.7	2686.6	2605.6	2464.3	2278.0
20°	2692.7	2698.7	2728.7	2734.8	2728.7	2698.7	2692.7	2665.7	2620.6	2569.5	2428.2
22.5°	2686.6	2698.7	2722.8	2719.8	2722.8	2698.7	2686.6	2644.6	2605.6	2569.5	2512.4
25°	2656.6	2656.6	2659.6	2662.7	2659.6	2656.6	2656.6	2623.6	2545.5	2536.4	2503.4
27.5°	2593.5	2599.5	2617.6	2614.5	2617.6	2599.5	2593.5	2581.5	2497.3	2488.4	2464.3
30°	2536.4	2530.4	2515.3	2503.4	2515.3	2530.4	2536.4	2518.4	2434.3	2410.2	2416.2
32.5°	2440.2	2425.2	2410.2	2401.2	2410.2	2425.2	2440.2	2434.3	2371.1	2338.1	2344.1
35°	2326.0	2329.0	2326.0	2317.1	2326.0	2329.0	2326.0	2332.1	2293.0	2263.0	2260.0
37.5°	2245.0	2250.9	2247.9	2235.9	2247.9	2250.9	2245.0	2238.9	2184.8	2175.8	2181.8
40°	2160.8	2163.8	2160.8	2151.7	2160.8	2163.8	2160.8	2148.8	2073.7	2076.6	2097.6
42.5°	2079.6	2076.6	2067.6	2061.6	2067.6	2076.6	2079.6	2061.6	1965.4	1956.4	1995.5
45°	1986.5	1989.5	1971.4	1962.4	1971.4	1989.5	1986.5	1974.5	1875.3	1851.2	1878.3
47.5°	1893.3	1893.3	1878.3	1869.2	1878.3	1893.3	1893.3	1878.3	1773.1	1749.0	1764.1
50°	1794.1	1791.1	1770.1	1767.1	1770.1	1791.1	1794.1	1785.1	1673.9	1652.9	1652.9
52.5°	1679.9	1679.9	1682.9	1689.0	1682.9	1679.9	1679.9	1682.9	1583.7	1562.7	1556.8
55°	1580.7	1583.7	1604.8	1610.8	1604.8	1583.7	1580.7	1580.7	1490.6	1469.6	1457.6
57.5°	1478.6	1478.6	1493.6	1493.6	1493.6	1478.6	1478.6	1472.6	1385.5	1367.3	1361.4
60°	1361.4	1367.3	1379.4	1376.4	1379.4	1367.3	1361.4	1355.4	1280.2	1268.2	1247.2
62.5°	1238.1	1244.2	1247.2	1241.2	1247.2	1244.2	1238.1	1220.1	1175.1	1166.0	1138.9
65°	1108.9	1115.0	1118.0	1112.0	1118.0	1115.0	1108.9	1099.9	1066.8	1051.8	1027.8
67.5°	976.7	973.7	970.7	982.7	970.7	973.7	976.7	964.7	943.7	931.6	898.6
70°	841.5	841.5	838.4	844.5	838.4	841.5	841.5	832.4	820.4	811.5	781.4
72.5°	697.3	694.2	706.2	697.3	706.2	694.2	697.3	694.2	688.2	679.1	649.1
75°	556.0	562.0	556.0	564.9	556.0	562.0	556.0	559.0	556.0	549.9	528.9
77.5°	423.8	429.8	423.8	423.8	423.8	429.8	423.8	426.8	426.8	426.8	408.7
80°	300.5	297.5	297.5	294.5	297.5	297.5	300.5	300.5	303.5	297.5	291.5
82.5°	192.3	189.3	189.3	195.4	189.3	189.3	192.3	195.4	189.3	189.3	189.3
85°	105.1	108.2	102.2	102.2	102.2	108.2	105.1	99.2	105.1	105.1	102.2
87.5°	39.1	36.1	36.1	36.1	36.1	36.1	39.1	42.1	42.1	42.1	45.1
90°	28.1	28.1	28.1	28.1	28.1	28.1	28.1	37.4	49.9	56.1	48.2
92.5°	140.4	134.8	112.5	90.1	112.5	134.8	140.4	199.0	277.1	316.1	277.6
95°	476.5	459.6	392.0	324.3	392.0	459.6	476.5	625.7	824.7	924.1	780.5
97.5°	1100.0	1067.8	939.1	810.4	939.1	1067.8	1100.0	1194.3	1320.0	1382.9	1143.4
100°	1544.7	1506.3	1353.0	1199.7	1353.0	1506.3	1544.7	1537.7	1528.6	1524.0	1258.2
102.5°	1924.4	1891.5	1760.2	1628.9	1760.2	1891.5	1924.4	1804.2	1644.0	1563.9	1294.3
105°	2367.6	2349.9	2279.3	2208.7	2279.3	2349.9	2367.6	2098.2	1739.0	1559.4	1298.4
107.5°	2598.0	2602.3	2619.4	2636.5	2619.4	2602.3	2598.0	2222.3	1721.3	1470.8	1240.6
110°	2657.2	2675.5	2749.1	2822.6	2749.1	2675.5	2657.2	2237.0	1677.0	1396.9	1189.4



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**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2619.5	2647.7	2760.6	2873.6	2760.6	2647.7	2619.5	2189.5	1616.3	1329.7	1144.7
115°	2491.7	2530.9	2687.4	2844.1	2687.4	2530.9	2491.7	2077.6	1525.3	1249.1	1093.4
117.5°	2315.1	2358.5	2532.2	2705.9	2532.2	2358.5	2315.1	1941.3	1442.9	1193.7	1061.2
120°	2196.2	2238.4	2407.2	2575.9	2407.2	2238.4	2196.2	1854.7	1399.3	1171.6	1050.5
122.5°	2077.3	2118.9	2285.4	2451.8	2285.4	2118.9	2077.3	1769.7	1359.6	1154.6	1044.7
125°	1919.9	1958.3	2111.6	2264.9	2111.6	1958.3	1919.9	1658.7	1310.3	1136.1	1040.1
127.5°	1793.6	1825.9	1955.3	2084.7	1955.3	1825.9	1793.6	1569.3	1270.2	1120.7	1037.5
130°	1713.8	1743.7	1863.2	1982.7	1863.2	1743.7	1713.8	1514.1	1247.8	1114.7	1039.0
132.5°	1645.8	1672.5	1779.6	1886.6	1779.6	1672.5	1645.8	1467.1	1228.7	1109.6	1040.1
135°	1549.8	1572.9	1665.2	1757.4	1665.2	1572.9	1549.8	1400.1	1200.5	1100.7	1039.1
137.5°	1478.9	1497.8	1573.3	1648.8	1573.3	1497.8	1478.9	1352.3	1183.5	1099.2	1045.5
140°	1422.0	1439.7	1510.2	1580.8	1510.2	1439.7	1422.0	1312.7	1166.9	1094.0	1046.6
142.5°	1382.2	1397.4	1458.1	1518.8	1458.1	1397.4	1382.2	1286.1	1158.0	1094.0	1050.3
145°	1322.3	1333.8	1379.8	1425.7	1379.8	1333.8	1322.3	1243.7	1139.0	1086.6	1050.4
147.5°	1272.1	1281.6	1319.7	1357.8	1319.7	1281.6	1272.1	1210.3	1127.8	1086.6	1057.6
150°	1243.3	1251.0	1281.8	1312.7	1281.8	1251.0	1243.3	1191.1	1121.5	1086.6	1061.3
152.5°	1220.4	1226.2	1249.5	1272.8	1249.5	1226.2	1220.4	1175.8	1116.4	1086.6	1063.8
155°	1193.0	1196.8	1212.3	1227.7	1212.3	1196.8	1193.0	1157.6	1110.3	1086.6	1069.2
157.5°	1169.4	1172.1	1182.9	1193.7	1182.9	1172.1	1169.4	1141.8	1105.0	1086.6	1074.7
160°	1157.6	1159.2	1165.4	1171.6	1165.4	1159.2	1157.6	1134.0	1102.5	1086.6	1077.1
162.5°	1146.5	1148.0	1153.9	1159.8	1153.9	1148.0	1146.5	1126.5	1100.0	1086.6	1079.7
165°	1129.5	1131.1	1137.4	1143.6	1137.4	1131.1	1129.5	1115.2	1096.1	1086.6	1083.5
167.5°	1122.1	1122.7	1125.4	1128.0	1125.4	1122.7	1122.1	1112.8	1100.2	1094.0	1091.4
170°	1122.1	1122.1	1122.1	1122.1	1122.1	1122.1	1122.1	1112.8	1100.2	1094.0	1093.8
172.5°	1116.2	1115.7	1113.4	1111.1	1113.4	1115.7	1116.2	1108.8	1099.0	1094.0	1094.0
175°	1108.0	1108.0	1108.0	1108.0	1108.0	1108.0	1108.0	1103.3	1097.1	1094.0	1095.5
177.5°	1106.6	1106.0	1103.3	1100.7	1103.3	1106.0	1106.6	1102.9	1098.0	1095.5	1096.7
180°	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7	1100.7



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
0°	3176.6	3176.6	3176.6	3176.6	3176.6
2.5°	3137.5	3152.5	3161.5	3173.5	3203.5
5°	3017.2	3074.3	3092.4	3137.5	3191.6
7.5°	2752.8	2927.1	2975.2	3083.4	3167.5
10°	2497.3	2671.6	2755.8	3011.2	3137.5
12.5°	2368.1	2470.3	2527.4	2885.0	3095.4
15°	2287.0	2359.1	2401.2	2716.7	3047.3
17.5°	2223.9	2275.0	2305.0	2551.5	2981.2
20°	2184.8	2208.8	2235.9	2431.3	2906.1
22.5°	2157.8	2142.7	2163.8	2347.1	2803.9
25°	2139.7	2082.6	2106.7	2281.0	2683.7
27.5°	2154.7	2028.5	2037.5	2220.9	2557.4
30°	2157.8	1962.4	1965.4	2157.8	2416.2
32.5°	2136.7	1893.3	1896.3	2079.6	2256.9
35°	2085.6	1812.1	1809.1	1989.5	2040.5
37.5°	2016.5	1725.0	1725.0	1890.3	1803.2
40°	1932.4	1637.8	1646.9	1761.1	1592.8
42.5°	1830.2	1544.7	1556.8	1589.8	1436.5
45°	1719.0	1454.5	1463.5	1343.4	1316.3
47.5°	1595.8	1361.4	1364.4	1115.0	1277.2
50°	1448.5	1265.2	1253.1	955.7	1274.2
52.5°	1319.3	1160.0	1123.9	865.5	1157.0
55°	1193.1	1048.8	970.7	796.4	1072.9
57.5°	1081.9	904.6	829.5	715.3	1054.9
60°	979.7	763.3	706.2	628.1	967.7
62.5°	895.5	658.2	646.1	568.0	877.5
65°	805.4	586.0	583.0	516.9	745.3
67.5°	718.2	538.0	534.9	468.8	568.0
70°	625.1	486.9	480.9	417.7	420.7
72.5°	528.9	429.8	423.8	375.6	348.6
75°	432.7	363.6	360.6	327.6	282.5
77.5°	339.6	288.5	294.5	264.4	207.3
80°	243.4	210.4	216.4	189.3	156.3
82.5°	162.3	138.3	144.2	120.2	105.1
85°	90.1	78.1	81.2	63.1	48.0
87.5°	42.1	36.1	36.1	24.1	15.0
90°	32.5	20.7	19.2	13.3	7.4
92.5°	200.4	142.6	130.1	79.8	29.6
95°	493.2	277.8	254.8	162.9	71.0
97.5°	664.4	305.1	284.9	203.7	122.6
100°	726.7	328.0	309.6	236.0	162.5
102.5°	755.2	350.8	333.7	265.1	196.5
105°	776.4	384.9	370.3	312.2	254.1
107.5°	780.4	435.1	421.5	367.4	313.2
110°	774.4	463.2	450.9	402.0	353.1



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**CANDELA DISTRIBUTION (continued):**

	330°	337.5°	340°	350°	360°
112.5°	774.7	497.2	485.6	438.8	392.2
115°	781.8	548.2	537.4	494.3	451.4
117.5°	796.4	597.6	587.9	548.8	509.7
120°	808.2	626.4	617.2	580.5	543.7
122.5°	825.1	660.4	651.2	614.1	576.9
125°	848.0	704.0	695.6	661.7	627.9
127.5°	871.0	746.1	737.6	703.4	669.3
130°	887.6	774.2	764.9	728.2	691.4
132.5°	901.2	797.1	787.8	751.1	714.3
135°	916.1	823.7	815.4	781.8	748.3
137.5°	938.2	857.6	849.4	816.2	783.0
140°	951.7	880.5	872.9	842.4	811.8
142.5°	963.0	897.5	890.5	862.2	834.0
145°	977.9	923.4	917.3	892.6	868.0
147.5°	999.5	955.9	949.9	925.9	901.9
150°	1010.8	972.9	967.5	945.8	924.1
152.5°	1018.2	984.0	979.9	963.5	947.1
155°	1034.4	1008.3	1005.3	993.1	981.0
157.5°	1050.7	1032.7	1029.8	1017.9	1006.1
160°	1058.1	1043.8	1041.5	1032.4	1023.2
162.5°	1066.0	1055.7	1054.0	1047.0	1040.1
165°	1077.3	1072.6	1071.0	1064.8	1058.6
167.5°	1086.1	1082.2	1081.5	1078.5	1075.5
170°	1093.6	1093.3	1092.6	1089.6	1086.6
172.5°	1094.0	1094.0	1093.8	1093.2	1092.6
175°	1098.5	1100.7	1100.7	1100.7	1100.7
177.5°	1099.0	1100.7	1100.7	1100.7	1100.7
180°	1100.7	1100.7	1100.7	1100.7	1100.7



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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	14.48	15.38	15.41	16.32	17.54	17.32	18.21	18.24	19.16	20.38
	3H	14.96	15.76	15.90	16.72	17.96	18.67	19.47	19.61	20.42	21.67
	4H	15.15	15.91	16.11	16.87	18.12	19.12	19.87	20.07	20.83	22.08
	6H	15.27	15.97	16.24	16.94	18.20	19.41	20.10	20.37	21.07	22.33
	8H	15.28	15.94	16.25	16.92	18.18	19.48	20.15	20.45	21.13	22.39
	12H	15.25	15.88	16.22	16.85	18.14	19.52	20.16	20.50	21.13	22.42
4H	2H	15.52	16.28	16.48	17.24	18.49	17.73	18.49	18.69	19.45	20.70
	3H	16.55	17.18	17.52	18.17	19.44	19.24	19.88	20.21	20.86	22.13
	4H	16.83	17.40	17.80	18.39	19.68	19.77	20.35	20.75	21.33	22.62
	6H	16.95	17.45	17.94	18.46	19.74	20.14	20.64	21.13	21.65	22.93
	8H	16.96	17.42	17.95	18.42	19.73	20.25	20.72	21.24	21.71	23.02
	12H	16.93	17.35	17.94	18.36	19.67	20.31	20.73	21.32	21.74	23.05
8H	4H	17.28	17.75	18.28	18.75	20.05	19.90	20.37	20.89	21.36	22.67
	6H	17.55	17.93	18.56	18.97	20.27	20.34	20.72	21.36	21.76	23.07
	8H	17.59	17.93	18.61	18.96	20.28	20.49	20.83	21.52	21.86	23.18
	12H	17.58	17.87	18.60	18.89	20.26	20.60	20.89	21.62	21.91	23.28
12H	4H	17.29	17.71	18.30	18.73	20.03	19.87	20.29	20.88	21.30	22.61
	6H	17.61	17.95	18.63	18.97	20.29	20.34	20.68	21.36	21.70	23.02
	8H	17.68	17.98	18.71	19.00	20.36	20.50	20.80	21.53	21.82	23.19