

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: P935366

Luminaire Tested: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-3500K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935366
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-93050-1D-UNV-STD-W-8-3500K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

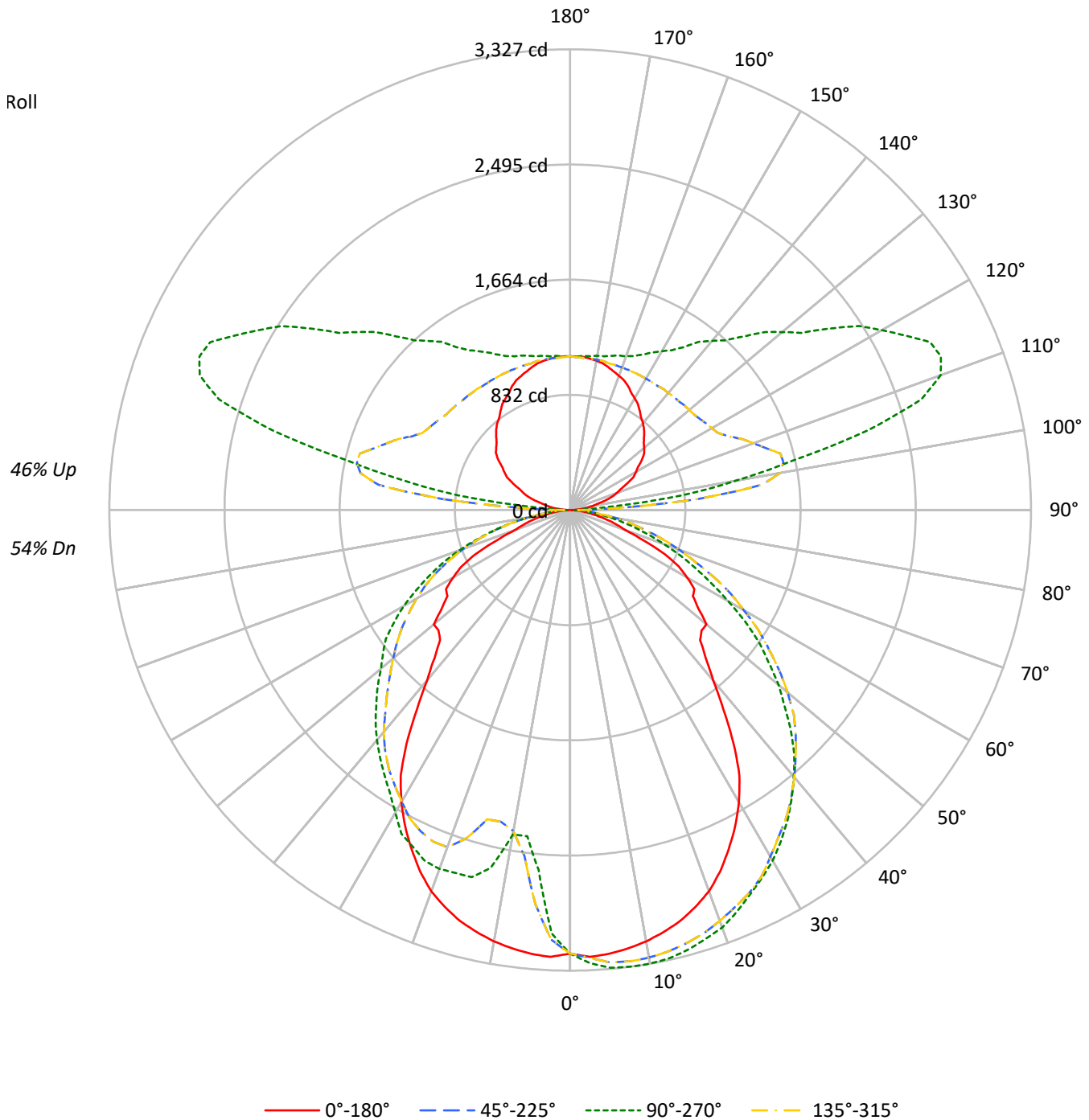
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15502.3 lumens
Efficiency: N/A
Efficacy: 112.7 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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CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-3500K

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°	14859	14859	14859	14859
5°	14970	15000	14970	11794
10°	14870	14775	14870	10564
15°	14708	14455	14708	12071
20°	14401	14076	14401	12096
25°	13771	13523	13771	11839
30°	12958	13064	12958	11277
35°	11551	12483	11551	10658
40°	9625	11799	9625	10191
45°	8600	10999	8600	9653
50°	9137	10044	9137	9115
55°	8596	9016	8596	8802
60°	8861	7657	8861	8062
65°	8034	6330	8034	7076
70°	5563	5044	5563	5931
75°	4878	3729	4878	4465
80°	3932	2465	3932	2685
85°	2254	1306	2254	1111

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13181 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.1	1.9
10°-20°	820.8	5.3
20°-30°	1268.9	8.2
30°-40°	1514.7	9.8
40°-50°	1523.6	9.8
50°-60°	1325.7	8.6
60°-70°	940.0	6.1
70°-80°	497.3	3.2
80°-90°	128.1	0.8
90°-100°	541.0	3.5
100°-110°	1422.2	9.2
110°-120°	1474.7	9.5
120°-130°	1182.9	7.6
130°-140°	928.1	6.0
140°-150°	712.4	4.6
150°-160°	513.0	3.3
160°-170°	313.9	2.0
170°-180°	106.0	0.7
0°-30°	2378.8	15.3
0°-40°	3893.5	25.1
0°-60°	6742.9	43.5
0°-90°	8308.3	53.6
90°-120°	3437.8	22.2
90°-150°	6261.1	40.4
90°-180°	7194.0	46.4
0°-180°	15502.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3203	3203	3203	3203	3203	
5°	3218	3318	3218	2609	3218	305
15°	3072	3288	3072	2745	3072	864
25°	2706	3066	2706	2685	2706	1242
35°	2057	2736	2057	2336	2057	1273
45°	1327	2254	1327	1978	1327	1063
55°	1082	1664	1082	1624	1082	994
65°	751	1003	751	1121	751	718
75°	285	476	285	570	285	299
85°	48	121	48	103	48	65
90°	7	28	7	28	7	8
95°	72	327	72	327	72	79
105°	256	2227	256	2227	256	272
115°	455	2868	455	2868	455	449
125°	633	2284	633	2284	633	562
135°	754	1772	754	1772	754	584
145°	875	1437	875	1437	875	548
155°	989	1238	989	1238	989	454
165°	1067	1153	1067	1153	1067	301
175°	1110	1117	1110	1117	1110	105
180°	1110	1110	1110	1110	1110	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3229.9	3229.9	3248.1	3254.2	3254.2	3245.1	3236.0	3245.1	3272.4	3281.5	3278.5
5°	3217.8	3242.1	3275.4	3281.5	3287.5	3284.5	3278.5	3284.5	3314.8	3320.9	3323.9
7.5°	3193.6	3239.1	3281.5	3290.5	3299.7	3290.5	3287.5	3293.6	3323.9	3329.9	3329.9
10°	3163.3	3227.0	3275.4	3281.5	3290.5	3281.5	3281.5	3293.6	3323.9	3329.9	3333.0
12.5°	3120.9	3208.7	3254.2	3260.3	3272.4	3269.3	3266.4	3278.5	3308.7	3314.8	3314.8
15°	3072.4	3175.4	3217.8	3223.9	3245.1	3239.1	3239.1	3251.1	3284.5	3293.6	3290.5
17.5°	3005.7	3133.0	3181.5	3190.5	3205.8	3202.7	3205.8	3217.8	3248.1	3254.2	3257.2
20°	2930.0	3075.4	3133.0	3142.1	3157.2	3157.2	3157.2	3172.4	3202.7	3214.8	3214.8
22.5°	2826.9	3014.9	3075.4	3081.5	3099.7	3099.7	3105.7	3127.0	3154.2	3157.2	3157.2
25°	2705.8	2948.2	2999.7	3017.8	3036.0	3045.1	3054.3	3066.4	3075.4	3072.4	3075.4
27.5°	2578.5	2863.3	2930.0	2942.1	2966.3	2975.5	2987.6	2990.6	2993.7	3002.7	2996.6
30°	2436.1	2745.2	2845.1	2857.3	2896.7	2902.7	2890.6	2896.7	2911.8	2917.9	2923.9
32.5°	2275.5	2569.5	2757.3	2784.6	2820.9	2802.8	2799.7	2808.8	2833.0	2833.0	2839.1
35°	2057.3	2433.1	2675.5	2699.7	2726.9	2705.8	2717.9	2720.9	2736.1	2745.2	2742.2
37.5°	1818.0	2314.9	2590.7	2608.8	2630.1	2602.8	2620.9	2630.1	2642.2	2636.1	2636.1
40°	1605.9	2130.0	2490.7	2502.8	2520.9	2499.7	2517.9	2524.0	2530.1	2524.0	2520.9
42.5°	1448.3	1927.1	2384.6	2399.7	2387.6	2402.7	2408.8	2420.9	2411.9	2399.7	2399.7
45°	1327.1	1872.5	2269.4	2287.6	2269.4	2293.7	2302.8	2302.8	2275.5	2269.4	2266.4
47.5°	1287.7	1763.4	2154.3	2154.3	2145.3	2175.5	2190.6	2169.4	2142.2	2133.1	2133.1
50°	1284.7	1642.3	1996.7	1984.6	2027.1	2063.4	2048.3	2027.1	2005.9	1972.6	1972.6
52.5°	1166.5	1493.7	1793.8	1839.2	1905.9	1927.1	1902.8	1881.6	1845.2	1830.1	1818.0
55°	1081.7	1339.3	1609.0	1699.8	1769.5	1796.8	1751.3	1730.1	1675.6	1666.5	1660.4
57.5°	1063.5	1115.0	1439.2	1554.4	1639.2	1636.2	1609.0	1569.6	1524.1	1515.0	1512.0
60°	975.6	806.0	1257.5	1393.8	1481.7	1472.6	1448.3	1412.0	1369.6	1363.5	1357.5
62.5°	884.7	584.8	1051.4	1205.9	1330.2	1327.1	1305.9	1251.4	1221.1	1205.9	1193.8
65°	751.4	490.9	748.4	1002.9	1181.7	1187.7	1142.3	1102.9	1069.5	1051.4	1048.4
67.5°	572.6	399.9	506.0	836.3	1039.3	1033.2	975.6	957.4	915.1	906.0	887.8
70°	424.2	266.6	351.5	678.7	899.9	884.7	839.3	818.1	778.7	757.5	745.3
72.5°	351.5	215.1	257.6	527.2	757.5	739.3	700.0	675.7	642.4	624.2	612.0
75°	284.8	227.2	197.0	390.9	615.1	603.0	566.6	542.4	515.1	490.9	493.9
77.5°	209.1	212.1	157.6	287.8	487.9	469.7	448.5	418.1	406.0	381.8	381.8
80°	157.6	166.6	118.2	197.0	351.5	351.5	333.3	312.1	290.9	278.8	278.8
82.5°	106.0	106.0	87.8	124.3	239.4	230.3	218.2	212.1	200.0	193.9	193.9
85°	48.4	60.6	54.5	75.7	130.3	136.4	136.4	130.3	127.2	121.2	124.3
87.5°	15.1	27.3	33.3	42.4	66.7	69.7	72.7	72.7	72.7	75.7	75.7
90°	7.4	13.4	19.3	20.9	32.8	48.6	56.6	50.3	37.7	28.3	28.3
92.5°	29.8	80.5	131.2	143.8	202.1	279.9	318.7	279.3	200.6	141.5	135.9
95°	71.5	164.2	256.9	280.1	497.3	786.9	931.8	831.5	630.8	480.4	463.4
97.5°	123.6	205.4	287.2	307.6	669.9	1152.8	1394.3	1330.9	1204.1	1109.0	1076.6
100°	163.8	238.0	312.2	330.7	732.6	1268.6	1536.5	1541.2	1550.4	1557.4	1518.7
102.5°	198.1	267.3	336.5	353.7	761.4	1304.9	1576.7	1657.5	1819.1	1940.2	1907.1
105°	256.2	314.8	373.3	388.0	782.8	1309.1	1572.3	1753.3	2115.4	2387.1	2369.3
107.5°	315.8	370.4	425.0	438.7	786.8	1250.8	1482.9	1735.5	2240.6	2619.4	2623.7
110°	356.0	405.3	454.6	467.0	780.8	1199.2	1408.4	1690.8	2255.5	2679.0	2697.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	395.5	442.5	489.6	501.3	781.1	1154.1	1340.6	1629.6	2207.6	2641.1	2669.6
115°	455.1	498.4	541.8	552.7	788.2	1102.4	1259.4	1537.9	2094.7	2512.2	2551.7
117.5°	513.9	553.3	592.7	602.5	802.9	1070.0	1203.6	1454.8	1957.3	2334.2	2377.9
120°	548.2	585.3	622.3	631.6	814.8	1059.2	1181.3	1410.8	1869.9	2214.3	2256.8
122.5°	581.7	619.1	656.5	665.8	831.9	1053.3	1164.1	1370.8	1784.3	2094.4	2136.4
125°	633.1	667.2	701.3	709.8	855.0	1048.7	1145.5	1321.1	1672.4	1935.8	1974.4
127.5°	674.8	709.2	743.6	752.2	878.1	1046.0	1129.9	1280.7	1582.2	1808.4	1840.9
130°	697.1	734.2	771.2	780.5	895.0	1047.6	1123.9	1258.1	1526.6	1728.0	1758.0
132.5°	720.2	757.3	794.3	803.6	908.7	1048.7	1118.7	1238.8	1479.1	1659.4	1686.3
135°	754.5	788.2	822.1	830.5	923.6	1047.7	1109.7	1210.4	1411.6	1562.6	1585.9
137.5°	789.5	822.9	856.4	864.7	945.9	1054.1	1108.2	1193.3	1363.5	1491.1	1510.1
140°	818.5	849.3	880.1	887.8	959.5	1055.2	1103.0	1176.5	1323.5	1433.8	1451.6
142.5°	840.9	869.3	897.8	904.9	971.0	1059.0	1103.0	1167.6	1296.7	1393.6	1408.9
145°	875.2	900.0	924.9	931.0	985.9	1059.1	1095.6	1148.4	1254.0	1333.2	1344.8
147.5°	909.4	933.5	957.7	963.8	1007.8	1066.3	1095.6	1137.1	1220.2	1282.5	1292.1
150°	931.8	953.6	975.4	980.9	1019.1	1070.1	1095.6	1130.7	1200.9	1253.5	1261.3
152.5°	954.9	971.4	988.0	992.1	1026.6	1072.6	1095.6	1125.6	1185.5	1230.4	1236.3
155°	989.1	1001.3	1013.6	1016.6	1042.9	1078.0	1095.6	1119.4	1167.1	1202.9	1206.7
157.5°	1014.4	1026.3	1038.3	1041.2	1059.3	1083.5	1095.6	1114.1	1151.2	1179.0	1181.7
160°	1031.6	1040.9	1050.1	1052.4	1066.9	1086.0	1095.6	1111.5	1143.3	1167.1	1168.7
162.5°	1048.7	1055.7	1062.6	1064.3	1074.7	1088.6	1095.6	1109.0	1135.8	1155.9	1157.5
165°	1067.3	1073.6	1079.8	1081.4	1086.2	1092.5	1095.6	1105.2	1124.4	1138.8	1140.4
167.5°	1084.4	1087.4	1090.4	1091.1	1095.1	1100.3	1103.0	1109.3	1121.9	1131.3	1131.9
170°	1095.6	1098.5	1101.6	1102.3	1102.6	1102.8	1103.0	1109.3	1121.9	1131.3	1131.3
172.5°	1101.6	1102.2	1102.8	1103.0	1103.0	1103.0	1103.0	1108.0	1118.0	1125.4	1124.9
175°	1109.7	1109.7	1109.7	1109.7	1107.5	1104.5	1103.0	1106.2	1112.4	1117.2	1117.2
177.5°	1109.7	1109.7	1109.7	1109.7	1108.0	1105.7	1104.5	1107.1	1112.0	1115.7	1115.1
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3284.5	3275.4	3284.5	3278.5	3281.5	3272.4	3245.1	3236.0	3245.1	3254.2	3254.2
5°	3323.9	3317.8	3323.9	3323.9	3320.9	3314.8	3284.5	3278.5	3284.5	3287.5	3281.5
7.5°	3336.0	3326.9	3336.0	3329.9	3329.9	3323.9	3293.6	3287.5	3290.5	3299.7	3290.5
10°	3336.0	3326.9	3336.0	3333.0	3329.9	3323.9	3293.6	3281.5	3281.5	3290.5	3281.5
12.5°	3320.9	3314.8	3320.9	3314.8	3314.8	3308.7	3278.5	3266.4	3269.3	3272.4	3260.3
15°	3296.6	3287.5	3296.6	3290.5	3293.6	3284.5	3251.1	3239.1	3239.1	3245.1	3223.9
17.5°	3260.3	3248.1	3260.3	3257.2	3254.2	3248.1	3217.8	3205.8	3202.7	3205.8	3190.5
20°	3217.8	3208.7	3217.8	3214.8	3214.8	3202.7	3172.4	3157.2	3157.2	3157.2	3142.1
22.5°	3151.1	3142.1	3151.1	3157.2	3157.2	3154.2	3127.0	3105.7	3099.7	3099.7	3081.5
25°	3075.4	3066.4	3075.4	3075.4	3072.4	3075.4	3066.4	3054.3	3045.1	3036.0	3017.8
27.5°	3002.7	2996.6	3002.7	2996.6	3002.7	2993.7	2990.6	2987.6	2975.5	2966.3	2942.1
30°	2930.0	2923.9	2930.0	2923.9	2917.9	2911.8	2896.7	2890.6	2902.7	2896.7	2857.3
32.5°	2839.1	2833.0	2839.1	2839.1	2833.0	2833.0	2808.8	2799.7	2802.8	2820.9	2784.6
35°	2745.2	2736.1	2745.2	2742.2	2745.2	2736.1	2720.9	2717.9	2705.8	2726.9	2699.7
37.5°	2636.1	2627.0	2636.1	2636.1	2636.1	2642.2	2630.1	2620.9	2602.8	2630.1	2608.8
40°	2524.0	2511.9	2524.0	2520.9	2524.0	2530.1	2524.0	2517.9	2499.7	2520.9	2502.8
42.5°	2396.8	2393.7	2396.8	2399.7	2399.7	2411.9	2420.9	2408.8	2402.7	2387.6	2399.7
45°	2260.4	2254.3	2260.4	2266.4	2269.4	2275.5	2302.8	2302.8	2293.7	2269.4	2287.6
47.5°	2114.9	2099.8	2114.9	2133.1	2133.1	2142.2	2169.4	2190.6	2175.5	2145.3	2154.3
50°	1960.4	1963.4	1960.4	1972.6	1972.6	2005.9	2027.1	2048.3	2063.4	2027.1	1984.6
52.5°	1808.9	1805.8	1808.9	1818.0	1830.1	1845.2	1881.6	1902.8	1927.1	1905.9	1839.2
55°	1657.4	1663.5	1657.4	1660.4	1666.5	1675.6	1730.1	1751.3	1796.8	1769.5	1699.8
57.5°	1505.9	1496.8	1505.9	1512.0	1515.0	1524.1	1569.6	1609.0	1636.2	1639.2	1554.4
60°	1330.2	1318.1	1330.2	1357.5	1363.5	1369.6	1412.0	1448.3	1472.6	1481.7	1393.8
62.5°	1175.6	1154.4	1175.6	1193.8	1205.9	1221.1	1251.4	1305.9	1327.1	1330.2	1205.9
65°	1012.0	1002.9	1012.0	1048.4	1051.4	1069.5	1102.9	1142.3	1187.7	1181.7	1002.9
67.5°	863.5	863.5	863.5	887.8	906.0	915.1	957.4	975.6	1033.2	1039.3	836.3
70°	727.2	724.1	727.2	745.3	757.5	778.7	818.1	839.3	884.7	899.9	678.7
72.5°	596.9	593.9	596.9	612.0	624.2	642.4	675.7	700.0	739.3	757.5	527.2
75°	481.8	475.7	481.8	493.9	490.9	515.1	542.4	566.6	603.0	615.1	390.9
77.5°	369.7	369.7	369.7	381.8	381.8	406.0	418.1	448.5	469.7	487.9	287.8
80°	275.8	272.7	275.8	278.8	278.8	290.9	312.1	333.3	351.5	351.5	197.0
82.5°	193.9	187.8	193.9	193.9	193.9	200.0	212.1	218.2	230.3	239.4	124.3
85°	121.2	121.2	121.2	124.3	121.2	127.2	130.3	136.4	136.4	130.3	75.7
87.5°	78.8	75.7	78.8	75.7	75.7	72.7	72.7	72.7	69.7	66.7	42.4
90°	28.3	28.3	28.3	28.3	28.3	37.7	50.3	56.6	48.6	32.8	20.9
92.5°	113.4	90.9	113.4	135.9	141.5	200.6	279.3	318.7	279.9	202.1	143.8
95°	395.2	327.0	395.2	463.4	480.4	630.8	831.5	931.8	786.9	497.3	280.1
97.5°	946.8	817.1	946.8	1076.6	1109.0	1204.1	1330.9	1394.3	1152.8	669.9	307.6
100°	1364.2	1209.6	1364.2	1518.7	1557.4	1550.4	1541.2	1536.5	1268.6	732.6	330.7
102.5°	1774.7	1642.3	1774.7	1907.1	1940.2	1819.1	1657.5	1576.7	1304.9	761.4	353.7
105°	2298.1	2226.9	2298.1	2369.3	2387.1	2115.4	1753.3	1572.3	1309.1	782.8	388.0
107.5°	2641.0	2658.2	2641.0	2623.7	2619.4	2240.6	1735.5	1482.9	1250.8	786.8	438.7
110°	2771.7	2845.8	2771.7	2697.6	2679.0	2255.5	1690.8	1408.4	1199.2	780.8	467.0



TEST NUMBER: P935366

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2783.3	2897.2	2783.3	2669.6	2641.1	2207.6	1629.6	1340.6	1154.1	781.1	501.3
115°	2709.6	2867.5	2709.6	2551.7	2512.2	2094.7	1537.9	1259.4	1102.4	788.2	552.7
117.5°	2553.1	2728.2	2553.1	2377.9	2334.2	1957.3	1454.8	1203.6	1070.0	802.9	602.5
120°	2427.0	2597.1	2427.0	2256.8	2214.3	1869.9	1410.8	1181.3	1059.2	814.8	631.6
122.5°	2304.2	2472.0	2304.2	2136.4	2094.4	1784.3	1370.8	1164.1	1053.3	831.9	665.8
125°	2129.0	2283.6	2129.0	1974.4	1935.8	1672.4	1321.1	1145.5	1048.7	855.0	709.8
127.5°	1971.4	2101.8	1971.4	1840.9	1808.4	1582.2	1280.7	1129.9	1046.0	878.1	752.2
130°	1878.5	1999.1	1878.5	1758.0	1728.0	1526.6	1258.1	1123.9	1047.6	895.0	780.5
132.5°	1794.3	1902.2	1794.3	1686.3	1659.4	1479.1	1238.8	1118.7	1048.7	908.7	803.6
135°	1678.9	1771.9	1678.9	1585.9	1562.6	1411.6	1210.4	1109.7	1047.7	923.6	830.5
137.5°	1586.2	1662.4	1586.2	1510.1	1491.1	1363.5	1193.3	1108.2	1054.1	945.9	864.7
140°	1522.7	1593.8	1522.7	1451.6	1433.8	1323.5	1176.5	1103.0	1055.2	959.5	887.8
142.5°	1470.1	1531.3	1470.1	1408.9	1393.6	1296.7	1167.6	1103.0	1059.0	971.0	904.9
145°	1391.1	1437.4	1391.1	1344.8	1333.2	1254.0	1148.4	1095.6	1059.1	985.9	931.0
147.5°	1330.5	1368.9	1330.5	1292.1	1282.5	1220.2	1137.1	1095.6	1066.3	1007.8	963.8
150°	1292.4	1323.5	1292.4	1261.3	1253.5	1200.9	1130.7	1095.6	1070.1	1019.1	980.9
152.5°	1259.8	1283.3	1259.8	1236.3	1230.4	1185.5	1125.6	1095.6	1072.6	1026.6	992.1
155°	1222.3	1237.9	1222.3	1206.7	1202.9	1167.1	1119.4	1095.6	1078.0	1042.9	1016.6
157.5°	1192.6	1203.6	1192.6	1181.7	1179.0	1151.2	1114.1	1095.6	1083.5	1059.3	1041.2
160°	1175.0	1181.3	1175.0	1168.7	1167.1	1143.3	1111.5	1095.6	1086.0	1066.9	1052.4
162.5°	1163.4	1169.4	1163.4	1157.5	1155.9	1135.8	1109.0	1095.6	1088.6	1074.7	1064.3
165°	1146.7	1153.0	1146.7	1140.4	1138.8	1124.4	1105.2	1095.6	1092.5	1086.2	1081.4
167.5°	1134.6	1137.3	1134.6	1131.9	1131.3	1121.9	1109.3	1103.0	1100.3	1095.1	1091.1
170°	1131.3	1131.3	1131.3	1131.3	1131.3	1121.9	1109.3	1103.0	1102.8	1102.6	1102.3
172.5°	1122.5	1120.2	1122.5	1124.9	1125.4	1118.0	1108.0	1103.0	1103.0	1103.0	1103.0
175°	1117.2	1117.2	1117.2	1117.2	1117.2	1112.4	1106.2	1103.0	1104.5	1107.5	1109.7
177.5°	1112.4	1109.7	1112.4	1115.1	1115.7	1112.0	1107.1	1104.5	1105.7	1108.0	1109.7
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3248.1	3229.9	3229.9	3199.7	3187.6	3178.4	3163.3	3117.8	3105.7	3093.6	3111.8
5°	3275.4	3242.1	3217.8	3163.3	3117.8	3099.7	3042.1	2933.0	2860.3	2805.7	2775.5
7.5°	3281.5	3239.1	3193.6	3108.8	2999.7	2951.2	2775.5	2575.5	2520.9	2472.5	2442.1
10°	3275.4	3227.0	3163.3	3036.0	2778.5	2693.6	2517.9	2387.6	2354.3	2345.2	2354.3
12.5°	3254.2	3208.7	3120.9	2908.8	2548.2	2490.7	2387.6	2311.9	2305.8	2321.0	2402.7
15°	3217.8	3175.4	3072.4	2739.1	2420.9	2378.6	2305.8	2278.6	2311.9	2418.0	2663.4
17.5°	3181.5	3133.0	3005.7	2572.5	2324.0	2293.7	2242.2	2296.7	2484.6	2627.0	2708.8
20°	3133.0	3075.4	2930.0	2451.3	2254.3	2227.0	2202.8	2448.2	2590.7	2642.2	2687.6
22.5°	3075.4	3014.9	2826.9	2366.4	2181.6	2160.4	2175.5	2533.1	2590.7	2627.0	2666.4
25°	2999.7	2948.2	2705.8	2299.8	2124.0	2099.8	2157.3	2524.0	2557.3	2566.4	2645.2
27.5°	2930.0	2863.3	2578.5	2239.2	2054.3	2045.3	2172.5	2484.6	2508.8	2517.9	2602.8
30°	2845.1	2745.2	2436.1	2175.5	1981.6	1978.5	2175.5	2436.1	2430.1	2454.3	2539.1
32.5°	2757.3	2569.5	2275.5	2096.7	1911.9	1908.9	2154.3	2363.4	2357.4	2390.7	2454.3
35°	2675.5	2433.1	2057.3	2005.9	1824.0	1827.1	2102.8	2278.6	2281.6	2311.9	2351.3
37.5°	2590.7	2314.9	1818.0	1905.9	1739.2	1739.2	2033.1	2199.8	2193.7	2202.8	2257.4
40°	2490.7	2130.0	1605.9	1775.6	1660.4	1651.3	1948.3	2114.9	2093.7	2090.7	2166.5
42.5°	2384.6	1927.1	1448.3	1602.9	1569.6	1557.4	1845.2	2011.9	1972.6	1981.6	2078.6
45°	2269.4	1872.5	1327.1	1354.4	1475.6	1466.5	1733.1	1893.8	1866.5	1890.7	1990.7
47.5°	2154.3	1763.4	1287.7	1124.2	1375.6	1372.6	1609.0	1778.6	1763.4	1787.7	1893.8
50°	1996.7	1642.3	1284.7	963.5	1263.5	1275.6	1460.4	1666.5	1666.5	1687.7	1799.8
52.5°	1793.8	1493.7	1166.5	872.7	1133.2	1169.5	1330.2	1569.6	1575.6	1596.8	1696.8
55°	1609.0	1339.3	1081.7	802.9	978.7	1057.5	1202.9	1469.6	1481.7	1502.9	1593.7
57.5°	1439.2	1115.0	1063.5	721.2	836.3	912.1	1090.8	1372.6	1378.6	1396.9	1484.7
60°	1257.5	806.0	975.6	633.3	712.0	769.6	987.8	1257.5	1278.7	1290.8	1366.5
62.5°	1051.4	584.8	884.7	572.6	651.4	663.6	902.9	1148.3	1175.6	1184.8	1230.2
65°	748.4	490.9	751.4	521.2	587.8	590.8	812.0	1036.2	1060.5	1075.6	1108.9
67.5°	506.0	399.9	572.6	472.6	539.3	542.4	724.1	906.0	939.3	951.4	972.7
70°	351.5	266.6	424.2	421.2	484.8	490.9	630.2	787.8	818.1	827.2	839.3
72.5°	257.6	215.1	351.5	378.7	427.2	433.3	533.2	654.5	684.7	693.9	700.0
75°	197.0	227.2	284.8	330.3	363.6	366.6	436.3	533.2	554.5	560.6	563.6
77.5°	157.6	212.1	209.1	266.6	297.0	290.9	342.4	412.1	430.3	430.3	430.3
80°	118.2	166.6	157.6	190.9	218.2	212.1	245.4	293.9	299.9	306.0	303.0
82.5°	87.8	106.0	106.0	121.2	145.4	139.4	163.7	190.9	190.9	190.9	197.0
85°	54.5	60.6	48.4	63.7	81.8	78.8	90.9	103.1	106.0	106.0	100.0
87.5°	33.3	27.3	15.1	24.3	36.3	36.3	42.4	45.5	42.4	42.4	42.4
90°	19.3	13.4	7.4	13.4	19.3	20.9	32.8	48.6	56.6	50.3	37.7
92.5°	131.2	80.5	29.8	80.5	131.2	143.8	202.1	279.9	318.7	279.3	200.6
95°	256.9	164.2	71.5	164.2	256.9	280.1	497.3	786.9	931.8	831.5	630.8
97.5°	287.2	205.4	123.6	205.4	287.2	307.6	669.9	1152.8	1394.3	1330.9	1204.1
100°	312.2	238.0	163.8	238.0	312.2	330.7	732.6	1268.6	1536.5	1541.2	1550.4
102.5°	336.5	267.3	198.1	267.3	336.5	353.7	761.4	1304.9	1576.7	1657.5	1819.1
105°	373.3	314.8	256.2	314.8	373.3	388.0	782.8	1309.1	1572.3	1753.3	2115.4
107.5°	425.0	370.4	315.8	370.4	425.0	438.7	786.8	1250.8	1482.9	1735.5	2240.6
110°	454.6	405.3	356.0	405.3	454.6	467.0	780.8	1199.2	1408.4	1690.8	2255.5



TEST NUMBER: P935366

CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	489.6	442.5	395.5	442.5	489.6	501.3	781.1	1154.1	1340.6	1629.6	2207.6
115°	541.8	498.4	455.1	498.4	541.8	552.7	788.2	1102.4	1259.4	1537.9	2094.7
117.5°	592.7	553.3	513.9	553.3	592.7	602.5	802.9	1070.0	1203.6	1454.8	1957.3
120°	622.3	585.3	548.2	585.3	622.3	631.6	814.8	1059.2	1181.3	1410.8	1869.9
122.5°	656.5	619.1	581.7	619.1	656.5	665.8	831.9	1053.3	1164.1	1370.8	1784.3
125°	701.3	667.2	633.1	667.2	701.3	709.8	855.0	1048.7	1145.5	1321.1	1672.4
127.5°	743.6	709.2	674.8	709.2	743.6	752.2	878.1	1046.0	1129.9	1280.7	1582.2
130°	771.2	734.2	697.1	734.2	771.2	780.5	895.0	1047.6	1123.9	1258.1	1526.6
132.5°	794.3	757.3	720.2	757.3	794.3	803.6	908.7	1048.7	1118.7	1238.8	1479.1
135°	822.1	788.2	754.5	788.2	822.1	830.5	923.6	1047.7	1109.7	1210.4	1411.6
137.5°	856.4	822.9	789.5	822.9	856.4	864.7	945.9	1054.1	1108.2	1193.3	1363.5
140°	880.1	849.3	818.5	849.3	880.1	887.8	959.5	1055.2	1103.0	1176.5	1323.5
142.5°	897.8	869.3	840.9	869.3	897.8	904.9	971.0	1059.0	1103.0	1167.6	1296.7
145°	924.9	900.0	875.2	900.0	924.9	931.0	985.9	1059.1	1095.6	1148.4	1254.0
147.5°	957.7	933.5	909.4	933.5	957.7	963.8	1007.8	1066.3	1095.6	1137.1	1220.2
150°	975.4	953.6	931.8	953.6	975.4	980.9	1019.1	1070.1	1095.6	1130.7	1200.9
152.5°	988.0	971.4	954.9	971.4	988.0	992.1	1026.6	1072.6	1095.6	1125.6	1185.5
155°	1013.6	1001.3	989.1	1001.3	1013.6	1016.6	1042.9	1078.0	1095.6	1119.4	1167.1
157.5°	1038.3	1026.3	1014.4	1026.3	1038.3	1041.2	1059.3	1083.5	1095.6	1114.1	1151.2
160°	1050.1	1040.9	1031.6	1040.9	1050.1	1052.4	1066.9	1086.0	1095.6	1111.5	1143.3
162.5°	1062.6	1055.7	1048.7	1055.7	1062.6	1064.3	1074.7	1088.6	1095.6	1109.0	1135.8
165°	1079.8	1073.6	1067.3	1073.6	1079.8	1081.4	1086.2	1092.5	1095.6	1105.2	1124.4
167.5°	1090.4	1087.4	1084.4	1087.4	1090.4	1091.1	1095.1	1100.3	1103.0	1109.3	1121.9
170°	1101.6	1098.5	1095.6	1098.5	1101.6	1102.3	1102.6	1102.8	1103.0	1109.3	1121.9
172.5°	1102.8	1102.2	1101.6	1102.2	1102.8	1103.0	1103.0	1103.0	1103.0	1108.0	1118.0
175°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1107.5	1104.5	1103.0	1106.2	1112.4
177.5°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1108.0	1105.7	1104.5	1107.1	1112.0
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



TEST NUMBER: P935366
 CATALOG NUMBER: SQ4-FA-100U-125D-93050-1D-UNV-STD-W-8-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3090.6	3081.5	3093.6	3060.3	3093.6	3081.5	3090.6	3111.8	3093.6	3105.7	3117.8
5°	2711.8	2696.7	2648.2	2608.8	2648.2	2696.7	2711.8	2775.5	2805.7	2860.3	2933.0
7.5°	2424.0	2411.9	2399.7	2375.5	2399.7	2411.9	2424.0	2442.1	2472.5	2520.9	2575.5
10°	2360.4	2363.4	2381.5	2378.6	2381.5	2363.4	2360.4	2354.3	2345.2	2354.3	2387.6
12.5°	2524.0	2551.3	2651.2	2645.2	2651.2	2551.3	2524.0	2402.7	2321.0	2305.8	2311.9
15°	2711.8	2720.9	2742.2	2745.2	2742.2	2720.9	2711.8	2663.4	2418.0	2311.9	2278.6
17.5°	2730.0	2733.0	2748.2	2748.2	2748.2	2733.0	2730.0	2708.8	2627.0	2484.6	2296.7
20°	2714.9	2720.9	2751.2	2757.3	2751.2	2720.9	2714.9	2687.6	2642.2	2590.7	2448.2
22.5°	2708.8	2720.9	2745.2	2742.2	2745.2	2720.9	2708.8	2666.4	2627.0	2590.7	2533.1
25°	2678.5	2678.5	2681.5	2684.6	2681.5	2678.5	2678.5	2645.2	2566.4	2557.3	2524.0
27.5°	2614.8	2620.9	2639.1	2636.1	2639.1	2620.9	2614.8	2602.8	2517.9	2508.8	2484.6
30°	2557.3	2551.3	2536.1	2524.0	2536.1	2551.3	2557.3	2539.1	2454.3	2430.1	2436.1
32.5°	2460.3	2445.2	2430.1	2420.9	2430.1	2445.2	2460.3	2454.3	2390.7	2357.4	2363.4
35°	2345.2	2348.2	2345.2	2336.1	2345.2	2348.2	2345.2	2351.3	2311.9	2281.6	2278.6
37.5°	2263.4	2269.4	2266.4	2254.3	2266.4	2269.4	2263.4	2257.4	2202.8	2193.7	2199.8
40°	2178.6	2181.6	2178.6	2169.4	2178.6	2181.6	2178.6	2166.5	2090.7	2093.7	2114.9
42.5°	2096.7	2093.7	2084.6	2078.6	2084.6	2093.7	2096.7	2078.6	1981.6	1972.6	2011.9
45°	2002.8	2005.9	1987.7	1978.5	1987.7	2005.9	2002.8	1990.7	1890.7	1866.5	1893.8
47.5°	1908.9	1908.9	1893.8	1884.6	1893.8	1908.9	1908.9	1893.8	1787.7	1763.4	1778.6
50°	1808.9	1805.8	1784.6	1781.7	1784.6	1805.8	1808.9	1799.8	1687.7	1666.5	1666.5
52.5°	1693.8	1693.8	1696.8	1702.9	1696.8	1693.8	1693.8	1696.8	1596.8	1575.6	1569.6
55°	1593.7	1596.8	1618.0	1624.1	1618.0	1596.8	1593.7	1593.7	1502.9	1481.7	1469.6
57.5°	1490.8	1490.8	1505.9	1505.9	1505.9	1490.8	1490.8	1484.7	1396.9	1378.6	1372.6
60°	1372.6	1378.6	1390.8	1387.7	1390.8	1378.6	1372.6	1366.5	1290.8	1278.7	1257.5
62.5°	1248.3	1254.4	1257.5	1251.4	1257.5	1254.4	1248.3	1230.2	1184.8	1175.6	1148.3
65°	1118.1	1124.2	1127.2	1121.1	1127.2	1124.2	1118.1	1108.9	1075.6	1060.5	1036.2
67.5°	984.8	981.7	978.7	990.8	978.7	981.7	984.8	972.7	951.4	939.3	906.0
70°	848.4	848.4	845.4	851.4	845.4	848.4	848.4	839.3	827.2	818.1	787.8
72.5°	703.0	700.0	712.0	703.0	712.0	700.0	703.0	700.0	693.9	684.7	654.5
75°	560.6	566.6	560.6	569.6	560.6	566.6	560.6	563.6	560.6	554.5	533.2
77.5°	427.2	433.3	427.2	427.2	427.2	433.3	427.2	430.3	430.3	430.3	412.1
80°	303.0	299.9	299.9	297.0	299.9	299.9	303.0	303.0	306.0	299.9	293.9
82.5°	193.9	190.9	190.9	197.0	190.9	190.9	193.9	197.0	190.9	190.9	190.9
85°	106.0	109.0	103.1	103.1	103.1	109.0	106.0	100.0	106.0	106.0	103.1
87.5°	39.4	36.3	36.3	36.3	36.3	36.3	39.4	42.4	42.4	42.4	45.5
90°	28.3	28.3	28.3	28.3	28.3	28.3	28.3	37.7	50.3	56.6	48.6
92.5°	141.5	135.9	113.4	90.9	113.4	135.9	141.5	200.6	279.3	318.7	279.9
95°	480.4	463.4	395.2	327.0	395.2	463.4	480.4	630.8	831.5	931.8	786.9
97.5°	1109.0	1076.6	946.8	817.1	946.8	1076.6	1109.0	1204.1	1330.9	1394.3	1152.8
100°	1557.4	1518.7	1364.2	1209.6	1364.2	1518.7	1557.4	1550.4	1541.2	1536.5	1268.6
102.5°	1940.2	1907.1	1774.7	1642.3	1774.7	1907.1	1940.2	1819.1	1657.5	1576.7	1304.9
105°	2387.1	2369.3	2298.1	2226.9	2298.1	2369.3	2387.1	2115.4	1753.3	1572.3	1309.1
107.5°	2619.4	2623.7	2641.0	2658.2	2641.0	2623.7	2619.4	2240.6	1735.5	1482.9	1250.8
110°	2679.0	2697.6	2771.7	2845.8	2771.7	2697.6	2679.0	2255.5	1690.8	1408.4	1199.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2641.1	2669.6	2783.3	2897.2	2783.3	2669.6	2641.1	2207.6	1629.6	1340.6	1154.1
115°	2512.2	2551.7	2709.6	2867.5	2709.6	2551.7	2512.2	2094.7	1537.9	1259.4	1102.4
117.5°	2334.2	2377.9	2553.1	2728.2	2553.1	2377.9	2334.2	1957.3	1454.8	1203.6	1070.0
120°	2214.3	2256.8	2427.0	2597.1	2427.0	2256.8	2214.3	1869.9	1410.8	1181.3	1059.2
122.5°	2094.4	2136.4	2304.2	2472.0	2304.2	2136.4	2094.4	1784.3	1370.8	1164.1	1053.3
125°	1935.8	1974.4	2129.0	2283.6	2129.0	1974.4	1935.8	1672.4	1321.1	1145.5	1048.7
127.5°	1808.4	1840.9	1971.4	2101.8	1971.4	1840.9	1808.4	1582.2	1280.7	1129.9	1046.0
130°	1728.0	1758.0	1878.5	1999.1	1878.5	1758.0	1728.0	1526.6	1258.1	1123.9	1047.6
132.5°	1659.4	1686.3	1794.3	1902.2	1794.3	1686.3	1659.4	1479.1	1238.8	1118.7	1048.7
135°	1562.6	1585.9	1678.9	1771.9	1678.9	1585.9	1562.6	1411.6	1210.4	1109.7	1047.7
137.5°	1491.1	1510.1	1586.2	1662.4	1586.2	1510.1	1491.1	1363.5	1193.3	1108.2	1054.1
140°	1433.8	1451.6	1522.7	1593.8	1522.7	1451.6	1433.8	1323.5	1176.5	1103.0	1055.2
142.5°	1393.6	1408.9	1470.1	1531.3	1470.1	1408.9	1393.6	1296.7	1167.6	1103.0	1059.0
145°	1333.2	1344.8	1391.1	1437.4	1391.1	1344.8	1333.2	1254.0	1148.4	1095.6	1059.1
147.5°	1282.5	1292.1	1330.5	1368.9	1330.5	1292.1	1282.5	1220.2	1137.1	1095.6	1066.3
150°	1253.5	1261.3	1292.4	1323.5	1292.4	1261.3	1253.5	1200.9	1130.7	1095.6	1070.1
152.5°	1230.4	1236.3	1259.8	1283.3	1259.8	1236.3	1230.4	1185.5	1125.6	1095.6	1072.6
155°	1202.9	1206.7	1222.3	1237.9	1222.3	1206.7	1202.9	1167.1	1119.4	1095.6	1078.0
157.5°	1179.0	1181.7	1192.6	1203.6	1192.6	1181.7	1179.0	1151.2	1114.1	1095.6	1083.5
160°	1167.1	1168.7	1175.0	1181.3	1175.0	1168.7	1167.1	1143.3	1111.5	1095.6	1086.0
162.5°	1155.9	1157.5	1163.4	1169.4	1163.4	1157.5	1155.9	1135.8	1109.0	1095.6	1088.6
165°	1138.8	1140.4	1146.7	1153.0	1146.7	1140.4	1138.8	1124.4	1105.2	1095.6	1092.5
167.5°	1131.3	1131.9	1134.6	1137.3	1134.6	1131.9	1131.3	1121.9	1109.3	1103.0	1100.3
170°	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3	1131.3	1121.9	1109.3	1103.0	1102.8
172.5°	1125.4	1124.9	1122.5	1120.2	1122.5	1124.9	1125.4	1118.0	1108.0	1103.0	1103.0
175°	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1112.4	1106.2	1103.0	1104.5
177.5°	1115.7	1115.1	1112.4	1109.7	1112.4	1115.1	1115.7	1112.0	1107.1	1104.5	1105.7
180°	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7	1109.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3202.7	3202.7	3202.7	3202.7	3202.7
2.5°	3163.3	3178.4	3187.6	3199.7	3229.9
5°	3042.1	3099.7	3117.8	3163.3	3217.8
7.5°	2775.5	2951.2	2999.7	3108.8	3193.6
10°	2517.9	2693.6	2778.5	3036.0	3163.3
12.5°	2387.6	2490.7	2548.2	2908.8	3120.9
15°	2305.8	2378.6	2420.9	2739.1	3072.4
17.5°	2242.2	2293.7	2324.0	2572.5	3005.7
20°	2202.8	2227.0	2254.3	2451.3	2930.0
22.5°	2175.5	2160.4	2181.6	2366.4	2826.9
25°	2157.3	2099.8	2124.0	2299.8	2705.8
27.5°	2172.5	2045.3	2054.3	2239.2	2578.5
30°	2175.5	1978.5	1981.6	2175.5	2436.1
32.5°	2154.3	1908.9	1911.9	2096.7	2275.5
35°	2102.8	1827.1	1824.0	2005.9	2057.3
37.5°	2033.1	1739.2	1739.2	1905.9	1818.0
40°	1948.3	1651.3	1660.4	1775.6	1605.9
42.5°	1845.2	1557.4	1569.6	1602.9	1448.3
45°	1733.1	1466.5	1475.6	1354.4	1327.1
47.5°	1609.0	1372.6	1375.6	1124.2	1287.7
50°	1460.4	1275.6	1263.5	963.5	1284.7
52.5°	1330.2	1169.5	1133.2	872.7	1166.5
55°	1202.9	1057.5	978.7	802.9	1081.7
57.5°	1090.8	912.1	836.3	721.2	1063.5
60°	987.8	769.6	712.0	633.3	975.6
62.5°	902.9	663.6	651.4	572.6	884.7
65°	812.0	590.8	587.8	521.2	751.4
67.5°	724.1	542.4	539.3	472.6	572.6
70°	630.2	490.9	484.8	421.2	424.2
72.5°	533.2	433.3	427.2	378.7	351.5
75°	436.3	366.6	363.6	330.3	284.8
77.5°	342.4	290.9	297.0	266.6	209.1
80°	245.4	212.1	218.2	190.9	157.6
82.5°	163.7	139.4	145.4	121.2	106.0
85°	90.9	78.8	81.8	63.7	48.4
87.5°	42.4	36.3	36.3	24.3	15.1
90°	32.8	20.9	19.3	13.4	7.4
92.5°	202.1	143.8	131.2	80.5	29.8
95°	497.3	280.1	256.9	164.2	71.5
97.5°	669.9	307.6	287.2	205.4	123.6
100°	732.6	330.7	312.2	238.0	163.8
102.5°	761.4	353.7	336.5	267.3	198.1
105°	782.8	388.0	373.3	314.8	256.2
107.5°	786.8	438.7	425.0	370.4	315.8
110°	780.8	467.0	454.6	405.3	356.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	781.1	501.3	489.6	442.5	395.5
115°	788.2	552.7	541.8	498.4	455.1
117.5°	802.9	602.5	592.7	553.3	513.9
120°	814.8	631.6	622.3	585.3	548.2
122.5°	831.9	665.8	656.5	619.1	581.7
125°	855.0	709.8	701.3	667.2	633.1
127.5°	878.1	752.2	743.6	709.2	674.8
130°	895.0	780.5	771.2	734.2	697.1
132.5°	908.7	803.6	794.3	757.3	720.2
135°	923.6	830.5	822.1	788.2	754.5
137.5°	945.9	864.7	856.4	822.9	789.5
140°	959.5	887.8	880.1	849.3	818.5
142.5°	971.0	904.9	897.8	869.3	840.9
145°	985.9	931.0	924.9	900.0	875.2
147.5°	1007.8	963.8	957.7	933.5	909.4
150°	1019.1	980.9	975.4	953.6	931.8
152.5°	1026.6	992.1	988.0	971.4	954.9
155°	1042.9	1016.6	1013.6	1001.3	989.1
157.5°	1059.3	1041.2	1038.3	1026.3	1014.4
160°	1066.9	1052.4	1050.1	1040.9	1031.6
162.5°	1074.7	1064.3	1062.6	1055.7	1048.7
165°	1086.2	1081.4	1079.8	1073.6	1067.3
167.5°	1095.1	1091.1	1090.4	1087.4	1084.4
170°	1102.6	1102.3	1101.6	1098.5	1095.6
172.5°	1103.0	1103.0	1102.8	1102.2	1101.6
175°	1107.5	1109.7	1109.7	1109.7	1109.7
177.5°	1108.0	1109.7	1109.7	1109.7	1109.7
180°	1109.7	1109.7	1109.7	1109.7	1109.7



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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	14.51	15.40	15.43	16.35	17.57	17.35	18.24	18.27	19.19	20.40
	3H	14.99	15.79	15.93	16.74	17.99	18.70	19.50	19.64	20.45	21.70
	4H	15.18	15.94	16.13	16.90	18.15	19.15	19.90	20.10	20.86	22.11
	6H	15.30	16.00	16.27	16.96	18.23	19.43	20.13	20.40	21.10	22.36
	8H	15.30	15.97	16.27	16.95	18.21	19.51	20.18	20.48	21.16	22.42
	12H	15.28	15.91	16.25	16.88	18.17	19.55	20.18	20.53	21.16	22.45
4H	2H	15.55	16.31	16.51	17.26	18.52	17.76	18.52	18.72	19.48	20.73
	3H	16.58	17.21	17.55	18.20	19.46	19.27	19.90	20.24	20.89	22.16
	4H	16.86	17.43	17.83	18.41	19.70	19.80	20.38	20.78	21.36	22.65
	6H	16.98	17.48	17.97	18.48	19.77	20.17	20.67	21.16	21.67	22.96
	8H	16.99	17.45	17.98	18.45	19.75	20.28	20.74	21.27	21.74	23.05
	12H	16.96	17.38	17.97	18.39	19.70	20.34	20.76	21.35	21.77	23.08
8H	4H	17.31	17.78	18.30	18.78	20.08	19.93	20.39	20.92	21.39	22.69
	6H	17.58	17.96	18.59	19.00	20.30	20.37	20.75	21.39	21.79	23.09
	8H	17.62	17.96	18.64	18.98	20.30	20.52	20.86	21.55	21.89	23.21
	12H	17.60	17.90	18.63	18.92	20.29	20.62	20.92	21.65	21.94	23.31
12H	4H	17.32	17.74	18.33	18.75	20.06	19.90	20.31	20.91	21.33	22.64
	6H	17.64	17.98	18.66	19.00	20.32	20.37	20.71	21.39	21.73	23.05
	8H	17.71	18.00	18.73	19.02	20.39	20.53	20.83	21.56	21.85	23.21