

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: P935346

Luminaire Tested: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-4000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935346
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-8-4000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

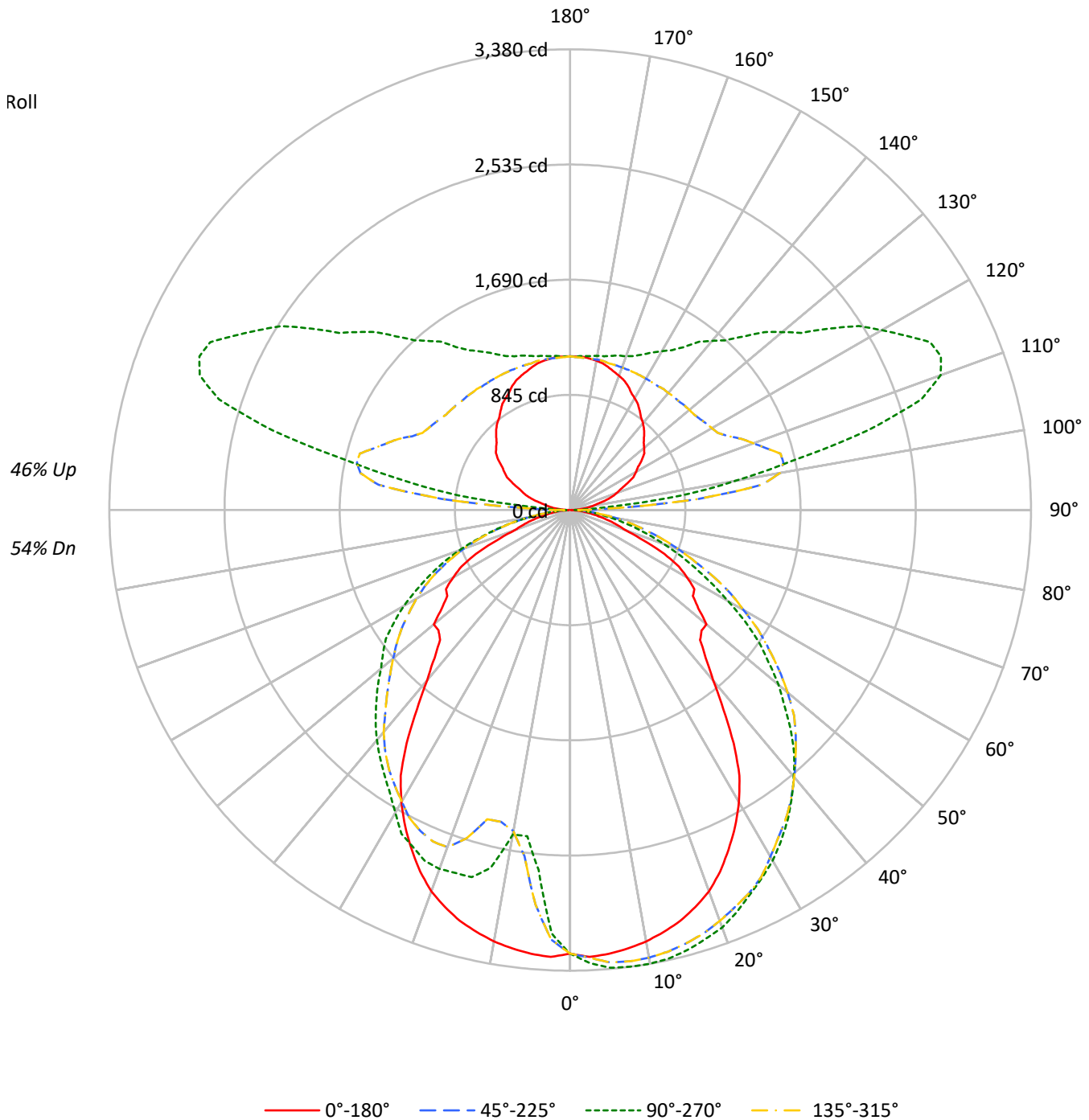
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15750.4 lumens
Efficiency: N/A
Efficacy: 114.5 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-92765-1D-UNV-STD-W-8-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P935346

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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	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°	15097	15097	15097	15097
5°	15210	15240	15210	11983
10°	15108	15012	15108	10733
15°	14944	14686	14944	12264
20°	14632	14301	14632	12289
25°	13992	13739	13992	12029
30°	13165	13273	13165	11457
35°	11737	12683	11737	10829
40°	9779	11988	9779	10354
45°	8738	11175	8738	9808
50°	9283	10205	9283	9260
55°	8734	9160	8734	8943
60°	9003	7780	9003	8191
65°	8163	6431	8163	7188
70°	5653	5125	5653	6026
75°	4957	3788	4957	4536
80°	3994	2505	3994	2727
85°	2292	1327	2292	1128

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 13392 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.7	1.9
10°-20°	834.0	5.3
20°-30°	1289.2	8.2
30°-40°	1539.0	9.8
40°-50°	1548.0	9.8
50°-60°	1346.9	8.6
60°-70°	955.0	6.1
70°-80°	505.3	3.2
80°-90°	130.1	0.8
90°-100°	549.6	3.5
100°-110°	1444.9	9.2
110°-120°	1498.2	9.5
120°-130°	1201.8	7.6
130°-140°	943.0	6.0
140°-150°	723.8	4.6
150°-160°	521.2	3.3
160°-170°	318.9	2.0
170°-180°	107.7	0.7
0°-30°	2416.9	15.3
0°-40°	3955.8	25.1
0°-60°	6850.8	43.5
0°-90°	8441.2	53.6
90°-120°	3492.8	22.2
90°-150°	6361.3	40.4
90°-180°	7309.0	46.4
0°-180°	15750.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3254	3254	3254	3254	3254	
5°	3269	3371	3269	2651	3269	310
15°	3122	3340	3122	2789	3122	878
25°	2749	3115	2749	2728	2749	1262
35°	2090	2780	2090	2374	2090	1293
45°	1348	2290	1348	2010	1348	1080
55°	1099	1690	1099	1650	1099	1010
65°	764	1019	764	1139	764	730
75°	289	483	289	579	289	304
85°	49	123	49	105	49	66
90°	8	29	8	29	8	8
95°	73	332	73	332	73	81
105°	260	2262	260	2262	260	276
115°	462	2913	462	2913	462	457
125°	643	2320	643	2320	643	571
135°	767	1800	767	1800	767	593
145°	889	1460	889	1460	889	557
155°	1005	1258	1005	1258	1005	462
165°	1084	1171	1084	1171	1084	306
175°	1128	1135	1128	1135	1128	107
180°	1128	1128	1128	1128	1128	



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CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3281.6	3281.6	3300.1	3306.3	3306.3	3297.1	3287.8	3297.1	3324.7	3334.0	3330.9
5°	3269.3	3294.0	3327.8	3334.0	3340.1	3337.1	3330.9	3337.1	3367.8	3374.0	3377.1
7.5°	3244.7	3290.9	3334.0	3343.2	3352.5	3343.2	3340.1	3346.3	3377.1	3383.2	3383.2
10°	3213.9	3278.6	3327.8	3334.0	3343.2	3334.0	3334.0	3346.3	3377.1	3383.2	3386.3
12.5°	3170.8	3260.0	3306.3	3312.4	3324.7	3321.6	3318.6	3330.9	3361.7	3367.8	3367.8
15°	3121.6	3226.2	3269.3	3275.5	3297.1	3290.9	3290.9	3303.2	3337.1	3346.3	3343.2
17.5°	3053.8	3183.1	3232.4	3241.6	3257.0	3254.0	3257.0	3269.3	3300.1	3306.3	3309.4
20°	2976.9	3124.6	3183.1	3192.4	3207.7	3207.7	3207.7	3223.1	3254.0	3266.2	3266.2
22.5°	2872.2	3063.1	3124.6	3130.8	3149.3	3149.3	3155.4	3177.0	3204.7	3207.7	3207.7
25°	2749.1	2995.3	3047.6	3066.1	3084.6	3093.9	3103.1	3115.4	3124.6	3121.6	3124.6
27.5°	2619.8	2909.1	2976.9	2989.2	3013.8	3023.1	3035.4	3038.5	3041.6	3050.7	3044.6
30°	2475.1	2789.1	2890.6	2903.0	2943.0	2949.1	2936.9	2943.0	2958.4	2964.6	2970.7
32.5°	2311.9	2610.6	2801.4	2829.2	2866.1	2847.6	2844.5	2853.7	2878.4	2878.4	2884.5
35°	2090.3	2472.0	2718.3	2742.9	2770.6	2749.1	2761.4	2764.5	2779.9	2789.1	2786.0
37.5°	1847.1	2352.0	2632.1	2650.6	2672.1	2644.4	2662.9	2672.1	2684.4	2678.2	2678.2
40°	1631.6	2164.1	2530.5	2542.8	2561.3	2539.7	2558.2	2564.4	2570.5	2564.4	2561.3
42.5°	1471.5	1957.9	2422.7	2438.1	2425.8	2441.2	2447.4	2459.7	2450.5	2438.1	2438.1
45°	1348.4	1902.5	2305.7	2324.2	2305.7	2330.4	2339.7	2339.7	2311.9	2305.7	2302.7
47.5°	1308.3	1791.6	2188.8	2188.8	2179.6	2210.3	2225.7	2204.1	2176.5	2167.2	2167.2
50°	1305.2	1668.5	2028.7	2016.4	2059.5	2096.4	2081.1	2059.5	2038.0	2004.1	2004.1
52.5°	1185.2	1517.6	1822.5	1868.7	1936.3	1957.9	1933.3	1911.7	1874.8	1859.4	1847.1
55°	1099.0	1360.7	1634.7	1727.0	1797.8	1825.6	1779.3	1757.8	1702.4	1693.2	1687.0
57.5°	1080.6	1132.9	1462.2	1579.2	1665.5	1662.4	1634.7	1594.7	1548.5	1539.2	1536.2
60°	991.2	818.9	1277.6	1416.1	1505.4	1496.2	1471.5	1434.6	1391.5	1385.3	1379.2
62.5°	898.9	594.2	1068.2	1225.2	1351.4	1348.4	1326.8	1271.4	1240.7	1225.2	1212.9
65°	763.5	498.8	760.4	1019.0	1200.6	1206.7	1160.6	1120.6	1086.7	1068.2	1065.2
67.5°	581.8	406.3	514.1	849.7	1055.9	1049.7	991.2	972.8	929.7	920.5	902.0
70°	431.0	270.9	357.1	689.6	914.3	898.9	852.7	831.2	791.2	769.6	757.3
72.5°	357.1	218.6	261.7	535.7	769.6	751.2	711.2	686.5	652.7	634.2	621.8
75°	289.4	230.9	200.1	397.1	624.9	612.6	575.7	551.1	523.3	498.8	501.8
77.5°	212.4	215.5	160.1	292.4	495.7	477.2	455.6	424.8	412.5	387.9	387.9
80°	160.1	169.3	120.1	200.1	357.1	357.1	338.7	317.1	295.5	283.3	283.3
82.5°	107.7	107.7	89.2	126.3	243.2	234.0	221.7	215.5	203.2	197.0	197.0
85°	49.2	61.6	55.4	77.0	132.4	138.5	138.5	132.4	129.3	123.2	126.3
87.5°	15.4	27.7	33.8	43.1	67.8	70.8	73.9	73.9	73.9	77.0	77.0
90°	7.5	13.6	19.6	21.2	33.3	49.4	57.5	51.1	38.3	28.7	28.7
92.5°	30.3	81.8	133.3	146.1	205.3	284.4	323.8	283.8	203.8	143.8	138.1
95°	72.7	166.8	261.0	284.5	505.2	799.5	946.7	844.8	640.9	488.1	470.8
97.5°	125.6	208.7	291.8	312.6	680.6	1171.2	1416.6	1352.2	1223.4	1126.8	1093.8
100°	166.5	241.8	317.2	336.0	744.4	1288.9	1561.1	1565.8	1575.2	1582.3	1543.0
102.5°	201.3	271.5	341.8	359.4	773.6	1325.8	1602.0	1684.0	1848.2	1971.3	1937.6
105°	260.3	319.8	379.3	394.2	795.3	1330.1	1597.4	1781.3	2149.3	2425.3	2407.2
107.5°	320.8	376.3	431.8	445.7	799.4	1270.9	1506.6	1763.2	2276.5	2661.3	2665.7
110°	361.7	411.8	461.9	474.5	793.3	1218.4	1430.9	1717.8	2291.6	2721.9	2740.7



TEST NUMBER: P935346

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	401.8	449.5	497.4	509.3	793.6	1172.6	1362.1	1655.7	2242.9	2683.3	2712.3
115°	462.4	506.4	550.5	561.5	800.8	1120.0	1279.6	1562.5	2128.2	2552.4	2592.6
117.5°	522.1	562.2	602.2	612.2	815.8	1087.1	1222.8	1478.1	1988.6	2371.5	2416.0
120°	557.0	594.6	632.3	641.7	827.9	1076.1	1200.2	1433.4	1899.9	2249.7	2292.9
122.5°	591.0	629.0	667.0	676.5	845.2	1070.2	1182.7	1392.7	1812.8	2127.9	2170.6
125°	643.2	677.9	712.5	721.2	868.7	1065.5	1163.8	1342.3	1699.1	1966.7	2006.0
127.5°	685.6	720.5	755.5	764.3	892.2	1062.7	1148.0	1301.1	1607.5	1837.3	1870.4
130°	708.2	745.9	783.6	793.0	909.3	1064.4	1141.9	1278.2	1551.0	1755.6	1786.2
132.5°	731.7	769.4	807.0	816.5	923.2	1065.5	1136.6	1258.7	1502.8	1685.9	1713.3
135°	766.6	800.8	835.2	843.8	938.4	1064.5	1127.5	1229.7	1434.2	1587.6	1611.2
137.5°	802.1	836.0	870.1	878.5	961.0	1071.0	1125.9	1212.4	1385.3	1514.9	1534.3
140°	831.6	862.9	894.2	902.0	974.9	1072.1	1120.7	1195.4	1344.7	1456.7	1474.8
142.5°	854.3	883.3	912.2	919.4	986.5	1075.9	1120.7	1186.3	1317.4	1415.8	1431.4
145°	889.2	914.4	939.7	945.9	1001.7	1076.0	1113.1	1166.8	1274.0	1354.5	1366.3
147.5°	923.9	948.5	973.0	979.2	1023.9	1083.4	1113.1	1155.3	1239.7	1303.1	1312.8
150°	946.7	968.9	991.0	996.6	1035.4	1087.2	1113.1	1148.8	1220.1	1273.6	1281.5
152.5°	970.1	987.0	1003.8	1008.0	1043.0	1089.7	1113.1	1143.6	1204.5	1250.1	1256.1
155°	1004.9	1017.3	1029.8	1032.9	1059.6	1095.3	1113.1	1137.3	1185.8	1222.1	1226.0
157.5°	1030.6	1042.7	1054.9	1057.9	1076.3	1100.8	1113.1	1132.0	1169.6	1197.9	1200.6
160°	1048.1	1057.5	1066.9	1069.3	1083.9	1103.4	1113.1	1129.3	1161.6	1185.8	1187.4
162.5°	1065.5	1072.6	1079.6	1081.4	1091.9	1106.0	1113.1	1126.8	1154.0	1174.4	1176.0
165°	1084.4	1090.7	1097.1	1098.8	1103.6	1109.9	1113.1	1122.9	1142.4	1157.1	1158.7
167.5°	1101.8	1104.8	1107.8	1108.6	1112.6	1117.9	1120.7	1127.0	1139.9	1149.4	1150.1
170°	1113.1	1116.1	1119.2	1119.9	1120.2	1120.5	1120.7	1127.0	1139.9	1149.4	1149.4
172.5°	1119.2	1119.9	1120.5	1120.7	1120.7	1120.7	1120.7	1125.8	1135.9	1143.4	1142.9
175°	1127.5	1127.5	1127.5	1127.5	1125.2	1122.2	1120.7	1123.9	1130.2	1135.0	1135.0
177.5°	1127.5	1127.5	1127.5	1127.5	1125.8	1123.4	1122.2	1124.8	1129.8	1133.6	1133.0
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3337.1	3327.8	3337.1	3330.9	3334.0	3324.7	3297.1	3287.8	3297.1	3306.3	3306.3
5°	3377.1	3370.9	3377.1	3377.1	3374.0	3367.8	3337.1	3330.9	3337.1	3340.1	3334.0
7.5°	3389.4	3380.1	3389.4	3383.2	3383.2	3377.1	3346.3	3340.1	3343.2	3352.5	3343.2
10°	3389.4	3380.1	3389.4	3386.3	3383.2	3377.1	3346.3	3334.0	3334.0	3343.2	3334.0
12.5°	3374.0	3367.8	3374.0	3367.8	3367.8	3361.7	3330.9	3318.6	3321.6	3324.7	3312.4
15°	3349.4	3340.1	3349.4	3343.2	3346.3	3337.1	3303.2	3290.9	3290.9	3297.1	3275.5
17.5°	3312.4	3300.1	3312.4	3309.4	3306.3	3300.1	3269.3	3257.0	3254.0	3257.0	3241.6
20°	3269.3	3260.0	3269.3	3266.2	3266.2	3254.0	3223.1	3207.7	3207.7	3207.7	3192.4
22.5°	3201.6	3192.4	3201.6	3207.7	3207.7	3204.7	3177.0	3155.4	3149.3	3149.3	3130.8
25°	3124.6	3115.4	3124.6	3124.6	3121.6	3124.6	3115.4	3103.1	3093.9	3084.6	3066.1
27.5°	3050.7	3044.6	3050.7	3044.6	3050.7	3041.6	3038.5	3035.4	3023.1	3013.8	2989.2
30°	2976.9	2970.7	2976.9	2970.7	2964.6	2958.4	2943.0	2936.9	2949.1	2943.0	2903.0
32.5°	2884.5	2878.4	2884.5	2884.5	2878.4	2878.4	2853.7	2844.5	2847.6	2866.1	2829.2
35°	2789.1	2779.9	2789.1	2786.0	2789.1	2779.9	2764.5	2761.4	2749.1	2770.6	2742.9
37.5°	2678.2	2669.1	2678.2	2678.2	2678.2	2684.4	2672.1	2662.9	2644.4	2672.1	2650.6
40°	2564.4	2552.1	2564.4	2561.3	2564.4	2570.5	2564.4	2558.2	2539.7	2561.3	2542.8
42.5°	2435.1	2432.0	2435.1	2438.1	2438.1	2450.5	2459.7	2447.4	2441.2	2425.8	2438.1
45°	2296.6	2290.4	2296.6	2302.7	2305.7	2311.9	2339.7	2339.7	2330.4	2305.7	2324.2
47.5°	2148.7	2133.4	2148.7	2167.2	2167.2	2176.5	2204.1	2225.7	2210.3	2179.6	2188.8
50°	1991.7	1994.8	1991.7	2004.1	2004.1	2038.0	2059.5	2081.1	2096.4	2059.5	2016.4
52.5°	1837.8	1834.7	1837.8	1847.1	1859.4	1874.8	1911.7	1933.3	1957.9	1936.3	1868.7
55°	1683.9	1690.1	1683.9	1687.0	1693.2	1702.4	1757.8	1779.3	1825.6	1797.8	1727.0
57.5°	1530.0	1520.7	1530.0	1536.2	1539.2	1548.5	1594.7	1634.7	1662.4	1665.5	1579.2
60°	1351.4	1339.2	1351.4	1379.2	1385.3	1391.5	1434.6	1471.5	1496.2	1505.4	1416.1
62.5°	1194.4	1172.9	1194.4	1212.9	1225.2	1240.7	1271.4	1326.8	1348.4	1351.4	1225.2
65°	1028.2	1019.0	1028.2	1065.2	1068.2	1086.7	1120.6	1160.6	1206.7	1200.6	1019.0
67.5°	877.3	877.3	877.3	902.0	920.5	929.7	972.8	991.2	1049.7	1055.9	849.7
70°	738.8	735.7	738.8	757.3	769.6	791.2	831.2	852.7	898.9	914.3	689.6
72.5°	606.5	603.4	606.5	621.8	634.2	652.7	686.5	711.2	751.2	769.6	535.7
75°	489.5	483.3	489.5	501.8	498.8	523.3	551.1	575.7	612.6	624.9	397.1
77.5°	375.6	375.6	375.6	387.9	387.9	412.5	424.8	455.6	477.2	495.7	292.4
80°	280.2	277.1	280.2	283.3	283.3	295.5	317.1	338.7	357.1	357.1	200.1
82.5°	197.0	190.8	197.0	197.0	197.0	203.2	215.5	221.7	234.0	243.2	126.3
85°	123.2	123.2	123.2	126.3	123.2	129.3	132.4	138.5	138.5	132.4	77.0
87.5°	80.0	77.0	80.0	77.0	77.0	73.9	73.9	73.9	70.8	67.8	43.1
90°	28.7	28.7	28.7	28.7	28.7	38.3	51.1	57.5	49.4	33.3	21.2
92.5°	115.3	92.3	115.3	138.1	143.8	203.8	283.8	323.8	284.4	205.3	146.1
95°	401.5	332.2	401.5	470.8	488.1	640.9	844.8	946.7	799.5	505.2	284.5
97.5°	961.9	830.1	961.9	1093.8	1126.8	1223.4	1352.2	1416.6	1171.2	680.6	312.6
100°	1386.0	1228.9	1386.0	1543.0	1582.3	1575.2	1565.8	1561.1	1288.9	744.4	336.0
102.5°	1803.1	1668.5	1803.1	1937.6	1971.3	1848.2	1684.0	1602.0	1325.8	773.6	359.4
105°	2334.9	2262.5	2334.9	2407.2	2425.3	2149.3	1781.3	1597.4	1330.1	795.3	394.2
107.5°	2683.2	2700.7	2683.2	2665.7	2661.3	2276.5	1763.2	1506.6	1270.9	799.4	445.7
110°	2816.1	2891.4	2816.1	2740.7	2721.9	2291.6	1717.8	1430.9	1218.4	793.3	474.5



TEST NUMBER: P935346

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2827.9	2943.6	2827.9	2712.3	2683.3	2242.9	1655.7	1362.1	1172.6	793.6	509.3
115°	2752.9	2913.4	2752.9	2592.6	2552.4	2128.2	1562.5	1279.6	1120.0	800.8	561.5
117.5°	2593.9	2771.8	2593.9	2416.0	2371.5	1988.6	1478.1	1222.8	1087.1	815.8	612.2
120°	2465.8	2638.7	2465.8	2292.9	2249.7	1899.9	1433.4	1200.2	1076.1	827.9	641.7
122.5°	2341.0	2511.5	2341.0	2170.6	2127.9	1812.8	1392.7	1182.7	1070.2	845.2	676.5
125°	2163.0	2320.1	2163.0	2006.0	1966.7	1699.1	1342.3	1163.8	1065.5	868.7	721.2
127.5°	2002.9	2135.5	2002.9	1870.4	1837.3	1607.5	1301.1	1148.0	1062.7	892.2	764.3
130°	1908.6	2031.0	1908.6	1786.2	1755.6	1551.0	1278.2	1141.9	1064.4	909.3	793.0
132.5°	1823.0	1932.6	1823.0	1713.3	1685.9	1502.8	1258.7	1136.6	1065.5	923.2	816.5
135°	1705.8	1800.3	1705.8	1611.2	1587.6	1434.2	1229.7	1127.5	1064.5	938.4	843.8
137.5°	1611.6	1689.0	1611.6	1534.3	1514.9	1385.3	1212.4	1125.9	1071.0	961.0	878.5
140°	1547.0	1619.3	1547.0	1474.8	1456.7	1344.7	1195.4	1120.7	1072.1	974.9	902.0
142.5°	1493.6	1555.8	1493.6	1431.4	1415.8	1317.4	1186.3	1120.7	1075.9	986.5	919.4
145°	1413.4	1460.4	1413.4	1366.3	1354.5	1274.0	1166.8	1113.1	1076.0	1001.7	945.9
147.5°	1351.8	1390.8	1351.8	1312.8	1303.1	1239.7	1155.3	1113.1	1083.4	1023.9	979.2
150°	1313.1	1344.7	1313.1	1281.5	1273.6	1220.1	1148.8	1113.1	1087.2	1035.4	996.6
152.5°	1280.0	1303.8	1280.0	1256.1	1250.1	1204.5	1143.6	1113.1	1089.7	1043.0	1008.0
155°	1241.8	1257.7	1241.8	1226.0	1222.1	1185.8	1137.3	1113.1	1095.3	1059.6	1032.9
157.5°	1211.7	1222.8	1211.7	1200.6	1197.9	1169.6	1132.0	1113.1	1100.8	1076.3	1057.9
160°	1193.8	1200.2	1193.8	1187.4	1185.8	1161.6	1129.3	1113.1	1103.4	1083.9	1069.3
162.5°	1182.0	1188.1	1182.0	1176.0	1174.4	1154.0	1126.8	1113.1	1106.0	1091.9	1081.4
165°	1165.1	1171.4	1165.1	1158.7	1157.1	1142.4	1122.9	1113.1	1109.9	1103.6	1098.8
167.5°	1152.8	1155.5	1152.8	1150.1	1149.4	1139.9	1127.0	1120.7	1117.9	1112.6	1108.6
170°	1149.4	1149.4	1149.4	1149.4	1149.4	1139.9	1127.0	1120.7	1120.5	1120.2	1119.9
172.5°	1140.5	1138.1	1140.5	1142.9	1143.4	1135.9	1125.8	1120.7	1120.7	1120.7	1120.7
175°	1135.0	1135.0	1135.0	1135.0	1135.0	1130.2	1123.9	1120.7	1122.2	1125.2	1127.5
177.5°	1130.2	1127.5	1130.2	1133.0	1133.6	1129.8	1124.8	1122.2	1123.4	1125.8	1127.5
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



TEST NUMBER: P935346

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3300.1	3281.6	3281.6	3250.9	3238.6	3229.3	3213.9	3167.7	3155.4	3143.1	3161.6
5°	3327.8	3294.0	3269.3	3213.9	3167.7	3149.3	3090.8	2980.0	2906.1	2850.6	2819.9
7.5°	3334.0	3290.9	3244.7	3158.5	3047.6	2998.4	2819.9	2616.7	2561.3	2512.1	2481.2
10°	3327.8	3278.6	3213.9	3084.6	2823.0	2736.7	2558.2	2425.8	2392.0	2382.7	2392.0
12.5°	3306.3	3260.0	3170.8	2955.3	2589.0	2530.5	2425.8	2348.9	2342.7	2358.1	2441.2
15°	3269.3	3226.2	3121.6	2782.9	2459.7	2416.6	2342.7	2315.0	2348.9	2456.7	2706.0
17.5°	3232.4	3183.1	3053.8	2613.7	2361.1	2330.4	2278.1	2333.5	2524.3	2669.1	2752.1
20°	3183.1	3124.6	2976.9	2490.5	2290.4	2262.6	2238.1	2487.4	2632.1	2684.4	2730.6
22.5°	3124.6	3063.1	2872.2	2404.3	2216.5	2195.0	2210.3	2573.6	2632.1	2669.1	2709.1
25°	3047.6	2995.3	2749.1	2336.6	2158.0	2133.4	2191.9	2564.4	2598.2	2607.5	2687.5
27.5°	2976.9	2909.1	2619.8	2275.0	2087.2	2078.0	2207.2	2524.3	2549.0	2558.2	2644.4
30°	2890.6	2789.1	2475.1	2210.3	2013.3	2010.2	2210.3	2475.1	2468.9	2493.6	2579.7
32.5°	2801.4	2610.6	2311.9	2130.3	1942.5	1939.4	2188.8	2401.2	2395.1	2428.9	2493.6
35°	2718.3	2472.0	2090.3	2038.0	1853.2	1856.3	2136.5	2315.0	2318.1	2348.9	2388.9
37.5°	2632.1	2352.0	1847.1	1936.3	1767.1	1767.1	2065.6	2235.0	2228.8	2238.1	2293.5
40°	2530.5	2164.1	1631.6	1804.0	1687.0	1677.7	1979.5	2148.7	2127.2	2124.2	2201.1
42.5°	2422.7	1957.9	1471.5	1628.5	1594.7	1582.3	1874.8	2044.1	2004.1	2013.3	2111.8
45°	2305.7	1902.5	1348.4	1376.1	1499.2	1490.0	1760.9	1924.1	1896.3	1921.0	2022.6
47.5°	2188.8	1791.6	1308.3	1142.1	1397.7	1394.6	1634.7	1807.1	1791.6	1816.3	1924.1
50°	2028.7	1668.5	1305.2	979.0	1283.7	1296.1	1483.8	1693.2	1693.2	1714.7	1828.6
52.5°	1822.5	1517.6	1185.2	886.6	1151.3	1188.3	1351.4	1594.7	1600.8	1622.3	1723.9
55°	1634.7	1360.7	1099.0	815.8	994.3	1074.4	1222.2	1493.1	1505.4	1526.9	1619.2
57.5°	1462.2	1132.9	1080.6	732.7	849.7	926.6	1108.2	1394.6	1400.7	1419.2	1508.5
60°	1277.6	818.9	991.2	643.4	723.4	781.9	1003.6	1277.6	1299.1	1311.4	1388.4
62.5°	1068.2	594.2	898.9	581.8	661.9	674.2	917.4	1166.7	1194.4	1203.7	1249.8
65°	760.4	498.8	763.5	529.5	597.2	600.3	825.0	1052.8	1077.5	1092.8	1126.7
67.5°	514.1	406.3	581.8	480.2	548.0	551.1	735.7	920.5	954.3	966.7	988.2
70°	357.1	270.9	431.0	427.9	492.6	498.8	640.3	800.4	831.2	840.4	852.7
72.5°	261.7	218.6	357.1	384.8	434.1	440.3	541.8	664.9	695.7	705.0	711.2
75°	200.1	230.9	289.4	335.6	369.4	372.5	443.3	541.8	563.3	569.5	572.6
77.5°	160.1	215.5	212.4	270.9	301.7	295.5	347.8	418.7	437.2	437.2	437.2
80°	120.1	169.3	160.1	193.9	221.7	215.5	249.3	298.6	304.7	310.9	307.8
82.5°	89.2	107.7	107.7	123.2	147.7	141.6	166.3	193.9	193.9	193.9	200.1
85°	55.4	61.6	49.2	64.7	83.1	80.0	92.3	104.7	107.7	107.7	101.6
87.5°	33.8	27.7	15.4	24.7	36.9	36.9	43.1	46.2	43.1	43.1	43.1
90°	19.6	13.6	7.5	13.6	19.6	21.2	33.3	49.4	57.5	51.1	38.3
92.5°	133.3	81.8	30.3	81.8	133.3	146.1	205.3	284.4	323.8	283.8	203.8
95°	261.0	166.8	72.7	166.8	261.0	284.5	505.2	799.5	946.7	844.8	640.9
97.5°	291.8	208.7	125.6	208.7	291.8	312.6	680.6	1171.2	1416.6	1352.2	1223.4
100°	317.2	241.8	166.5	241.8	317.2	336.0	744.4	1288.9	1561.1	1565.8	1575.2
102.5°	341.8	271.5	201.3	271.5	341.8	359.4	773.6	1325.8	1602.0	1684.0	1848.2
105°	379.3	319.8	260.3	319.8	379.3	394.2	795.3	1330.1	1597.4	1781.3	2149.3
107.5°	431.8	376.3	320.8	376.3	431.8	445.7	799.4	1270.9	1506.6	1763.2	2276.5
110°	461.9	411.8	361.7	411.8	461.9	474.5	793.3	1218.4	1430.9	1717.8	2291.6



TEST NUMBER: P935346

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	497.4	449.5	401.8	449.5	497.4	509.3	793.6	1172.6	1362.1	1655.7	2242.9
115°	550.5	506.4	462.4	506.4	550.5	561.5	800.8	1120.0	1279.6	1562.5	2128.2
117.5°	602.2	562.2	522.1	562.2	602.2	612.2	815.8	1087.1	1222.8	1478.1	1988.6
120°	632.3	594.6	557.0	594.6	632.3	641.7	827.9	1076.1	1200.2	1433.4	1899.9
122.5°	667.0	629.0	591.0	629.0	667.0	676.5	845.2	1070.2	1182.7	1392.7	1812.8
125°	712.5	677.9	643.2	677.9	712.5	721.2	868.7	1065.5	1163.8	1342.3	1699.1
127.5°	755.5	720.5	685.6	720.5	755.5	764.3	892.2	1062.7	1148.0	1301.1	1607.5
130°	783.6	745.9	708.2	745.9	783.6	793.0	909.3	1064.4	1141.9	1278.2	1551.0
132.5°	807.0	769.4	731.7	769.4	807.0	816.5	923.2	1065.5	1136.6	1258.7	1502.8
135°	835.2	800.8	766.6	800.8	835.2	843.8	938.4	1064.5	1127.5	1229.7	1434.2
137.5°	870.1	836.0	802.1	836.0	870.1	878.5	961.0	1071.0	1125.9	1212.4	1385.3
140°	894.2	862.9	831.6	862.9	894.2	902.0	974.9	1072.1	1120.7	1195.4	1344.7
142.5°	912.2	883.3	854.3	883.3	912.2	919.4	986.5	1075.9	1120.7	1186.3	1317.4
145°	939.7	914.4	889.2	914.4	939.7	945.9	1001.7	1076.0	1113.1	1166.8	1274.0
147.5°	973.0	948.5	923.9	948.5	973.0	979.2	1023.9	1083.4	1113.1	1155.3	1239.7
150°	991.0	968.9	946.7	968.9	991.0	996.6	1035.4	1087.2	1113.1	1148.8	1220.1
152.5°	1003.8	987.0	970.1	987.0	1003.8	1008.0	1043.0	1089.7	1113.1	1143.6	1204.5
155°	1029.8	1017.3	1004.9	1017.3	1029.8	1032.9	1059.6	1095.3	1113.1	1137.3	1185.8
157.5°	1054.9	1042.7	1030.6	1042.7	1054.9	1057.9	1076.3	1100.8	1113.1	1132.0	1169.6
160°	1066.9	1057.5	1048.1	1057.5	1066.9	1069.3	1083.9	1103.4	1113.1	1129.3	1161.6
162.5°	1079.6	1072.6	1065.5	1072.6	1079.6	1081.4	1091.9	1106.0	1113.1	1126.8	1154.0
165°	1097.1	1090.7	1084.4	1090.7	1097.1	1098.8	1103.6	1109.9	1113.1	1122.9	1142.4
167.5°	1107.8	1104.8	1101.8	1104.8	1107.8	1108.6	1112.6	1117.9	1120.7	1127.0	1139.9
170°	1119.2	1116.1	1113.1	1116.1	1119.2	1119.9	1120.2	1120.5	1120.7	1127.0	1139.9
172.5°	1120.5	1119.9	1119.2	1119.9	1120.5	1120.7	1120.7	1120.7	1120.7	1125.8	1135.9
175°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1125.2	1122.2	1120.7	1123.9	1130.2
177.5°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1125.8	1123.4	1122.2	1124.8	1129.8
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



TEST NUMBER: P935346

CATALOG NUMBER: SQ4-FA-100U-125D-92765-1D-UNV-STD-W-8-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3140.1	3130.8	3143.1	3109.2	3143.1	3130.8	3140.1	3161.6	3143.1	3155.4	3167.7
5°	2755.2	2739.8	2690.6	2650.6	2690.6	2739.8	2755.2	2819.9	2850.6	2906.1	2980.0
7.5°	2462.8	2450.5	2438.1	2413.5	2438.1	2450.5	2462.8	2481.2	2512.1	2561.3	2616.7
10°	2398.2	2401.2	2419.6	2416.6	2419.6	2401.2	2398.2	2392.0	2382.7	2392.0	2425.8
12.5°	2564.4	2592.1	2693.6	2687.5	2693.6	2592.1	2564.4	2441.2	2358.1	2342.7	2348.9
15°	2755.2	2764.5	2786.0	2789.1	2786.0	2764.5	2755.2	2706.0	2456.7	2348.9	2315.0
17.5°	2773.7	2776.8	2792.1	2792.1	2792.1	2776.8	2773.7	2752.1	2669.1	2524.3	2333.5
20°	2758.3	2764.5	2795.2	2801.4	2795.2	2764.5	2758.3	2730.6	2684.4	2632.1	2487.4
22.5°	2752.1	2764.5	2789.1	2786.0	2789.1	2764.5	2752.1	2709.1	2669.1	2632.1	2573.6
25°	2721.4	2721.4	2724.5	2727.5	2724.5	2721.4	2721.4	2687.5	2607.5	2598.2	2564.4
27.5°	2656.7	2662.9	2681.3	2678.2	2681.3	2662.9	2656.7	2644.4	2558.2	2549.0	2524.3
30°	2598.2	2592.1	2576.6	2564.4	2576.6	2592.1	2598.2	2579.7	2493.6	2468.9	2475.1
32.5°	2499.7	2484.3	2468.9	2459.7	2468.9	2484.3	2499.7	2493.6	2428.9	2395.1	2401.2
35°	2382.7	2385.8	2382.7	2373.5	2382.7	2385.8	2382.7	2388.9	2348.9	2318.1	2315.0
37.5°	2299.7	2305.7	2302.7	2290.4	2302.7	2305.7	2299.7	2293.5	2238.1	2228.8	2235.0
40°	2213.4	2216.5	2213.4	2204.1	2213.4	2216.5	2213.4	2201.1	2124.2	2127.2	2148.7
42.5°	2130.3	2127.2	2118.0	2111.8	2118.0	2127.2	2130.3	2111.8	2013.3	2004.1	2044.1
45°	2034.9	2038.0	2019.5	2010.2	2019.5	2038.0	2034.9	2022.6	1921.0	1896.3	1924.1
47.5°	1939.4	1939.4	1924.1	1914.8	1924.1	1939.4	1939.4	1924.1	1816.3	1791.6	1807.1
50°	1837.8	1834.7	1813.2	1810.2	1813.2	1834.7	1837.8	1828.6	1714.7	1693.2	1693.2
52.5°	1720.9	1720.9	1723.9	1730.1	1723.9	1720.9	1720.9	1723.9	1622.3	1600.8	1594.7
55°	1619.2	1622.3	1643.9	1650.1	1643.9	1622.3	1619.2	1619.2	1526.9	1505.4	1493.1
57.5°	1514.6	1514.6	1530.0	1530.0	1530.0	1514.6	1514.6	1508.5	1419.2	1400.7	1394.6
60°	1394.6	1400.7	1413.0	1409.9	1413.0	1400.7	1394.6	1388.4	1311.4	1299.1	1277.6
62.5°	1268.3	1274.5	1277.6	1271.4	1277.6	1274.5	1268.3	1249.8	1203.7	1194.4	1166.7
65°	1136.0	1142.1	1145.2	1139.0	1145.2	1142.1	1136.0	1126.7	1092.8	1077.5	1052.8
67.5°	1000.5	997.4	994.3	1006.7	994.3	997.4	1000.5	988.2	966.7	954.3	920.5
70°	862.0	862.0	858.9	865.1	858.9	862.0	862.0	852.7	840.4	831.2	800.4
72.5°	714.2	711.2	723.4	714.2	723.4	711.2	714.2	711.2	705.0	695.7	664.9
75°	569.5	575.7	569.5	578.7	569.5	575.7	569.5	572.6	569.5	563.3	541.8
77.5°	434.1	440.3	434.1	434.1	434.1	440.3	434.1	437.2	437.2	437.2	418.7
80°	307.8	304.7	304.7	301.7	304.7	304.7	307.8	307.8	310.9	304.7	298.6
82.5°	197.0	193.9	193.9	200.1	193.9	193.9	197.0	200.1	193.9	193.9	193.9
85°	107.7	110.8	104.7	104.7	104.7	110.8	107.7	101.6	107.7	107.7	104.7
87.5°	40.0	36.9	36.9	36.9	36.9	36.9	40.0	43.1	43.1	43.1	46.2
90°	28.7	28.7	28.7	28.7	28.7	28.7	28.7	38.3	51.1	57.5	49.4
92.5°	143.8	138.1	115.3	92.3	115.3	138.1	143.8	203.8	283.8	323.8	284.4
95°	488.1	470.8	401.5	332.2	401.5	470.8	488.1	640.9	844.8	946.7	799.5
97.5°	1126.8	1093.8	961.9	830.1	961.9	1093.8	1126.8	1223.4	1352.2	1416.6	1171.2
100°	1582.3	1543.0	1386.0	1228.9	1386.0	1543.0	1582.3	1575.2	1565.8	1561.1	1288.9
102.5°	1971.3	1937.6	1803.1	1668.5	1803.1	1937.6	1971.3	1848.2	1684.0	1602.0	1325.8
105°	2425.3	2407.2	2334.9	2262.5	2334.9	2407.2	2425.3	2149.3	1781.3	1597.4	1330.1
107.5°	2661.3	2665.7	2683.2	2700.7	2683.2	2665.7	2661.3	2276.5	1763.2	1506.6	1270.9
110°	2721.9	2740.7	2816.1	2891.4	2816.1	2740.7	2721.9	2291.6	1717.8	1430.9	1218.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2683.3	2712.3	2827.9	2943.6	2827.9	2712.3	2683.3	2242.9	1655.7	1362.1	1172.6
115°	2552.4	2592.6	2752.9	2913.4	2752.9	2592.6	2552.4	2128.2	1562.5	1279.6	1120.0
117.5°	2371.5	2416.0	2593.9	2771.8	2593.9	2416.0	2371.5	1988.6	1478.1	1222.8	1087.1
120°	2249.7	2292.9	2465.8	2638.7	2465.8	2292.9	2249.7	1899.9	1433.4	1200.2	1076.1
122.5°	2127.9	2170.6	2341.0	2511.5	2341.0	2170.6	2127.9	1812.8	1392.7	1182.7	1070.2
125°	1966.7	2006.0	2163.0	2320.1	2163.0	2006.0	1966.7	1699.1	1342.3	1163.8	1065.5
127.5°	1837.3	1870.4	2002.9	2135.5	2002.9	1870.4	1837.3	1607.5	1301.1	1148.0	1062.7
130°	1755.6	1786.2	1908.6	2031.0	1908.6	1786.2	1755.6	1551.0	1278.2	1141.9	1064.4
132.5°	1685.9	1713.3	1823.0	1932.6	1823.0	1713.3	1685.9	1502.8	1258.7	1136.6	1065.5
135°	1587.6	1611.2	1705.8	1800.3	1705.8	1611.2	1587.6	1434.2	1229.7	1127.5	1064.5
137.5°	1514.9	1534.3	1611.6	1689.0	1611.6	1534.3	1514.9	1385.3	1212.4	1125.9	1071.0
140°	1456.7	1474.8	1547.0	1619.3	1547.0	1474.8	1456.7	1344.7	1195.4	1120.7	1072.1
142.5°	1415.8	1431.4	1493.6	1555.8	1493.6	1431.4	1415.8	1317.4	1186.3	1120.7	1075.9
145°	1354.5	1366.3	1413.4	1460.4	1413.4	1366.3	1354.5	1274.0	1166.8	1113.1	1076.0
147.5°	1303.1	1312.8	1351.8	1390.8	1351.8	1312.8	1303.1	1239.7	1155.3	1113.1	1083.4
150°	1273.6	1281.5	1313.1	1344.7	1313.1	1281.5	1273.6	1220.1	1148.8	1113.1	1087.2
152.5°	1250.1	1256.1	1280.0	1303.8	1280.0	1256.1	1250.1	1204.5	1143.6	1113.1	1089.7
155°	1222.1	1226.0	1241.8	1257.7	1241.8	1226.0	1222.1	1185.8	1137.3	1113.1	1095.3
157.5°	1197.9	1200.6	1211.7	1222.8	1211.7	1200.6	1197.9	1169.6	1132.0	1113.1	1100.8
160°	1185.8	1187.4	1193.8	1200.2	1193.8	1187.4	1185.8	1161.6	1129.3	1113.1	1103.4
162.5°	1174.4	1176.0	1182.0	1188.1	1182.0	1176.0	1174.4	1154.0	1126.8	1113.1	1106.0
165°	1157.1	1158.7	1165.1	1171.4	1165.1	1158.7	1157.1	1142.4	1122.9	1113.1	1109.9
167.5°	1149.4	1150.1	1152.8	1155.5	1152.8	1150.1	1149.4	1139.9	1127.0	1120.7	1117.9
170°	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1149.4	1139.9	1127.0	1120.7	1120.5
172.5°	1143.4	1142.9	1140.5	1138.1	1140.5	1142.9	1143.4	1135.9	1125.8	1120.7	1120.7
175°	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1135.0	1130.2	1123.9	1120.7	1122.2
177.5°	1133.6	1133.0	1130.2	1127.5	1130.2	1133.0	1133.6	1129.8	1124.8	1122.2	1123.4
180°	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5	1127.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3254.0	3254.0	3254.0	3254.0	3254.0
2.5°	3213.9	3229.3	3238.6	3250.9	3281.6
5°	3090.8	3149.3	3167.7	3213.9	3269.3
7.5°	2819.9	2998.4	3047.6	3158.5	3244.7
10°	2558.2	2736.7	2823.0	3084.6	3213.9
12.5°	2425.8	2530.5	2589.0	2955.3	3170.8
15°	2342.7	2416.6	2459.7	2782.9	3121.6
17.5°	2278.1	2330.4	2361.1	2613.7	3053.8
20°	2238.1	2262.6	2290.4	2490.5	2976.9
22.5°	2210.3	2195.0	2216.5	2404.3	2872.2
25°	2191.9	2133.4	2158.0	2336.6	2749.1
27.5°	2207.2	2078.0	2087.2	2275.0	2619.8
30°	2210.3	2010.2	2013.3	2210.3	2475.1
32.5°	2188.8	1939.4	1942.5	2130.3	2311.9
35°	2136.5	1856.3	1853.2	2038.0	2090.3
37.5°	2065.6	1767.1	1767.1	1936.3	1847.1
40°	1979.5	1677.7	1687.0	1804.0	1631.6
42.5°	1874.8	1582.3	1594.7	1628.5	1471.5
45°	1760.9	1490.0	1499.2	1376.1	1348.4
47.5°	1634.7	1394.6	1397.7	1142.1	1308.3
50°	1483.8	1296.1	1283.7	979.0	1305.2
52.5°	1351.4	1188.3	1151.3	886.6	1185.2
55°	1222.2	1074.4	994.3	815.8	1099.0
57.5°	1108.2	926.6	849.7	732.7	1080.6
60°	1003.6	781.9	723.4	643.4	991.2
62.5°	917.4	674.2	661.9	581.8	898.9
65°	825.0	600.3	597.2	529.5	763.5
67.5°	735.7	551.1	548.0	480.2	581.8
70°	640.3	498.8	492.6	427.9	431.0
72.5°	541.8	440.3	434.1	384.8	357.1
75°	443.3	372.5	369.4	335.6	289.4
77.5°	347.8	295.5	301.7	270.9	212.4
80°	249.3	215.5	221.7	193.9	160.1
82.5°	166.3	141.6	147.7	123.2	107.7
85°	92.3	80.0	83.1	64.7	49.2
87.5°	43.1	36.9	36.9	24.7	15.4
90°	33.3	21.2	19.6	13.6	7.5
92.5°	205.3	146.1	133.3	81.8	30.3
95°	505.2	284.5	261.0	166.8	72.7
97.5°	680.6	312.6	291.8	208.7	125.6
100°	744.4	336.0	317.2	241.8	166.5
102.5°	773.6	359.4	341.8	271.5	201.3
105°	795.3	394.2	379.3	319.8	260.3
107.5°	799.4	445.7	431.8	376.3	320.8
110°	793.3	474.5	461.9	411.8	361.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	793.6	509.3	497.4	449.5	401.8
115°	800.8	561.5	550.5	506.4	462.4
117.5°	815.8	612.2	602.2	562.2	522.1
120°	827.9	641.7	632.3	594.6	557.0
122.5°	845.2	676.5	667.0	629.0	591.0
125°	868.7	721.2	712.5	677.9	643.2
127.5°	892.2	764.3	755.5	720.5	685.6
130°	909.3	793.0	783.6	745.9	708.2
132.5°	923.2	816.5	807.0	769.4	731.7
135°	938.4	843.8	835.2	800.8	766.6
137.5°	961.0	878.5	870.1	836.0	802.1
140°	974.9	902.0	894.2	862.9	831.6
142.5°	986.5	919.4	912.2	883.3	854.3
145°	1001.7	945.9	939.7	914.4	889.2
147.5°	1023.9	979.2	973.0	948.5	923.9
150°	1035.4	996.6	991.0	968.9	946.7
152.5°	1043.0	1008.0	1003.8	987.0	970.1
155°	1059.6	1032.9	1029.8	1017.3	1004.9
157.5°	1076.3	1057.9	1054.9	1042.7	1030.6
160°	1083.9	1069.3	1066.9	1057.5	1048.1
162.5°	1091.9	1081.4	1079.6	1072.6	1065.5
165°	1103.6	1098.8	1097.1	1090.7	1084.4
167.5°	1112.6	1108.6	1107.8	1104.8	1101.8
170°	1120.2	1119.9	1119.2	1116.1	1113.1
172.5°	1120.7	1120.7	1120.5	1119.9	1119.2
175°	1125.2	1127.5	1127.5	1127.5	1127.5
177.5°	1125.8	1127.5	1127.5	1127.5	1127.5
180°	1127.5	1127.5	1127.5	1127.5	1127.5



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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	14.56	15.46	15.49	16.40	17.62	17.40	18.30	18.33	19.24	20.46
	3H	15.04	15.85	15.98	16.80	18.04	18.75	19.55	19.69	20.51	21.75
	4H	15.24	15.99	16.19	16.95	18.20	19.20	19.96	20.15	20.92	22.17
	6H	15.36	16.06	16.32	17.02	18.28	19.49	20.19	20.45	21.15	22.42
	8H	15.36	16.02	16.33	17.00	18.27	19.57	20.23	20.54	21.21	22.47
	12H	15.33	15.96	16.31	16.94	18.23	19.61	20.24	20.58	21.21	22.50
4H	2H	15.60	16.36	16.56	17.32	18.57	17.82	18.57	18.77	19.53	20.78
	3H	16.63	17.27	17.60	18.25	19.52	19.33	19.96	20.29	20.95	22.21
	4H	16.91	17.49	17.89	18.47	19.76	19.86	20.43	20.83	21.42	22.71
	6H	17.04	17.53	18.03	18.54	19.83	20.23	20.72	21.22	21.73	23.02
	8H	17.04	17.51	18.04	18.51	19.81	20.34	20.80	21.33	21.80	23.10
	12H	17.01	17.43	18.02	18.45	19.75	20.40	20.81	21.41	21.83	23.14
8H	4H	17.37	17.83	18.36	18.83	20.13	19.98	20.45	20.98	21.45	22.75
	6H	17.63	18.02	18.65	19.06	20.36	20.42	20.81	21.44	21.85	23.15
	8H	17.67	18.01	18.70	19.04	20.36	20.58	20.92	21.60	21.94	23.26
	12H	17.66	17.96	18.69	18.98	20.34	20.68	20.98	21.71	22.00	23.36
12H	4H	17.38	17.80	18.39	18.81	20.12	19.95	20.37	20.96	21.38	22.69
	6H	17.69	18.03	18.72	19.06	20.38	20.42	20.76	21.45	21.79	23.11
	8H	17.76	18.06	18.79	19.08	20.44	20.59	20.88	21.61	21.91	23.27