

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: P934726

Luminaire Tested: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934726
REPORT IS A COMBINATION OF REPORTS P933709 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

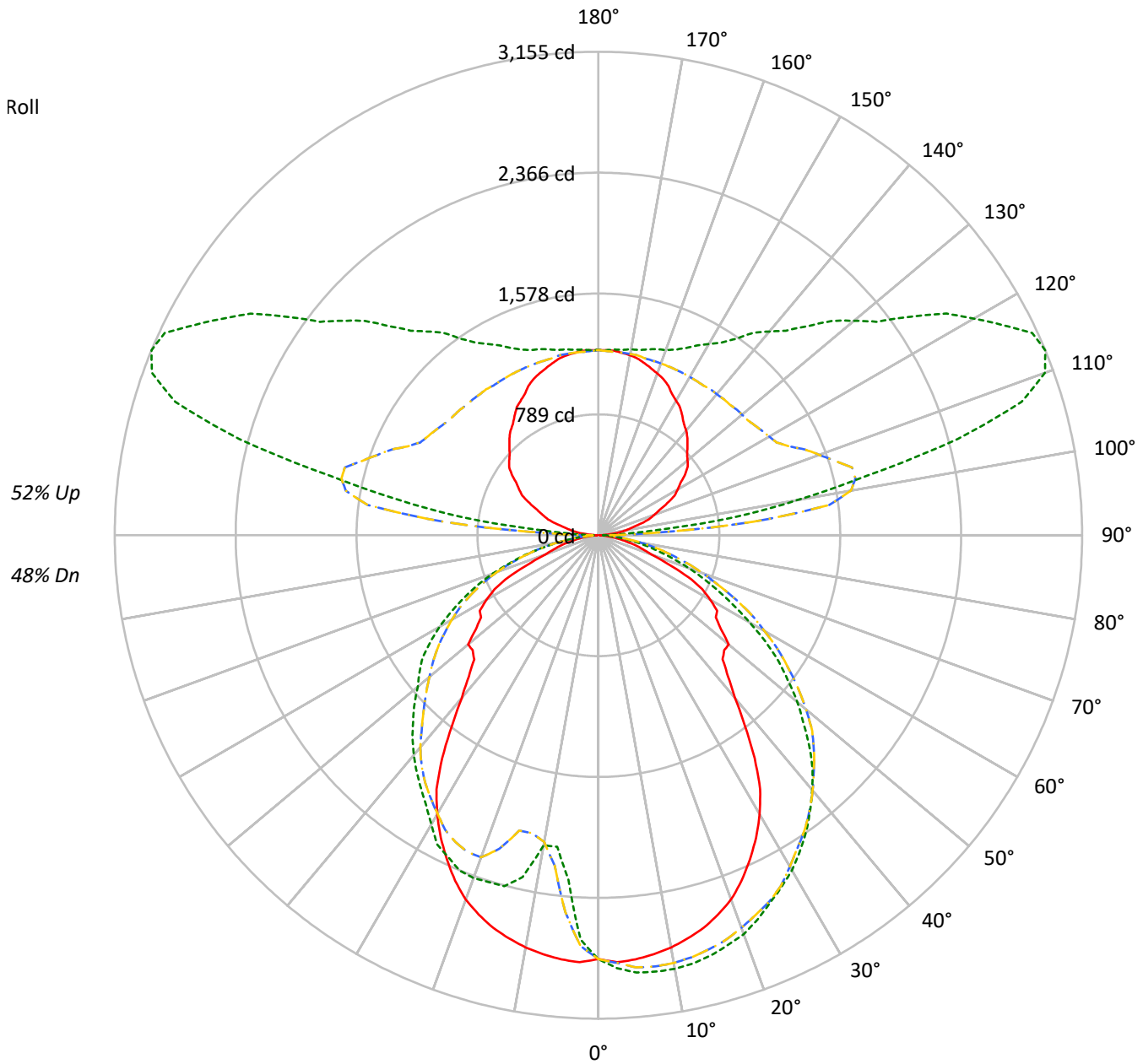
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15007.6 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 127.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									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	50	30	10	50	30	10	50	30	10	0																
RCR																																														
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48	48	48	48	48	48	48	48	48	48																
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46	40	40	40	40	40	40	40	40	40	40	40	40	40																
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	34	34	34	34	34	34	34	34	34	34	34	34																
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29	29	29	29	29	29	29	29	29	29	29	29	29																
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25	25	25	25	25	25	25	25	25	25	25	25	25																
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21	21	21	21	21	21	21	21	21	21	21	21	21																
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19	19	19	19	19	19	19	19	19	19																
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17	17	17	17	17	17	17	17	17	17	17	17	17																
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15	15	15	15	15	15	15	15	15	15																
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13	13	13	13	13	13	13	13	13	13																
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12	12	12	12	12	12	12	12	12	12																

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8553	8553	8553	8553
5°	8620	8634	8620	6789
10°	8566	8505	8566	6080
15°	8476	8321	8476	6948
20°	8302	8102	8302	6962
25°	7943	7784	7943	6815
30°	7476	7520	7476	6491
35°	6668	7185	6668	6135
40°	5559	6792	5559	5866
45°	4971	6331	4971	5557
50°	5285	5781	5285	5246
55°	4977	5189	4977	5066
60°	5137	4407	5137	4641
65°	4665	3643	4665	4073
70°	3239	2903	3239	3414
75°	2850	2146	2850	2570
80°	2313	1419	2313	1545
85°	1358	751	1358	638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7614 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.6	1.7
10°-20°	708.7	4.7
20°-30°	1095.6	7.3
30°-40°	1307.8	8.7
40°-50°	1315.5	8.8
50°-60°	1144.6	7.6
60°-70°	811.6	5.4
70°-80°	429.4	2.9
80°-90°	111.5	0.7
90°-100°	589.0	3.9
100°-110°	1548.5	10.3
110°-120°	1605.7	10.7
120°-130°	1287.9	8.6
130°-140°	1010.6	6.7
140°-150°	775.7	5.2
150°-160°	558.6	3.7
160°-170°	341.8	2.3
170°-180°	115.5	0.8
0°-30°	2053.9	13.7
0°-40°	3361.8	22.4
0°-60°	5821.9	38.8
0°-90°	7174.4	47.8
90°-120°	3743.2	24.9
90°-150°	6817.4	45.4
90°-180°	7833.0	52.2
0°-180°	15007.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2765	2765	2765	2765	2765	
5°	2778	2865	2778	2252	2778	264
15°	2653	2839	2653	2370	2653	746
25°	2336	2648	2336	2318	2336	1073
35°	1776	2362	1776	2017	1776	1099
45°	1146	1946	1146	1708	1146	918
55°	934	1436	934	1402	934	858
65°	649	866	649	968	649	620
75°	246	411	246	492	246	259
85°	42	105	42	89	42	57
90°	8	31	8	31	8	8
95°	78	356	78	356	78	86
105°	279	2425	279	2425	279	296
115°	496	3122	496	3122	496	489
125°	689	2486	689	2486	689	612
135°	822	1929	822	1929	822	636
145°	953	1565	953	1565	953	597
155°	1077	1348	1077	1348	1077	495
165°	1162	1255	1162	1255	1162	328
175°	1208	1216	1208	1216	1208	115
180°	1208	1208	1208	1208	1208	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2788.9	2788.9	2804.5	2809.8	2809.8	2801.9	2794.1	2801.9	2825.5	2833.3	2830.7
5°	2778.4	2799.3	2828.1	2833.3	2838.6	2835.9	2830.7	2835.9	2862.1	2867.3	2870.0
7.5°	2757.5	2796.7	2833.3	2841.2	2849.0	2841.2	2838.6	2843.8	2870.0	2875.2	2875.2
10°	2731.3	2786.2	2828.1	2833.3	2841.2	2833.3	2833.3	2843.8	2870.0	2875.2	2877.8
12.5°	2694.7	2770.5	2809.8	2815.0	2825.5	2822.9	2820.2	2830.7	2856.9	2862.1	2862.1
15°	2652.8	2741.8	2778.4	2783.6	2801.9	2796.7	2796.7	2807.2	2835.9	2843.8	2841.2
17.5°	2595.3	2705.1	2747.0	2754.8	2767.9	2765.3	2767.9	2778.4	2804.5	2809.8	2812.4
20°	2529.9	2655.4	2705.1	2713.0	2726.1	2726.1	2726.1	2739.1	2765.3	2775.8	2775.8
22.5°	2440.9	2603.1	2655.4	2660.7	2676.4	2676.4	2681.6	2699.9	2723.4	2726.1	2726.1
25°	2336.3	2545.6	2590.0	2605.7	2621.4	2629.3	2637.1	2647.6	2655.4	2652.8	2655.4
27.5°	2226.3	2472.3	2529.9	2540.3	2561.3	2569.1	2579.6	2582.2	2584.8	2592.6	2587.4
30°	2103.3	2370.3	2456.6	2467.1	2501.1	2506.3	2495.8	2501.1	2514.2	2519.4	2524.6
32.5°	1964.7	2218.5	2380.7	2404.3	2435.7	2420.0	2417.4	2425.2	2446.1	2446.1	2451.4
35°	1776.3	2100.7	2310.1	2331.0	2354.6	2336.3	2346.7	2349.3	2362.4	2370.3	2367.7
37.5°	1569.7	1998.7	2236.8	2252.5	2270.8	2247.2	2262.9	2270.8	2281.2	2276.0	2276.0
40°	1386.5	1839.1	2150.4	2160.9	2176.6	2158.3	2174.0	2179.2	2184.4	2179.2	2176.6
42.5°	1250.5	1663.8	2058.9	2072.0	2061.5	2074.6	2079.8	2090.3	2082.4	2072.0	2072.0
45°	1145.9	1616.8	1959.5	1975.2	1959.5	1980.4	1988.2	1988.2	1964.7	1959.5	1956.8
47.5°	1111.8	1522.6	1860.0	1860.0	1852.2	1878.4	1891.4	1873.1	1849.6	1841.7	1841.7
50°	1109.2	1417.9	1724.0	1713.5	1750.2	1781.6	1768.5	1750.2	1731.9	1703.1	1703.1
52.5°	1007.2	1289.7	1548.7	1588.0	1645.5	1663.8	1642.9	1624.6	1593.2	1580.1	1569.7
55°	933.9	1156.3	1389.2	1467.6	1527.8	1551.3	1512.1	1493.8	1446.7	1438.9	1433.6
57.5°	918.3	962.7	1242.6	1342.1	1415.3	1412.7	1389.2	1355.1	1315.9	1308.1	1305.4
60°	842.4	695.9	1085.7	1203.4	1279.3	1271.4	1250.5	1219.1	1182.5	1177.2	1172.0
62.5°	763.9	504.9	907.8	1041.2	1148.5	1145.9	1127.5	1080.5	1054.3	1041.2	1030.7
65°	648.8	423.8	646.2	865.9	1020.3	1025.5	986.3	952.3	923.5	907.8	905.2
67.5°	494.4	345.3	436.9	722.0	897.3	892.1	842.4	826.7	790.1	782.2	766.5
70°	366.3	230.2	303.5	586.0	777.0	763.9	724.7	706.3	672.3	654.0	643.6
72.5°	303.5	185.7	222.4	455.2	654.0	638.3	604.3	583.4	554.6	538.9	528.5
75°	245.9	196.2	170.0	337.5	531.1	520.6	489.2	468.3	444.7	423.8	426.4
77.5°	180.5	183.1	136.0	248.5	421.2	405.5	387.2	361.0	350.6	329.6	329.6
80°	136.0	143.9	102.0	170.0	303.5	303.5	287.8	269.5	251.1	240.7	240.7
82.5°	91.6	91.6	75.9	107.3	206.7	198.8	188.4	183.1	172.7	167.4	167.4
85°	41.9	52.3	47.1	65.4	112.5	117.7	117.7	112.5	109.9	104.6	107.3
87.5°	13.1	23.5	28.8	36.6	57.6	60.2	62.8	62.8	62.8	65.4	65.4
90°	8.1	14.6	21.0	22.7	35.7	53.0	61.7	54.8	41.1	30.8	30.8
92.5°	32.4	87.6	142.8	156.5	220.0	304.7	347.1	304.2	218.4	154.1	148.0
95°	77.9	178.8	279.7	305.0	541.4	856.9	1014.5	905.3	686.9	523.0	504.5
97.5°	134.6	223.7	312.7	334.9	729.4	1255.2	1518.1	1449.1	1311.0	1207.5	1172.2
100°	178.4	259.2	339.9	360.1	797.7	1381.2	1673.0	1678.1	1688.2	1695.8	1653.6
102.5°	215.7	291.1	366.3	385.2	829.0	1420.9	1716.9	1804.8	1980.7	2112.6	2076.6
105°	279.0	342.8	406.5	422.5	852.3	1425.4	1712.0	1909.1	2303.5	2599.2	2579.8
107.5°	343.8	403.3	462.8	477.7	856.7	1362.0	1614.7	1889.7	2439.7	2852.2	2856.9
110°	387.6	441.3	495.1	508.5	850.1	1305.8	1533.6	1841.0	2455.9	2917.0	2937.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	430.6	481.8	533.0	545.8	850.5	1256.7	1459.8	1774.4	2403.8	2875.7	2906.7
115°	495.5	542.7	589.9	601.7	858.3	1200.4	1371.4	1674.5	2280.7	2735.4	2778.4
117.5°	559.6	602.5	645.3	656.0	874.2	1165.0	1310.5	1584.0	2131.2	2541.5	2589.2
120°	596.9	637.3	677.6	687.7	887.2	1153.2	1286.2	1536.1	2036.0	2411.0	2457.3
122.5°	633.4	674.1	714.8	725.0	905.9	1147.0	1267.5	1492.6	1942.8	2280.5	2326.2
125°	689.3	726.5	763.6	772.9	931.0	1141.8	1247.3	1438.5	1820.9	2107.7	2149.8
127.5°	734.8	772.3	809.8	819.1	956.2	1138.9	1230.3	1394.5	1722.8	1969.1	2004.5
130°	759.1	799.5	839.8	849.9	974.5	1140.6	1223.7	1369.9	1662.2	1881.4	1914.2
132.5°	784.2	824.6	864.9	875.0	989.3	1141.8	1218.1	1348.9	1610.6	1806.9	1836.2
135°	821.5	858.3	895.1	904.2	1005.6	1140.8	1208.4	1317.9	1537.0	1701.4	1726.7
137.5°	859.7	896.0	932.5	941.5	1030.0	1147.8	1206.7	1299.3	1484.6	1623.6	1644.3
140°	891.2	924.7	958.3	966.6	1044.8	1149.0	1201.1	1281.1	1441.1	1561.1	1580.5
142.5°	915.5	946.6	977.6	985.3	1057.3	1153.1	1201.1	1271.3	1411.9	1517.3	1534.0
145°	952.9	979.9	1006.9	1013.7	1073.5	1153.1	1192.9	1250.4	1365.4	1451.7	1464.3
147.5°	990.2	1016.5	1042.9	1049.4	1097.3	1161.0	1192.9	1238.2	1328.6	1396.5	1406.9
150°	1014.5	1038.3	1062.1	1068.1	1109.7	1165.2	1192.9	1231.1	1307.5	1364.8	1373.3
152.5°	1039.6	1057.7	1075.7	1080.2	1117.8	1167.9	1192.9	1225.6	1290.8	1339.7	1346.1
155°	1077.0	1090.3	1103.6	1107.0	1135.6	1173.8	1192.9	1218.9	1270.8	1309.7	1314.0
157.5°	1104.5	1117.5	1130.5	1133.7	1153.4	1179.8	1192.9	1213.1	1253.5	1283.7	1286.7
160°	1123.2	1133.3	1143.4	1145.9	1161.6	1182.5	1192.9	1210.2	1244.8	1270.8	1272.6
162.5°	1141.8	1149.4	1156.9	1158.8	1170.2	1185.4	1192.9	1207.5	1236.7	1258.6	1260.3
165°	1162.2	1169.0	1175.8	1177.5	1182.7	1189.5	1192.9	1203.4	1224.2	1239.9	1241.7
167.5°	1180.7	1184.0	1187.3	1188.1	1192.4	1198.2	1201.1	1207.9	1221.5	1231.8	1232.5
170°	1192.9	1196.2	1199.5	1200.3	1200.5	1200.9	1201.1	1207.9	1221.5	1231.8	1231.8
172.5°	1199.4	1200.1	1200.9	1201.1	1201.1	1201.1	1201.1	1206.5	1217.3	1225.4	1224.8
175°	1208.4	1208.4	1208.4	1208.4	1205.9	1202.7	1201.1	1204.5	1211.3	1216.5	1216.5
177.5°	1208.4	1208.4	1208.4	1208.4	1206.5	1203.9	1202.7	1205.4	1210.8	1214.8	1214.1
180°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2835.9	2828.1	2835.9	2830.7	2833.3	2825.5	2801.9	2794.1	2801.9	2809.8	2809.8
5°	2870.0	2864.7	2870.0	2870.0	2867.3	2862.1	2835.9	2830.7	2835.9	2838.6	2833.3
7.5°	2880.4	2872.6	2880.4	2875.2	2875.2	2870.0	2843.8	2838.6	2841.2	2849.0	2841.2
10°	2880.4	2872.6	2880.4	2877.8	2875.2	2870.0	2843.8	2833.3	2833.3	2841.2	2833.3
12.5°	2867.3	2862.1	2867.3	2862.1	2862.1	2856.9	2830.7	2820.2	2822.9	2825.5	2815.0
15°	2846.4	2838.6	2846.4	2841.2	2843.8	2835.9	2807.2	2796.7	2796.7	2801.9	2783.6
17.5°	2815.0	2804.5	2815.0	2812.4	2809.8	2804.5	2778.4	2767.9	2765.3	2767.9	2754.8
20°	2778.4	2770.5	2778.4	2775.8	2775.8	2765.3	2739.1	2726.1	2726.1	2726.1	2713.0
22.5°	2720.8	2713.0	2720.8	2726.1	2726.1	2723.4	2699.9	2681.6	2676.4	2676.4	2660.7
25°	2655.4	2647.6	2655.4	2655.4	2652.8	2655.4	2647.6	2637.1	2629.3	2621.4	2605.7
27.5°	2592.6	2587.4	2592.6	2587.4	2592.6	2584.8	2582.2	2579.6	2569.1	2561.3	2540.3
30°	2529.9	2524.6	2529.9	2524.6	2519.4	2514.2	2501.1	2495.8	2506.3	2501.1	2467.1
32.5°	2451.4	2446.1	2451.4	2451.4	2446.1	2446.1	2425.2	2417.4	2420.0	2435.7	2404.3
35°	2370.3	2362.4	2370.3	2367.7	2370.3	2362.4	2349.3	2346.7	2336.3	2354.6	2331.0
37.5°	2276.0	2268.2	2276.0	2276.0	2276.0	2281.2	2270.8	2262.9	2247.2	2270.8	2252.5
40°	2179.2	2168.7	2179.2	2176.6	2179.2	2184.4	2179.2	2174.0	2158.3	2176.6	2160.9
42.5°	2069.3	2066.7	2069.3	2072.0	2072.0	2082.4	2090.3	2079.8	2074.6	2061.5	2072.0
45°	1951.6	1946.4	1951.6	1956.8	1959.5	1964.7	1988.2	1988.2	1980.4	1959.5	1975.2
47.5°	1826.0	1813.0	1826.0	1841.7	1841.7	1849.6	1873.1	1891.4	1878.4	1852.2	1860.0
50°	1692.6	1695.2	1692.6	1703.1	1703.1	1731.9	1750.2	1768.5	1781.6	1750.2	1713.5
52.5°	1561.8	1559.2	1561.8	1569.7	1580.1	1593.2	1624.6	1642.9	1663.8	1645.5	1588.0
55°	1431.0	1436.2	1431.0	1433.6	1438.9	1446.7	1493.8	1512.1	1551.3	1527.8	1467.6
57.5°	1300.2	1292.4	1300.2	1305.4	1308.1	1315.9	1355.1	1389.2	1412.7	1415.3	1342.1
60°	1148.5	1138.0	1148.5	1172.0	1177.2	1182.5	1219.1	1250.5	1271.4	1279.3	1203.4
62.5°	1015.0	996.7	1015.0	1030.7	1041.2	1054.3	1080.5	1127.5	1145.9	1148.5	1041.2
65°	873.8	865.9	873.8	905.2	907.8	923.5	952.3	986.3	1025.5	1020.3	865.9
67.5°	745.6	745.6	745.6	766.5	782.2	790.1	826.7	842.4	892.1	897.3	722.0
70°	627.9	625.2	627.9	643.6	654.0	672.3	706.3	724.7	763.9	777.0	586.0
72.5°	515.4	512.8	515.4	528.5	538.9	554.6	583.4	604.3	638.3	654.0	455.2
75°	416.0	410.7	416.0	426.4	423.8	444.7	468.3	489.2	520.6	531.1	337.5
77.5°	319.2	319.2	319.2	329.6	329.6	350.6	361.0	387.2	405.5	421.2	248.5
80°	238.1	235.4	238.1	240.7	240.7	251.1	269.5	287.8	303.5	303.5	170.0
82.5°	167.4	162.2	167.4	167.4	167.4	172.7	183.1	188.4	198.8	206.7	107.3
85°	104.6	104.6	104.6	107.3	104.6	109.9	112.5	117.7	117.7	112.5	65.4
87.5°	68.0	65.4	68.0	65.4	65.4	62.8	62.8	62.8	60.2	57.6	36.6
90°	30.8	30.8	30.8	30.8	30.8	41.1	54.8	61.7	53.0	35.7	22.7
92.5°	123.5	99.0	123.5	148.0	154.1	218.4	304.2	347.1	304.7	220.0	156.5
95°	430.3	356.1	430.3	504.5	523.0	686.9	905.3	1014.5	856.9	541.4	305.0
97.5°	1030.9	889.6	1030.9	1172.2	1207.5	1311.0	1449.1	1518.1	1255.2	729.4	334.9
100°	1485.3	1317.0	1485.3	1653.6	1695.8	1688.2	1678.1	1673.0	1381.2	797.7	360.1
102.5°	1932.3	1788.2	1932.3	2076.6	2112.6	1980.7	1804.8	1716.9	1420.9	829.0	385.2
105°	2502.3	2424.8	2502.3	2579.8	2599.2	2303.5	1909.1	1712.0	1425.4	852.3	422.5
107.5°	2875.6	2894.4	2875.6	2856.9	2852.2	2439.7	1889.7	1614.7	1362.0	856.7	477.7
110°	3017.9	3098.7	3017.9	2937.2	2917.0	2455.9	1841.0	1533.6	1305.8	850.1	508.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3030.7	3154.7	3030.7	2906.7	2875.7	2403.8	1774.4	1459.8	1256.7	850.5	545.8
115°	2950.3	3122.2	2950.3	2778.4	2735.4	2280.7	1674.5	1371.4	1200.4	858.3	601.7
117.5°	2779.9	2970.6	2779.9	2589.2	2541.5	2131.2	1584.0	1310.5	1165.0	874.2	656.0
120°	2642.6	2827.8	2642.6	2457.3	2411.0	2036.0	1536.1	1286.2	1153.2	887.2	687.7
122.5°	2508.8	2691.6	2508.8	2326.2	2280.5	1942.8	1492.6	1267.5	1147.0	905.9	725.0
125°	2318.1	2486.4	2318.1	2149.8	2107.7	1820.9	1438.5	1247.3	1141.8	931.0	772.9
127.5°	2146.6	2288.6	2146.6	2004.5	1969.1	1722.8	1394.5	1230.3	1138.9	956.2	819.1
130°	2045.4	2176.7	2045.4	1914.2	1881.4	1662.2	1369.9	1223.7	1140.6	974.5	849.9
132.5°	1953.7	2071.3	1953.7	1836.2	1806.9	1610.6	1348.9	1218.1	1141.8	989.3	875.0
135°	1828.0	1929.3	1828.0	1726.7	1701.4	1537.0	1317.9	1208.4	1140.8	1005.6	904.2
137.5°	1727.2	1810.1	1727.2	1644.3	1623.6	1484.6	1299.3	1206.7	1147.8	1030.0	941.5
140°	1658.0	1735.4	1658.0	1580.5	1561.1	1441.1	1281.1	1201.1	1149.0	1044.8	966.6
142.5°	1600.7	1667.3	1600.7	1534.0	1517.3	1411.9	1271.3	1201.1	1153.1	1057.3	985.3
145°	1514.7	1565.1	1514.7	1464.3	1451.7	1365.4	1250.4	1192.9	1153.1	1073.5	1013.7
147.5°	1448.7	1490.6	1448.7	1406.9	1396.5	1328.6	1238.2	1192.9	1161.0	1097.3	1049.4
150°	1407.2	1441.1	1407.2	1373.3	1364.8	1307.5	1231.1	1192.9	1165.2	1109.7	1068.1
152.5°	1371.7	1397.3	1371.7	1346.1	1339.7	1290.8	1225.6	1192.9	1167.9	1117.8	1080.2
155°	1330.9	1347.8	1330.9	1314.0	1309.7	1270.8	1218.9	1192.9	1173.8	1135.6	1107.0
157.5°	1298.6	1310.5	1298.6	1286.7	1283.7	1253.5	1213.1	1192.9	1179.8	1153.4	1133.7
160°	1279.4	1286.2	1279.4	1272.6	1270.8	1244.8	1210.2	1192.9	1182.5	1161.6	1145.9
162.5°	1266.7	1273.3	1266.7	1260.3	1258.6	1236.7	1207.5	1192.9	1185.4	1170.2	1158.8
165°	1248.5	1255.4	1248.5	1241.7	1239.9	1224.2	1203.4	1192.9	1189.5	1182.7	1177.5
167.5°	1235.5	1238.4	1235.5	1232.5	1231.8	1221.5	1207.9	1201.1	1198.2	1192.4	1188.1
170°	1231.8	1231.8	1231.8	1231.8	1231.8	1221.5	1207.9	1201.1	1200.9	1200.5	1200.3
172.5°	1222.2	1219.7	1222.2	1224.8	1225.4	1217.3	1206.5	1201.1	1201.1	1201.1	1201.1
175°	1216.5	1216.5	1216.5	1216.5	1216.5	1211.3	1204.5	1201.1	1202.7	1205.9	1208.4
177.5°	1211.3	1208.4	1211.3	1214.1	1214.8	1210.8	1205.4	1202.7	1203.9	1206.5	1208.4
180°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2804.5	2788.9	2788.9	2762.7	2752.2	2744.4	2731.3	2692.1	2681.6	2671.1	2686.8
5°	2828.1	2799.3	2778.4	2731.3	2692.1	2676.4	2626.7	2532.5	2469.7	2422.6	2396.4
7.5°	2833.3	2796.7	2757.5	2684.2	2590.0	2548.2	2396.4	2223.7	2176.6	2134.7	2108.6
10°	2828.1	2786.2	2731.3	2621.4	2399.1	2325.8	2174.0	2061.5	2032.7	2024.9	2032.7
12.5°	2809.8	2770.5	2694.7	2511.5	2200.1	2150.4	2061.5	1996.1	1990.9	2003.9	2074.6
15°	2778.4	2741.8	2652.8	2365.0	2090.3	2053.6	1990.9	1967.3	1996.1	2087.6	2299.6
17.5°	2747.0	2705.1	2595.3	2221.1	2006.6	1980.4	1935.9	1983.0	2145.2	2268.2	2338.9
20°	2705.1	2655.4	2529.9	2116.4	1946.4	1922.8	1901.9	2113.8	2236.8	2281.2	2320.6
22.5°	2655.4	2603.1	2440.9	2043.2	1883.6	1865.3	1878.4	2187.1	2236.8	2268.2	2302.2
25°	2590.0	2545.6	2336.3	1985.6	1833.9	1813.0	1862.7	2179.2	2208.0	2215.8	2283.9
27.5°	2529.9	2472.3	2226.3	1933.3	1773.7	1765.9	1875.7	2145.2	2166.1	2174.0	2247.2
30°	2456.6	2370.3	2103.3	1878.4	1710.9	1708.3	1878.4	2103.3	2098.1	2119.0	2192.3
32.5°	2380.7	2218.5	1964.7	1810.3	1650.8	1648.1	1860.0	2040.6	2035.3	2064.1	2119.0
35°	2310.1	2100.7	1776.3	1731.9	1574.9	1577.5	1815.6	1967.3	1969.9	1996.1	2030.1
37.5°	2236.8	1998.7	1569.7	1645.5	1501.6	1501.6	1755.4	1899.3	1894.1	1901.9	1949.0
40°	2150.4	1839.1	1386.5	1533.0	1433.6	1425.8	1682.2	1826.0	1807.7	1805.1	1870.5
42.5°	2058.9	1663.8	1250.5	1383.9	1355.1	1344.7	1593.2	1737.1	1703.1	1710.9	1794.6
45°	1959.5	1616.8	1145.9	1169.4	1274.0	1266.2	1496.4	1635.1	1611.5	1632.4	1718.8
47.5°	1860.0	1522.6	1111.8	970.6	1187.7	1185.1	1389.2	1535.7	1522.6	1543.5	1635.1
50°	1724.0	1417.9	1109.2	831.9	1090.9	1101.4	1261.0	1438.9	1438.9	1457.2	1554.0
52.5°	1548.7	1289.7	1007.2	753.4	978.4	1009.8	1148.5	1355.1	1360.4	1378.7	1465.0
55°	1389.2	1156.3	933.9	693.3	845.0	913.0	1038.6	1268.8	1279.3	1297.6	1376.1
57.5°	1242.6	962.7	918.3	622.6	722.0	787.4	941.8	1185.1	1190.3	1206.0	1281.9
60°	1085.7	695.9	842.4	546.8	614.8	664.5	852.8	1085.7	1104.0	1114.5	1179.9
62.5°	907.8	504.9	763.9	494.4	562.5	572.9	779.6	991.5	1015.0	1022.9	1062.1
65°	646.2	423.8	648.8	450.0	507.5	510.1	701.1	894.7	915.6	928.7	957.5
67.5°	436.9	345.3	494.4	408.1	465.7	468.3	625.2	782.2	811.0	821.5	839.8
70°	303.5	230.2	366.3	363.6	418.6	423.8	544.1	680.2	706.3	714.2	724.7
72.5°	222.4	185.7	303.5	327.0	368.9	374.1	460.4	565.1	591.2	599.1	604.3
75°	170.0	196.2	245.9	285.2	313.9	316.5	376.7	460.4	478.7	484.0	486.6
77.5°	136.0	183.1	180.5	230.2	256.4	251.1	295.6	355.8	371.5	371.5	371.5
80°	102.0	143.9	136.0	164.8	188.4	183.1	211.9	253.8	259.0	264.2	261.6
82.5°	75.9	91.6	91.6	104.6	125.6	120.3	141.3	164.8	164.8	164.8	170.0
85°	47.1	52.3	41.9	54.9	70.6	68.0	78.5	88.9	91.6	91.6	86.3
87.5°	28.8	23.5	13.1	20.9	31.4	31.4	36.6	39.2	36.6	36.6	36.6
90°	21.0	14.6	8.1	14.6	21.0	22.7	35.7	53.0	61.7	54.8	41.1
92.5°	142.8	87.6	32.4	87.6	142.8	156.5	220.0	304.7	347.1	304.2	218.4
95°	279.7	178.8	77.9	178.8	279.7	305.0	541.4	856.9	1014.5	905.3	686.9
97.5°	312.7	223.7	134.6	223.7	312.7	334.9	729.4	1255.2	1518.1	1449.1	1311.0
100°	339.9	259.2	178.4	259.2	339.9	360.1	797.7	1381.2	1673.0	1678.1	1688.2
102.5°	366.3	291.1	215.7	291.1	366.3	385.2	829.0	1420.9	1716.9	1804.8	1980.7
105°	406.5	342.8	279.0	342.8	406.5	422.5	852.3	1425.4	1712.0	1909.1	2303.5
107.5°	462.8	403.3	343.8	403.3	462.8	477.7	856.7	1362.0	1614.7	1889.7	2439.7
110°	495.1	441.3	387.6	441.3	495.1	508.5	850.1	1305.8	1533.6	1841.0	2455.9



TEST NUMBER: P934726

CATALOG NUMBER: SQ4-FA-075U-075D-92765-1D-UNV-STD-W-12-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	533.0	481.8	430.6	481.8	533.0	545.8	850.5	1256.7	1459.8	1774.4	2403.8
115°	589.9	542.7	495.5	542.7	589.9	601.7	858.3	1200.4	1371.4	1674.5	2280.7
117.5°	645.3	602.5	559.6	602.5	645.3	656.0	874.2	1165.0	1310.5	1584.0	2131.2
120°	677.6	637.3	596.9	637.3	677.6	687.7	887.2	1153.2	1286.2	1536.1	2036.0
122.5°	714.8	674.1	633.4	674.1	714.8	725.0	905.9	1147.0	1267.5	1492.6	1942.8
125°	763.6	726.5	689.3	726.5	763.6	772.9	931.0	1141.8	1247.3	1438.5	1820.9
127.5°	809.8	772.3	734.8	772.3	809.8	819.1	956.2	1138.9	1230.3	1394.5	1722.8
130°	839.8	799.5	759.1	799.5	839.8	849.9	974.5	1140.6	1223.7	1369.9	1662.2
132.5°	864.9	824.6	784.2	824.6	864.9	875.0	989.3	1141.8	1218.1	1348.9	1610.6
135°	895.1	858.3	821.5	858.3	895.1	904.2	1005.6	1140.8	1208.4	1317.9	1537.0
137.5°	932.5	896.0	859.7	896.0	932.5	941.5	1030.0	1147.8	1206.7	1299.3	1484.6
140°	958.3	924.7	891.2	924.7	958.3	966.6	1044.8	1149.0	1201.1	1281.1	1441.1
142.5°	977.6	946.6	915.5	946.6	977.6	985.3	1057.3	1153.1	1201.1	1271.3	1411.9
145°	1006.9	979.9	952.9	979.9	1006.9	1013.7	1073.5	1153.1	1192.9	1250.4	1365.4
147.5°	1042.9	1016.5	990.2	1016.5	1042.9	1049.4	1097.3	1161.0	1192.9	1238.2	1328.6
150°	1062.1	1038.3	1014.5	1038.3	1062.1	1068.1	1109.7	1165.2	1192.9	1231.1	1307.5
152.5°	1075.7	1057.7	1039.6	1057.7	1075.7	1080.2	1117.8	1167.9	1192.9	1225.6	1290.8
155°	1103.6	1090.3	1077.0	1090.3	1103.6	1107.0	1135.6	1173.8	1192.9	1218.9	1270.8
157.5°	1130.5	1117.5	1104.5	1117.5	1130.5	1133.7	1153.4	1179.8	1192.9	1213.1	1253.5
160°	1143.4	1133.3	1123.2	1133.3	1143.4	1145.9	1161.6	1182.5	1192.9	1210.2	1244.8
162.5°	1156.9	1149.4	1141.8	1149.4	1156.9	1158.8	1170.2	1185.4	1192.9	1207.5	1236.7
165°	1175.8	1169.0	1162.2	1169.0	1175.8	1177.5	1182.7	1189.5	1192.9	1203.4	1224.2
167.5°	1187.3	1184.0	1180.7	1184.0	1187.3	1188.1	1192.4	1198.2	1201.1	1207.9	1221.5
170°	1199.5	1196.2	1192.9	1196.2	1199.5	1200.3	1200.5	1200.9	1201.1	1207.9	1221.5
172.5°	1200.9	1200.1	1199.4	1200.1	1200.9	1201.1	1201.1	1201.1	1201.1	1206.5	1217.3
175°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1205.9	1202.7	1201.1	1204.5	1211.3
177.5°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1206.5	1203.9	1202.7	1205.4	1210.8
180°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2668.5	2660.7	2671.1	2642.4	2671.1	2660.7	2668.5	2686.8	2671.1	2681.6	2692.1
5°	2341.5	2328.4	2286.5	2252.5	2286.5	2328.4	2341.5	2396.4	2422.6	2469.7	2532.5
7.5°	2092.9	2082.4	2072.0	2051.0	2072.0	2082.4	2092.9	2108.6	2134.7	2176.6	2223.7
10°	2037.9	2040.6	2056.3	2053.6	2056.3	2040.6	2037.9	2032.7	2024.9	2032.7	2061.5
12.5°	2179.2	2202.8	2289.1	2283.9	2289.1	2202.8	2179.2	2074.6	2003.9	1990.9	1996.1
15°	2341.5	2349.3	2367.7	2370.3	2367.7	2349.3	2341.5	2299.6	2087.6	1996.1	1967.3
17.5°	2357.2	2359.8	2372.9	2372.9	2372.9	2359.8	2357.2	2338.9	2268.2	2145.2	1983.0
20°	2344.1	2349.3	2375.5	2380.7	2375.5	2349.3	2344.1	2320.6	2281.2	2236.8	2113.8
22.5°	2338.9	2349.3	2370.3	2367.7	2370.3	2349.3	2338.9	2302.2	2268.2	2236.8	2187.1
25°	2312.7	2312.7	2315.3	2318.0	2315.3	2312.7	2312.7	2283.9	2215.8	2208.0	2179.2
27.5°	2257.7	2262.9	2278.6	2276.0	2278.6	2262.9	2257.7	2247.2	2174.0	2166.1	2145.2
30°	2208.0	2202.8	2189.7	2179.2	2189.7	2202.8	2208.0	2192.3	2119.0	2098.1	2103.3
32.5°	2124.3	2111.2	2098.1	2090.3	2098.1	2111.2	2124.3	2119.0	2064.1	2035.3	2040.6
35°	2024.9	2027.5	2024.9	2017.0	2024.9	2027.5	2024.9	2030.1	1996.1	1969.9	1967.3
37.5°	1954.2	1959.5	1956.8	1946.4	1956.8	1959.5	1954.2	1949.0	1901.9	1894.1	1899.3
40°	1881.0	1883.6	1881.0	1873.1	1881.0	1883.6	1881.0	1870.5	1805.1	1807.7	1826.0
42.5°	1810.3	1807.7	1799.9	1794.6	1799.9	1807.7	1810.3	1794.6	1710.9	1703.1	1737.1
45°	1729.2	1731.9	1716.2	1708.3	1716.2	1731.9	1729.2	1718.8	1632.4	1611.5	1635.1
47.5°	1648.1	1648.1	1635.1	1627.2	1635.1	1648.1	1648.1	1635.1	1543.5	1522.6	1535.7
50°	1561.8	1559.2	1540.9	1538.3	1540.9	1559.2	1561.8	1554.0	1457.2	1438.9	1438.9
52.5°	1462.4	1462.4	1465.0	1470.2	1465.0	1462.4	1462.4	1465.0	1378.7	1360.4	1355.1
55°	1376.1	1378.7	1397.0	1402.2	1397.0	1378.7	1376.1	1376.1	1297.6	1279.3	1268.8
57.5°	1287.1	1287.1	1300.2	1300.2	1300.2	1287.1	1287.1	1281.9	1206.0	1190.3	1185.1
60°	1185.1	1190.3	1200.8	1198.2	1200.8	1190.3	1185.1	1179.9	1114.5	1104.0	1085.7
62.5°	1077.8	1083.1	1085.7	1080.5	1085.7	1083.1	1077.8	1062.1	1022.9	1015.0	991.5
65°	965.3	970.6	973.2	968.0	973.2	970.6	965.3	957.5	928.7	915.6	894.7
67.5°	850.2	847.6	845.0	855.5	845.0	847.6	850.2	839.8	821.5	811.0	782.2
70°	732.5	732.5	729.9	735.1	729.9	732.5	732.5	724.7	714.2	706.3	680.2
72.5°	606.9	604.3	614.8	606.9	614.8	604.3	606.9	604.3	599.1	591.2	565.1
75°	484.0	489.2	484.0	491.8	484.0	489.2	484.0	486.6	484.0	478.7	460.4
77.5°	368.9	374.1	368.9	368.9	368.9	374.1	368.9	371.5	371.5	371.5	355.8
80°	261.6	259.0	259.0	256.4	259.0	259.0	261.6	261.6	264.2	259.0	253.8
82.5°	167.4	164.8	164.8	170.0	164.8	164.8	167.4	170.0	164.8	164.8	164.8
85°	91.6	94.2	88.9	88.9	88.9	94.2	91.6	86.3	91.6	91.6	88.9
87.5°	34.0	31.4	31.4	31.4	31.4	31.4	34.0	36.6	36.6	36.6	39.2
90°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	41.1	54.8	61.7	53.0
92.5°	154.1	148.0	123.5	99.0	123.5	148.0	154.1	218.4	304.2	347.1	304.7
95°	523.0	504.5	430.3	356.1	430.3	504.5	523.0	686.9	905.3	1014.5	856.9
97.5°	1207.5	1172.2	1030.9	889.6	1030.9	1172.2	1207.5	1311.0	1449.1	1518.1	1255.2
100°	1695.8	1653.6	1485.3	1317.0	1485.3	1653.6	1695.8	1688.2	1678.1	1673.0	1381.2
102.5°	2112.6	2076.6	1932.3	1788.2	1932.3	2076.6	2112.6	1980.7	1804.8	1716.9	1420.9
105°	2599.2	2579.8	2502.3	2424.8	2502.3	2579.8	2599.2	2303.5	1909.1	1712.0	1425.4
107.5°	2852.2	2856.9	2875.6	2894.4	2875.6	2856.9	2852.2	2439.7	1889.7	1614.7	1362.0
110°	2917.0	2937.2	3017.9	3098.7	3017.9	2937.2	2917.0	2455.9	1841.0	1533.6	1305.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2875.7	2906.7	3030.7	3154.7	3030.7	2906.7	2875.7	2403.8	1774.4	1459.8	1256.7
115°	2735.4	2778.4	2950.3	3122.2	2950.3	2778.4	2735.4	2280.7	1674.5	1371.4	1200.4
117.5°	2541.5	2589.2	2779.9	2970.6	2779.9	2589.2	2541.5	2131.2	1584.0	1310.5	1165.0
120°	2411.0	2457.3	2642.6	2827.8	2642.6	2457.3	2411.0	2036.0	1536.1	1286.2	1153.2
122.5°	2280.5	2326.2	2508.8	2691.6	2508.8	2326.2	2280.5	1942.8	1492.6	1267.5	1147.0
125°	2107.7	2149.8	2318.1	2486.4	2318.1	2149.8	2107.7	1820.9	1438.5	1247.3	1141.8
127.5°	1969.1	2004.5	2146.6	2288.6	2146.6	2004.5	1969.1	1722.8	1394.5	1230.3	1138.9
130°	1881.4	1914.2	2045.4	2176.7	2045.4	1914.2	1881.4	1662.2	1369.9	1223.7	1140.6
132.5°	1806.9	1836.2	1953.7	2071.3	1953.7	1836.2	1806.9	1610.6	1348.9	1218.1	1141.8
135°	1701.4	1726.7	1828.0	1929.3	1828.0	1726.7	1701.4	1537.0	1317.9	1208.4	1140.8
137.5°	1623.6	1644.3	1727.2	1810.1	1727.2	1644.3	1623.6	1484.6	1299.3	1206.7	1147.8
140°	1561.1	1580.5	1658.0	1735.4	1658.0	1580.5	1561.1	1441.1	1281.1	1201.1	1149.0
142.5°	1517.3	1534.0	1600.7	1667.3	1600.7	1534.0	1517.3	1411.9	1271.3	1201.1	1153.1
145°	1451.7	1464.3	1514.7	1565.1	1514.7	1464.3	1451.7	1365.4	1250.4	1192.9	1153.1
147.5°	1396.5	1406.9	1448.7	1490.6	1448.7	1406.9	1396.5	1328.6	1238.2	1192.9	1161.0
150°	1364.8	1373.3	1407.2	1441.1	1407.2	1373.3	1364.8	1307.5	1231.1	1192.9	1165.2
152.5°	1339.7	1346.1	1371.7	1397.3	1371.7	1346.1	1339.7	1290.8	1225.6	1192.9	1167.9
155°	1309.7	1314.0	1330.9	1347.8	1330.9	1314.0	1309.7	1270.8	1218.9	1192.9	1173.8
157.5°	1283.7	1286.7	1298.6	1310.5	1298.6	1286.7	1283.7	1253.5	1213.1	1192.9	1179.8
160°	1270.8	1272.6	1279.4	1286.2	1279.4	1272.6	1270.8	1244.8	1210.2	1192.9	1182.5
162.5°	1258.6	1260.3	1266.7	1273.3	1266.7	1260.3	1258.6	1236.7	1207.5	1192.9	1185.4
165°	1239.9	1241.7	1248.5	1255.4	1248.5	1241.7	1239.9	1224.2	1203.4	1192.9	1189.5
167.5°	1231.8	1232.5	1235.5	1238.4	1235.5	1232.5	1231.8	1221.5	1207.9	1201.1	1198.2
170°	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1231.8	1221.5	1207.9	1201.1	1200.9
172.5°	1225.4	1224.8	1222.2	1219.7	1222.2	1224.8	1225.4	1217.3	1206.5	1201.1	1201.1
175°	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1216.5	1211.3	1204.5	1201.1	1202.7
177.5°	1214.8	1214.1	1211.3	1208.4	1211.3	1214.1	1214.8	1210.8	1205.4	1202.7	1203.9
180°	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4	1208.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2765.3	2765.3	2765.3	2765.3	2765.3
2.5°	2731.3	2744.4	2752.2	2762.7	2788.9
5°	2626.7	2676.4	2692.1	2731.3	2778.4
7.5°	2396.4	2548.2	2590.0	2684.2	2757.5
10°	2174.0	2325.8	2399.1	2621.4	2731.3
12.5°	2061.5	2150.4	2200.1	2511.5	2694.7
15°	1990.9	2053.6	2090.3	2365.0	2652.8
17.5°	1935.9	1980.4	2006.6	2221.1	2595.3
20°	1901.9	1922.8	1946.4	2116.4	2529.9
22.5°	1878.4	1865.3	1883.6	2043.2	2440.9
25°	1862.7	1813.0	1833.9	1985.6	2336.3
27.5°	1875.7	1765.9	1773.7	1933.3	2226.3
30°	1878.4	1708.3	1710.9	1878.4	2103.3
32.5°	1860.0	1648.1	1650.8	1810.3	1964.7
35°	1815.6	1577.5	1574.9	1731.9	1776.3
37.5°	1755.4	1501.6	1501.6	1645.5	1569.7
40°	1682.2	1425.8	1433.6	1533.0	1386.5
42.5°	1593.2	1344.7	1355.1	1383.9	1250.5
45°	1496.4	1266.2	1274.0	1169.4	1145.9
47.5°	1389.2	1185.1	1187.7	970.6	1111.8
50°	1261.0	1101.4	1090.9	831.9	1109.2
52.5°	1148.5	1009.8	978.4	753.4	1007.2
55°	1038.6	913.0	845.0	693.3	933.9
57.5°	941.8	787.4	722.0	622.6	918.3
60°	852.8	664.5	614.8	546.8	842.4
62.5°	779.6	572.9	562.5	494.4	763.9
65°	701.1	510.1	507.5	450.0	648.8
67.5°	625.2	468.3	465.7	408.1	494.4
70°	544.1	423.8	418.6	363.6	366.3
72.5°	460.4	374.1	368.9	327.0	303.5
75°	376.7	316.5	313.9	285.2	245.9
77.5°	295.6	251.1	256.4	230.2	180.5
80°	211.9	183.1	188.4	164.8	136.0
82.5°	141.3	120.3	125.6	104.6	91.6
85°	78.5	68.0	70.6	54.9	41.9
87.5°	36.6	31.4	31.4	20.9	13.1
90°	35.7	22.7	21.0	14.6	8.1
92.5°	220.0	156.5	142.8	87.6	32.4
95°	541.4	305.0	279.7	178.8	77.9
97.5°	729.4	334.9	312.7	223.7	134.6
100°	797.7	360.1	339.9	259.2	178.4
102.5°	829.0	385.2	366.3	291.1	215.7
105°	852.3	422.5	406.5	342.8	279.0
107.5°	856.7	477.7	462.8	403.3	343.8
110°	850.1	508.5	495.1	441.3	387.6



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	850.5	545.8	533.0	481.8	430.6
115°	858.3	601.7	589.9	542.7	495.5
117.5°	874.2	656.0	645.3	602.5	559.6
120°	887.2	687.7	677.6	637.3	596.9
122.5°	905.9	725.0	714.8	674.1	633.4
125°	931.0	772.9	763.6	726.5	689.3
127.5°	956.2	819.1	809.8	772.3	734.8
130°	974.5	849.9	839.8	799.5	759.1
132.5°	989.3	875.0	864.9	824.6	784.2
135°	1005.6	904.2	895.1	858.3	821.5
137.5°	1030.0	941.5	932.5	896.0	859.7
140°	1044.8	966.6	958.3	924.7	891.2
142.5°	1057.3	985.3	977.6	946.6	915.5
145°	1073.5	1013.7	1006.9	979.9	952.9
147.5°	1097.3	1049.4	1042.9	1016.5	990.2
150°	1109.7	1068.1	1062.1	1038.3	1014.5
152.5°	1117.8	1080.2	1075.7	1057.7	1039.6
155°	1135.6	1107.0	1103.6	1090.3	1077.0
157.5°	1153.4	1133.7	1130.5	1117.5	1104.5
160°	1161.6	1145.9	1143.4	1133.3	1123.2
162.5°	1170.2	1158.8	1156.9	1149.4	1141.8
165°	1182.7	1177.5	1175.8	1169.0	1162.2
167.5°	1192.4	1188.1	1187.3	1184.0	1180.7
170°	1200.5	1200.3	1199.5	1196.2	1192.9
172.5°	1201.1	1201.1	1200.9	1200.1	1199.4
175°	1205.9	1208.4	1208.4	1208.4	1208.4
177.5°	1206.5	1208.4	1208.4	1208.4	1208.4
180°	1208.4	1208.4	1208.4	1208.4	1208.4



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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	12.06	12.90	13.04	13.89	15.20	14.91	15.76	15.89	16.74	18.05
	3H	12.54	13.29	13.52	14.29	15.61	16.26	17.02	17.25	18.02	19.34
	4H	12.73	13.44	13.73	14.44	15.78	16.71	17.43	17.71	18.43	19.76
	6H	12.85	13.50	13.86	14.51	15.85	17.00	17.66	18.01	18.67	20.01
	8H	12.85	13.47	13.86	14.50	15.84	17.08	17.70	18.09	18.73	20.07
	12H	12.82	13.41	13.84	14.43	15.79	17.12	17.71	18.14	18.73	20.10
4H	2H	13.10	13.81	14.10	14.81	16.14	15.32	16.03	16.33	17.04	18.37
	3H	14.12	14.72	15.14	15.75	17.09	16.83	17.42	17.85	18.46	19.80
	4H	14.40	14.94	15.42	15.97	17.33	17.36	17.91	18.38	18.93	20.30
	6H	14.52	14.99	15.56	16.04	17.40	17.73	18.20	18.77	19.25	20.61
	8H	14.53	14.96	15.56	16.00	17.38	17.84	18.28	18.88	19.32	20.70
	12H	14.49	14.89	15.55	15.94	17.33	17.90	18.30	18.95	19.35	20.73
8H	4H	14.85	15.29	15.89	16.33	17.71	17.48	17.92	18.52	18.96	20.34
	6H	15.11	15.48	16.17	16.56	17.93	17.93	18.29	18.98	19.37	20.75
	8H	15.16	15.47	16.22	16.54	17.94	18.08	18.40	19.15	19.46	20.86
	12H	15.14	15.42	16.21	16.48	17.92	18.18	18.46	19.25	19.52	20.96
12H	4H	14.86	15.25	15.91	16.31	17.69	17.45	17.84	18.50	18.90	20.28
	6H	15.18	15.49	16.24	16.56	17.96	17.92	18.24	18.99	19.31	20.70
	8H	15.24	15.52	16.31	16.58	18.02	18.09	18.37	19.16	19.43	20.86