

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: P935276

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935276
REPORT IS A COMBINATION OF REPORTS P933748 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-100D-940-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

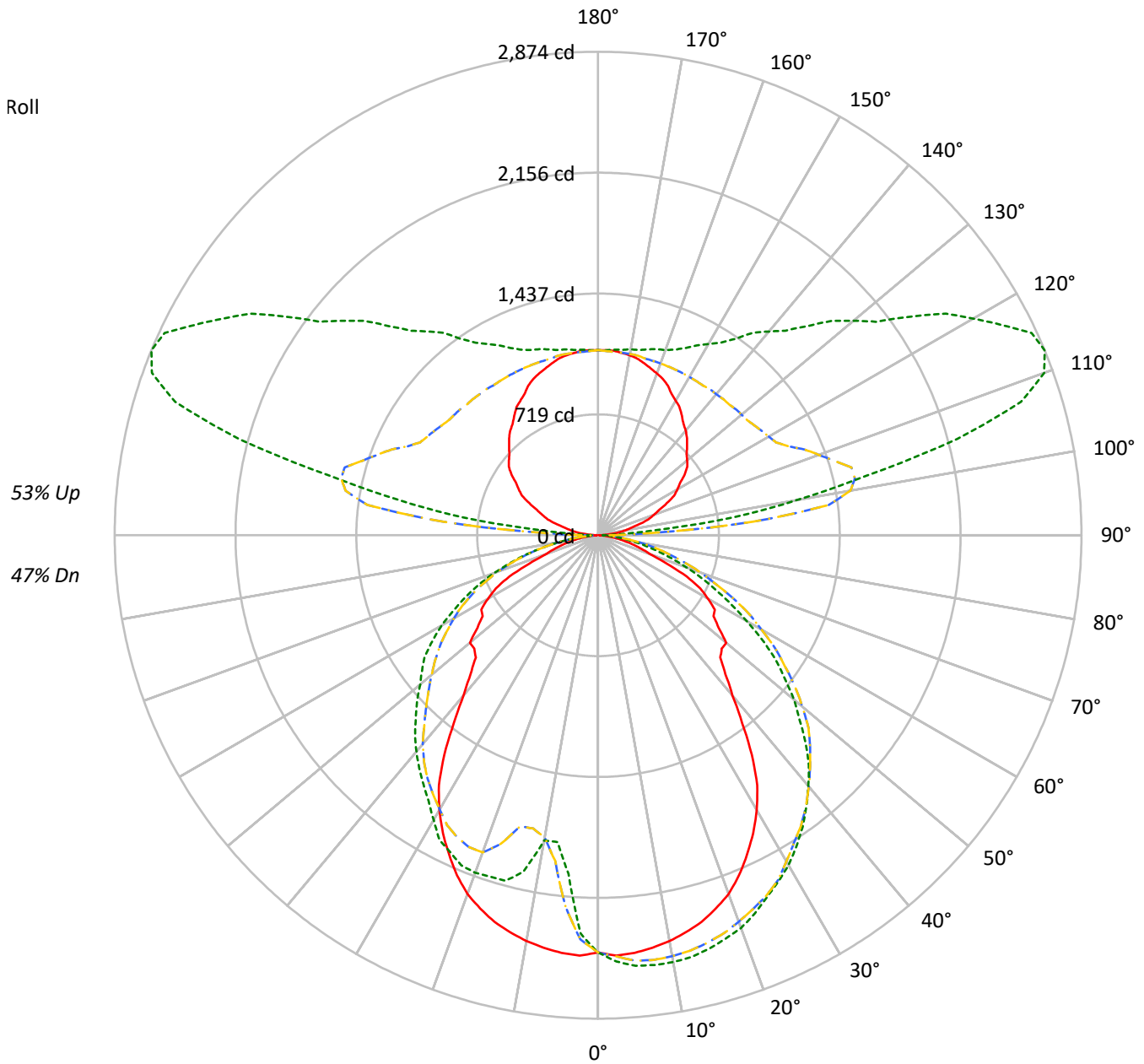
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13570.4 lumens
Efficiency: N/A
Efficacy: 117.0 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): 116
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

TEST NUMBER: P935276
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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				
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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	47	47	47	47
1	97	93	89	86	89	86	82	79	72	70	67	59	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	42	40	38	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	28	28	28	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24	24	24	24
5	68	56	48	42	62	52	45	39	44	39	34	37	33	29	30	27	24	21	21	21	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	19	19	19	19
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16	16	16	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	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
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11508	11508	11508	11508
5°	11593	11616	11593	9134
10°	11516	11442	11516	8181
15°	11391	11195	11391	9348
20°	11153	10901	11153	9368
25°	10665	10473	10665	9169
30°	10035	10117	10035	8733
35°	8945	9667	8945	8254
40°	7454	9138	7454	7892
45°	6661	8518	6661	7476
50°	7076	7778	7076	7059
55°	6657	6982	6657	6817
60°	6863	5930	6863	6243
65°	6221	4902	6221	5479
70°	4308	3907	4308	4593
75°	3778	2888	3778	3458
80°	3044	1909	3044	2079
85°	1751	1012	1751	859

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10208 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.9	1.6
10°-20°	635.7	4.7
20°-30°	982.6	7.2
30°-40°	1173.1	8.6
40°-50°	1179.9	8.7
50°-60°	1026.7	7.6
60°-70°	727.9	5.4
70°-80°	385.1	2.8
80°-90°	100.1	0.7
90°-100°	536.6	4.0
100°-110°	1410.6	10.4
110°-120°	1462.6	10.8
120°-130°	1173.2	8.6
130°-140°	920.5	6.8
140°-150°	706.5	5.2
150°-160°	508.8	3.7
160°-170°	311.3	2.3
170°-180°	105.2	0.8
0°-30°	1842.2	13.6
0°-40°	3015.3	22.2
0°-60°	5221.9	38.5
0°-90°	6435.1	47.4
90°-120°	3409.7	25.1
90°-150°	6210.0	45.8
90°-180°	7135.0	52.6
0°-180°	13570.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2480	2480	2480	2480	2480	
5°	2492	2569	2492	2020	2492	236
15°	2379	2546	2379	2126	2379	669
25°	2095	2375	2095	2079	2095	962
35°	1593	2119	1593	1809	1593	986
45°	1028	1746	1028	1532	1028	823
55°	838	1288	838	1258	838	770
65°	582	777	582	868	582	556
75°	221	368	221	441	221	232
85°	38	94	38	80	38	51
90°	7	28	7	28	7	8
95°	71	324	71	324	71	79
105°	254	2209	254	2209	254	269
115°	451	2844	451	2844	451	446
125°	628	2265	628	2265	628	557
135°	748	1757	748	1757	748	579
145°	868	1426	868	1426	868	544
155°	981	1228	981	1228	981	451
165°	1059	1144	1059	1144	1059	299
175°	1101	1108	1101	1108	1101	104
180°	1101	1101	1101	1101	1101	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3
2.5°	2501.4	2501.4	2515.4	2520.1	2520.1	2513.1	2506.1	2513.1	2534.3	2541.3	2539.0
5°	2492.0	2510.7	2536.6	2541.3	2546.0	2543.6	2539.0	2543.6	2567.1	2571.8	2574.1
7.5°	2473.3	2508.4	2541.3	2548.3	2555.4	2548.3	2546.0	2550.7	2574.1	2578.8	2578.8
10°	2449.7	2499.0	2536.6	2541.3	2548.3	2541.3	2541.3	2550.7	2574.1	2578.8	2581.1
12.5°	2416.9	2485.0	2520.1	2524.9	2534.3	2531.9	2529.6	2539.0	2562.4	2567.1	2567.1
15°	2379.4	2459.1	2492.0	2496.7	2513.1	2508.4	2508.4	2517.8	2543.6	2550.7	2548.3
17.5°	2327.7	2426.3	2463.8	2470.9	2482.6	2480.3	2482.6	2492.0	2515.4	2520.1	2522.5
20°	2269.1	2381.7	2426.3	2433.3	2445.1	2445.1	2445.1	2456.8	2480.3	2489.7	2489.7
22.5°	2189.3	2334.8	2381.7	2386.4	2400.4	2400.4	2405.1	2421.6	2442.7	2445.1	2445.1
25°	2095.4	2283.1	2323.0	2337.1	2351.2	2358.3	2365.3	2374.7	2381.7	2379.4	2381.7
27.5°	1996.8	2217.4	2269.1	2278.4	2297.3	2304.3	2313.7	2316.0	2318.4	2325.4	2320.7
30°	1886.6	2126.0	2203.4	2212.8	2243.3	2248.0	2238.6	2243.3	2255.0	2259.7	2264.4
32.5°	1762.2	1989.8	2135.4	2156.4	2184.6	2170.5	2168.1	2175.2	2194.0	2194.0	2198.7
35°	1593.2	1884.2	2072.0	2090.7	2111.8	2095.4	2104.8	2107.1	2118.9	2126.0	2123.6
37.5°	1407.9	1792.7	2006.3	2020.4	2036.8	2015.7	2029.7	2036.8	2046.1	2041.5	2041.5
40°	1243.6	1649.6	1928.8	1938.2	1952.3	1935.8	1950.0	1954.7	1959.4	1954.7	1952.3
42.5°	1121.6	1492.4	1846.7	1858.4	1849.1	1860.8	1865.5	1874.8	1867.8	1858.4	1858.4
45°	1027.8	1450.1	1757.5	1771.6	1757.5	1776.4	1783.4	1783.4	1762.2	1757.5	1755.2
47.5°	997.3	1365.7	1668.4	1668.4	1661.4	1684.8	1696.5	1680.1	1659.0	1651.9	1651.9
50°	994.9	1271.8	1546.4	1537.0	1569.8	1598.0	1586.2	1569.8	1553.4	1527.5	1527.5
52.5°	903.5	1156.8	1389.1	1424.4	1475.9	1492.4	1473.6	1457.2	1429.1	1417.3	1407.9
55°	837.7	1037.2	1246.0	1316.4	1370.4	1391.5	1356.2	1339.9	1297.6	1290.6	1285.9
57.5°	823.6	863.5	1114.6	1203.8	1269.5	1267.1	1246.0	1215.5	1180.3	1173.2	1170.9
60°	755.6	624.2	973.8	1079.4	1147.5	1140.4	1121.6	1093.5	1060.6	1055.9	1051.2
62.5°	685.2	452.9	814.2	933.9	1030.1	1027.8	1011.3	969.1	945.6	933.9	924.5
65°	581.9	380.2	579.6	776.7	915.2	919.8	884.6	854.2	828.3	814.2	811.9
67.5°	443.5	309.7	391.9	647.6	804.9	800.2	755.6	741.5	708.6	701.6	687.5
70°	328.5	206.5	272.2	525.6	696.9	685.2	650.0	633.6	603.0	586.6	577.2
72.5°	272.2	166.6	199.4	408.3	586.6	572.6	542.0	523.3	497.5	483.3	474.0
75°	220.6	176.0	152.6	302.7	476.3	467.0	438.8	420.0	398.9	380.2	382.5
77.5°	161.9	164.3	122.0	222.9	377.8	363.7	347.3	323.9	314.4	295.7	295.7
80°	122.0	129.0	91.6	152.6	272.2	272.2	258.1	241.7	225.3	215.9	215.9
82.5°	82.1	82.1	68.0	96.2	185.4	178.3	169.0	164.3	154.9	150.2	150.2
85°	37.6	46.9	42.3	58.7	100.9	105.6	105.6	100.9	98.6	93.9	96.2
87.5°	11.7	21.1	25.8	32.9	51.6	54.0	56.3	56.3	56.3	58.7	58.7
90°	7.4	13.3	19.2	20.7	32.5	48.2	56.1	49.9	37.4	28.1	28.1
92.5°	29.6	79.8	130.1	142.6	200.4	277.6	316.1	277.1	199.0	140.4	134.8
95°	71.0	162.9	254.8	277.8	493.2	780.5	924.1	824.7	625.7	476.5	459.6
97.5°	122.6	203.7	284.9	305.1	664.4	1143.4	1382.9	1320.0	1194.3	1100.0	1067.8
100°	162.5	236.0	309.6	328.0	726.7	1258.2	1524.0	1528.6	1537.7	1544.7	1506.3
102.5°	196.5	265.1	333.7	350.8	755.2	1294.3	1563.9	1644.0	1804.2	1924.4	1891.5
105°	254.1	312.2	370.3	384.9	776.4	1298.4	1559.4	1739.0	2098.2	2367.6	2349.9
107.5°	313.2	367.4	421.5	435.1	780.4	1240.6	1470.8	1721.3	2222.3	2598.0	2602.3
110°	353.1	402.0	450.9	463.2	774.4	1189.4	1396.9	1677.0	2237.0	2657.2	2675.5



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3
2.5°	2543.6	2536.6	2543.6	2539.0	2541.3	2534.3	2513.1	2506.1	2513.1	2520.1	2520.1
5°	2574.1	2569.4	2574.1	2574.1	2571.8	2567.1	2543.6	2539.0	2543.6	2546.0	2541.3
7.5°	2583.5	2576.4	2583.5	2578.8	2578.8	2574.1	2550.7	2546.0	2548.3	2555.4	2548.3
10°	2583.5	2576.4	2583.5	2581.1	2578.8	2574.1	2550.7	2541.3	2541.3	2548.3	2541.3
12.5°	2571.8	2567.1	2571.8	2567.1	2567.1	2562.4	2539.0	2529.6	2531.9	2534.3	2524.9
15°	2553.0	2546.0	2553.0	2548.3	2550.7	2543.6	2517.8	2508.4	2508.4	2513.1	2496.7
17.5°	2524.9	2515.4	2524.9	2522.5	2520.1	2515.4	2492.0	2482.6	2480.3	2482.6	2470.9
20°	2492.0	2485.0	2492.0	2489.7	2489.7	2480.3	2456.8	2445.1	2445.1	2445.1	2433.3
22.5°	2440.4	2433.3	2440.4	2445.1	2445.1	2442.7	2421.6	2405.1	2400.4	2400.4	2386.4
25°	2381.7	2374.7	2381.7	2381.7	2379.4	2381.7	2374.7	2365.3	2358.3	2351.2	2337.1
27.5°	2325.4	2320.7	2325.4	2320.7	2325.4	2318.4	2316.0	2313.7	2304.3	2297.3	2278.4
30°	2269.1	2264.4	2269.1	2264.4	2259.7	2255.0	2243.3	2238.6	2248.0	2243.3	2212.8
32.5°	2198.7	2194.0	2198.7	2198.7	2194.0	2194.0	2175.2	2168.1	2170.5	2184.6	2156.4
35°	2126.0	2118.9	2126.0	2123.6	2126.0	2118.9	2107.1	2104.8	2095.4	2111.8	2090.7
37.5°	2041.5	2034.4	2041.5	2041.5	2041.5	2046.1	2036.8	2029.7	2015.7	2036.8	2020.4
40°	1954.7	1945.3	1954.7	1952.3	1954.7	1959.4	1954.7	1950.0	1935.8	1952.3	1938.2
42.5°	1856.1	1853.8	1856.1	1858.4	1858.4	1867.8	1874.8	1865.5	1860.8	1849.1	1858.4
45°	1750.5	1745.8	1750.5	1755.2	1757.5	1762.2	1783.4	1783.4	1776.4	1757.5	1771.6
47.5°	1637.8	1626.1	1637.8	1651.9	1651.9	1659.0	1680.1	1696.5	1684.8	1661.4	1668.4
50°	1518.2	1520.5	1518.2	1527.5	1527.5	1553.4	1569.8	1586.2	1598.0	1569.8	1537.0
52.5°	1400.9	1398.5	1400.9	1407.9	1417.3	1429.1	1457.2	1473.6	1492.4	1475.9	1424.4
55°	1283.5	1288.2	1283.5	1285.9	1290.6	1297.6	1339.9	1356.2	1391.5	1370.4	1316.4
57.5°	1166.2	1159.2	1166.2	1170.9	1173.2	1180.3	1215.5	1246.0	1267.1	1269.5	1203.8
60°	1030.1	1020.8	1030.1	1051.2	1055.9	1060.6	1093.5	1121.6	1140.4	1147.5	1079.4
62.5°	910.5	894.0	910.5	924.5	933.9	945.6	969.1	1011.3	1027.8	1030.1	933.9
65°	783.7	776.7	783.7	811.9	814.2	828.3	854.2	884.6	919.8	915.2	776.7
67.5°	668.8	668.8	668.8	687.5	701.6	708.6	741.5	755.6	800.2	804.9	647.6
70°	563.2	560.9	563.2	577.2	586.6	603.0	633.6	650.0	685.2	696.9	525.6
72.5°	462.3	459.9	462.3	474.0	483.3	497.5	523.3	542.0	572.6	586.6	408.3
75°	373.1	368.4	373.1	382.5	380.2	398.9	420.0	438.8	467.0	476.3	302.7
77.5°	286.3	286.3	286.3	295.7	295.7	314.4	323.9	347.3	363.7	377.8	222.9
80°	213.6	211.2	213.6	215.9	215.9	225.3	241.7	258.1	272.2	272.2	152.6
82.5°	150.2	145.5	150.2	150.2	150.2	154.9	164.3	169.0	178.3	185.4	96.2
85°	93.9	93.9	93.9	96.2	93.9	98.6	100.9	105.6	105.6	100.9	58.7
87.5°	61.0	58.7	61.0	58.7	58.7	56.3	56.3	56.3	54.0	51.6	32.9
90°	28.1	28.1	28.1	28.1	28.1	37.4	49.9	56.1	48.2	32.5	20.7
92.5°	112.5	90.1	112.5	134.8	140.4	199.0	277.1	316.1	277.6	200.4	142.6
95°	392.0	324.3	392.0	459.6	476.5	625.7	824.7	924.1	780.5	493.2	277.8
97.5°	939.1	810.4	939.1	1067.8	1100.0	1194.3	1320.0	1382.9	1143.4	664.4	305.1
100°	1353.0	1199.7	1353.0	1506.3	1544.7	1537.7	1528.6	1524.0	1258.2	726.7	328.0
102.5°	1760.2	1628.9	1760.2	1891.5	1924.4	1804.2	1644.0	1563.9	1294.3	755.2	350.8
105°	2279.3	2208.7	2279.3	2349.9	2367.6	2098.2	1739.0	1559.4	1298.4	776.4	384.9
107.5°	2619.4	2636.5	2619.4	2602.3	2598.0	2222.3	1721.3	1470.8	1240.6	780.4	435.1
110°	2749.1	2822.6	2749.1	2675.5	2657.2	2237.0	1677.0	1396.9	1189.4	774.4	463.2



TEST NUMBER: P935276

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P935276

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

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3
2.5°	2515.4	2501.4	2501.4	2478.0	2468.6	2461.5	2449.7	2414.6	2405.1	2395.8	2409.9
5°	2536.6	2510.7	2492.0	2449.7	2414.6	2400.4	2355.9	2271.4	2215.1	2172.8	2149.4
7.5°	2541.3	2508.4	2473.3	2407.5	2323.0	2285.5	2149.4	1994.5	1952.3	1914.8	1891.3
10°	2536.6	2499.0	2449.7	2351.2	2151.7	2086.1	1950.0	1849.1	1823.2	1816.2	1823.2
12.5°	2520.1	2485.0	2416.9	2252.7	1973.4	1928.8	1849.1	1790.4	1785.7	1797.4	1860.8
15°	2492.0	2459.1	2379.4	2121.3	1874.8	1842.0	1785.7	1764.5	1790.4	1872.5	2062.6
17.5°	2463.8	2426.3	2327.7	1992.2	1799.8	1776.4	1736.4	1778.7	1924.1	2034.4	2097.8
20°	2426.3	2381.7	2269.1	1898.4	1745.8	1724.7	1705.9	1896.0	2006.3	2046.1	2081.4
22.5°	2381.7	2334.8	2189.3	1832.7	1689.5	1673.1	1684.8	1961.7	2006.3	2034.4	2065.0
25°	2323.0	2283.1	2095.4	1781.0	1644.9	1626.1	1670.7	1954.7	1980.4	1987.5	2048.5
27.5°	2269.1	2217.4	1996.8	1734.1	1590.9	1583.9	1682.5	1924.1	1942.9	1950.0	2015.7
30°	2203.4	2126.0	1886.6	1684.8	1534.6	1532.2	1684.8	1886.6	1881.9	1900.7	1966.4
32.5°	2135.4	1989.8	1762.2	1623.8	1480.7	1478.3	1668.4	1830.3	1825.6	1851.4	1900.7
35°	2072.0	1884.2	1593.2	1553.4	1412.6	1414.9	1628.5	1764.5	1766.9	1790.4	1820.9
37.5°	2006.3	1792.7	1407.9	1475.9	1346.9	1346.9	1574.5	1703.5	1698.9	1705.9	1748.1
40°	1928.8	1649.6	1243.6	1375.1	1285.9	1278.8	1508.8	1637.8	1621.4	1619.1	1677.8
42.5°	1846.7	1492.4	1121.6	1241.3	1215.5	1206.1	1429.1	1558.1	1527.5	1534.6	1609.7
45°	1757.5	1450.1	1027.8	1048.9	1142.8	1135.8	1342.2	1466.5	1445.5	1464.2	1541.7
47.5°	1668.4	1365.7	997.3	870.6	1065.3	1062.9	1246.0	1377.4	1365.7	1384.5	1466.5
50°	1546.4	1271.8	994.9	746.2	978.5	987.9	1131.0	1290.6	1290.6	1307.0	1393.8
52.5°	1389.1	1156.8	903.5	675.8	877.6	905.8	1030.1	1215.5	1220.2	1236.6	1314.1
55°	1246.0	1037.2	837.7	621.9	757.9	818.9	931.6	1138.1	1147.5	1163.9	1234.2
57.5°	1114.6	863.5	823.6	558.5	647.6	706.3	844.8	1062.9	1067.6	1081.8	1149.8
60°	973.8	624.2	755.6	490.4	551.4	596.0	764.9	973.8	990.2	999.6	1058.3
62.5°	814.2	452.9	685.2	443.5	504.5	513.9	699.3	889.3	910.5	917.5	952.6
65°	579.6	380.2	581.9	403.6	455.2	457.6	628.9	802.5	821.3	833.0	858.8
67.5°	391.9	309.7	443.5	366.0	417.7	420.0	560.9	701.6	727.4	736.8	753.2
70°	272.2	206.5	328.5	326.2	375.4	380.2	488.0	610.1	633.6	640.6	650.0
72.5°	199.4	166.6	272.2	293.3	330.9	335.6	413.0	506.9	530.3	537.3	542.0
75°	152.6	176.0	220.6	255.7	281.6	283.9	337.9	413.0	429.4	434.1	436.5
77.5°	122.0	164.3	161.9	206.5	230.0	225.3	265.2	319.1	333.2	333.2	333.2
80°	91.6	129.0	122.0	147.9	169.0	164.3	190.0	227.6	232.3	237.0	234.6
82.5°	68.0	82.1	82.1	93.9	112.6	108.0	126.7	147.9	147.9	147.9	152.6
85°	42.3	46.9	37.6	49.3	63.3	61.0	70.4	79.7	82.1	82.1	77.4
87.5°	25.8	21.1	11.7	18.7	28.1	28.1	32.9	35.2	32.9	32.9	32.9
90°	19.2	13.3	7.4	13.3	19.2	20.7	32.5	48.2	56.1	49.9	37.4
92.5°	130.1	79.8	29.6	79.8	130.1	142.6	200.4	277.6	316.1	277.1	199.0
95°	254.8	162.9	71.0	162.9	254.8	277.8	493.2	780.5	924.1	824.7	625.7
97.5°	284.9	203.7	122.6	203.7	284.9	305.1	664.4	1143.4	1382.9	1320.0	1194.3
100°	309.6	236.0	162.5	236.0	309.6	328.0	726.7	1258.2	1524.0	1528.6	1537.7
102.5°	333.7	265.1	196.5	265.1	333.7	350.8	755.2	1294.3	1563.9	1644.0	1804.2
105°	370.3	312.2	254.1	312.2	370.3	384.9	776.4	1298.4	1559.4	1739.0	2098.2
107.5°	421.5	367.4	313.2	367.4	421.5	435.1	780.4	1240.6	1470.8	1721.3	2222.3
110°	450.9	402.0	353.1	402.0	450.9	463.2	774.4	1189.4	1396.9	1677.0	2237.0



TEST NUMBER: P935276

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P935276

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3	2480.3
2.5°	2393.4	2386.4	2395.8	2370.0	2395.8	2386.4	2393.4	2409.9	2395.8	2405.1	2414.6
5°	2100.1	2088.4	2050.8	2020.4	2050.8	2088.4	2100.1	2149.4	2172.8	2215.1	2271.4
7.5°	1877.2	1867.8	1858.4	1839.7	1858.4	1867.8	1877.2	1891.3	1914.8	1952.3	1994.5
10°	1827.9	1830.3	1844.4	1842.0	1844.4	1830.3	1827.9	1823.2	1816.2	1823.2	1849.1
12.5°	1954.7	1975.8	2053.2	2048.5	2053.2	1975.8	1954.7	1860.8	1797.4	1785.7	1790.4
15°	2100.1	2107.1	2123.6	2126.0	2123.6	2107.1	2100.1	2062.6	1872.5	1790.4	1764.5
17.5°	2114.2	2116.5	2128.3	2128.3	2128.3	2116.5	2114.2	2097.8	2034.4	1924.1	1778.7
20°	2102.5	2107.1	2130.7	2135.4	2130.7	2107.1	2102.5	2081.4	2046.1	2006.3	1896.0
22.5°	2097.8	2107.1	2126.0	2123.6	2126.0	2107.1	2097.8	2065.0	2034.4	2006.3	1961.7
25°	2074.3	2074.3	2076.7	2079.0	2076.7	2074.3	2074.3	2048.5	1987.5	1980.4	1954.7
27.5°	2025.1	2029.7	2043.8	2041.5	2043.8	2029.7	2025.1	2015.7	1950.0	1942.9	1924.1
30°	1980.4	1975.8	1964.0	1954.7	1964.0	1975.8	1980.4	1966.4	1900.7	1881.9	1886.6
32.5°	1905.4	1893.7	1881.9	1874.8	1881.9	1893.7	1905.4	1900.7	1851.4	1825.6	1830.3
35°	1816.2	1818.5	1816.2	1809.1	1816.2	1818.5	1816.2	1820.9	1790.4	1766.9	1764.5
37.5°	1752.8	1757.5	1755.2	1745.8	1755.2	1757.5	1752.8	1748.1	1705.9	1698.9	1703.5
40°	1687.1	1689.5	1687.1	1680.1	1687.1	1689.5	1687.1	1677.8	1619.1	1621.4	1637.8
42.5°	1623.8	1621.4	1614.4	1609.7	1614.4	1621.4	1623.8	1609.7	1534.6	1527.5	1558.1
45°	1551.1	1553.4	1539.3	1532.2	1539.3	1553.4	1551.1	1541.7	1464.2	1445.5	1466.5
47.5°	1478.3	1478.3	1466.5	1459.5	1466.5	1478.3	1478.3	1466.5	1384.5	1365.7	1377.4
50°	1400.9	1398.5	1382.1	1379.8	1382.1	1398.5	1400.9	1393.8	1307.0	1290.6	1290.6
52.5°	1311.7	1311.7	1314.1	1318.8	1314.1	1311.7	1311.7	1314.1	1236.6	1220.2	1215.5
55°	1234.2	1236.6	1253.1	1257.8	1253.1	1236.6	1234.2	1234.2	1163.9	1147.5	1138.1
57.5°	1154.5	1154.5	1166.2	1166.2	1166.2	1154.5	1154.5	1149.8	1081.8	1067.6	1062.9
60°	1062.9	1067.6	1077.1	1074.7	1077.1	1067.6	1062.9	1058.3	999.6	990.2	973.8
62.5°	966.8	971.5	973.8	969.1	973.8	971.5	966.8	952.6	917.5	910.5	889.3
65°	865.9	870.6	872.9	868.2	872.9	870.6	865.9	858.8	833.0	821.3	802.5
67.5°	762.6	760.3	757.9	767.3	757.9	760.3	762.6	753.2	736.8	727.4	701.6
70°	657.0	657.0	654.6	659.3	654.6	657.0	657.0	650.0	640.6	633.6	610.1
72.5°	544.4	542.0	551.4	544.4	551.4	542.0	544.4	542.0	537.3	530.3	506.9
75°	434.1	438.8	434.1	441.2	434.1	438.8	434.1	436.5	434.1	429.4	413.0
77.5°	330.9	335.6	330.9	330.9	330.9	335.6	330.9	333.2	333.2	333.2	319.1
80°	234.6	232.3	232.3	230.0	232.3	232.3	234.6	234.6	237.0	232.3	227.6
82.5°	150.2	147.9	147.9	152.6	147.9	147.9	150.2	152.6	147.9	147.9	147.9
85°	82.1	84.4	79.7	79.7	79.7	84.4	82.1	77.4	82.1	82.1	79.7
87.5°	30.5	28.1	28.1	28.1	28.1	28.1	30.5	32.9	32.9	32.9	35.2
90°	28.1	28.1	28.1	28.1	28.1	28.1	28.1	37.4	49.9	56.1	48.2
92.5°	140.4	134.8	112.5	90.1	112.5	134.8	140.4	199.0	277.1	316.1	277.6
95°	476.5	459.6	392.0	324.3	392.0	459.6	476.5	625.7	824.7	924.1	780.5
97.5°	1100.0	1067.8	939.1	810.4	939.1	1067.8	1100.0	1194.3	1320.0	1382.9	1143.4
100°	1544.7	1506.3	1353.0	1199.7	1353.0	1506.3	1544.7	1537.7	1528.6	1524.0	1258.2
102.5°	1924.4	1891.5	1760.2	1628.9	1760.2	1891.5	1924.4	1804.2	1644.0	1563.9	1294.3
105°	2367.6	2349.9	2279.3	2208.7	2279.3	2349.9	2367.6	2098.2	1739.0	1559.4	1298.4
107.5°	2598.0	2602.3	2619.4	2636.5	2619.4	2602.3	2598.0	2222.3	1721.3	1470.8	1240.6
110°	2657.2	2675.5	2749.1	2822.6	2749.1	2675.5	2657.2	2237.0	1677.0	1396.9	1189.4



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2480.3	2480.3	2480.3	2480.3	2480.3
2.5°	2449.7	2461.5	2468.6	2478.0	2501.4
5°	2355.9	2400.4	2414.6	2449.7	2492.0
7.5°	2149.4	2285.5	2323.0	2407.5	2473.3
10°	1950.0	2086.1	2151.7	2351.2	2449.7
12.5°	1849.1	1928.8	1973.4	2252.7	2416.9
15°	1785.7	1842.0	1874.8	2121.3	2379.4
17.5°	1736.4	1776.4	1799.8	1992.2	2327.7
20°	1705.9	1724.7	1745.8	1898.4	2269.1
22.5°	1684.8	1673.1	1689.5	1832.7	2189.3
25°	1670.7	1626.1	1644.9	1781.0	2095.4
27.5°	1682.5	1583.9	1590.9	1734.1	1996.8
30°	1684.8	1532.2	1534.6	1684.8	1886.6
32.5°	1668.4	1478.3	1480.7	1623.8	1762.2
35°	1628.5	1414.9	1412.6	1553.4	1593.2
37.5°	1574.5	1346.9	1346.9	1475.9	1407.9
40°	1508.8	1278.8	1285.9	1375.1	1243.6
42.5°	1429.1	1206.1	1215.5	1241.3	1121.6
45°	1342.2	1135.8	1142.8	1048.9	1027.8
47.5°	1246.0	1062.9	1065.3	870.6	997.3
50°	1131.0	987.9	978.5	746.2	994.9
52.5°	1030.1	905.8	877.6	675.8	903.5
55°	931.6	818.9	757.9	621.9	837.7
57.5°	844.8	706.3	647.6	558.5	823.6
60°	764.9	596.0	551.4	490.4	755.6
62.5°	699.3	513.9	504.5	443.5	685.2
65°	628.9	457.6	455.2	403.6	581.9
67.5°	560.9	420.0	417.7	366.0	443.5
70°	488.0	380.2	375.4	326.2	328.5
72.5°	413.0	335.6	330.9	293.3	272.2
75°	337.9	283.9	281.6	255.7	220.6
77.5°	265.2	225.3	230.0	206.5	161.9
80°	190.0	164.3	169.0	147.9	122.0
82.5°	126.7	108.0	112.6	93.9	82.1
85°	70.4	61.0	63.3	49.3	37.6
87.5°	32.9	28.1	28.1	18.7	11.7
90°	32.5	20.7	19.2	13.3	7.4
92.5°	200.4	142.6	130.1	79.8	29.6
95°	493.2	277.8	254.8	162.9	71.0
97.5°	664.4	305.1	284.9	203.7	122.6
100°	726.7	328.0	309.6	236.0	162.5
102.5°	755.2	350.8	333.7	265.1	196.5
105°	776.4	384.9	370.3	312.2	254.1
107.5°	780.4	435.1	421.5	367.4	313.2
110°	774.4	463.2	450.9	402.0	353.1



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CANDELA DISTRIBUTION (continued):

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



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.05	13.89	14.03	14.88	16.19	15.89	16.73	16.87	17.72	19.03
	3H	13.53	14.28	14.52	15.28	16.61	17.24	17.99	18.23	18.99	20.32
	4H	13.72	14.43	14.72	15.43	16.77	17.68	18.39	18.68	19.40	20.73
	6H	13.83	14.49	14.85	15.50	16.85	17.97	18.62	18.98	19.63	20.98
	8H	13.83	14.46	14.85	15.48	16.83	18.04	18.66	19.06	19.69	21.04
	12H	13.81	14.40	14.83	15.42	16.79	18.08	18.67	19.10	19.69	21.06
4H	2H	14.08	14.79	15.09	15.80	17.14	16.30	17.01	17.30	18.01	19.35
	3H	15.11	15.70	16.13	16.73	18.09	17.80	18.39	18.82	19.43	20.78
	4H	15.38	15.93	16.41	16.95	18.32	18.33	18.87	19.36	19.90	21.27
	6H	15.51	15.97	16.54	17.02	18.39	18.70	19.16	19.73	20.21	21.58
	8H	15.51	15.95	16.55	16.99	18.37	18.80	19.24	19.84	20.28	21.67
	12H	15.48	15.87	16.53	16.93	18.32	18.86	19.25	19.92	20.31	21.70
8H	4H	15.84	16.27	16.87	17.31	18.70	18.45	18.89	19.49	19.93	21.32
	6H	16.10	16.46	17.16	17.54	18.92	18.89	19.25	19.95	20.33	21.72
	8H	16.14	16.46	17.21	17.52	18.93	19.04	19.36	20.11	20.43	21.83
	12H	16.12	16.40	17.20	17.46	18.91	19.14	19.42	20.22	20.48	21.93
12H	4H	15.84	16.23	16.90	17.29	18.68	18.42	18.81	19.47	19.87	21.26
	6H	16.16	16.47	17.23	17.54	18.94	18.89	19.20	19.96	20.27	21.67
	8H	16.22	16.50	17.30	17.57	19.01	19.05	19.33	20.12	20.39	21.83