

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: P936119

Luminaire Tested: SQ4-FA-150U-125D-840-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936119
REPORT IS A COMBINATION OF REPORTS P933783 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-125D-840-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

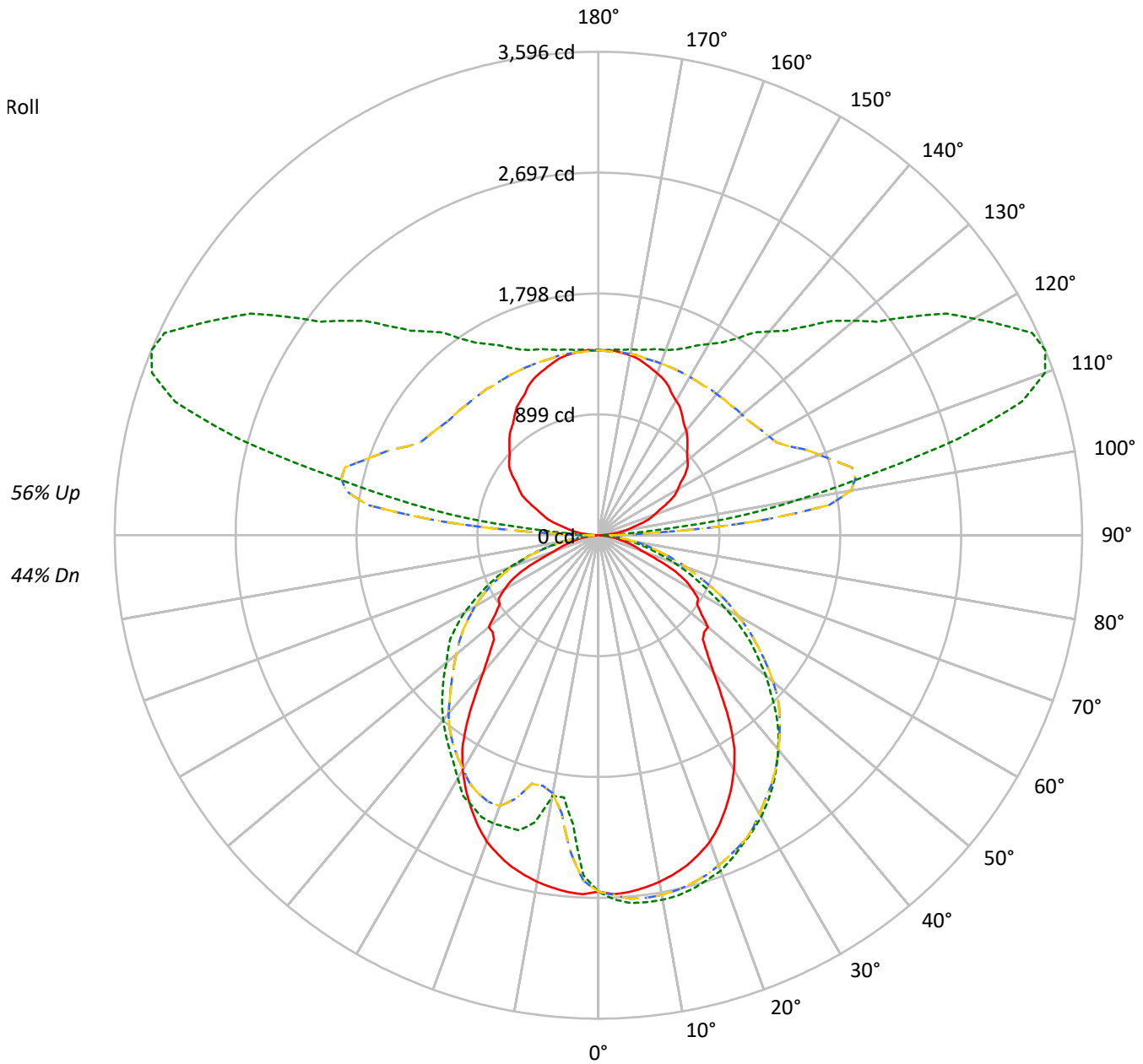
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15806.0 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 124.8
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	0
RCR																					
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44	44	44	44
1	96	92	88	85	88	84	81	78	70	68	66	57	55	54	44	43	42	37	37	37	37
2	88	80	74	69	80	74	69	64	61	58	54	50	47	45	39	37	36	31	31	31	31
3	80	71	63	58	73	65	59	54	54	49	46	44	41	38	35	32	30	26	26	26	26
4	73	63	55	49	67	57	51	45	48	43	39	39	35	32	31	28	26	22	22	22	22
5	67	56	48	42	61	51	44	39	43	37	33	35	31	28	28	25	23	19	19	19	19
6	62	50	42	36	56	46	39	34	39	33	29	32	28	24	25	22	20	17	17	17	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15	15	15	15
8	53	41	33	28	48	38	31	26	32	26	23	26	22	19	21	18	16	13	13	13	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12	12	12	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	16	18	15	13	11	11	11	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	16397	16397	16397	16397
5°	16514	16552	16514	13015
10°	16397	16305	16397	11657
15°	16213	15952	16213	13319
20°	15867	15533	15867	13348
25°	15167	14923	15167	13065
30°	14264	14416	14264	12444
35°	12710	13775	12710	11761
40°	10585	13021	10585	11246
45°	9452	12137	9452	10652
50°	10034	11084	10034	10057
55°	9430	9949	9430	9713
60°	9710	8450	9710	8897
65°	8789	6984	8789	7807
70°	6071	5566	6071	6544
75°	5304	4115	5304	4928
80°	4244	2720	4244	2961
85°	2391	1441	2391	1225

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14495 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.3	1.5
10°-20°	679.3	4.3
20°-30°	1050.1	6.6
30°-40°	1253.6	7.9
40°-50°	1261.0	8.0
50°-60°	1097.2	6.9
60°-70°	777.9	4.9
70°-80°	411.6	2.6
80°-90°	107.8	0.7
90°-100°	671.4	4.2
100°-110°	1765.0	11.2
110°-120°	1830.1	11.6
120°-130°	1468.0	9.3
130°-140°	1151.8	7.3
140°-150°	884.1	5.6
150°-160°	636.7	4.0
160°-170°	389.6	2.5
170°-180°	131.6	0.8
0°-30°	1968.7	12.5
0°-40°	3222.3	20.4
0°-60°	5580.5	35.3
0°-90°	6877.8	43.5
90°-120°	4266.5	27.0
90°-150°	7770.4	49.2
90°-180°	8928.0	56.5
0°-180°	15806.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2651	2651	2651	2651	2651	
5°	2663	2746	2663	2159	2663	253
15°	2543	2721	2543	2272	2543	715
25°	2239	2538	2239	2222	2239	1028
35°	1703	2264	1703	1933	1703	1053
45°	1098	1866	1098	1638	1098	880
55°	895	1377	895	1344	895	823
65°	622	830	622	928	622	594
75°	236	394	236	472	236	248
85°	40	100	40	85	40	54
90°	9	35	9	35	9	9
95°	89	406	89	406	89	99
105°	318	2764	318	2764	318	337
115°	565	3559	565	3559	565	558
125°	786	2834	786	2834	786	698
135°	936	2199	936	2199	936	724
145°	1086	1784	1086	1784	1086	680
155°	1228	1536	1228	1536	1228	564
165°	1325	1431	1325	1431	1325	374
175°	1377	1386	1377	1386	1377	131
180°	1377	1377	1377	1377	1377	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6
2.5°	2673.1	2673.1	2688.2	2693.2	2693.2	2685.7	2678.2	2685.7	2708.3	2715.8	2713.2
5°	2663.2	2683.2	2710.8	2715.8	2720.9	2718.3	2713.2	2718.3	2743.4	2748.4	2750.9
7.5°	2643.1	2680.6	2715.8	2723.3	2730.8	2723.3	2720.9	2725.8	2750.9	2755.9	2755.9
10°	2618.0	2670.7	2710.8	2715.8	2723.3	2715.8	2715.8	2725.8	2750.9	2755.9	2758.4
12.5°	2582.9	2655.6	2693.2	2698.2	2708.3	2705.7	2703.3	2713.2	2738.3	2743.4	2743.4
15°	2542.8	2628.0	2663.2	2668.2	2685.7	2680.6	2680.6	2690.7	2718.3	2725.8	2723.3
17.5°	2487.6	2592.9	2633.0	2640.5	2653.1	2650.6	2653.1	2663.2	2688.2	2693.2	2695.8
20°	2424.9	2545.3	2592.9	2600.4	2613.0	2613.0	2613.0	2625.5	2650.6	2660.6	2660.6
22.5°	2339.7	2495.1	2545.3	2550.3	2565.3	2565.3	2570.4	2587.9	2610.5	2613.0	2613.0
25°	2239.3	2440.0	2482.5	2497.7	2512.7	2520.2	2527.7	2537.8	2545.3	2542.8	2545.3
27.5°	2134.0	2369.7	2424.9	2434.9	2455.0	2462.5	2472.6	2475.0	2477.6	2485.1	2480.1
30°	2016.1	2271.9	2354.7	2364.7	2397.3	2402.3	2392.3	2397.3	2409.8	2414.9	2419.9
32.5°	1883.2	2126.5	2282.0	2304.5	2334.6	2319.6	2317.1	2324.6	2344.6	2344.6	2349.7
35°	1702.7	2013.6	2214.3	2234.4	2256.9	2239.3	2249.4	2251.8	2264.4	2271.9	2269.4
37.5°	1504.6	1915.8	2144.1	2159.1	2176.7	2154.0	2169.2	2176.7	2186.6	2181.7	2181.7
40°	1329.1	1762.9	2061.3	2071.3	2086.4	2068.8	2083.9	2088.9	2093.9	2088.9	2086.4
42.5°	1198.6	1594.8	1973.5	1986.1	1976.0	1988.5	1993.6	2003.7	1996.1	1986.1	1986.1
45°	1098.4	1549.8	1878.2	1893.3	1878.2	1898.3	1905.9	1905.9	1883.2	1878.2	1875.7
47.5°	1065.8	1459.5	1782.9	1782.9	1775.4	1800.5	1813.1	1795.5	1772.9	1765.4	1765.4
50°	1063.3	1359.2	1652.5	1642.6	1677.6	1707.8	1695.2	1677.6	1660.0	1632.5	1632.5
52.5°	965.5	1236.3	1484.6	1522.1	1577.3	1594.8	1574.8	1557.3	1527.2	1514.6	1504.6
55°	895.2	1108.3	1331.5	1406.8	1464.5	1487.0	1449.4	1431.9	1386.8	1379.2	1374.2
57.5°	880.2	922.8	1191.1	1286.5	1356.6	1354.2	1331.5	1298.9	1261.4	1253.9	1251.3
60°	807.5	667.0	1040.7	1153.5	1226.2	1218.7	1198.6	1168.6	1133.4	1128.5	1123.5
62.5°	732.2	484.0	870.1	998.1	1100.8	1098.4	1080.8	1035.6	1010.6	998.1	988.0
65°	621.9	406.3	619.4	830.0	978.0	983.0	945.4	912.8	885.2	870.1	867.7
67.5°	473.9	331.0	418.8	692.1	860.2	855.1	807.5	792.4	757.3	749.8	734.8
70°	351.0	220.7	290.9	561.7	744.8	732.2	694.7	677.1	644.5	626.9	616.9
72.5°	290.9	178.0	213.1	436.3	626.9	611.9	579.3	559.2	531.6	516.6	506.5
75°	235.7	188.1	163.0	323.5	509.0	499.0	468.9	448.8	426.3	406.3	408.7
77.5°	173.0	175.6	130.4	238.2	403.7	388.7	371.1	346.1	336.0	316.0	316.0
80°	130.4	137.9	97.8	163.0	290.9	290.9	275.8	258.3	240.8	230.7	230.7
82.5°	87.7	87.7	72.7	102.9	198.1	190.6	180.5	175.6	165.5	160.5	160.5
85°	40.1	50.2	45.2	62.7	107.8	112.8	112.8	107.8	105.3	100.3	102.9
87.5°	12.5	22.5	27.6	35.1	55.1	57.7	60.2	60.2	60.2	62.7	62.7
90°	9.3	16.7	24.0	25.9	40.7	60.4	70.2	62.4	46.8	35.2	35.2
92.5°	37.0	99.8	162.7	178.4	250.9	347.4	395.6	346.7	249.0	175.7	168.7
95°	88.7	203.7	318.8	347.6	617.2	976.6	1156.4	1031.9	782.9	596.2	575.0
97.5°	153.4	254.9	356.4	381.8	831.3	1430.7	1730.4	1651.7	1494.4	1376.4	1336.1
100°	203.3	295.4	387.4	410.4	909.3	1574.4	1906.9	1912.7	1924.2	1932.8	1884.9
102.5°	245.9	331.8	417.6	439.1	945.0	1619.5	1956.8	2057.0	2257.5	2407.9	2366.8
105°	317.9	390.7	463.4	481.6	971.5	1624.7	1951.3	2176.0	2625.4	2962.5	2940.4
107.5°	391.9	459.7	527.5	544.4	976.3	1552.3	1840.3	2153.8	2780.7	3250.9	3256.3
110°	441.8	503.1	564.2	579.6	969.0	1488.2	1747.9	2098.3	2799.2	3324.8	3347.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	490.8	549.1	607.4	622.0	969.3	1432.3	1663.8	2022.4	2739.7	3277.7	3313.1
115°	564.7	618.6	672.4	685.9	978.2	1368.1	1563.0	1908.5	2599.5	3117.7	3166.7
117.5°	637.8	686.7	735.6	747.8	996.5	1328.0	1493.8	1805.6	2429.1	2896.8	2951.2
120°	680.3	726.4	772.4	783.9	1011.2	1314.4	1466.0	1750.9	2320.7	2748.0	2800.8
122.5°	721.9	768.4	814.8	826.4	1032.5	1307.3	1444.8	1701.3	2214.4	2599.2	2651.3
125°	785.7	827.9	870.3	880.9	1061.1	1301.5	1421.6	1639.6	2075.4	2402.3	2450.2
127.5°	837.4	880.1	922.9	933.6	1089.8	1298.0	1402.2	1589.3	1963.6	2244.2	2284.8
130°	865.2	911.2	957.3	968.7	1110.8	1300.2	1394.9	1561.4	1894.6	2144.5	2181.8
132.5°	893.8	939.9	985.9	997.4	1127.7	1301.5	1388.3	1537.4	1835.7	2059.4	2092.9
135°	936.3	978.2	1020.2	1030.7	1146.2	1300.2	1377.3	1502.2	1751.9	1939.2	1968.1
137.5°	979.8	1021.3	1062.8	1073.2	1173.9	1308.2	1375.4	1481.0	1692.1	1850.5	1874.1
140°	1015.9	1054.1	1092.2	1101.8	1190.8	1309.6	1369.0	1460.2	1642.6	1779.4	1801.4
142.5°	1043.5	1078.9	1114.3	1123.1	1205.1	1314.3	1369.0	1449.1	1609.3	1729.4	1748.4
145°	1086.1	1116.9	1147.8	1155.5	1223.5	1314.3	1359.7	1425.2	1556.3	1654.6	1668.9
147.5°	1128.6	1158.6	1188.6	1196.1	1250.6	1323.3	1359.7	1411.3	1514.3	1591.7	1603.6
150°	1156.4	1183.4	1210.5	1217.3	1264.7	1328.1	1359.7	1403.3	1490.3	1555.6	1565.3
152.5°	1185.0	1205.6	1226.1	1231.2	1274.0	1331.1	1359.7	1396.8	1471.2	1527.0	1534.3
155°	1227.5	1242.7	1257.9	1261.7	1294.4	1337.9	1359.7	1389.2	1448.4	1492.8	1497.6
157.5°	1258.9	1273.7	1288.5	1292.2	1314.7	1344.7	1359.7	1382.7	1428.7	1463.2	1466.6
160°	1280.3	1291.7	1303.2	1306.0	1323.9	1347.7	1359.7	1379.4	1418.9	1448.4	1450.4
162.5°	1301.5	1310.1	1318.7	1320.9	1333.8	1351.1	1359.7	1376.3	1409.6	1434.6	1436.5
165°	1324.6	1332.4	1340.1	1342.1	1347.9	1355.7	1359.7	1371.6	1395.5	1413.3	1415.3
167.5°	1345.9	1349.5	1353.3	1354.2	1359.1	1365.7	1369.0	1376.8	1392.4	1404.0	1404.8
170°	1359.7	1363.3	1367.1	1368.0	1368.3	1368.8	1369.0	1376.8	1392.4	1404.0	1404.0
172.5°	1367.1	1367.9	1368.8	1369.0	1369.0	1369.0	1369.0	1375.1	1387.4	1396.6	1395.9
175°	1377.3	1377.3	1377.3	1377.3	1374.5	1370.8	1369.0	1372.8	1380.6	1386.5	1386.5
177.5°	1377.3	1377.3	1377.3	1377.3	1375.1	1372.2	1370.8	1373.8	1380.0	1384.7	1383.9
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6
2.5°	2718.3	2710.8	2718.3	2713.2	2715.8	2708.3	2685.7	2678.2	2685.7	2693.2	2693.2
5°	2750.9	2745.8	2750.9	2750.9	2748.4	2743.4	2718.3	2713.2	2718.3	2720.9	2715.8
7.5°	2761.0	2753.5	2761.0	2755.9	2755.9	2750.9	2725.8	2720.9	2723.3	2730.8	2723.3
10°	2761.0	2753.5	2761.0	2758.4	2755.9	2750.9	2725.8	2715.8	2715.8	2723.3	2715.8
12.5°	2748.4	2743.4	2748.4	2743.4	2743.4	2738.3	2713.2	2703.3	2705.7	2708.3	2698.2
15°	2728.4	2720.9	2728.4	2723.3	2725.8	2718.3	2690.7	2680.6	2680.6	2685.7	2668.2
17.5°	2698.2	2688.2	2698.2	2695.8	2693.2	2688.2	2663.2	2653.1	2650.6	2653.1	2640.5
20°	2663.2	2655.6	2663.2	2660.6	2660.6	2650.6	2625.5	2613.0	2613.0	2613.0	2600.4
22.5°	2607.9	2600.4	2607.9	2613.0	2613.0	2610.5	2587.9	2570.4	2565.3	2565.3	2550.3
25°	2545.3	2537.8	2545.3	2545.3	2542.8	2545.3	2537.8	2527.7	2520.2	2512.7	2497.7
27.5°	2485.1	2480.1	2485.1	2480.1	2485.1	2477.6	2475.0	2472.6	2462.5	2455.0	2434.9
30°	2424.9	2419.9	2424.9	2419.9	2414.9	2409.8	2397.3	2392.3	2402.3	2397.3	2364.7
32.5°	2349.7	2344.6	2349.7	2349.7	2344.6	2344.6	2324.6	2317.1	2319.6	2334.6	2304.5
35°	2271.9	2264.4	2271.9	2269.4	2271.9	2264.4	2251.8	2249.4	2239.3	2256.9	2234.4
37.5°	2181.7	2174.1	2181.7	2181.7	2181.7	2186.6	2176.7	2169.2	2154.0	2176.7	2159.1
40°	2088.9	2078.9	2088.9	2086.4	2088.9	2093.9	2088.9	2083.9	2068.8	2086.4	2071.3
42.5°	1983.6	1981.0	1983.6	1986.1	1986.1	1996.1	2003.7	1993.6	1988.5	1976.0	1986.1
45°	1870.7	1865.7	1870.7	1875.7	1878.2	1883.2	1905.9	1905.9	1898.3	1878.2	1893.3
47.5°	1750.3	1737.8	1750.3	1765.4	1765.4	1772.9	1795.5	1813.1	1800.5	1775.4	1782.9
50°	1622.5	1625.0	1622.5	1632.5	1632.5	1660.0	1677.6	1695.2	1707.8	1677.6	1642.6
52.5°	1497.1	1494.5	1497.1	1504.6	1514.6	1527.2	1557.3	1574.8	1594.8	1577.3	1522.1
55°	1371.6	1376.7	1371.6	1374.2	1379.2	1386.8	1431.9	1449.4	1487.0	1464.5	1406.8
57.5°	1246.3	1238.8	1246.3	1251.3	1253.9	1261.4	1298.9	1331.5	1354.2	1356.6	1286.5
60°	1100.8	1090.9	1100.8	1123.5	1128.5	1133.4	1168.6	1198.6	1218.7	1226.2	1153.5
62.5°	973.0	955.4	973.0	988.0	998.1	1010.6	1035.6	1080.8	1098.4	1100.8	998.1
65°	837.5	830.0	837.5	867.7	870.1	885.2	912.8	945.4	983.0	978.0	830.0
67.5°	714.7	714.7	714.7	734.8	749.8	757.3	792.4	807.5	855.1	860.2	692.1
70°	601.8	599.3	601.8	616.9	626.9	644.5	677.1	694.7	732.2	744.8	561.7
72.5°	494.0	491.5	494.0	506.5	516.6	531.6	559.2	579.3	611.9	626.9	436.3
75°	398.8	393.7	398.8	408.7	406.3	426.3	448.8	468.9	499.0	509.0	323.5
77.5°	306.0	306.0	306.0	316.0	316.0	336.0	346.1	371.1	388.7	403.7	238.2
80°	228.2	225.7	228.2	230.7	230.7	240.8	258.3	275.8	290.9	290.9	163.0
82.5°	160.5	155.5	160.5	160.5	160.5	165.5	175.6	180.5	190.6	198.1	102.9
85°	100.3	100.3	100.3	102.9	100.3	105.3	107.8	112.8	112.8	107.8	62.7
87.5°	65.2	62.7	65.2	62.7	62.7	60.2	60.2	60.2	57.7	55.1	35.1
90°	35.2	35.2	35.2	35.2	35.2	46.8	62.4	70.2	60.4	40.7	25.9
92.5°	140.7	112.7	140.7	168.7	175.7	249.0	346.7	395.6	347.4	250.9	178.4
95°	490.3	405.8	490.3	575.0	596.2	782.9	1031.9	1156.4	976.6	617.2	347.6
97.5°	1175.0	1014.0	1175.0	1336.1	1376.4	1494.4	1651.7	1730.4	1430.7	831.3	381.8
100°	1693.0	1501.2	1693.0	1884.9	1932.8	1924.2	1912.7	1906.9	1574.4	909.3	410.4
102.5°	2202.4	2038.1	2202.4	2366.8	2407.9	2257.5	2057.0	1956.8	1619.5	945.0	439.1
105°	2852.1	2763.7	2852.1	2940.4	2962.5	2625.4	2176.0	1951.3	1624.7	971.5	481.6
107.5°	3277.6	3298.9	3277.6	3256.3	3250.9	2780.7	2153.8	1840.3	1552.3	976.3	544.4
110°	3439.8	3531.9	3439.8	3347.8	3324.8	2799.2	2098.3	1747.9	1488.2	969.0	579.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3454.3	3595.6	3454.3	3313.1	3277.7	2739.7	2022.4	1663.8	1432.3	969.3	622.0
115°	3362.7	3558.7	3362.7	3166.7	3117.7	2599.5	1908.5	1563.0	1368.1	978.2	685.9
117.5°	3168.5	3385.9	3168.5	2951.2	2896.8	2429.1	1805.6	1493.8	1328.0	996.5	747.8
120°	3012.0	3223.2	3012.0	2800.8	2748.0	2320.7	1750.9	1466.0	1314.4	1011.2	783.9
122.5°	2859.6	3067.8	2859.6	2651.3	2599.2	2214.4	1701.3	1444.8	1307.3	1032.5	826.4
125°	2642.1	2834.0	2642.1	2450.2	2402.3	2075.4	1639.6	1421.6	1301.5	1061.1	880.9
127.5°	2446.6	2608.5	2446.6	2284.8	2244.2	1963.6	1589.3	1402.2	1298.0	1089.8	933.6
130°	2331.4	2480.9	2331.4	2181.8	2144.5	1894.6	1561.4	1394.9	1300.2	1110.8	968.7
132.5°	2226.8	2360.7	2226.8	2092.9	2059.4	1835.7	1537.4	1388.3	1301.5	1127.7	997.4
135°	2083.6	2199.0	2083.6	1968.1	1939.2	1751.9	1502.2	1377.3	1300.2	1146.2	1030.7
137.5°	1968.7	2063.1	1968.7	1874.1	1850.5	1692.1	1481.0	1375.4	1308.2	1173.9	1073.2
140°	1889.7	1978.1	1889.7	1801.4	1779.4	1642.6	1460.2	1369.0	1309.6	1190.8	1101.8
142.5°	1824.4	1900.4	1824.4	1748.4	1729.4	1609.3	1449.1	1369.0	1314.3	1205.1	1123.1
145°	1726.4	1783.9	1726.4	1668.9	1654.6	1556.3	1425.2	1359.7	1314.3	1223.5	1155.5
147.5°	1651.2	1699.0	1651.2	1603.6	1591.7	1514.3	1411.3	1359.7	1323.3	1250.6	1196.1
150°	1603.9	1642.6	1603.9	1565.3	1555.6	1490.3	1403.3	1359.7	1328.1	1264.7	1217.3
152.5°	1563.4	1592.7	1563.4	1534.3	1527.0	1471.2	1396.8	1359.7	1331.1	1274.0	1231.2
155°	1516.9	1536.2	1516.9	1497.6	1492.8	1448.4	1389.2	1359.7	1337.9	1294.4	1261.7
157.5°	1480.2	1493.8	1480.2	1466.6	1463.2	1428.7	1382.7	1359.7	1344.7	1314.7	1292.2
160°	1458.2	1466.0	1458.2	1450.4	1448.4	1418.9	1379.4	1359.7	1347.7	1323.9	1306.0
162.5°	1443.8	1451.2	1443.8	1436.5	1434.6	1409.6	1376.3	1359.7	1351.1	1333.8	1320.9
165°	1423.0	1430.8	1423.0	1415.3	1413.3	1395.5	1371.6	1359.7	1355.7	1347.9	1342.1
167.5°	1408.2	1411.5	1408.2	1404.8	1404.0	1392.4	1376.8	1369.0	1365.7	1359.1	1354.2
170°	1404.0	1404.0	1404.0	1404.0	1404.0	1392.4	1376.8	1369.0	1368.8	1368.3	1368.0
172.5°	1393.1	1390.2	1393.1	1395.9	1396.6	1387.4	1375.1	1369.0	1369.0	1369.0	1369.0
175°	1386.5	1386.5	1386.5	1386.5	1386.5	1380.6	1372.8	1369.0	1370.8	1374.5	1377.3
177.5°	1380.5	1377.3	1380.5	1383.9	1384.7	1380.0	1373.8	1370.8	1372.2	1375.1	1377.3
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6
2.5°	2688.2	2673.1	2673.1	2648.1	2638.1	2630.6	2618.0	2580.4	2570.4	2560.3	2575.3
5°	2710.8	2683.2	2663.2	2618.0	2580.4	2565.3	2517.7	2427.4	2367.2	2322.1	2297.0
7.5°	2715.8	2680.6	2643.1	2572.9	2482.5	2442.4	2297.0	2131.5	2086.4	2046.2	2021.2
10°	2710.8	2670.7	2618.0	2512.7	2299.6	2229.3	2083.9	1976.0	1948.4	1940.9	1948.4
12.5°	2693.2	2655.6	2582.9	2407.4	2109.0	2061.3	1976.0	1913.4	1908.3	1920.9	1988.5
15°	2663.2	2628.0	2542.8	2267.0	2003.7	1968.5	1908.3	1885.8	1913.4	2001.1	2204.2
17.5°	2633.0	2592.9	2487.6	2129.0	1923.3	1898.3	1855.7	1900.8	2056.3	2174.1	2241.9
20°	2592.9	2545.3	2424.9	2028.7	1865.7	1843.1	1823.1	2026.2	2144.1	2186.6	2224.3
22.5°	2545.3	2495.1	2339.7	1958.5	1805.5	1788.0	1800.5	2096.4	2144.1	2174.1	2206.7
25°	2482.5	2440.0	2239.3	1903.3	1757.8	1737.8	1785.4	2088.9	2116.5	2124.0	2189.2
27.5°	2424.9	2369.7	2134.0	1853.2	1700.2	1692.6	1798.0	2056.3	2076.4	2083.9	2154.0
30°	2354.7	2271.9	2016.1	1800.5	1640.0	1637.5	1800.5	2016.1	2011.2	2031.2	2101.4
32.5°	2282.0	2126.5	1883.2	1735.3	1582.4	1579.8	1782.9	1955.9	1951.0	1978.6	2031.2
35°	2214.3	2013.6	1702.7	1660.0	1509.6	1512.1	1740.4	1885.8	1888.3	1913.4	1946.0
37.5°	2144.1	1915.8	1504.6	1577.3	1439.4	1439.4	1682.7	1820.6	1815.5	1823.1	1868.2
40°	2061.3	1762.9	1329.1	1469.5	1374.2	1366.7	1612.4	1750.3	1732.8	1730.3	1793.0
42.5°	1973.5	1594.8	1198.6	1326.6	1298.9	1288.9	1527.2	1665.1	1632.5	1640.0	1720.2
45°	1878.2	1549.8	1098.4	1120.9	1221.3	1213.7	1434.4	1567.3	1544.7	1564.8	1647.5
47.5°	1782.9	1459.5	1065.8	930.3	1138.5	1136.0	1331.5	1472.0	1459.5	1479.5	1567.3
50°	1652.5	1359.2	1063.3	797.4	1045.7	1055.7	1208.7	1379.2	1379.2	1396.7	1489.5
52.5°	1484.6	1236.3	965.5	722.2	937.9	967.9	1100.8	1298.9	1304.0	1321.5	1404.2
55°	1331.5	1108.3	895.2	664.5	810.0	875.2	995.5	1216.2	1226.2	1243.8	1319.0
57.5°	1191.1	922.8	880.2	596.9	692.1	754.8	902.7	1136.0	1140.9	1156.1	1228.8
60°	1040.7	667.0	807.5	524.1	589.3	637.0	817.5	1040.7	1058.2	1068.2	1131.0
62.5°	870.1	484.0	732.2	473.9	539.2	549.1	747.3	950.4	973.0	980.5	1018.1
65°	619.4	406.3	621.9	431.4	486.5	489.0	672.0	857.6	877.6	890.2	917.9
67.5°	418.8	331.0	473.9	391.1	446.4	448.8	599.3	749.8	777.4	787.4	804.9
70°	290.9	220.7	351.0	348.6	401.2	406.3	521.6	652.0	677.1	684.6	694.7
72.5°	213.1	178.0	290.9	313.5	353.6	358.6	441.3	541.6	566.7	574.2	579.3
75°	163.0	188.1	235.7	273.4	300.9	303.4	361.1	441.3	458.9	464.0	466.4
77.5°	130.4	175.6	173.0	220.7	245.7	240.8	283.4	341.1	356.1	356.1	356.1
80°	97.8	137.9	130.4	158.0	180.5	175.6	203.1	243.2	248.3	253.2	250.8
82.5°	72.7	87.7	87.7	100.3	120.3	115.4	135.5	158.0	158.0	158.0	163.0
85°	45.2	50.2	40.1	52.7	67.7	65.2	75.2	85.3	87.7	87.7	82.8
87.5°	27.6	22.5	12.5	20.1	30.1	30.1	35.1	37.6	35.1	35.1	35.1
90°	24.0	16.7	9.3	16.7	24.0	25.9	40.7	60.4	70.2	62.4	46.8
92.5°	162.7	99.8	37.0	99.8	162.7	178.4	250.9	347.4	395.6	346.7	249.0
95°	318.8	203.7	88.7	203.7	318.8	347.6	617.2	976.6	1156.4	1031.9	782.9
97.5°	356.4	254.9	153.4	254.9	356.4	381.8	831.3	1430.7	1730.4	1651.7	1494.4
100°	387.4	295.4	203.3	295.4	387.4	410.4	909.3	1574.4	1906.9	1912.7	1924.2
102.5°	417.6	331.8	245.9	331.8	417.6	439.1	945.0	1619.5	1956.8	2057.0	2257.5
105°	463.4	390.7	317.9	390.7	463.4	481.6	971.5	1624.7	1951.3	2176.0	2625.4
107.5°	527.5	459.7	391.9	459.7	527.5	544.4	976.3	1552.3	1840.3	2153.8	2780.7
110°	564.2	503.1	441.8	503.1	564.2	579.6	969.0	1488.2	1747.9	2098.3	2799.2



TEST NUMBER: P936119

CATALOG NUMBER: SQ4-FA-150U-125D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	607.4	549.1	490.8	549.1	607.4	622.0	969.3	1432.3	1663.8	2022.4	2739.7
115°	672.4	618.6	564.7	618.6	672.4	685.9	978.2	1368.1	1563.0	1908.5	2599.5
117.5°	735.6	686.7	637.8	686.7	735.6	747.8	996.5	1328.0	1493.8	1805.6	2429.1
120°	772.4	726.4	680.3	726.4	772.4	783.9	1011.2	1314.4	1466.0	1750.9	2320.7
122.5°	814.8	768.4	721.9	768.4	814.8	826.4	1032.5	1307.3	1444.8	1701.3	2214.4
125°	870.3	827.9	785.7	827.9	870.3	880.9	1061.1	1301.5	1421.6	1639.6	2075.4
127.5°	922.9	880.1	837.4	880.1	922.9	933.6	1089.8	1298.0	1402.2	1589.3	1963.6
130°	957.3	911.2	865.2	911.2	957.3	968.7	1110.8	1300.2	1394.9	1561.4	1894.6
132.5°	985.9	939.9	893.8	939.9	985.9	997.4	1127.7	1301.5	1388.3	1537.4	1835.7
135°	1020.2	978.2	936.3	978.2	1020.2	1030.7	1146.2	1300.2	1377.3	1502.2	1751.9
137.5°	1062.8	1021.3	979.8	1021.3	1062.8	1073.2	1173.9	1308.2	1375.4	1481.0	1692.1
140°	1092.2	1054.1	1015.9	1054.1	1092.2	1101.8	1190.8	1309.6	1369.0	1460.2	1642.6
142.5°	1114.3	1078.9	1043.5	1078.9	1114.3	1123.1	1205.1	1314.3	1369.0	1449.1	1609.3
145°	1147.8	1116.9	1086.1	1116.9	1147.8	1155.5	1223.5	1314.3	1359.7	1425.2	1556.3
147.5°	1188.6	1158.6	1128.6	1158.6	1188.6	1196.1	1250.6	1323.3	1359.7	1411.3	1514.3
150°	1210.5	1183.4	1156.4	1183.4	1210.5	1217.3	1264.7	1328.1	1359.7	1403.3	1490.3
152.5°	1226.1	1205.6	1185.0	1205.6	1226.1	1231.2	1274.0	1331.1	1359.7	1396.8	1471.2
155°	1257.9	1242.7	1227.5	1242.7	1257.9	1261.7	1294.4	1337.9	1359.7	1389.2	1448.4
157.5°	1288.5	1273.7	1258.9	1273.7	1288.5	1292.2	1314.7	1344.7	1359.7	1382.7	1428.7
160°	1303.2	1291.7	1280.3	1291.7	1303.2	1306.0	1323.9	1347.7	1359.7	1379.4	1418.9
162.5°	1318.7	1310.1	1301.5	1310.1	1318.7	1320.9	1333.8	1351.1	1359.7	1376.3	1409.6
165°	1340.1	1332.4	1324.6	1332.4	1340.1	1342.1	1347.9	1355.7	1359.7	1371.6	1395.5
167.5°	1353.3	1349.5	1345.9	1349.5	1353.3	1354.2	1359.1	1365.7	1369.0	1376.8	1392.4
170°	1367.1	1363.3	1359.7	1363.3	1367.1	1368.0	1368.3	1368.8	1369.0	1376.8	1392.4
172.5°	1368.8	1367.9	1367.1	1367.9	1368.8	1369.0	1369.0	1369.0	1369.0	1375.1	1387.4
175°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1374.5	1370.8	1372.8	1380.6
177.5°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1375.1	1372.2	1370.8	1380.0
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



TEST NUMBER: P936119

CATALOG NUMBER: SQ4-FA-150U-125D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6	2650.6
2.5°	2557.8	2550.3	2560.3	2532.7	2560.3	2550.3	2557.8	2575.3	2560.3	2570.4	2580.4
5°	2244.3	2231.8	2191.7	2159.1	2191.7	2231.8	2244.3	2297.0	2322.1	2367.2	2427.4
7.5°	2006.1	1996.1	1986.1	1966.0	1986.1	1996.1	2006.1	2021.2	2046.2	2086.4	2131.5
10°	1953.5	1955.9	1971.1	1968.5	1971.1	1955.9	1953.5	1948.4	1940.9	1948.4	1976.0
12.5°	2088.9	2111.5	2194.2	2189.2	2194.2	2111.5	2088.9	1988.5	1920.9	1908.3	1913.4
15°	2244.3	2251.8	2269.4	2271.9	2269.4	2251.8	2244.3	2204.2	2001.1	1913.4	1885.8
17.5°	2259.4	2261.9	2274.5	2274.5	2274.5	2261.9	2259.4	2241.9	2174.1	2056.3	1900.8
20°	2246.9	2251.8	2276.9	2282.0	2276.9	2251.8	2246.9	2224.3	2186.6	2144.1	2026.2
22.5°	2241.9	2251.8	2271.9	2269.4	2271.9	2251.8	2241.9	2206.7	2174.1	2144.1	2096.4
25°	2216.8	2216.8	2219.2	2221.8	2219.2	2216.8	2216.8	2189.2	2124.0	2116.5	2088.9
27.5°	2164.1	2169.2	2184.2	2181.7	2184.2	2169.2	2164.1	2154.0	2083.9	2076.4	2056.3
30°	2116.5	2111.5	2098.9	2088.9	2098.9	2111.5	2116.5	2101.4	2031.2	2011.2	2016.1
32.5°	2036.3	2023.7	2011.2	2003.7	2011.2	2023.7	2036.3	2031.2	1978.6	1951.0	1955.9
35°	1940.9	1943.4	1940.9	1933.4	1940.9	1943.4	1940.9	1946.0	1913.4	1888.3	1885.8
37.5°	1873.2	1878.2	1875.7	1865.7	1875.7	1878.2	1873.2	1868.2	1823.1	1815.5	1820.6
40°	1803.0	1805.5	1803.0	1795.5	1803.0	1805.5	1803.0	1793.0	1730.3	1732.8	1750.3
42.5°	1735.3	1732.8	1725.2	1720.2	1725.2	1732.8	1735.3	1720.2	1640.0	1632.5	1665.1
45°	1657.6	1660.0	1645.0	1637.5	1645.0	1660.0	1657.6	1647.5	1564.8	1544.7	1567.3
47.5°	1579.8	1579.8	1567.3	1559.8	1567.3	1579.8	1579.8	1567.3	1479.5	1459.5	1472.0
50°	1497.1	1494.5	1477.1	1474.5	1477.1	1494.5	1497.1	1489.5	1396.7	1379.2	1379.2
52.5°	1401.8	1401.8	1404.2	1409.3	1404.2	1401.8	1401.8	1404.2	1321.5	1304.0	1298.9
55°	1319.0	1321.5	1339.1	1344.1	1339.1	1321.5	1319.0	1319.0	1243.8	1226.2	1216.2
57.5°	1233.8	1233.8	1246.3	1246.3	1246.3	1233.8	1233.8	1228.8	1156.1	1140.9	1136.0
60°	1136.0	1140.9	1151.0	1148.6	1151.0	1140.9	1136.0	1131.0	1068.2	1058.2	1040.7
62.5°	1033.2	1038.2	1040.7	1035.6	1040.7	1038.2	1033.2	1018.1	980.5	973.0	950.4
65°	925.4	930.3	932.9	927.8	932.9	930.3	925.4	917.9	890.2	877.6	857.6
67.5°	815.0	812.4	810.0	820.0	810.0	812.4	815.0	804.9	787.4	777.4	749.8
70°	702.2	702.2	699.6	704.6	699.6	702.2	702.2	694.7	684.6	677.1	652.0
72.5°	581.7	579.3	589.3	581.7	589.3	579.3	581.7	579.3	574.2	566.7	541.6
75°	464.0	468.9	464.0	471.5	464.0	468.9	464.0	466.4	464.0	458.9	441.3
77.5°	353.6	358.6	353.6	353.6	353.6	358.6	353.6	356.1	356.1	356.1	341.1
80°	250.8	248.3	248.3	245.7	248.3	248.3	250.8	250.8	253.2	248.3	243.2
82.5°	160.5	158.0	158.0	163.0	158.0	158.0	160.5	163.0	158.0	158.0	158.0
85°	87.7	90.3	85.3	85.3	85.3	90.3	87.7	82.8	87.7	87.7	85.3
87.5°	32.6	30.1	30.1	30.1	30.1	30.1	32.6	35.1	35.1	35.1	37.6
90°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	46.8	62.4	70.2	60.4
92.5°	175.7	168.7	140.7	112.7	140.7	168.7	175.7	249.0	346.7	395.6	347.4
95°	596.2	575.0	490.3	405.8	490.3	575.0	596.2	782.9	1031.9	1156.4	976.6
97.5°	1376.4	1336.1	1175.0	1014.0	1175.0	1336.1	1376.4	1494.4	1651.7	1730.4	1430.7
100°	1932.8	1884.9	1693.0	1501.2	1693.0	1884.9	1932.8	1924.2	1912.7	1906.9	1574.4
102.5°	2407.9	2366.8	2202.4	2038.1	2202.4	2366.8	2407.9	2257.5	2057.0	1956.8	1619.5
105°	2962.5	2940.4	2852.1	2763.7	2852.1	2940.4	2962.5	2625.4	2176.0	1951.3	1624.7
107.5°	3250.9	3256.3	3277.6	3298.9	3277.6	3256.3	3250.9	2780.7	2153.8	1840.3	1552.3
110°	3324.8	3347.8	3439.8	3531.9	3439.8	3347.8	3324.8	2799.2	2098.3	1747.9	1488.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3277.7	3313.1	3454.3	3595.6	3454.3	3313.1	3277.7	2739.7	2022.4	1663.8	1432.3
115°	3117.7	3166.7	3362.7	3558.7	3362.7	3166.7	3117.7	2599.5	1908.5	1563.0	1368.1
117.5°	2896.8	2951.2	3168.5	3385.9	3168.5	2951.2	2896.8	2429.1	1805.6	1493.8	1328.0
120°	2748.0	2800.8	3012.0	3223.2	3012.0	2800.8	2748.0	2320.7	1750.9	1466.0	1314.4
122.5°	2599.2	2651.3	2859.6	3067.8	2859.6	2651.3	2599.2	2214.4	1701.3	1444.8	1307.3
125°	2402.3	2450.2	2642.1	2834.0	2642.1	2450.2	2402.3	2075.4	1639.6	1421.6	1301.5
127.5°	2244.2	2284.8	2446.6	2608.5	2446.6	2284.8	2244.2	1963.6	1589.3	1402.2	1298.0
130°	2144.5	2181.8	2331.4	2480.9	2331.4	2181.8	2144.5	1894.6	1561.4	1394.9	1300.2
132.5°	2059.4	2092.9	2226.8	2360.7	2226.8	2092.9	2059.4	1835.7	1537.4	1388.3	1301.5
135°	1939.2	1968.1	2083.6	2199.0	2083.6	1968.1	1939.2	1751.9	1502.2	1377.3	1300.2
137.5°	1850.5	1874.1	1968.7	2063.1	1968.7	1874.1	1850.5	1692.1	1481.0	1375.4	1308.2
140°	1779.4	1801.4	1889.7	1978.1	1889.7	1801.4	1779.4	1642.6	1460.2	1369.0	1309.6
142.5°	1729.4	1748.4	1824.4	1900.4	1824.4	1748.4	1729.4	1609.3	1449.1	1369.0	1314.3
145°	1654.6	1668.9	1726.4	1783.9	1726.4	1668.9	1654.6	1556.3	1425.2	1359.7	1314.3
147.5°	1591.7	1603.6	1651.2	1699.0	1651.2	1603.6	1591.7	1514.3	1411.3	1359.7	1323.3
150°	1555.6	1565.3	1603.9	1642.6	1603.9	1565.3	1555.6	1490.3	1403.3	1359.7	1328.1
152.5°	1527.0	1534.3	1563.4	1592.7	1563.4	1534.3	1527.0	1471.2	1396.8	1359.7	1331.1
155°	1492.8	1497.6	1516.9	1536.2	1516.9	1497.6	1492.8	1448.4	1389.2	1359.7	1337.9
157.5°	1463.2	1466.6	1480.2	1493.8	1480.2	1466.6	1463.2	1428.7	1382.7	1359.7	1344.7
160°	1448.4	1450.4	1458.2	1466.0	1458.2	1450.4	1448.4	1418.9	1379.4	1359.7	1347.7
162.5°	1434.6	1436.5	1443.8	1451.2	1443.8	1436.5	1434.6	1409.6	1376.3	1359.7	1351.1
165°	1413.3	1415.3	1423.0	1430.8	1423.0	1415.3	1413.3	1395.5	1371.6	1359.7	1355.7
167.5°	1404.0	1404.8	1408.2	1411.5	1408.2	1404.8	1404.0	1392.4	1376.8	1369.0	1365.7
170°	1404.0	1404.0	1404.0	1404.0	1404.0	1404.0	1404.0	1392.4	1376.8	1369.0	1368.8
172.5°	1396.6	1395.9	1393.1	1390.2	1393.1	1395.9	1396.6	1387.4	1375.1	1369.0	1369.0
175°	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1380.6	1372.8	1369.0	1370.8
177.5°	1384.7	1383.9	1380.5	1377.3	1380.5	1383.9	1384.7	1380.0	1373.8	1370.8	1372.2
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2650.6	2650.6	2650.6	2650.6	2650.6
2.5°	2618.0	2630.6	2638.1	2648.1	2673.1
5°	2517.7	2565.3	2580.4	2618.0	2663.2
7.5°	2297.0	2442.4	2482.5	2572.9	2643.1
10°	2083.9	2229.3	2299.6	2512.7	2618.0
12.5°	1976.0	2061.3	2109.0	2407.4	2582.9
15°	1908.3	1968.5	2003.7	2267.0	2542.8
17.5°	1855.7	1898.3	1923.3	2129.0	2487.6
20°	1823.1	1843.1	1865.7	2028.7	2424.9
22.5°	1800.5	1788.0	1805.5	1958.5	2339.7
25°	1785.4	1737.8	1757.8	1903.3	2239.3
27.5°	1798.0	1692.6	1700.2	1853.2	2134.0
30°	1800.5	1637.5	1640.0	1800.5	2016.1
32.5°	1782.9	1579.8	1582.4	1735.3	1883.2
35°	1740.4	1512.1	1509.6	1660.0	1702.7
37.5°	1682.7	1439.4	1439.4	1577.3	1504.6
40°	1612.4	1366.7	1374.2	1469.5	1329.1
42.5°	1527.2	1288.9	1298.9	1326.6	1198.6
45°	1434.4	1213.7	1221.3	1120.9	1098.4
47.5°	1331.5	1136.0	1138.5	930.3	1065.8
50°	1208.7	1055.7	1045.7	797.4	1063.3
52.5°	1100.8	967.9	937.9	722.2	965.5
55°	995.5	875.2	810.0	664.5	895.2
57.5°	902.7	754.8	692.1	596.9	880.2
60°	817.5	637.0	589.3	524.1	807.5
62.5°	747.3	549.1	539.2	473.9	732.2
65°	672.0	489.0	486.5	431.4	621.9
67.5°	599.3	448.8	446.4	391.1	473.9
70°	521.6	406.3	401.2	348.6	351.0
72.5°	441.3	358.6	353.6	313.5	290.9
75°	361.1	303.4	300.9	273.4	235.7
77.5°	283.4	240.8	245.7	220.7	173.0
80°	203.1	175.6	180.5	158.0	130.4
82.5°	135.5	115.4	120.3	100.3	87.7
85°	75.2	65.2	67.7	52.7	40.1
87.5°	35.1	30.1	30.1	20.1	12.5
90°	40.7	25.9	24.0	16.7	9.3
92.5°	250.9	178.4	162.7	99.8	37.0
95°	617.2	347.6	318.8	203.7	88.7
97.5°	831.3	381.8	356.4	254.9	153.4
100°	909.3	410.4	387.4	295.4	203.3
102.5°	945.0	439.1	417.6	331.8	245.9
105°	971.5	481.6	463.4	390.7	317.9
107.5°	976.3	544.4	527.5	459.7	391.9
110°	969.0	579.6	564.2	503.1	441.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	969.3	622.0	607.4	549.1	490.8
115°	978.2	685.9	672.4	618.6	564.7
117.5°	996.5	747.8	735.6	686.7	637.8
120°	1011.2	783.9	772.4	726.4	680.3
122.5°	1032.5	826.4	814.8	768.4	721.9
125°	1061.1	880.9	870.3	827.9	785.7
127.5°	1089.8	933.6	922.9	880.1	837.4
130°	1110.8	968.7	957.3	911.2	865.2
132.5°	1127.7	997.4	985.9	939.9	893.8
135°	1146.2	1030.7	1020.2	978.2	936.3
137.5°	1173.9	1073.2	1062.8	1021.3	979.8
140°	1190.8	1101.8	1092.2	1054.1	1015.9
142.5°	1205.1	1123.1	1114.3	1078.9	1043.5
145°	1223.5	1155.5	1147.8	1116.9	1086.1
147.5°	1250.6	1196.1	1188.6	1158.6	1128.6
150°	1264.7	1217.3	1210.5	1183.4	1156.4
152.5°	1274.0	1231.2	1226.1	1205.6	1185.0
155°	1294.4	1261.7	1257.9	1242.7	1227.5
157.5°	1314.7	1292.2	1288.5	1273.7	1258.9
160°	1323.9	1306.0	1303.2	1291.7	1280.3
162.5°	1333.8	1320.9	1318.7	1310.1	1301.5
165°	1347.9	1342.1	1340.1	1332.4	1324.6
167.5°	1359.1	1354.2	1353.3	1349.5	1345.9
170°	1368.3	1368.0	1367.1	1363.3	1359.7
172.5°	1369.0	1369.0	1368.8	1367.9	1367.1
175°	1374.5	1377.3	1377.3	1377.3	1377.3
177.5°	1375.1	1377.3	1377.3	1377.3	1377.3
180°	1377.3	1377.3	1377.3	1377.3	1377.3



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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	13.89	14.70	14.90	15.72	17.08	16.71	17.52	17.72	18.54	19.90
	3H	14.36	15.08	15.38	16.11	17.50	18.05	18.78	19.07	19.80	21.19
	4H	14.55	15.24	15.59	16.27	17.66	18.49	19.18	19.53	20.21	21.60
	6H	14.67	15.30	15.71	16.33	17.73	18.77	19.40	19.82	20.44	21.84
	8H	14.67	15.27	15.72	16.32	17.72	18.85	19.45	19.90	20.50	21.90
	12H	14.64	15.21	15.69	16.25	17.67	18.88	19.45	19.94	20.50	21.92
4H	2H	14.91	15.60	15.95	16.63	18.02	17.12	17.80	18.16	18.83	20.22
	3H	15.94	16.51	16.98	17.57	18.97	18.62	19.19	19.66	20.25	21.65
	4H	16.21	16.73	17.27	17.78	19.21	19.14	19.66	20.20	20.71	22.14
	6H	16.33	16.78	17.40	17.86	19.27	19.50	19.95	20.57	21.02	22.44
	8H	16.34	16.75	17.40	17.82	19.26	19.61	20.02	20.67	21.09	22.53
	12H	16.30	16.68	17.38	17.76	19.20	19.66	20.04	20.74	21.12	22.56
8H	4H	16.66	17.08	17.72	18.14	19.58	19.26	19.68	20.33	20.75	22.18
	6H	16.92	17.26	18.01	18.37	19.80	19.69	20.04	20.78	21.15	22.58
	8H	16.96	17.26	18.06	18.36	19.81	19.84	20.15	20.94	21.24	22.69
	12H	16.94	17.21	18.04	18.30	19.79	19.94	20.21	21.04	21.29	22.78
12H	4H	16.66	17.04	17.74	18.12	19.56	19.22	19.60	20.31	20.68	22.12
	6H	16.98	17.28	18.07	18.37	19.83	19.69	19.99	20.79	21.09	22.54
	8H	17.04	17.31	18.14	18.40	19.89	19.85	20.11	20.95	21.20	22.69