

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: P936111

Luminaire Tested: SQ4-FA-150U-125D-830-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P936111
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-830-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

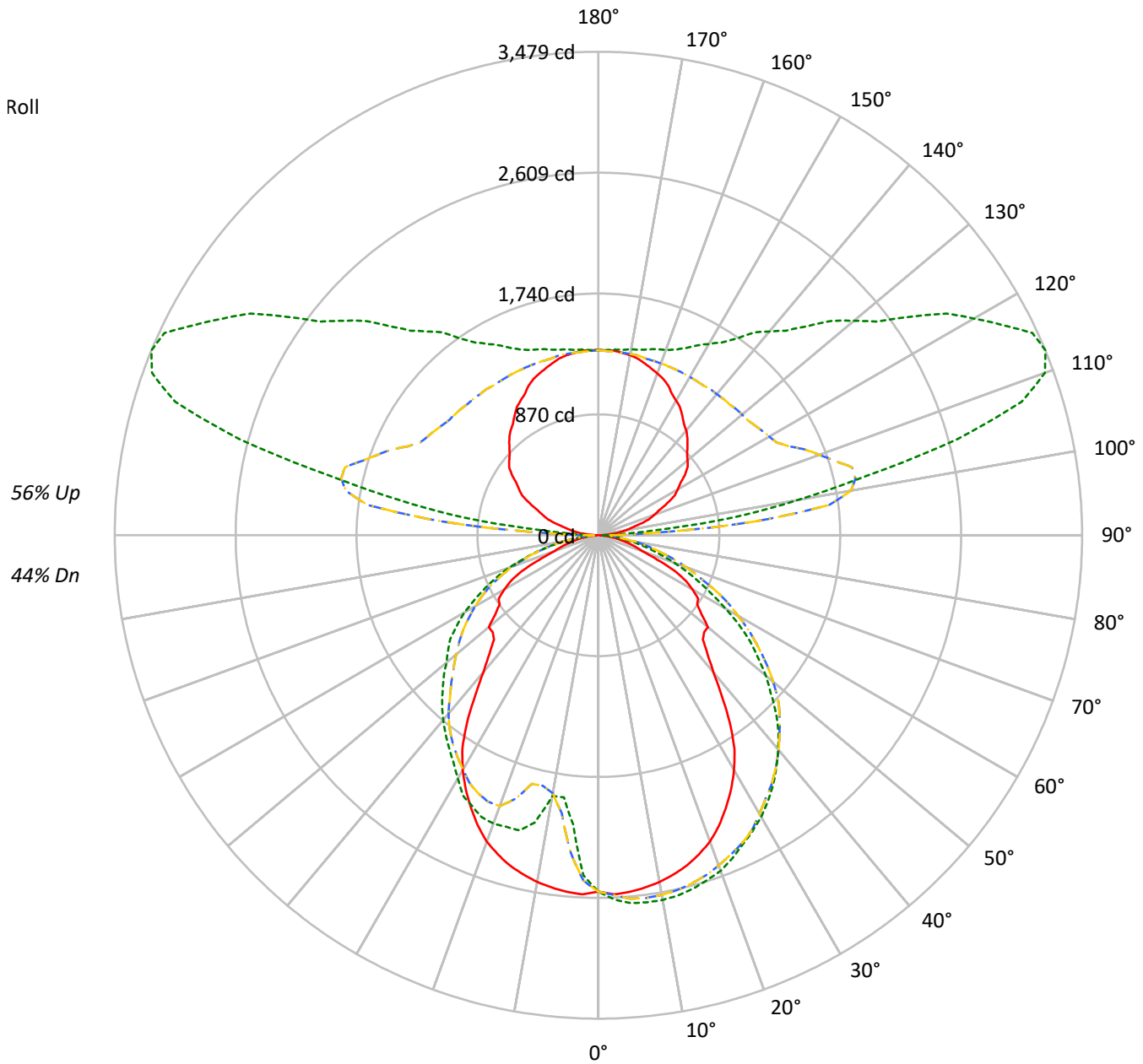
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15294.1 lumens
Efficiency: N/A
Efficacy: 122.5 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°	15866	15866	15866	15866
5°	15979	16016	15979	12593
10°	15866	15777	15866	11279
15°	15688	15435	15688	12888
20°	15354	15030	15354	12915
25°	14676	14439	14676	12642
30°	13802	13949	13802	12041
35°	12299	13329	12299	11380
40°	10242	12598	10242	10881
45°	9146	11744	9146	10308
50°	9708	10725	9708	9731
55°	9125	9626	9125	9398
60°	9395	8176	9395	8609
65°	8505	6758	8505	7555
70°	5875	5386	5875	6332
75°	5133	3982	5133	4768
80°	4108	2632	4108	2866
85°	2313	1393	2313	1185

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 14026 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	231.5	1.5
10°-20°	657.3	4.3
20°-30°	1016.1	6.6
30°-40°	1213.0	7.9
40°-50°	1220.1	8.0
50°-60°	1061.7	6.9
60°-70°	752.7	4.9
70°-80°	398.2	2.6
80°-90°	104.3	0.7
90°-100°	649.6	4.2
100°-110°	1707.8	11.2
110°-120°	1770.8	11.6
120°-130°	1420.4	9.3
130°-140°	1114.5	7.3
140°-150°	855.5	5.6
150°-160°	616.1	4.0
160°-170°	376.9	2.5
170°-180°	127.4	0.8
0°-30°	1905.0	12.5
0°-40°	3118.0	20.4
0°-60°	5399.8	35.3
0°-90°	6655.0	43.5
90°-120°	4128.3	27.0
90°-150°	7518.7	49.2
90°-180°	8639.0	56.5
0°-180°	15294.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2565	2565	2565	2565	2565	
5°	2577	2657	2577	2089	2577	244
15°	2460	2633	2460	2198	2460	692
25°	2167	2456	2167	2150	2167	995
35°	1648	2191	1648	1871	1648	1019
45°	1063	1805	1063	1584	1063	851
55°	866	1332	866	1300	866	796
65°	602	803	602	898	602	575
75°	228	381	228	456	228	240
85°	39	97	39	82	39	52
90°	9	34	9	34	9	9
95°	86	393	86	393	86	95
105°	308	2674	308	2674	308	326
115°	546	3443	546	3443	546	540
125°	760	2742	760	2742	760	675
135°	906	2128	906	2128	906	701
145°	1051	1726	1051	1726	1051	658
155°	1188	1486	1188	1486	1188	546
165°	1282	1384	1282	1384	1282	362
175°	1333	1342	1333	1342	1333	127
180°	1333	1333	1333	1333	1333	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8
2.5°	2586.6	2586.6	2601.2	2606.0	2606.0	2598.7	2591.4	2598.7	2620.6	2627.9	2625.4
5°	2576.9	2596.3	2623.0	2627.9	2632.7	2630.2	2625.4	2630.2	2654.5	2659.4	2661.8
7.5°	2557.5	2593.8	2627.9	2635.1	2642.4	2635.1	2632.7	2637.5	2661.8	2666.7	2666.7
10°	2533.2	2584.2	2623.0	2627.9	2635.1	2627.9	2627.9	2637.5	2661.8	2666.7	2669.1
12.5°	2499.3	2569.6	2606.0	2610.8	2620.6	2618.1	2615.7	2625.4	2649.6	2654.5	2654.5
15°	2460.5	2542.9	2576.9	2581.8	2598.7	2593.8	2593.8	2603.6	2630.2	2637.5	2635.1
17.5°	2407.0	2508.9	2547.7	2555.0	2567.1	2564.8	2567.1	2576.9	2601.2	2606.0	2608.4
20°	2346.4	2462.8	2508.9	2516.2	2528.3	2528.3	2528.3	2540.5	2564.8	2574.4	2574.4
22.5°	2263.9	2414.3	2462.8	2467.7	2482.3	2482.3	2487.1	2504.1	2525.9	2528.3	2528.3
25°	2166.8	2360.9	2402.1	2416.8	2431.3	2438.6	2445.8	2455.6	2462.8	2460.5	2462.8
27.5°	2064.9	2293.0	2346.4	2356.1	2375.5	2382.7	2392.5	2394.9	2397.4	2404.6	2399.8
30°	1950.8	2198.3	2278.4	2288.1	2319.6	2324.5	2314.9	2319.6	2331.8	2336.7	2341.5
32.5°	1822.2	2057.6	2208.1	2229.9	2259.0	2244.5	2242.0	2249.3	2268.7	2268.7	2273.6
35°	1647.6	1948.4	2142.6	2162.0	2183.8	2166.8	2176.5	2178.9	2191.1	2198.3	2195.9
37.5°	1455.9	1853.8	2074.6	2089.1	2106.2	2084.3	2098.9	2106.2	2115.8	2111.0	2111.0
40°	1286.0	1705.8	1994.5	2004.3	2018.8	2001.8	2016.4	2021.3	2026.1	2021.3	2018.8
42.5°	1159.8	1543.2	1909.6	1921.8	1912.0	1924.1	1929.0	1938.8	1931.4	1921.8	1921.8
45°	1062.8	1499.6	1817.4	1832.0	1817.4	1836.9	1844.1	1844.1	1822.2	1817.4	1815.0
47.5°	1031.2	1412.2	1725.2	1725.2	1717.9	1742.2	1754.4	1737.3	1715.4	1708.2	1708.2
50°	1028.8	1315.2	1599.0	1589.4	1623.3	1652.4	1640.3	1623.3	1606.3	1579.6	1579.6
52.5°	934.2	1196.2	1436.5	1472.8	1526.3	1543.2	1523.8	1506.8	1477.7	1465.5	1455.9
55°	866.2	1072.4	1288.4	1361.2	1417.1	1438.9	1402.5	1385.5	1341.8	1334.6	1329.7
57.5°	851.7	892.9	1152.6	1244.8	1312.7	1310.3	1288.4	1256.9	1220.5	1213.3	1210.8
60°	781.3	645.4	1007.0	1116.1	1186.5	1179.2	1159.8	1130.8	1096.7	1091.9	1087.1
62.5°	708.5	468.3	841.9	965.8	1065.2	1062.8	1045.8	1002.1	977.9	965.8	956.0
65°	601.8	393.1	599.3	803.1	946.3	951.1	914.8	883.2	856.6	841.9	839.6
67.5°	458.6	320.3	405.2	669.7	832.3	827.4	781.3	766.7	732.8	725.5	711.0
70°	339.7	213.6	281.4	543.5	720.6	708.5	672.2	655.1	623.6	606.6	596.9
72.5°	281.4	172.3	206.2	422.2	606.6	592.1	560.5	541.1	514.4	499.9	490.1
75°	228.1	182.0	157.7	313.0	492.5	482.9	453.7	434.3	412.5	393.1	395.5
77.5°	167.4	169.9	126.2	230.5	390.6	376.1	359.1	334.9	325.1	305.7	305.7
80°	126.2	133.5	94.6	157.7	281.4	281.4	266.9	249.9	233.0	223.2	223.2
82.5°	84.9	84.9	70.4	99.5	191.7	184.4	174.7	169.9	160.1	155.3	155.3
85°	38.8	48.6	43.7	60.7	104.3	109.2	109.2	104.3	101.9	97.0	99.5
87.5°	12.1	21.8	26.7	33.9	53.3	55.8	58.2	58.2	58.2	60.7	60.7
90°	9.0	16.2	23.2	25.0	39.4	58.4	68.0	60.4	45.3	34.0	34.0
92.5°	35.8	96.6	157.5	172.7	242.7	336.1	382.8	335.5	240.9	170.0	163.2
95°	85.8	197.1	308.5	336.3	597.2	945.0	1118.9	998.4	757.5	576.9	556.4
97.5°	148.5	246.6	344.8	369.4	804.4	1384.4	1674.3	1598.2	1446.0	1331.8	1292.8
100°	196.7	285.8	374.8	397.1	879.8	1523.4	1845.2	1850.7	1861.9	1870.2	1823.9
102.5°	237.9	321.0	404.1	424.8	914.4	1567.1	1893.5	1990.4	2184.4	2329.9	2290.1
105°	307.6	378.0	448.4	466.0	940.0	1572.0	1888.1	2105.5	2540.4	2866.6	2845.2
107.5°	379.2	444.8	510.4	526.8	944.7	1502.1	1780.7	2084.1	2690.7	3145.6	3150.8
110°	427.5	486.8	546.0	560.8	937.6	1440.0	1691.3	2030.4	2708.5	3217.1	3239.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	474.9	531.3	587.7	601.9	937.9	1385.9	1609.9	1956.9	2651.0	3171.5	3205.8
115°	546.4	598.6	650.7	663.7	946.5	1323.8	1512.4	1846.7	2515.3	3016.8	3064.2
117.5°	617.1	664.4	711.7	723.6	964.2	1285.0	1445.4	1747.1	2350.4	2803.0	2855.6
120°	658.3	702.9	747.4	758.5	978.5	1271.9	1418.5	1694.2	2245.5	2659.0	2710.1
122.5°	698.5	743.5	788.4	799.6	999.0	1265.0	1398.0	1646.2	2142.7	2515.0	2565.4
125°	760.2	801.1	842.1	852.4	1026.7	1259.3	1375.6	1586.5	2008.2	2324.5	2370.9
127.5°	810.3	851.6	893.0	903.3	1054.5	1256.0	1356.8	1537.8	1900.0	2171.6	2210.8
130°	837.2	881.7	926.3	937.4	1074.8	1258.1	1349.7	1510.9	1833.2	2075.0	2111.1
132.5°	864.9	909.4	954.0	965.1	1091.2	1259.3	1343.4	1487.6	1776.2	1992.7	2025.1
135°	906.0	946.5	987.2	997.3	1109.1	1258.1	1332.7	1453.5	1695.2	1876.4	1904.4
137.5°	948.1	988.2	1028.4	1038.4	1135.9	1265.8	1330.8	1433.0	1637.3	1790.6	1813.4
140°	983.0	1020.0	1056.9	1066.1	1152.3	1267.2	1324.6	1412.9	1589.4	1721.8	1743.1
142.5°	1009.7	1044.0	1078.2	1086.7	1166.0	1271.8	1324.6	1402.2	1557.1	1673.4	1691.7
145°	1050.9	1080.8	1110.6	1118.0	1183.9	1271.8	1315.6	1379.0	1505.9	1601.0	1614.9
147.5°	1092.0	1121.1	1150.1	1157.3	1210.1	1280.5	1315.6	1365.6	1465.3	1540.1	1551.7
150°	1118.9	1145.1	1171.3	1177.9	1223.8	1285.1	1315.6	1357.8	1442.0	1505.2	1514.6
152.5°	1146.6	1166.5	1186.4	1191.4	1232.8	1288.0	1315.6	1351.6	1423.6	1477.5	1484.6
155°	1187.7	1202.5	1217.2	1220.8	1252.5	1294.6	1315.6	1344.2	1401.5	1444.4	1449.1
157.5°	1218.1	1232.5	1246.8	1250.4	1272.1	1301.1	1315.6	1337.9	1382.5	1415.8	1419.1
160°	1238.8	1249.9	1261.0	1263.7	1281.0	1304.1	1315.6	1334.8	1372.9	1401.5	1403.4
162.5°	1259.3	1267.7	1276.0	1278.1	1290.6	1307.3	1315.6	1331.7	1363.9	1388.1	1389.9
165°	1281.7	1289.3	1296.7	1298.6	1304.3	1311.8	1315.6	1327.2	1350.3	1367.6	1369.5
167.5°	1302.3	1305.8	1309.4	1310.3	1315.1	1321.5	1324.6	1332.2	1347.3	1358.6	1359.3
170°	1315.6	1319.2	1322.8	1323.7	1324.0	1324.4	1324.6	1332.2	1347.3	1358.6	1358.6
172.5°	1322.8	1323.6	1324.4	1324.6	1324.6	1324.6	1324.6	1330.6	1342.5	1351.4	1350.7
175°	1332.7	1332.7	1332.7	1332.7	1330.0	1326.4	1324.6	1328.4	1335.9	1341.6	1341.6
177.5°	1332.7	1332.7	1332.7	1332.7	1330.6	1327.8	1326.4	1329.3	1335.3	1339.8	1339.1
180°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8
2.5°	2630.2	2623.0	2630.2	2625.4	2627.9	2620.6	2598.7	2591.4	2598.7	2606.0	2606.0
5°	2661.8	2656.9	2661.8	2661.8	2659.4	2654.5	2630.2	2625.4	2630.2	2632.7	2627.9
7.5°	2671.5	2664.3	2671.5	2666.7	2666.7	2661.8	2637.5	2632.7	2635.1	2642.4	2635.1
10°	2671.5	2664.3	2671.5	2669.1	2666.7	2661.8	2637.5	2627.9	2627.9	2635.1	2627.9
12.5°	2659.4	2654.5	2659.4	2654.5	2654.5	2649.6	2625.4	2615.7	2618.1	2620.6	2610.8
15°	2640.0	2632.7	2640.0	2635.1	2637.5	2630.2	2603.6	2593.8	2593.8	2598.7	2581.8
17.5°	2610.8	2601.2	2610.8	2608.4	2606.0	2601.2	2576.9	2567.1	2564.8	2567.1	2555.0
20°	2576.9	2569.6	2576.9	2574.4	2574.4	2564.8	2540.5	2528.3	2528.3	2528.3	2516.2
22.5°	2523.5	2516.2	2523.5	2528.3	2528.3	2525.9	2504.1	2487.1	2482.3	2482.3	2467.7
25°	2462.8	2455.6	2462.8	2462.8	2460.5	2462.8	2455.6	2445.8	2438.6	2431.3	2416.8
27.5°	2404.6	2399.8	2404.6	2399.8	2404.6	2397.4	2394.9	2392.5	2382.7	2375.5	2356.1
30°	2346.4	2341.5	2346.4	2341.5	2336.7	2331.8	2319.6	2314.9	2324.5	2319.6	2288.1
32.5°	2273.6	2268.7	2273.6	2273.6	2268.7	2268.7	2249.3	2242.0	2244.5	2259.0	2229.9
35°	2198.3	2191.1	2198.3	2195.9	2198.3	2191.1	2178.9	2176.5	2166.8	2183.8	2162.0
37.5°	2111.0	2103.7	2111.0	2111.0	2111.0	2115.8	2106.2	2098.9	2084.3	2106.2	2089.1
40°	2021.3	2011.5	2021.3	2018.8	2021.3	2026.1	2021.3	2016.4	2001.8	2018.8	2004.3
42.5°	1919.4	1916.9	1919.4	1921.8	1921.8	1931.4	1938.8	1929.0	1924.1	1912.0	1921.8
45°	1810.1	1805.3	1810.1	1815.0	1817.4	1822.2	1844.1	1844.1	1836.9	1817.4	1832.0
47.5°	1693.6	1681.5	1693.6	1708.2	1708.2	1715.4	1737.3	1754.4	1742.2	1717.9	1725.2
50°	1569.9	1572.3	1569.9	1579.6	1579.6	1606.3	1623.3	1640.3	1652.4	1623.3	1589.4
52.5°	1448.6	1446.1	1448.6	1455.9	1465.5	1477.7	1506.8	1523.8	1543.2	1526.3	1472.8
55°	1327.2	1332.1	1327.2	1329.7	1334.6	1341.8	1385.5	1402.5	1438.9	1417.1	1361.2
57.5°	1205.9	1198.6	1205.9	1210.8	1213.3	1220.5	1256.9	1288.4	1310.3	1312.7	1244.8
60°	1065.2	1055.5	1065.2	1087.1	1091.9	1096.7	1130.8	1159.8	1179.2	1186.5	1116.1
62.5°	941.5	924.5	941.5	956.0	965.8	977.9	1002.1	1045.8	1062.8	1065.2	965.8
65°	810.4	803.1	810.4	839.6	841.9	856.6	883.2	914.8	951.1	946.3	803.1
67.5°	691.6	691.6	691.6	711.0	725.5	732.8	766.7	781.3	827.4	832.3	669.7
70°	582.3	579.9	582.3	596.9	606.6	623.6	655.1	672.2	708.5	720.6	543.5
72.5°	478.0	475.6	478.0	490.1	499.9	514.4	541.1	560.5	592.1	606.6	422.2
75°	385.8	381.0	385.8	395.5	393.1	412.5	434.3	453.7	482.9	492.5	313.0
77.5°	296.1	296.1	296.1	305.7	305.7	325.1	334.9	359.1	376.1	390.6	230.5
80°	220.8	218.4	220.8	223.2	223.2	233.0	249.9	266.9	281.4	281.4	157.7
82.5°	155.3	150.5	155.3	155.3	155.3	160.1	169.9	174.7	184.4	191.7	99.5
85°	97.0	97.0	97.0	99.5	97.0	101.9	104.3	109.2	109.2	104.3	60.7
87.5°	63.1	60.7	63.1	60.7	60.7	58.2	58.2	58.2	55.8	53.3	33.9
90°	34.0	34.0	34.0	34.0	34.0	45.3	60.4	68.0	58.4	39.4	25.0
92.5°	136.1	109.1	136.1	163.2	170.0	240.9	335.5	382.8	336.1	242.7	172.7
95°	474.5	392.6	474.5	556.4	576.9	757.5	998.4	1118.9	945.0	597.2	336.3
97.5°	1137.0	981.1	1137.0	1292.8	1331.8	1446.0	1598.2	1674.3	1384.4	804.4	369.4
100°	1638.2	1452.5	1638.2	1823.9	1870.2	1861.9	1850.7	1845.2	1523.4	879.8	397.1
102.5°	2131.1	1972.1	2131.1	2290.1	2329.9	2184.4	1990.4	1893.5	1567.1	914.4	424.8
105°	2759.7	2674.2	2759.7	2845.2	2866.6	2540.4	2105.5	1888.1	1572.0	940.0	466.0
107.5°	3171.4	3192.1	3171.4	3150.8	3145.6	2690.7	2084.1	1780.7	1502.1	944.7	526.8
110°	3328.4	3417.5	3328.4	3239.4	3217.1	2708.5	2030.4	1691.3	1440.0	937.6	560.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3342.5	3479.2	3342.5	3205.8	3171.5	2651.0	1956.9	1609.9	1385.9	937.9	601.9
115°	3253.7	3443.4	3253.7	3064.2	3016.8	2515.3	1846.7	1512.4	1323.8	946.5	663.7
117.5°	3065.9	3276.2	3065.9	2855.6	2803.0	2350.4	1747.1	1445.4	1285.0	964.2	723.6
120°	2914.5	3118.8	2914.5	2710.1	2659.0	2245.5	1694.2	1418.5	1271.9	978.5	758.5
122.5°	2767.0	2968.5	2767.0	2565.4	2515.0	2142.7	1646.2	1398.0	1265.0	999.0	799.6
125°	2556.5	2742.2	2556.5	2370.9	2324.5	2008.2	1586.5	1375.6	1259.3	1026.7	852.4
127.5°	2367.3	2524.0	2367.3	2210.8	2171.6	1900.0	1537.8	1356.8	1256.0	1054.5	903.3
130°	2255.9	2400.5	2255.9	2111.1	2075.0	1833.2	1510.9	1349.7	1258.1	1074.8	937.4
132.5°	2154.6	2284.3	2154.6	2025.1	1992.7	1776.2	1487.6	1343.4	1259.3	1091.2	965.1
135°	2016.1	2127.8	2016.1	1904.4	1876.4	1695.2	1453.5	1332.7	1258.1	1109.1	997.3
137.5°	1904.9	1996.3	1904.9	1813.4	1790.6	1637.3	1433.0	1330.8	1265.8	1135.9	1038.4
140°	1828.5	1914.0	1828.5	1743.1	1721.8	1589.4	1412.9	1324.6	1267.2	1152.3	1066.1
142.5°	1765.3	1838.9	1765.3	1691.7	1673.4	1557.1	1402.2	1324.6	1271.8	1166.0	1086.7
145°	1670.5	1726.2	1670.5	1614.9	1601.0	1505.9	1379.0	1315.6	1271.8	1183.9	1118.0
147.5°	1597.8	1643.9	1597.8	1551.7	1540.1	1465.3	1365.6	1315.6	1280.5	1210.1	1157.3
150°	1552.0	1589.4	1552.0	1514.6	1505.2	1442.0	1357.8	1315.6	1285.1	1223.8	1177.9
152.5°	1512.8	1541.1	1512.8	1484.6	1477.5	1423.6	1351.6	1315.6	1288.0	1232.8	1191.4
155°	1467.7	1486.5	1467.7	1449.1	1444.4	1401.5	1344.2	1315.6	1294.6	1252.5	1220.8
157.5°	1432.3	1445.4	1432.3	1419.1	1415.8	1382.5	1337.9	1315.6	1301.1	1272.1	1250.4
160°	1411.0	1418.5	1411.0	1403.4	1401.5	1372.9	1334.8	1315.6	1304.1	1281.0	1263.7
162.5°	1397.0	1404.2	1397.0	1389.9	1388.1	1363.9	1331.7	1315.6	1307.3	1290.6	1278.1
165°	1376.9	1384.5	1376.9	1369.5	1367.6	1350.3	1327.2	1315.6	1311.8	1304.3	1298.6
167.5°	1362.6	1365.7	1362.6	1359.3	1358.6	1347.3	1332.2	1324.6	1321.5	1315.1	1310.3
170°	1358.6	1358.6	1358.6	1358.6	1358.6	1347.3	1332.2	1324.6	1324.4	1324.0	1323.7
172.5°	1348.0	1345.2	1348.0	1350.7	1351.4	1342.5	1330.6	1324.6	1324.6	1324.6	1324.6
175°	1341.6	1341.6	1341.6	1341.6	1341.6	1335.9	1328.4	1324.6	1326.4	1330.0	1332.7
177.5°	1335.8	1332.7	1335.8	1339.1	1339.8	1335.3	1329.3	1326.4	1327.8	1330.6	1332.7
180°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8
2.5°	2601.2	2586.6	2586.6	2562.4	2552.6	2545.4	2533.2	2496.8	2487.1	2477.4	2491.9
5°	2623.0	2596.3	2576.9	2533.2	2496.8	2482.3	2436.2	2348.8	2290.6	2246.9	2222.6
7.5°	2627.9	2593.8	2557.5	2489.5	2402.1	2363.3	2222.6	2062.5	2018.8	1980.0	1955.7
10°	2623.0	2584.2	2533.2	2431.3	2225.1	2157.1	2016.4	1912.0	1885.3	1878.1	1885.3
12.5°	2606.0	2569.6	2499.3	2329.4	2040.7	1994.5	1912.0	1851.4	1846.5	1858.7	1924.1
15°	2576.9	2542.9	2460.5	2193.5	1938.8	1904.7	1846.5	1824.7	1851.4	1936.3	2132.8
17.5°	2547.7	2508.9	2407.0	2060.1	1861.0	1836.9	1795.6	1839.2	1989.7	2103.7	2169.3
20°	2508.9	2462.8	2346.4	1963.0	1805.3	1783.4	1764.0	1960.6	2074.6	2115.8	2152.2
22.5°	2462.8	2414.3	2263.9	1895.1	1747.0	1730.1	1742.2	2028.5	2074.6	2103.7	2135.2
25°	2402.1	2360.9	2166.8	1841.6	1700.9	1681.5	1727.6	2021.3	2047.9	2055.2	2118.3
27.5°	2346.4	2293.0	2064.9	1793.2	1645.1	1637.8	1739.7	1989.7	2009.1	2016.4	2084.3
30°	2278.4	2198.3	1950.8	1742.2	1586.9	1584.5	1742.2	1950.8	1946.0	1965.4	2033.3
32.5°	2208.1	2057.6	1822.2	1679.1	1531.1	1528.6	1725.2	1892.6	1887.8	1914.5	1965.4
35°	2142.6	1948.4	1647.6	1606.3	1460.7	1463.2	1684.0	1824.7	1827.1	1851.4	1882.9
37.5°	2074.6	1853.8	1455.9	1526.3	1392.8	1392.8	1628.2	1761.6	1756.7	1764.0	1807.7
40°	1994.5	1705.8	1286.0	1421.9	1329.7	1322.4	1560.2	1693.6	1676.6	1674.2	1734.9
42.5°	1909.6	1543.2	1159.8	1283.6	1256.9	1247.2	1477.7	1611.1	1579.6	1586.9	1664.5
45°	1817.4	1499.6	1062.8	1084.6	1181.7	1174.4	1387.9	1516.5	1494.7	1514.1	1594.1
47.5°	1725.2	1412.2	1031.2	900.2	1101.6	1099.2	1288.4	1424.3	1412.2	1431.6	1516.5
50°	1599.0	1315.2	1028.8	771.6	1011.8	1021.5	1169.6	1334.6	1334.6	1351.5	1441.3
52.5°	1436.5	1196.2	934.2	698.8	907.5	936.6	1065.2	1256.9	1261.7	1278.7	1358.8
55°	1288.4	1072.4	866.2	643.0	783.7	846.8	963.3	1176.8	1186.5	1203.5	1276.3
57.5°	1152.6	892.9	851.7	577.5	669.7	730.4	873.5	1099.2	1104.0	1118.6	1189.0
60°	1007.0	645.4	781.3	507.2	570.3	616.3	791.0	1007.0	1024.0	1033.6	1094.3
62.5°	841.9	468.3	708.5	458.6	521.7	531.3	723.1	919.6	941.5	948.7	985.2
65°	599.3	393.1	601.8	417.4	470.7	473.1	650.3	829.8	849.2	861.4	888.1
67.5°	405.2	320.3	458.6	378.5	431.9	434.3	579.9	725.5	752.2	761.9	778.9
70°	281.4	213.6	339.7	337.3	388.2	393.1	504.7	630.9	655.1	662.4	672.2
72.5°	206.2	172.3	281.4	303.3	342.2	347.0	427.0	524.1	548.4	555.6	560.5
75°	157.7	182.0	228.1	264.5	291.2	293.6	349.4	427.0	444.1	448.9	451.3
77.5°	126.2	169.9	167.4	213.6	237.8	233.0	274.2	330.0	344.5	344.5	344.5
80°	94.6	133.5	126.2	152.9	174.7	169.9	196.6	235.4	240.2	245.0	242.6
82.5°	70.4	84.9	84.9	97.0	116.4	111.7	131.1	152.9	152.9	152.9	157.7
85°	43.7	48.6	38.8	51.0	65.5	63.1	72.8	82.5	84.9	84.9	80.1
87.5°	26.7	21.8	12.1	19.4	29.2	29.2	33.9	36.4	33.9	33.9	33.9
90°	23.2	16.2	9.0	16.2	23.2	25.0	39.4	58.4	68.0	60.4	45.3
92.5°	157.5	96.6	35.8	96.6	157.5	172.7	242.7	336.1	382.8	335.5	240.9
95°	308.5	197.1	85.8	197.1	308.5	336.3	597.2	945.0	1118.9	998.4	757.5
97.5°	344.8	246.6	148.5	246.6	344.8	369.4	804.4	1384.4	1674.3	1598.2	1446.0
100°	374.8	285.8	196.7	285.8	374.8	397.1	879.8	1523.4	1845.2	1850.7	1861.9
102.5°	404.1	321.0	237.9	321.0	404.1	424.8	914.4	1567.1	1893.5	1990.4	2184.4
105°	448.4	378.0	307.6	378.0	448.4	466.0	940.0	1572.0	1888.1	2105.5	2540.4
107.5°	510.4	444.8	379.2	444.8	510.4	526.8	944.7	1502.1	1780.7	2084.1	2690.7
110°	546.0	486.8	427.5	486.8	546.0	560.8	937.6	1440.0	1691.3	2030.4	2708.5



TEST NUMBER: P936111

CATALOG NUMBER: SQ4-FA-150U-125D-830-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	587.7	531.3	474.9	531.3	587.7	601.9	937.9	1385.9	1609.9	1956.9	2651.0
115°	650.7	598.6	546.4	598.6	650.7	663.7	946.5	1323.8	1512.4	1846.7	2515.3
117.5°	711.7	664.4	617.1	664.4	711.7	723.6	964.2	1285.0	1445.4	1747.1	2350.4
120°	747.4	702.9	658.3	702.9	747.4	758.5	978.5	1271.9	1418.5	1694.2	2245.5
122.5°	788.4	743.5	698.5	743.5	788.4	799.6	999.0	1265.0	1398.0	1646.2	2142.7
125°	842.1	801.1	760.2	801.1	842.1	852.4	1026.7	1259.3	1375.6	1586.5	2008.2
127.5°	893.0	851.6	810.3	851.6	893.0	903.3	1054.5	1256.0	1356.8	1537.8	1900.0
130°	926.3	881.7	837.2	881.7	926.3	937.4	1074.8	1258.1	1349.7	1510.9	1833.2
132.5°	954.0	909.4	864.9	909.4	954.0	965.1	1091.2	1259.3	1343.4	1487.6	1776.2
135°	987.2	946.5	906.0	946.5	987.2	997.3	1109.1	1258.1	1332.7	1453.5	1695.2
137.5°	1028.4	988.2	948.1	988.2	1028.4	1038.4	1135.9	1265.8	1330.8	1433.0	1637.3
140°	1056.9	1020.0	983.0	1020.0	1056.9	1066.1	1152.3	1267.2	1324.6	1412.9	1589.4
142.5°	1078.2	1044.0	1009.7	1044.0	1078.2	1086.7	1166.0	1271.8	1324.6	1402.2	1557.1
145°	1110.6	1080.8	1050.9	1080.8	1110.6	1118.0	1183.9	1271.8	1315.6	1379.0	1505.9
147.5°	1150.1	1121.1	1092.0	1121.1	1150.1	1157.3	1210.1	1280.5	1315.6	1365.6	1465.3
150°	1171.3	1145.1	1118.9	1145.1	1171.3	1177.9	1223.8	1285.1	1315.6	1357.8	1442.0
152.5°	1186.4	1166.5	1146.6	1166.5	1186.4	1191.4	1232.8	1288.0	1315.6	1351.6	1423.6
155°	1217.2	1202.5	1187.7	1202.5	1217.2	1220.8	1252.5	1294.6	1315.6	1344.2	1401.5
157.5°	1246.8	1232.5	1218.1	1232.5	1246.8	1250.4	1272.1	1301.1	1315.6	1337.9	1382.5
160°	1261.0	1249.9	1238.8	1249.9	1261.0	1263.7	1281.0	1304.1	1315.6	1334.8	1372.9
162.5°	1276.0	1267.7	1259.3	1267.7	1276.0	1278.1	1290.6	1307.3	1315.6	1331.7	1363.9
165°	1296.7	1289.3	1281.7	1289.3	1296.7	1298.6	1304.3	1311.8	1315.6	1327.2	1350.3
167.5°	1309.4	1305.8	1302.3	1305.8	1309.4	1310.3	1315.1	1321.5	1324.6	1332.2	1347.3
170°	1322.8	1319.2	1315.6	1319.2	1322.8	1323.7	1324.0	1324.4	1324.6	1332.2	1347.3
172.5°	1324.4	1323.6	1322.8	1323.6	1324.4	1324.6	1324.6	1324.6	1324.6	1330.6	1342.5
175°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1330.0	1326.4	1324.6	1328.4	1335.9
177.5°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1330.6	1327.8	1326.4	1329.3	1335.3
180°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7



TEST NUMBER: P936111
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8	2564.8
2.5°	2475.0	2467.7	2477.4	2450.7	2477.4	2467.7	2475.0	2491.9	2477.4	2487.1	2496.8
5°	2171.6	2159.5	2120.7	2089.1	2120.7	2159.5	2171.6	2222.6	2246.9	2290.6	2348.8
7.5°	1941.2	1931.4	1921.8	1902.3	1921.8	1931.4	1941.2	1955.7	1980.0	2018.8	2062.5
10°	1890.2	1892.6	1907.2	1904.7	1907.2	1892.6	1890.2	1885.3	1878.1	1885.3	1912.0
12.5°	2021.3	2043.1	2123.2	2118.3	2123.2	2043.1	2021.3	1924.1	1858.7	1846.5	1851.4
15°	2171.6	2178.9	2195.9	2198.3	2195.9	2178.9	2171.6	2132.8	1936.3	1851.4	1824.7
17.5°	2186.2	2188.7	2200.8	2200.8	2200.8	2188.7	2186.2	2169.3	2103.7	1989.7	1839.2
20°	2174.1	2178.9	2203.2	2208.1	2203.2	2178.9	2174.1	2152.2	2115.8	2074.6	1960.6
22.5°	2169.3	2178.9	2198.3	2195.9	2198.3	2178.9	2169.3	2135.2	2103.7	2074.6	2028.5
25°	2145.0	2145.0	2147.4	2149.9	2147.4	2145.0	2145.0	2118.3	2055.2	2047.9	2021.3
27.5°	2094.0	2098.9	2113.4	2111.0	2113.4	2098.9	2094.0	2084.3	2016.4	2009.1	1989.7
30°	2047.9	2043.1	2030.9	2021.3	2030.9	2043.1	2047.9	2033.3	1965.4	1946.0	1950.8
32.5°	1970.3	1958.2	1946.0	1938.8	1946.0	1958.2	1970.3	1965.4	1914.5	1887.8	1892.6
35°	1878.1	1880.5	1878.1	1870.8	1878.1	1880.5	1878.1	1882.9	1851.4	1827.1	1824.7
37.5°	1812.6	1817.4	1815.0	1805.3	1815.0	1817.4	1812.6	1807.7	1764.0	1756.7	1761.6
40°	1744.6	1747.0	1744.6	1737.3	1744.6	1747.0	1744.6	1734.9	1674.2	1676.6	1693.6
42.5°	1679.1	1676.6	1669.4	1664.5	1669.4	1676.6	1679.1	1664.5	1586.9	1579.6	1611.1
45°	1603.9	1606.3	1591.7	1584.5	1591.7	1606.3	1603.9	1594.1	1514.1	1494.7	1516.5
47.5°	1528.6	1528.6	1516.5	1509.2	1516.5	1528.6	1528.6	1516.5	1431.6	1412.2	1424.3
50°	1448.6	1446.1	1429.2	1426.7	1429.2	1446.1	1448.6	1441.3	1351.5	1334.6	1334.6
52.5°	1356.4	1356.4	1358.8	1363.6	1358.8	1356.4	1356.4	1358.8	1278.7	1261.7	1256.9
55°	1276.3	1278.7	1295.8	1300.5	1295.8	1278.7	1276.3	1276.3	1203.5	1186.5	1176.8
57.5°	1193.9	1193.9	1205.9	1205.9	1205.9	1193.9	1193.9	1189.0	1118.6	1104.0	1099.2
60°	1099.2	1104.0	1113.7	1111.4	1113.7	1104.0	1099.2	1094.3	1033.6	1024.0	1007.0
62.5°	999.7	1004.6	1007.0	1002.1	1007.0	1004.6	999.7	985.2	948.7	941.5	919.6
65°	895.4	900.2	902.7	897.8	902.7	900.2	895.4	888.1	861.4	849.2	829.8
67.5°	788.6	786.1	783.7	793.5	783.7	786.1	788.6	778.9	761.9	752.2	725.5
70°	679.4	679.4	676.9	681.8	676.9	679.4	679.4	672.2	662.4	655.1	630.9
72.5°	562.9	560.5	570.3	562.9	570.3	560.5	562.9	560.5	555.6	548.4	524.1
75°	448.9	453.7	448.9	456.2	448.9	453.7	448.9	451.3	448.9	444.1	427.0
77.5°	342.2	347.0	342.2	342.2	342.2	347.0	342.2	344.5	344.5	344.5	330.0
80°	242.6	240.2	240.2	237.8	240.2	240.2	242.6	242.6	245.0	240.2	235.4
82.5°	155.3	152.9	152.9	157.7	152.9	152.9	155.3	157.7	152.9	152.9	152.9
85°	84.9	87.4	82.5	82.5	82.5	87.4	84.9	80.1	84.9	84.9	82.5
87.5°	31.5	29.2	29.2	29.2	29.2	29.2	31.5	33.9	33.9	33.9	36.4
90°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	45.3	60.4	68.0	58.4
92.5°	170.0	163.2	136.1	109.1	136.1	163.2	170.0	240.9	335.5	382.8	336.1
95°	576.9	556.4	474.5	392.6	474.5	556.4	576.9	757.5	998.4	1118.9	945.0
97.5°	1331.8	1292.8	1137.0	981.1	1137.0	1292.8	1331.8	1446.0	1598.2	1674.3	1384.4
100°	1870.2	1823.9	1638.2	1452.5	1638.2	1823.9	1870.2	1861.9	1850.7	1845.2	1523.4
102.5°	2329.9	2290.1	2131.1	1972.1	2131.1	2290.1	2329.9	2184.4	1990.4	1893.5	1567.1
105°	2866.6	2845.2	2759.7	2674.2	2759.7	2845.2	2866.6	2540.4	2105.5	1888.1	1572.0
107.5°	3145.6	3150.8	3171.4	3192.1	3171.4	3150.8	3145.6	2690.7	2084.1	1780.7	1502.1
110°	3217.1	3239.4	3328.4	3417.5	3328.4	3239.4	3217.1	2708.5	2030.4	1691.3	1440.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3171.5	3205.8	3342.5	3479.2	3342.5	3205.8	3171.5	2651.0	1956.9	1609.9	1385.9
115°	3016.8	3064.2	3253.7	3443.4	3253.7	3064.2	3016.8	2515.3	1846.7	1512.4	1323.8
117.5°	2803.0	2855.6	3065.9	3276.2	3065.9	2855.6	2803.0	2350.4	1747.1	1445.4	1285.0
120°	2659.0	2710.1	2914.5	3118.8	2914.5	2710.1	2659.0	2245.5	1694.2	1418.5	1271.9
122.5°	2515.0	2565.4	2767.0	2968.5	2767.0	2565.4	2515.0	2142.7	1646.2	1398.0	1265.0
125°	2324.5	2370.9	2556.5	2742.2	2556.5	2370.9	2324.5	2008.2	1586.5	1375.6	1259.3
127.5°	2171.6	2210.8	2367.3	2524.0	2367.3	2210.8	2171.6	1900.0	1537.8	1356.8	1256.0
130°	2075.0	2111.1	2255.9	2400.5	2255.9	2111.1	2075.0	1833.2	1510.9	1349.7	1258.1
132.5°	1992.7	2025.1	2154.6	2284.3	2154.6	2025.1	1992.7	1776.2	1487.6	1343.4	1259.3
135°	1876.4	1904.4	2016.1	2127.8	2016.1	1904.4	1876.4	1695.2	1453.5	1332.7	1258.1
137.5°	1790.6	1813.4	1904.9	1996.3	1904.9	1813.4	1790.6	1637.3	1433.0	1330.8	1265.8
140°	1721.8	1743.1	1828.5	1914.0	1828.5	1743.1	1721.8	1589.4	1412.9	1324.6	1267.2
142.5°	1673.4	1691.7	1765.3	1838.9	1765.3	1691.7	1673.4	1557.1	1402.2	1324.6	1271.8
145°	1601.0	1614.9	1670.5	1726.2	1670.5	1614.9	1601.0	1505.9	1379.0	1315.6	1271.8
147.5°	1540.1	1551.7	1597.8	1643.9	1597.8	1551.7	1540.1	1465.3	1365.6	1315.6	1280.5
150°	1505.2	1514.6	1552.0	1589.4	1552.0	1514.6	1505.2	1442.0	1357.8	1315.6	1285.1
152.5°	1477.5	1484.6	1512.8	1541.1	1512.8	1484.6	1477.5	1423.6	1351.6	1315.6	1288.0
155°	1444.4	1449.1	1467.7	1486.5	1467.7	1449.1	1444.4	1401.5	1344.2	1315.6	1294.6
157.5°	1415.8	1419.1	1432.3	1445.4	1432.3	1419.1	1415.8	1382.5	1337.9	1315.6	1301.1
160°	1401.5	1403.4	1411.0	1418.5	1411.0	1403.4	1401.5	1372.9	1334.8	1315.6	1304.1
162.5°	1388.1	1389.9	1397.0	1404.2	1397.0	1389.9	1388.1	1363.9	1331.7	1315.6	1307.3
165°	1367.6	1369.5	1376.9	1384.5	1376.9	1369.5	1367.6	1350.3	1327.2	1315.6	1311.8
167.5°	1358.6	1359.3	1362.6	1365.7	1362.6	1359.3	1358.6	1347.3	1332.2	1324.6	1321.5
170°	1358.6	1358.6	1358.6	1358.6	1358.6	1358.6	1358.6	1347.3	1332.2	1324.6	1324.4
172.5°	1351.4	1350.7	1348.0	1345.2	1348.0	1350.7	1351.4	1342.5	1330.6	1324.6	1324.6
175°	1341.6	1341.6	1341.6	1341.6	1341.6	1341.6	1341.6	1335.9	1328.4	1324.6	1326.4
177.5°	1339.8	1339.1	1335.8	1332.7	1335.8	1339.1	1339.8	1335.3	1329.3	1326.4	1327.8
180°	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7	1332.7



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2564.8	2564.8	2564.8	2564.8	2564.8
2.5°	2533.2	2545.4	2552.6	2562.4	2586.6
5°	2436.2	2482.3	2496.8	2533.2	2576.9
7.5°	2222.6	2363.3	2402.1	2489.5	2557.5
10°	2016.4	2157.1	2225.1	2431.3	2533.2
12.5°	1912.0	1994.5	2040.7	2329.4	2499.3
15°	1846.5	1904.7	1938.8	2193.5	2460.5
17.5°	1795.6	1836.9	1861.0	2060.1	2407.0
20°	1764.0	1783.4	1805.3	1963.0	2346.4
22.5°	1742.2	1730.1	1747.0	1895.1	2263.9
25°	1727.6	1681.5	1700.9	1841.6	2166.8
27.5°	1739.7	1637.8	1645.1	1793.2	2064.9
30°	1742.2	1584.5	1586.9	1742.2	1950.8
32.5°	1725.2	1528.6	1531.1	1679.1	1822.2
35°	1684.0	1463.2	1460.7	1606.3	1647.6
37.5°	1628.2	1392.8	1392.8	1526.3	1455.9
40°	1560.2	1322.4	1329.7	1421.9	1286.0
42.5°	1477.7	1247.2	1256.9	1283.6	1159.8
45°	1387.9	1174.4	1181.7	1084.6	1062.8
47.5°	1288.4	1099.2	1101.6	900.2	1031.2
50°	1169.6	1021.5	1011.8	771.6	1028.8
52.5°	1065.2	936.6	907.5	698.8	934.2
55°	963.3	846.8	783.7	643.0	866.2
57.5°	873.5	730.4	669.7	577.5	851.7
60°	791.0	616.3	570.3	507.2	781.3
62.5°	723.1	531.3	521.7	458.6	708.5
65°	650.3	473.1	470.7	417.4	601.8
67.5°	579.9	434.3	431.9	378.5	458.6
70°	504.7	393.1	388.2	337.3	339.7
72.5°	427.0	347.0	342.2	303.3	281.4
75°	349.4	293.6	291.2	264.5	228.1
77.5°	274.2	233.0	237.8	213.6	167.4
80°	196.6	169.9	174.7	152.9	126.2
82.5°	131.1	111.7	116.4	97.0	84.9
85°	72.8	63.1	65.5	51.0	38.8
87.5°	33.9	29.2	29.2	19.4	12.1
90°	39.4	25.0	23.2	16.2	9.0
92.5°	242.7	172.7	157.5	96.6	35.8
95°	597.2	336.3	308.5	197.1	85.8
97.5°	804.4	369.4	344.8	246.6	148.5
100°	879.8	397.1	374.8	285.8	196.7
102.5°	914.4	424.8	404.1	321.0	237.9
105°	940.0	466.0	448.4	378.0	307.6
107.5°	944.7	526.8	510.4	444.8	379.2
110°	937.6	560.8	546.0	486.8	427.5



TEST NUMBER: P936111

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	937.9	601.9	587.7	531.3	474.9
115°	946.5	663.7	650.7	598.6	546.4
117.5°	964.2	723.6	711.7	664.4	617.1
120°	978.5	758.5	747.4	702.9	658.3
122.5°	999.0	799.6	788.4	743.5	698.5
125°	1026.7	852.4	842.1	801.1	760.2
127.5°	1054.5	903.3	893.0	851.6	810.3
130°	1074.8	937.4	926.3	881.7	837.2
132.5°	1091.2	965.1	954.0	909.4	864.9
135°	1109.1	997.3	987.2	946.5	906.0
137.5°	1135.9	1038.4	1028.4	988.2	948.1
140°	1152.3	1066.1	1056.9	1020.0	983.0
142.5°	1166.0	1086.7	1078.2	1044.0	1009.7
145°	1183.9	1118.0	1110.6	1080.8	1050.9
147.5°	1210.1	1157.3	1150.1	1121.1	1092.0
150°	1223.8	1177.9	1171.3	1145.1	1118.9
152.5°	1232.8	1191.4	1186.4	1166.5	1146.6
155°	1252.5	1220.8	1217.2	1202.5	1187.7
157.5°	1272.1	1250.4	1246.8	1232.5	1218.1
160°	1281.0	1263.7	1261.0	1249.9	1238.8
162.5°	1290.6	1278.1	1276.0	1267.7	1259.3
165°	1304.3	1298.6	1296.7	1289.3	1281.7
167.5°	1315.1	1310.3	1309.4	1305.8	1302.3
170°	1324.0	1323.7	1322.8	1319.2	1315.6
172.5°	1324.6	1324.6	1324.4	1323.6	1322.8
175°	1330.0	1332.7	1332.7	1332.7	1332.7
177.5°	1330.6	1332.7	1332.7	1332.7	1332.7
180°	1332.7	1332.7	1332.7	1332.7	1332.7



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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	13.78	14.58	14.79	15.60	16.96	16.60	17.41	17.61	18.43	19.79
	3H	14.25	14.97	15.27	16.00	17.38	17.94	18.66	18.96	19.69	21.07
	4H	14.44	15.12	15.47	16.15	17.54	18.38	19.06	19.41	20.10	21.48
	6H	14.55	15.18	15.60	16.22	17.62	18.66	19.29	19.70	20.33	21.73
	8H	14.55	15.15	15.60	16.20	17.60	18.73	19.33	19.78	20.38	21.78
	12H	14.52	15.09	15.58	16.14	17.56	18.77	19.34	19.82	20.38	21.81
4H	2H	14.80	15.48	15.84	16.52	17.90	17.00	17.69	18.04	18.72	20.11
	3H	15.82	16.39	16.87	17.45	18.85	18.50	19.07	19.55	20.13	21.53
	4H	16.10	16.62	17.15	17.67	19.09	19.03	19.55	20.08	20.60	22.02
	6H	16.22	16.67	17.28	17.74	19.16	19.39	19.84	20.45	20.91	22.33
	8H	16.22	16.64	17.29	17.71	19.14	19.49	19.91	20.56	20.98	22.41
	12H	16.19	16.57	17.27	17.65	19.09	19.54	19.92	20.63	21.00	22.44
8H	4H	16.54	16.96	17.61	18.03	19.46	19.15	19.56	20.21	20.63	22.07
	6H	16.80	17.15	17.89	18.26	19.69	19.58	19.92	20.67	21.03	22.47
	8H	16.85	17.15	17.94	18.24	19.69	19.73	20.03	20.83	21.13	22.58
	12H	16.83	17.09	17.93	18.18	19.67	19.82	20.09	20.92	21.18	22.67
12H	4H	16.55	16.93	17.63	18.01	19.45	19.11	19.49	20.19	20.57	22.01
	6H	16.86	17.17	17.96	18.26	19.71	19.58	19.88	20.67	20.97	22.42
	8H	16.93	17.19	18.03	18.28	19.77	19.73	20.00	20.83	21.09	22.58