

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: P934873

Luminaire Tested: SQ4-FA-075U-100D-940-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934873
REPORT IS A COMBINATION OF REPORTS P933713 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-100D-940-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

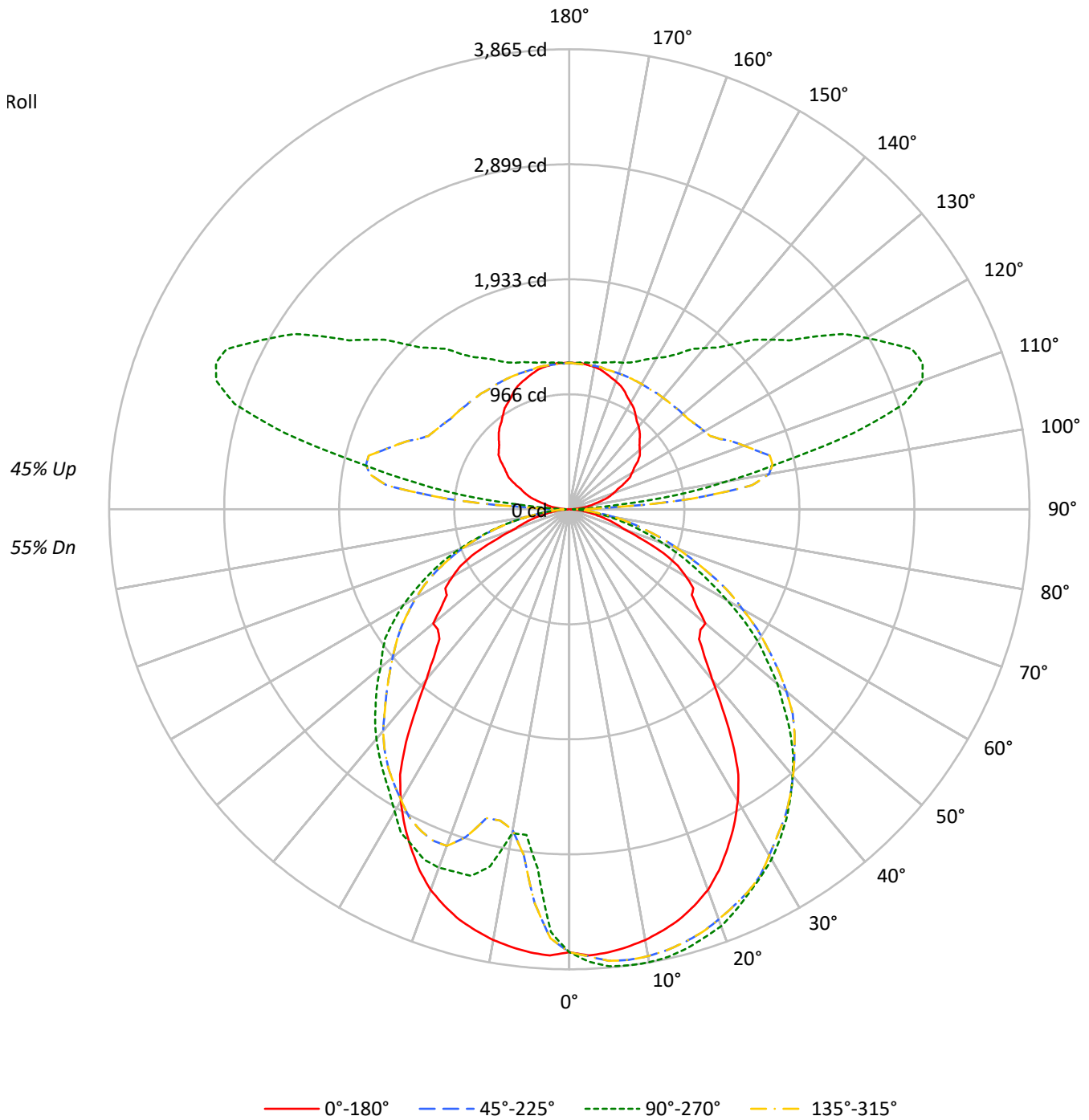
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17627.7 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 12' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 153.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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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	108	108	108	108	100	100	100	100	86	86	86	73	73	73	60	60	60	60	60	60	55
1	99	95	91	87	92	88	85	82	76	73	71	64	62	61	54	52	51	54	52	51	46
2	90	83	76	71	83	77	72	67	66	62	59	56	53	51	47	45	43	47	45	43	39
3	82	73	65	59	76	68	61	56	58	53	49	50	46	43	42	39	37	42	39	37	33
4	75	64	56	50	69	60	53	47	52	46	42	44	40	37	37	34	32	37	34	32	28
5	69	57	49	43	64	54	46	41	46	41	36	40	35	32	34	30	28	34	30	28	24
6	64	51	43	37	59	48	41	35	42	36	32	36	31	28	30	27	24	30	27	24	21
7	59	46	38	33	54	43	36	31	38	32	28	33	28	25	28	24	21	28	24	21	19
8	55	42	34	29	51	39	32	27	35	29	25	30	25	22	25	22	19	25	22	19	17
9	51	38	31	26	47	36	29	25	32	26	22	27	23	20	24	20	17	24	20	17	15
10	47	35	28	23	44	33	26	22	29	24	20	25	21	18	22	18	16	22	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	11507	11507	11507	11507
5°	11598	11616	11598	9134
10°	11524	11443	11524	8181
15°	11403	11195	11403	9348
20°	11169	10901	11169	9367
25°	10686	10473	10686	9169
30°	10059	10117	10059	8733
35°	8972	9667	8972	8254
40°	7480	9138	7480	7892
45°	6688	8518	6688	7476
50°	7111	7779	7111	7059
55°	6696	6982	6696	6817
60°	6912	5930	6912	6244
65°	6276	4902	6276	5479
70°	4357	3906	4357	4593
75°	3835	2888	3835	3458
80°	3113	1909	3113	2079
85°	1824	1011	1824	860

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 10244 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.8	1.9
10°-20°	953.5	5.4
20°-30°	1474.0	8.4
30°-40°	1759.6	10.0
40°-50°	1769.9	10.0
50°-60°	1540.0	8.7
60°-70°	1091.9	6.2
70°-80°	577.7	3.3
80°-90°	148.6	0.8
90°-100°	599.8	3.4
100°-110°	1576.9	8.9
110°-120°	1635.1	9.3
120°-130°	1311.5	7.4
130°-140°	1029.1	5.8
140°-150°	789.9	4.5
150°-160°	568.8	3.2
160°-170°	348.0	2.0
170°-180°	117.6	0.7
0°-30°	2763.3	15.7
0°-40°	4522.9	25.7
0°-60°	7832.9	44.4
0°-90°	9651.0	54.7
90°-120°	3811.7	21.6
90°-150°	6942.2	39.4
90°-180°	7977.0	45.3
0°-180°	17627.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3720	3720	3720	3720	3720	
5°	3738	3854	3738	3031	3738	355
15°	3569	3819	3569	3189	3569	1004
25°	3143	3562	3143	3118	3143	1443
35°	2390	3178	2390	2714	2390	1479
45°	1542	2619	1542	2298	1542	1235
55°	1256	1932	1256	1887	1256	1155
65°	873	1165	873	1302	873	834
75°	331	553	331	662	331	348
85°	56	141	56	120	56	76
90°	8	31	8	31	8	9
95°	79	363	79	363	79	88
105°	284	2469	284	2469	284	301
115°	505	3179	505	3179	505	498
125°	702	2532	702	2532	702	623
135°	837	1965	837	1965	837	647
145°	970	1594	970	1594	970	608
155°	1097	1372	1097	1372	1097	504
165°	1183	1278	1183	1278	1183	334
175°	1230	1239	1230	1239	1230	117
180°	1230	1230	1230	1230	1230	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4
2.5°	3752.1	3752.1	3773.2	3780.2	3780.2	3769.6	3759.1	3769.6	3801.4	3811.9	3808.4
5°	3738.0	3766.2	3804.9	3811.9	3818.9	3815.5	3808.4	3815.5	3850.6	3857.6	3861.2
7.5°	3709.8	3762.6	3811.9	3822.5	3833.1	3822.5	3818.9	3826.0	3861.2	3868.2	3868.2
10°	3674.6	3748.6	3804.9	3811.9	3822.5	3811.9	3811.9	3826.0	3861.2	3868.2	3871.8
12.5°	3625.3	3727.5	3780.2	3787.3	3801.4	3797.8	3794.3	3808.4	3843.6	3850.6	3850.6
15°	3569.0	3688.8	3738.0	3745.1	3769.6	3762.6	3762.6	3776.8	3815.5	3826.0	3822.5
17.5°	3491.6	3639.5	3695.8	3706.3	3723.9	3720.4	3723.9	3738.0	3773.2	3780.2	3783.8
20°	3403.6	3572.6	3639.5	3650.0	3667.6	3667.6	3667.6	3685.2	3720.4	3734.5	3734.5
22.5°	3283.9	3502.2	3572.6	3579.6	3600.8	3600.8	3607.8	3632.4	3664.1	3667.6	3667.6
25°	3143.2	3424.7	3484.6	3505.7	3526.8	3537.3	3547.9	3562.0	3572.6	3569.0	3572.6
27.5°	2995.3	3326.2	3403.6	3417.7	3445.9	3456.5	3470.5	3474.0	3477.5	3488.1	3481.0
30°	2829.9	3188.9	3305.0	3319.2	3364.9	3371.9	3357.9	3364.9	3382.5	3389.6	3396.6
32.5°	2643.3	2984.7	3203.0	3234.6	3276.9	3255.8	3252.3	3262.9	3291.0	3291.0	3298.0
35°	2390.0	2826.4	3108.0	3136.1	3167.8	3143.2	3157.2	3160.7	3178.3	3188.9	3185.4
37.5°	2111.8	2689.1	3009.4	3030.6	3055.2	3023.5	3044.6	3055.2	3069.3	3062.2	3062.2
40°	1865.5	2474.4	2893.3	2907.3	2928.4	2903.8	2924.9	2932.0	2939.0	2932.0	2928.4
42.5°	1682.5	2238.6	2770.0	2787.7	2773.6	2791.2	2798.2	2812.3	2801.7	2787.7	2787.7
45°	1541.7	2175.2	2636.3	2657.4	2636.3	2664.4	2675.0	2675.0	2643.3	2636.3	2632.8
47.5°	1495.9	2048.5	2502.6	2502.6	2492.0	2527.2	2544.8	2520.1	2488.4	2478.0	2478.0
50°	1492.4	1907.7	2319.5	2305.4	2354.7	2397.0	2379.4	2354.7	2330.1	2291.4	2291.4
52.5°	1355.1	1735.2	2083.7	2136.5	2214.0	2238.6	2210.4	2185.8	2143.5	2126.0	2111.8
55°	1256.5	1555.8	1869.0	1974.6	2055.5	2087.2	2034.4	2009.8	1946.4	1935.8	1928.8
57.5°	1235.5	1295.2	1671.9	1805.7	1904.2	1900.7	1869.0	1823.2	1770.4	1759.9	1756.4
60°	1133.4	936.2	1460.7	1619.1	1721.2	1710.6	1682.5	1640.2	1590.9	1583.9	1576.8
62.5°	1027.8	679.3	1221.4	1400.9	1545.2	1541.7	1517.1	1453.7	1418.5	1400.9	1386.8
65°	872.9	570.2	869.4	1165.1	1372.7	1379.8	1326.9	1281.2	1242.5	1221.4	1217.8
67.5°	665.2	464.6	587.8	971.5	1207.3	1200.2	1133.4	1112.2	1062.9	1052.4	1031.3
70°	492.8	309.7	408.3	788.5	1045.4	1027.8	974.9	950.3	904.6	879.9	865.9
72.5°	408.3	249.9	299.2	612.5	879.9	858.8	813.1	784.9	746.2	725.1	711.0
75°	330.9	264.0	228.7	454.0	714.5	700.5	658.2	630.0	598.3	570.2	573.7
77.5°	242.9	246.4	183.0	334.4	566.7	545.6	520.9	485.7	471.6	443.5	443.5
80°	183.0	193.6	137.3	228.7	408.3	408.3	387.2	362.6	337.9	323.9	323.9
82.5°	123.2	123.2	102.0	144.3	278.0	267.5	253.4	246.4	232.3	225.3	225.3
85°	56.3	70.4	63.3	88.0	151.3	158.4	158.4	151.3	147.9	140.7	144.3
87.5°	17.6	31.7	38.7	49.3	77.4	81.0	84.4	84.4	84.4	88.0	88.0
90°	8.3	14.8	21.4	23.1	36.3	54.0	62.8	55.8	41.8	31.3	31.3
92.5°	33.0	89.2	145.4	159.4	224.0	310.3	353.4	309.7	222.4	156.9	150.7
95°	79.3	182.0	284.9	310.5	551.4	872.5	1033.1	921.9	699.5	532.6	513.7
97.5°	137.1	227.8	318.4	341.1	742.7	1278.2	1545.9	1475.6	1335.0	1229.6	1193.6
100°	181.7	263.9	346.1	366.7	812.3	1406.5	1703.6	1708.8	1719.1	1726.8	1683.9
102.5°	219.7	296.4	373.0	392.2	844.2	1446.9	1748.3	1837.8	2016.9	2151.3	2114.6
105°	284.1	349.1	414.0	430.2	867.9	1451.5	1743.3	1944.1	2345.7	2646.8	2627.1
107.5°	350.1	410.7	471.3	486.4	872.4	1387.0	1644.2	1924.3	2484.4	2904.4	2909.2
110°	394.7	449.4	504.1	517.8	865.7	1329.7	1561.6	1874.7	2500.9	2970.4	2991.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	438.5	490.6	542.7	555.8	866.1	1279.7	1486.5	1806.9	2447.8	2928.4	2959.9
115°	504.6	552.6	600.7	612.7	874.0	1222.3	1396.5	1705.1	2322.5	2785.5	2829.3
117.5°	569.8	613.5	657.1	668.0	890.2	1186.4	1334.5	1613.1	2170.2	2588.1	2636.6
120°	607.8	649.0	690.0	700.3	903.5	1174.3	1309.7	1564.2	2073.3	2455.1	2502.3
122.5°	645.0	686.4	727.9	738.3	922.5	1168.0	1290.7	1519.9	1978.4	2322.2	2368.7
125°	702.0	739.8	777.6	787.0	948.0	1162.7	1270.1	1464.8	1854.2	2146.3	2189.2
127.5°	748.2	786.4	824.6	834.1	973.7	1159.7	1252.8	1420.0	1754.3	2005.1	2041.2
130°	773.0	814.1	855.1	865.4	992.3	1161.5	1246.1	1395.0	1692.6	1915.9	1949.2
132.5°	798.6	839.7	880.7	891.0	1007.4	1162.7	1240.4	1373.6	1640.0	1839.9	1869.9
135°	836.6	874.0	911.4	920.8	1024.0	1161.7	1230.5	1342.0	1565.2	1732.6	1758.3
137.5°	875.4	912.4	949.5	958.8	1048.8	1168.8	1228.8	1323.1	1511.8	1653.3	1674.4
140°	907.5	941.6	975.8	984.3	1063.9	1170.0	1223.0	1304.6	1467.5	1589.7	1609.4
142.5°	932.3	963.9	995.4	1003.4	1076.6	1174.2	1223.0	1294.6	1437.8	1545.1	1562.1
145°	970.3	997.8	1025.4	1032.3	1093.1	1174.2	1214.8	1273.3	1390.4	1478.3	1491.1
147.5°	1008.3	1035.1	1062.0	1068.6	1117.4	1182.3	1214.8	1260.9	1353.0	1422.0	1432.7
150°	1033.1	1057.3	1081.6	1087.6	1130.0	1186.5	1214.8	1253.7	1331.5	1389.8	1398.4
152.5°	1058.7	1077.1	1095.3	1100.0	1138.2	1189.3	1214.8	1248.0	1314.4	1364.2	1370.7
155°	1096.7	1110.3	1123.9	1127.2	1156.4	1195.3	1214.8	1241.2	1294.1	1333.7	1338.0
157.5°	1124.7	1138.0	1151.2	1154.5	1174.6	1201.4	1214.8	1235.3	1276.4	1307.2	1310.2
160°	1143.7	1154.0	1164.3	1166.9	1182.9	1204.1	1214.8	1232.4	1267.6	1294.1	1295.9
162.5°	1162.7	1170.5	1178.1	1180.1	1191.6	1207.1	1214.8	1229.6	1259.4	1281.7	1283.3
165°	1183.4	1190.4	1197.3	1199.1	1204.3	1211.3	1214.8	1225.4	1246.7	1262.6	1264.4
167.5°	1202.4	1205.6	1209.0	1209.8	1214.3	1220.1	1223.0	1230.0	1243.9	1254.4	1255.1
170°	1214.8	1218.1	1221.4	1222.2	1222.5	1222.9	1223.0	1230.0	1243.9	1254.4	1254.4
172.5°	1221.4	1222.1	1222.9	1223.0	1223.0	1223.0	1223.0	1228.5	1239.6	1247.8	1247.2
175°	1230.5	1230.5	1230.5	1230.5	1228.0	1224.7	1223.0	1226.5	1233.5	1238.8	1238.8
177.5°	1230.5	1230.5	1230.5	1230.5	1228.5	1226.0	1224.7	1227.5	1233.0	1237.1	1236.4
180°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4
2.5°	3815.5	3804.9	3815.5	3808.4	3811.9	3801.4	3769.6	3759.1	3769.6	3780.2	3780.2
5°	3861.2	3854.2	3861.2	3861.2	3857.6	3850.6	3815.5	3808.4	3815.5	3818.9	3811.9
7.5°	3875.2	3864.8	3875.2	3868.2	3868.2	3861.2	3826.0	3818.9	3822.5	3833.1	3822.5
10°	3875.2	3864.8	3875.2	3871.8	3868.2	3861.2	3826.0	3811.9	3811.9	3822.5	3811.9
12.5°	3857.6	3850.6	3857.6	3850.6	3850.6	3843.6	3808.4	3794.3	3797.8	3801.4	3787.3
15°	3829.5	3818.9	3829.5	3822.5	3826.0	3815.5	3776.8	3762.6	3762.6	3769.6	3745.1
17.5°	3787.3	3773.2	3787.3	3783.8	3780.2	3773.2	3738.0	3723.9	3720.4	3723.9	3706.3
20°	3738.0	3727.5	3738.0	3734.5	3734.5	3720.4	3685.2	3667.6	3667.6	3667.6	3650.0
22.5°	3660.6	3650.0	3660.6	3667.6	3667.6	3664.1	3632.4	3607.8	3600.8	3600.8	3579.6
25°	3572.6	3562.0	3572.6	3572.6	3569.0	3572.6	3562.0	3547.9	3537.3	3526.8	3505.7
27.5°	3488.1	3481.0	3488.1	3481.0	3488.1	3477.5	3474.0	3470.5	3456.5	3445.9	3417.7
30°	3403.6	3396.6	3403.6	3396.6	3389.6	3382.5	3364.9	3357.9	3371.9	3364.9	3319.2
32.5°	3298.0	3291.0	3298.0	3298.0	3291.0	3291.0	3262.9	3252.3	3255.8	3276.9	3234.6
35°	3188.9	3178.3	3188.9	3185.4	3188.9	3178.3	3160.7	3157.2	3143.2	3167.8	3136.1
37.5°	3062.2	3051.6	3062.2	3062.2	3062.2	3069.3	3055.2	3044.6	3023.5	3055.2	3030.6
40°	2932.0	2917.9	2932.0	2928.4	2932.0	2939.0	2932.0	2924.9	2903.8	2928.4	2907.3
42.5°	2784.1	2780.6	2784.1	2787.7	2787.7	2801.7	2812.3	2798.2	2791.2	2773.6	2787.7
45°	2625.7	2618.7	2625.7	2632.8	2636.3	2643.3	2675.0	2675.0	2664.4	2636.3	2657.4
47.5°	2456.8	2439.2	2456.8	2478.0	2478.0	2488.4	2520.1	2544.8	2527.2	2492.0	2502.6
50°	2277.3	2280.8	2277.3	2291.4	2291.4	2330.1	2354.7	2379.4	2397.0	2354.7	2305.4
52.5°	2101.3	2097.8	2101.3	2111.8	2126.0	2143.5	2185.8	2210.4	2238.6	2214.0	2136.5
55°	1925.3	1932.4	1925.3	1928.8	1935.8	1946.4	2009.8	2034.4	2087.2	2055.5	1974.6
57.5°	1749.4	1738.8	1749.4	1756.4	1759.9	1770.4	1823.2	1869.0	1900.7	1904.2	1805.7
60°	1545.2	1531.1	1545.2	1576.8	1583.9	1590.9	1640.2	1682.5	1710.6	1721.2	1619.1
62.5°	1365.7	1341.1	1365.7	1386.8	1400.9	1418.5	1453.7	1517.1	1541.7	1545.2	1400.9
65°	1175.6	1165.1	1175.6	1217.8	1221.4	1242.5	1281.2	1326.9	1379.8	1372.7	1165.1
67.5°	1003.2	1003.2	1003.2	1031.3	1052.4	1062.9	1112.2	1133.4	1200.2	1207.3	971.5
70°	844.8	841.2	844.8	865.9	879.9	904.6	950.3	974.9	1027.8	1045.4	788.5
72.5°	693.4	689.9	693.4	711.0	725.1	746.2	784.9	813.1	858.8	879.9	612.5
75°	559.6	552.6	559.6	573.7	570.2	598.3	630.0	658.2	700.5	714.5	454.0
77.5°	429.4	429.4	429.4	443.5	443.5	471.6	485.7	520.9	545.6	566.7	334.4
80°	320.3	316.7	320.3	323.9	323.9	337.9	362.6	387.2	408.3	408.3	228.7
82.5°	225.3	218.2	225.3	225.3	225.3	232.3	246.4	253.4	267.5	278.0	144.3
85°	140.7	140.7	140.7	144.3	140.7	147.9	151.3	158.4	158.4	151.3	88.0
87.5°	91.6	88.0	91.6	88.0	88.0	84.4	84.4	84.4	81.0	77.4	49.3
90°	31.3	31.3	31.3	31.3	31.3	41.8	55.8	62.8	54.0	36.3	23.1
92.5°	125.7	100.8	125.7	150.7	156.9	222.4	309.7	353.4	310.3	224.0	159.4
95°	438.1	362.6	438.1	513.7	532.6	699.5	921.9	1033.1	872.5	551.4	310.5
97.5°	1049.8	905.9	1049.8	1193.6	1229.6	1335.0	1475.6	1545.9	1278.2	742.7	341.1
100°	1512.5	1341.1	1512.5	1683.9	1726.8	1719.1	1708.8	1703.6	1406.5	812.3	366.7
102.5°	1967.7	1820.9	1967.7	2114.6	2151.3	2016.9	1837.8	1748.3	1446.9	844.2	392.2
105°	2548.1	2469.2	2548.1	2627.1	2646.8	2345.7	1944.1	1743.3	1451.5	867.9	430.2
107.5°	2928.3	2947.4	2928.3	2909.2	2904.4	2484.4	1924.3	1644.2	1387.0	872.4	486.4
110°	3073.2	3155.4	3073.2	2991.0	2970.4	2500.9	1874.7	1561.6	1329.7	865.7	517.8



TEST NUMBER: P934873

CATALOG NUMBER: SQ4-FA-075U-100D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3086.2	3212.4	3086.2	2959.9	2928.4	2447.8	1806.9	1486.5	1279.7	866.1	555.8
115°	3004.3	3179.4	3004.3	2829.3	2785.5	2322.5	1705.1	1396.5	1222.3	874.0	612.7
117.5°	2830.8	3025.0	2830.8	2636.6	2588.1	2170.2	1613.1	1334.5	1186.4	890.2	668.0
120°	2691.0	2879.6	2691.0	2502.3	2455.1	2073.3	1564.2	1309.7	1174.3	903.5	700.3
122.5°	2554.8	2740.9	2554.8	2368.7	2322.2	1978.4	1519.9	1290.7	1168.0	922.5	738.3
125°	2360.6	2532.0	2360.6	2189.2	2146.3	1854.2	1464.8	1270.1	1162.7	948.0	787.0
127.5°	2185.9	2330.5	2185.9	2041.2	2005.1	1754.3	1420.0	1252.8	1159.7	973.7	834.1
130°	2082.9	2216.5	2082.9	1949.2	1915.9	1692.6	1395.0	1246.1	1161.5	992.3	865.4
132.5°	1989.5	2109.2	1989.5	1869.9	1839.9	1640.0	1373.6	1240.4	1162.7	1007.4	891.0
135°	1861.5	1964.6	1861.5	1758.3	1732.6	1565.2	1342.0	1230.5	1161.7	1024.0	920.8
137.5°	1758.8	1843.2	1758.8	1674.4	1653.3	1511.8	1323.1	1228.8	1168.8	1048.8	958.8
140°	1688.4	1767.2	1688.4	1609.4	1589.7	1467.5	1304.6	1223.0	1170.0	1063.9	984.3
142.5°	1630.0	1697.9	1630.0	1562.1	1545.1	1437.8	1294.6	1223.0	1174.2	1076.6	1003.4
145°	1542.5	1593.8	1542.5	1491.1	1478.3	1390.4	1273.3	1214.8	1174.2	1093.1	1032.3
147.5°	1475.2	1517.9	1475.2	1432.7	1422.0	1353.0	1260.9	1214.8	1182.3	1117.4	1068.6
150°	1433.0	1467.5	1433.0	1398.4	1389.8	1331.5	1253.7	1214.8	1186.5	1130.0	1087.6
152.5°	1396.8	1422.8	1396.8	1370.7	1364.2	1314.4	1248.0	1214.8	1189.3	1138.2	1100.0
155°	1355.3	1372.5	1355.3	1338.0	1333.7	1294.1	1241.2	1214.8	1195.3	1156.4	1127.2
157.5°	1322.4	1334.5	1322.4	1310.2	1307.2	1276.4	1235.3	1214.8	1201.4	1174.6	1154.5
160°	1302.8	1309.7	1302.8	1295.9	1294.1	1267.6	1232.4	1214.8	1204.1	1182.9	1166.9
162.5°	1289.9	1296.6	1289.9	1283.3	1281.7	1259.4	1229.6	1214.8	1207.1	1191.6	1180.1
165°	1271.3	1278.4	1271.3	1264.4	1262.6	1246.7	1225.4	1214.8	1211.3	1204.3	1199.1
167.5°	1258.1	1261.0	1258.1	1255.1	1254.4	1243.9	1230.0	1223.0	1220.1	1214.3	1209.8
170°	1254.4	1254.4	1254.4	1254.4	1254.4	1243.9	1230.0	1223.0	1222.9	1222.5	1222.2
172.5°	1244.6	1242.0	1244.6	1247.2	1247.8	1239.6	1228.5	1223.0	1223.0	1223.0	1223.0
175°	1238.8	1238.8	1238.8	1238.8	1238.8	1233.5	1226.5	1223.0	1224.7	1228.0	1230.5
177.5°	1233.4	1230.5	1233.4	1236.4	1237.1	1233.0	1227.5	1224.7	1226.0	1228.5	1230.5
180°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4
2.5°	3773.2	3752.1	3752.1	3716.9	3702.8	3692.2	3674.6	3621.9	3607.8	3593.6	3614.8
5°	3804.9	3766.2	3738.0	3674.6	3621.9	3600.8	3533.9	3407.2	3322.6	3259.3	3224.2
7.5°	3811.9	3762.6	3709.8	3611.3	3484.6	3428.3	3224.2	2991.8	2928.4	2872.1	2836.9
10°	3804.9	3748.6	3674.6	3526.8	3227.6	3129.0	2924.9	2773.6	2734.9	2724.3	2734.9
12.5°	3780.2	3727.5	3625.3	3379.0	2960.1	2893.3	2773.6	2685.6	2678.6	2696.1	2791.2
15°	3738.0	3688.8	3569.0	3181.9	2812.3	2763.0	2678.6	2646.9	2685.6	2808.7	3093.9
17.5°	3695.8	3639.5	3491.6	2988.3	2699.7	2664.4	2604.6	2668.0	2886.2	3051.6	3146.7
20°	3639.5	3572.6	3403.6	2847.5	2618.7	2587.0	2558.9	2844.0	3009.4	3069.3	3122.0
22.5°	3572.6	3502.2	3283.9	2749.0	2534.3	2509.6	2527.2	2942.6	3009.4	3051.6	3097.4
25°	3484.6	3424.7	3143.2	2671.5	2467.4	2439.2	2506.1	2932.0	2970.7	2981.3	3072.7
27.5°	3403.6	3326.2	2995.3	2601.1	2386.4	2375.8	2523.7	2886.2	2914.4	2924.9	3023.5
30°	3305.0	3188.9	2829.9	2527.2	2302.0	2298.4	2527.2	2829.9	2822.9	2851.0	2949.6
32.5°	3203.0	2984.7	2643.3	2435.7	2221.0	2217.4	2502.6	2745.4	2738.4	2777.1	2851.0
35°	3108.0	2826.4	2390.0	2330.1	2118.9	2122.4	2442.7	2646.9	2650.4	2685.6	2731.3
37.5°	3009.4	2689.1	2111.8	2214.0	2020.4	2020.4	2361.7	2555.4	2548.3	2558.9	2622.3
40°	2893.3	2474.4	1865.5	2062.6	1928.8	1918.3	2263.2	2456.8	2432.1	2428.7	2516.7
42.5°	2770.0	2238.6	1682.5	1862.0	1823.2	1809.1	2143.5	2337.1	2291.4	2302.0	2414.6
45°	2636.3	2175.2	1541.7	1573.4	1714.1	1703.5	2013.3	2199.8	2168.1	2196.4	2312.5
47.5°	2502.6	2048.5	1495.9	1305.8	1598.0	1594.5	1869.0	2066.1	2048.5	2076.7	2199.8
50°	2319.5	1907.7	1492.4	1119.3	1467.8	1481.8	1696.5	1935.8	1935.8	1960.5	2090.7
52.5°	2083.7	1735.2	1355.1	1013.7	1316.4	1358.6	1545.2	1823.2	1830.3	1854.9	1971.1
55°	1869.0	1555.8	1256.5	932.8	1136.9	1228.4	1397.4	1707.1	1721.2	1745.8	1851.4
57.5°	1671.9	1295.2	1235.5	837.7	971.5	1059.5	1267.1	1594.5	1601.5	1622.6	1724.7
60°	1460.7	936.2	1133.4	735.6	827.2	894.0	1147.5	1460.7	1485.4	1499.4	1587.4
62.5°	1221.4	679.3	1027.8	665.2	756.8	770.9	1048.9	1334.0	1365.7	1376.2	1429.1
65°	869.4	570.2	872.9	605.4	682.9	686.3	943.3	1203.8	1231.9	1249.5	1288.2
67.5°	587.8	464.6	665.2	549.1	626.5	630.0	841.2	1052.4	1091.1	1105.2	1129.9
70°	408.3	309.7	492.8	489.3	563.2	570.2	732.2	915.2	950.3	960.9	974.9
72.5°	299.2	249.9	408.3	440.0	496.3	503.3	619.5	760.3	795.5	806.0	813.1
75°	228.7	264.0	330.9	383.6	422.3	425.9	506.9	619.5	644.2	651.2	654.6
77.5°	183.0	246.4	242.9	309.7	344.9	337.9	397.7	478.7	499.8	499.8	499.8
80°	137.3	193.6	183.0	221.7	253.4	246.4	285.1	341.4	348.5	355.5	352.0
82.5°	102.0	123.2	123.2	140.7	169.0	161.9	190.0	221.7	221.7	221.7	228.7
85°	63.3	70.4	56.3	73.9	95.0	91.6	105.6	119.7	123.2	123.2	116.2
87.5°	38.7	31.7	17.6	28.1	42.3	42.3	49.3	52.8	49.3	49.3	49.3
90°	21.4	14.8	8.3	14.8	21.4	23.1	36.3	54.0	62.8	55.8	41.8
92.5°	145.4	89.2	33.0	89.2	145.4	159.4	224.0	310.3	353.4	309.7	222.4
95°	284.9	182.0	79.3	182.0	284.9	310.5	551.4	872.5	1033.1	921.9	699.5
97.5°	318.4	227.8	137.1	227.8	318.4	341.1	742.7	1278.2	1545.9	1475.6	1335.0
100°	346.1	263.9	181.7	263.9	346.1	366.7	812.3	1406.5	1703.6	1708.8	1719.1
102.5°	373.0	296.4	219.7	296.4	373.0	392.2	844.2	1446.9	1748.3	1837.8	2016.9
105°	414.0	349.1	284.1	349.1	414.0	430.2	867.9	1451.5	1743.3	1944.1	2345.7
107.5°	471.3	410.7	350.1	410.7	471.3	486.4	872.4	1387.0	1644.2	1924.3	2484.4
110°	504.1	449.4	394.7	449.4	504.1	517.8	865.7	1329.7	1561.6	1874.7	2500.9



TEST NUMBER: P934873

CATALOG NUMBER: SQ4-FA-075U-100D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	542.7	490.6	438.5	490.6	542.7	555.8	866.1	1279.7	1486.5	1806.9	2447.8
115°	600.7	552.6	504.6	552.6	600.7	612.7	874.0	1222.3	1396.5	1705.1	2322.5
117.5°	657.1	613.5	569.8	613.5	657.1	668.0	890.2	1186.4	1334.5	1613.1	2170.2
120°	690.0	649.0	607.8	649.0	690.0	700.3	903.5	1174.3	1309.7	1564.2	2073.3
122.5°	727.9	686.4	645.0	686.4	727.9	738.3	922.5	1168.0	1290.7	1519.9	1978.4
125°	777.6	739.8	702.0	739.8	777.6	787.0	948.0	1162.7	1270.1	1464.8	1854.2
127.5°	824.6	786.4	748.2	786.4	824.6	834.1	973.7	1159.7	1252.8	1420.0	1754.3
130°	855.1	814.1	773.0	814.1	855.1	865.4	992.3	1161.5	1246.1	1395.0	1692.6
132.5°	880.7	839.7	798.6	839.7	880.7	891.0	1007.4	1162.7	1240.4	1373.6	1640.0
135°	911.4	874.0	836.6	874.0	911.4	920.8	1024.0	1161.7	1230.5	1342.0	1565.2
137.5°	949.5	912.4	875.4	912.4	949.5	958.8	1048.8	1168.8	1228.8	1323.1	1511.8
140°	975.8	941.6	907.5	941.6	975.8	984.3	1063.9	1170.0	1223.0	1304.6	1467.5
142.5°	995.4	963.9	932.3	963.9	995.4	1003.4	1076.6	1174.2	1223.0	1294.6	1437.8
145°	1025.4	997.8	970.3	997.8	1025.4	1032.3	1093.1	1174.2	1214.8	1273.3	1390.4
147.5°	1062.0	1035.1	1008.3	1035.1	1062.0	1068.6	1117.4	1182.3	1214.8	1260.9	1353.0
150°	1081.6	1057.3	1033.1	1057.3	1081.6	1087.6	1130.0	1186.5	1214.8	1253.7	1331.5
152.5°	1095.3	1077.1	1058.7	1077.1	1095.3	1100.0	1138.2	1189.3	1214.8	1248.0	1314.4
155°	1123.9	1110.3	1096.7	1110.3	1123.9	1127.2	1156.4	1195.3	1214.8	1241.2	1294.1
157.5°	1151.2	1138.0	1124.7	1138.0	1151.2	1154.5	1174.6	1201.4	1214.8	1235.3	1276.4
160°	1164.3	1154.0	1143.7	1154.0	1164.3	1166.9	1182.9	1204.1	1214.8	1232.4	1267.6
162.5°	1178.1	1170.5	1162.7	1170.5	1178.1	1180.1	1191.6	1207.1	1214.8	1229.6	1259.4
165°	1197.3	1190.4	1183.4	1190.4	1197.3	1199.1	1204.3	1211.3	1214.8	1225.4	1246.7
167.5°	1209.0	1205.6	1202.4	1205.6	1209.0	1209.8	1214.3	1220.1	1223.0	1230.0	1243.9
170°	1221.4	1218.1	1214.8	1218.1	1221.4	1222.2	1222.5	1222.9	1223.0	1230.0	1243.9
172.5°	1222.9	1222.1	1221.4	1222.1	1222.9	1223.0	1223.0	1223.0	1223.0	1228.5	1239.6
175°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1228.0	1224.7	1223.0	1226.5	1233.5
177.5°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1228.5	1226.0	1224.7	1227.5	1233.0
180°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5



TEST NUMBER: P934873

CATALOG NUMBER: SQ4-FA-075U-100D-940-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4	3720.4
2.5°	3590.2	3579.6	3593.6	3554.9	3593.6	3579.6	3590.2	3614.8	3593.6	3607.8	3621.9
5°	3150.2	3132.6	3076.3	3030.6	3076.3	3132.6	3150.2	3224.2	3259.3	3322.6	3407.2
7.5°	2815.8	2801.7	2787.7	2759.5	2787.7	2801.7	2815.8	2836.9	2872.1	2928.4	2991.8
10°	2741.9	2745.4	2766.6	2763.0	2766.6	2745.4	2741.9	2734.9	2724.3	2734.9	2773.6
12.5°	2932.0	2963.6	3079.8	3072.7	3079.8	2963.6	2932.0	2791.2	2696.1	2678.6	2685.6
15°	3150.2	3160.7	3185.4	3188.9	3185.4	3160.7	3150.2	3093.9	2808.7	2685.6	2646.9
17.5°	3171.3	3174.9	3192.4	3192.4	3192.4	3174.9	3171.3	3146.7	3051.6	2886.2	2668.0
20°	3153.7	3160.7	3195.9	3203.0	3195.9	3160.7	3153.7	3122.0	3069.3	3009.4	2844.0
22.5°	3146.7	3160.7	3188.9	3185.4	3188.9	3160.7	3146.7	3097.4	3051.6	3009.4	2942.6
25°	3111.5	3111.5	3115.0	3118.5	3115.0	3111.5	3111.5	3072.7	2981.3	2970.7	2932.0
27.5°	3037.6	3044.6	3065.7	3062.2	3065.7	3044.6	3037.6	3023.5	2924.9	2914.4	2886.2
30°	2970.7	2963.6	2946.0	2932.0	2946.0	2963.6	2970.7	2949.6	2851.0	2822.9	2829.9
32.5°	2858.0	2840.4	2822.9	2812.3	2822.9	2840.4	2858.0	2851.0	2777.1	2738.4	2745.4
35°	2724.3	2727.8	2724.3	2713.7	2724.3	2727.8	2724.3	2731.3	2685.6	2650.4	2646.9
37.5°	2629.3	2636.3	2632.8	2618.7	2632.8	2636.3	2629.3	2622.3	2558.9	2548.3	2555.4
40°	2530.7	2534.3	2530.7	2520.1	2530.7	2534.3	2530.7	2516.7	2428.7	2432.1	2456.8
42.5°	2435.7	2432.1	2421.6	2414.6	2421.6	2432.1	2435.7	2414.6	2302.0	2291.4	2337.1
45°	2326.6	2330.1	2309.0	2298.4	2309.0	2330.1	2326.6	2312.5	2196.4	2168.1	2199.8
47.5°	2217.4	2217.4	2199.8	2189.3	2199.8	2217.4	2217.4	2199.8	2076.7	2048.5	2066.1
50°	2101.3	2097.8	2073.1	2069.7	2073.1	2097.8	2101.3	2090.7	1960.5	1935.8	1935.8
52.5°	1967.5	1967.5	1971.1	1978.1	1971.1	1967.5	1967.5	1971.1	1854.9	1830.3	1823.2
55°	1851.4	1854.9	1879.5	1886.6	1879.5	1854.9	1851.4	1851.4	1745.8	1721.2	1707.1
57.5°	1731.7	1731.7	1749.4	1749.4	1749.4	1731.7	1731.7	1724.7	1622.6	1601.5	1594.5
60°	1594.5	1601.5	1615.5	1612.1	1615.5	1601.5	1594.5	1587.4	1499.4	1485.4	1460.7
62.5°	1450.1	1457.2	1460.7	1453.7	1460.7	1457.2	1450.1	1429.1	1376.2	1365.7	1334.0
65°	1298.8	1305.8	1309.4	1302.3	1309.4	1305.8	1298.8	1288.2	1249.5	1231.9	1203.8
67.5°	1143.9	1140.4	1136.9	1150.9	1136.9	1140.4	1143.9	1129.9	1105.2	1091.1	1052.4
70°	985.5	985.5	982.0	989.1	982.0	985.5	985.5	974.9	960.9	950.3	915.2
72.5°	816.6	813.1	827.2	816.6	827.2	813.1	816.6	813.1	806.0	795.5	760.3
75°	651.2	658.2	651.2	661.7	651.2	658.2	651.2	654.6	651.2	644.2	619.5
77.5°	496.3	503.3	496.3	496.3	496.3	503.3	496.3	499.8	499.8	499.8	478.7
80°	352.0	348.5	348.5	344.9	348.5	348.5	352.0	352.0	355.5	348.5	341.4
82.5°	225.3	221.7	221.7	228.7	221.7	221.7	225.3	228.7	221.7	221.7	221.7
85°	123.2	126.7	119.7	119.7	119.7	126.7	123.2	116.2	123.2	123.2	119.7
87.5°	45.7	42.3	42.3	42.3	42.3	42.3	45.7	49.3	49.3	49.3	52.8
90°	31.3	31.3	31.3	31.3	31.3	31.3	31.3	41.8	55.8	62.8	54.0
92.5°	156.9	150.7	125.7	100.8	125.7	150.7	156.9	222.4	309.7	353.4	310.3
95°	532.6	513.7	438.1	362.6	438.1	513.7	532.6	699.5	921.9	1033.1	872.5
97.5°	1229.6	1193.6	1049.8	905.9	1049.8	1193.6	1229.6	1335.0	1475.6	1545.9	1278.2
100°	1726.8	1683.9	1512.5	1341.1	1512.5	1683.9	1726.8	1719.1	1708.8	1703.6	1406.5
102.5°	2151.3	2114.6	1967.7	1820.9	1967.7	2114.6	2151.3	2016.9	1837.8	1748.3	1446.9
105°	2646.8	2627.1	2548.1	2469.2	2548.1	2627.1	2646.8	2345.7	1944.1	1743.3	1451.5
107.5°	2904.4	2909.2	2928.3	2947.4	2928.3	2909.2	2904.4	2484.4	1924.3	1644.2	1387.0
110°	2970.4	2991.0	3073.2	3155.4	3073.2	2991.0	2970.4	2500.9	1874.7	1561.6	1329.7



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2928.4	2959.9	3086.2	3212.4	3086.2	2959.9	2928.4	2447.8	1806.9	1486.5	1279.7
115°	2785.5	2829.3	3004.3	3179.4	3004.3	2829.3	2785.5	2322.5	1705.1	1396.5	1222.3
117.5°	2588.1	2636.6	2830.8	3025.0	2830.8	2636.6	2588.1	2170.2	1613.1	1334.5	1186.4
120°	2455.1	2502.3	2691.0	2879.6	2691.0	2502.3	2455.1	2073.3	1564.2	1309.7	1174.3
122.5°	2322.2	2368.7	2554.8	2740.9	2554.8	2368.7	2322.2	1978.4	1519.9	1290.7	1168.0
125°	2146.3	2189.2	2360.6	2532.0	2360.6	2189.2	2146.3	1854.2	1464.8	1270.1	1162.7
127.5°	2005.1	2041.2	2185.9	2330.5	2185.9	2041.2	2005.1	1754.3	1420.0	1252.8	1159.7
130°	1915.9	1949.2	2082.9	2216.5	2082.9	1949.2	1915.9	1692.6	1395.0	1246.1	1161.5
132.5°	1839.9	1869.9	1989.5	2109.2	1989.5	1869.9	1839.9	1640.0	1373.6	1240.4	1162.7
135°	1732.6	1758.3	1861.5	1964.6	1861.5	1758.3	1732.6	1565.2	1342.0	1230.5	1161.7
137.5°	1653.3	1674.4	1758.8	1843.2	1758.8	1674.4	1653.3	1511.8	1323.1	1228.8	1168.8
140°	1589.7	1609.4	1688.4	1767.2	1688.4	1609.4	1589.7	1467.5	1304.6	1223.0	1170.0
142.5°	1545.1	1562.1	1630.0	1697.9	1630.0	1562.1	1545.1	1437.8	1294.6	1223.0	1174.2
145°	1478.3	1491.1	1542.5	1593.8	1542.5	1491.1	1478.3	1390.4	1273.3	1214.8	1174.2
147.5°	1422.0	1432.7	1475.2	1517.9	1475.2	1432.7	1422.0	1353.0	1260.9	1214.8	1182.3
150°	1389.8	1398.4	1433.0	1467.5	1433.0	1398.4	1389.8	1331.5	1253.7	1214.8	1186.5
152.5°	1364.2	1370.7	1396.8	1422.8	1396.8	1370.7	1364.2	1314.4	1248.0	1214.8	1189.3
155°	1333.7	1338.0	1355.3	1372.5	1355.3	1338.0	1333.7	1294.1	1241.2	1214.8	1195.3
157.5°	1307.2	1310.2	1322.4	1334.5	1322.4	1310.2	1307.2	1276.4	1235.3	1214.8	1201.4
160°	1294.1	1295.9	1302.8	1309.7	1302.8	1295.9	1294.1	1267.6	1232.4	1214.8	1204.1
162.5°	1281.7	1283.3	1289.9	1296.6	1289.9	1283.3	1281.7	1259.4	1229.6	1214.8	1207.1
165°	1262.6	1264.4	1271.3	1278.4	1271.3	1264.4	1262.6	1246.7	1225.4	1214.8	1211.3
167.5°	1254.4	1255.1	1258.1	1261.0	1258.1	1255.1	1254.4	1243.9	1230.0	1223.0	1220.1
170°	1254.4	1254.4	1254.4	1254.4	1254.4	1254.4	1254.4	1243.9	1230.0	1223.0	1222.9
172.5°	1247.8	1247.2	1244.6	1242.0	1244.6	1247.2	1247.8	1239.6	1228.5	1223.0	1223.0
175°	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1238.8	1233.5	1226.5	1223.0	1224.7
177.5°	1237.1	1236.4	1233.4	1230.5	1233.4	1236.4	1237.1	1233.0	1227.5	1224.7	1226.0
180°	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5	1230.5



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3720.4	3720.4	3720.4	3720.4	3720.4
2.5°	3674.6	3692.2	3702.8	3716.9	3752.1
5°	3533.9	3600.8	3621.9	3674.6	3738.0
7.5°	3224.2	3428.3	3484.6	3611.3	3709.8
10°	2924.9	3129.0	3227.6	3526.8	3674.6
12.5°	2773.6	2893.3	2960.1	3379.0	3625.3
15°	2678.6	2763.0	2812.3	3181.9	3569.0
17.5°	2604.6	2664.4	2699.7	2988.3	3491.6
20°	2558.9	2587.0	2618.7	2847.5	3403.6
22.5°	2527.2	2509.6	2534.3	2749.0	3283.9
25°	2506.1	2439.2	2467.4	2671.5	3143.2
27.5°	2523.7	2375.8	2386.4	2601.1	2995.3
30°	2527.2	2298.4	2302.0	2527.2	2829.9
32.5°	2502.6	2217.4	2221.0	2435.7	2643.3
35°	2442.7	2122.4	2118.9	2330.1	2390.0
37.5°	2361.7	2020.4	2020.4	2214.0	2111.8
40°	2263.2	1918.3	1928.8	2062.6	1865.5
42.5°	2143.5	1809.1	1823.2	1862.0	1682.5
45°	2013.3	1703.5	1714.1	1573.4	1541.7
47.5°	1869.0	1594.5	1598.0	1305.8	1495.9
50°	1696.5	1481.8	1467.8	1119.3	1492.4
52.5°	1545.2	1358.6	1316.4	1013.7	1355.1
55°	1397.4	1228.4	1136.9	932.8	1256.5
57.5°	1267.1	1059.5	971.5	837.7	1235.5
60°	1147.5	894.0	827.2	735.6	1133.4
62.5°	1048.9	770.9	756.8	665.2	1027.8
65°	943.3	686.3	682.9	605.4	872.9
67.5°	841.2	630.0	626.5	549.1	665.2
70°	732.2	570.2	563.2	489.3	492.8
72.5°	619.5	503.3	496.3	440.0	408.3
75°	506.9	425.9	422.3	383.6	330.9
77.5°	397.7	337.9	344.9	309.7	242.9
80°	285.1	246.4	253.4	221.7	183.0
82.5°	190.0	161.9	169.0	140.7	123.2
85°	105.6	91.6	95.0	73.9	56.3
87.5°	49.3	42.3	42.3	28.1	17.6
90°	36.3	23.1	21.4	14.8	8.3
92.5°	224.0	159.4	145.4	89.2	33.0
95°	551.4	310.5	284.9	182.0	79.3
97.5°	742.7	341.1	318.4	227.8	137.1
100°	812.3	366.7	346.1	263.9	181.7
102.5°	844.2	392.2	373.0	296.4	219.7
105°	867.9	430.2	414.0	349.1	284.1
107.5°	872.4	486.4	471.3	410.7	350.1
110°	865.7	517.8	504.1	449.4	394.7



TEST NUMBER: P934873
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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	866.1	555.8	542.7	490.6	438.5
115°	874.0	612.7	600.7	552.6	504.6
117.5°	890.2	668.0	657.1	613.5	569.8
120°	903.5	700.3	690.0	649.0	607.8
122.5°	922.5	738.3	727.9	686.4	645.0
125°	948.0	787.0	777.6	739.8	702.0
127.5°	973.7	834.1	824.6	786.4	748.2
130°	992.3	865.4	855.1	814.1	773.0
132.5°	1007.4	891.0	880.7	839.7	798.6
135°	1024.0	920.8	911.4	874.0	836.6
137.5°	1048.8	958.8	949.5	912.4	875.4
140°	1063.9	984.3	975.8	941.6	907.5
142.5°	1076.6	1003.4	995.4	963.9	932.3
145°	1093.1	1032.3	1025.4	997.8	970.3
147.5°	1117.4	1068.6	1062.0	1035.1	1008.3
150°	1130.0	1087.6	1081.6	1057.3	1033.1
152.5°	1138.2	1100.0	1095.3	1077.1	1058.7
155°	1156.4	1127.2	1123.9	1110.3	1096.7
157.5°	1174.6	1154.5	1151.2	1138.0	1124.7
160°	1182.9	1166.9	1164.3	1154.0	1143.7
162.5°	1191.6	1180.1	1178.1	1170.5	1162.7
165°	1204.3	1199.1	1197.3	1190.4	1183.4
167.5°	1214.3	1209.8	1209.0	1205.6	1202.4
170°	1222.5	1222.2	1221.4	1218.1	1214.8
172.5°	1223.0	1223.0	1222.9	1222.1	1221.4
175°	1228.0	1230.5	1230.5	1230.5	1230.5
177.5°	1228.5	1230.5	1230.5	1230.5	1230.5
180°	1230.5	1230.5	1230.5	1230.5	1230.5



TEST NUMBER: P934873
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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	13.73	14.63	14.64	15.57	16.77	16.58	17.48	17.49	18.42	19.62
	3H	14.21	15.02	15.14	15.96	17.19	17.94	18.75	18.86	19.69	20.92
	4H	14.40	15.17	15.34	16.12	17.35	18.39	19.15	19.33	20.10	21.34
	6H	14.52	15.23	15.48	16.18	17.43	18.68	19.39	19.63	20.34	21.59
	8H	14.52	15.20	15.49	16.17	17.42	18.76	19.43	19.72	20.40	21.65
	12H	14.50	15.14	15.46	16.10	17.37	18.80	19.44	19.77	20.41	21.68
4H	2H	14.77	15.54	15.72	16.49	17.72	16.99	17.76	17.94	18.71	19.94
	3H	15.80	16.44	16.76	17.42	18.67	18.51	19.15	19.47	20.13	21.38
	4H	16.08	16.66	17.05	17.64	18.91	19.04	19.63	20.01	20.60	21.87
	6H	16.21	16.71	17.19	17.71	18.98	19.42	19.92	20.40	20.92	22.19
	8H	16.21	16.68	17.20	17.67	18.96	19.53	20.00	20.51	20.99	22.27
	12H	16.18	16.61	17.18	17.61	18.91	19.59	20.01	20.59	21.02	22.31
8H	4H	16.54	17.01	17.52	18.00	19.29	19.17	19.64	20.15	20.63	21.92
	6H	16.80	17.19	17.81	18.22	19.51	19.62	20.00	20.62	21.03	22.32
	8H	16.85	17.19	17.86	18.21	19.51	19.77	20.11	20.79	21.13	22.44
	12H	16.83	17.13	17.85	18.15	19.50	19.88	20.18	20.89	21.19	22.54
12H	4H	16.55	16.97	17.55	17.98	19.27	19.14	19.56	20.14	20.57	21.86
	6H	16.87	17.21	17.88	18.23	19.53	19.61	19.96	20.63	20.97	22.28
	8H	16.94	17.24	17.95	18.25	19.60	19.78	20.08	20.80	21.09	22.44