

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: P934813

Luminaire Tested: SQ4-FA-075U-100D-835-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934813
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-835-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

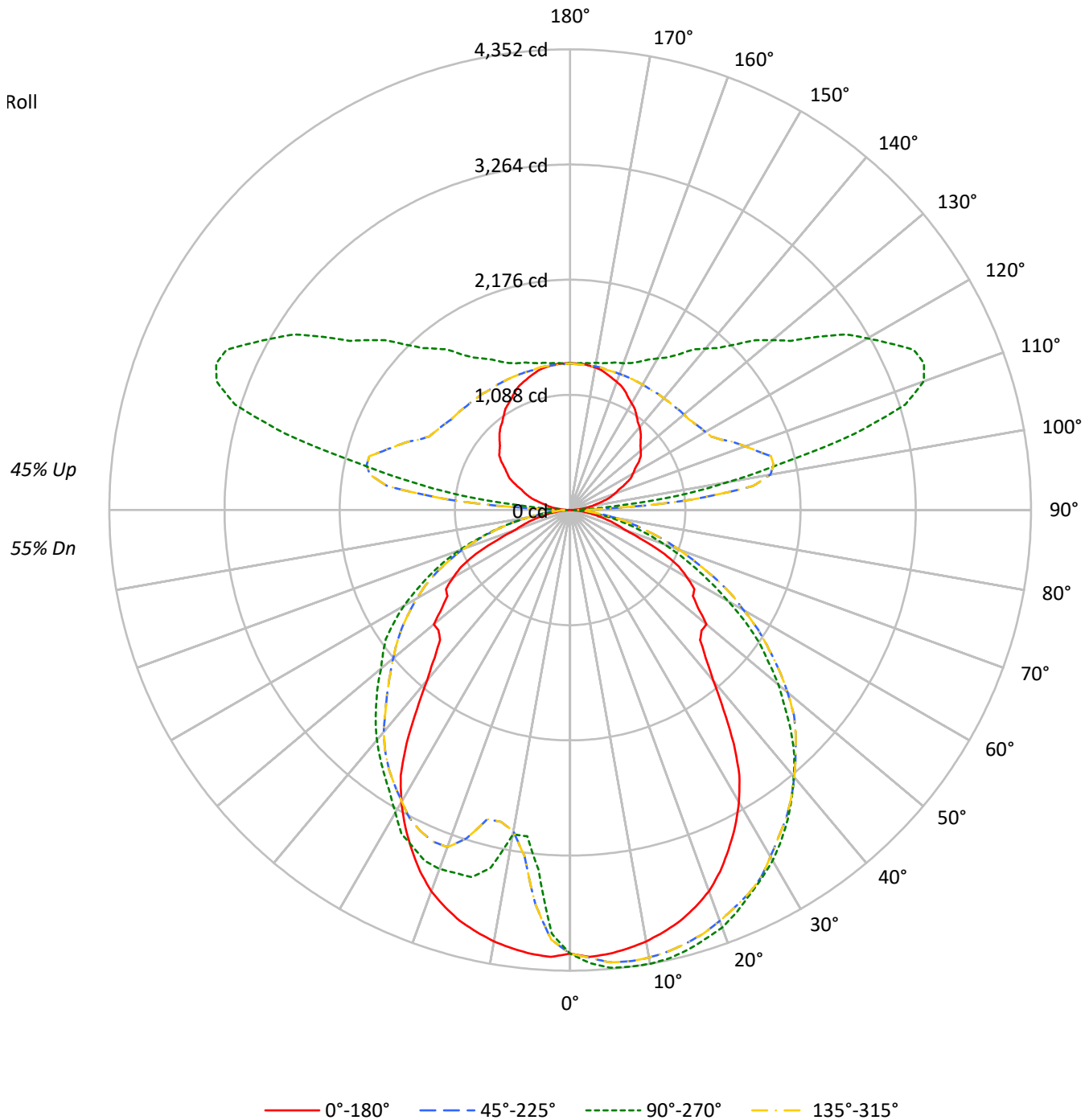
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19851.0 lumens
Efficiency: N/A
Efficacy: 129.2 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				
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°	12959	12959	12959	12959
5°	13061	13082	13061	10286
10°	12978	12886	12978	9212
15°	12842	12607	12842	10527
20°	12578	12276	12578	10549
25°	12033	11794	12033	10325
30°	11327	11393	11327	9835
35°	10104	10886	10104	9295
40°	8424	10290	8424	8888
45°	7531	9592	7531	8419
50°	8007	8760	8007	7949
55°	7541	7863	7541	7676
60°	7783	6678	7783	7031
65°	7068	5520	7068	6171
70°	4906	4399	4906	5172
75°	4319	3252	4319	3894
80°	3505	2150	3505	2341
85°	2054	1138	2054	968

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11536 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.2	1.9
10°-20°	1073.8	5.4
20°-30°	1659.9	8.4
30°-40°	1981.5	10.0
40°-50°	1993.2	10.0
50°-60°	1734.3	8.7
60°-70°	1229.6	6.2
70°-80°	650.5	3.3
80°-90°	167.3	0.8
90°-100°	675.4	3.4
100°-110°	1775.8	8.9
110°-120°	1841.3	9.3
120°-130°	1476.9	7.4
130°-140°	1158.9	5.8
140°-150°	889.5	4.5
150°-160°	640.6	3.2
160°-170°	391.9	2.0
170°-180°	132.4	0.7
0°-30°	3111.8	15.7
0°-40°	5093.4	25.7
0°-60°	8820.8	44.4
0°-90°	10868.3	54.7
90°-120°	4292.5	21.6
90°-150°	7817.8	39.4
90°-180°	8983.0	45.3
0°-180°	19851.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4190	4190	4190	4190	4190	
5°	4210	4340	4210	3413	4210	399
15°	4019	4301	4019	3591	4019	1131
25°	3540	4011	3540	3512	3540	1625
35°	2691	3579	2691	3056	2691	1665
45°	1736	2949	1736	2588	1736	1391
55°	1415	2176	1415	2124	1415	1300
65°	983	1312	983	1467	983	939
75°	373	622	373	745	373	392
85°	63	158	63	135	63	86
90°	9	35	9	35	9	10
95°	89	408	89	408	89	99
105°	320	2781	320	2781	320	339
115°	568	3580	568	3580	568	561
125°	790	2851	790	2851	790	702
135°	942	2212	942	2212	942	729
145°	1093	1795	1093	1795	1093	685
155°	1235	1546	1235	1546	1235	567
165°	1333	1440	1333	1440	1333	376
175°	1386	1395	1386	1395	1386	132
180°	1386	1386	1386	1386	1386	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6
2.5°	4225.3	4225.3	4249.1	4257.0	4257.0	4245.1	4233.2	4245.1	4280.8	4292.7	4288.7
5°	4209.5	4241.2	4284.8	4292.7	4300.6	4296.7	4288.7	4296.7	4336.3	4344.2	4348.2
7.5°	4177.7	4237.2	4292.7	4304.6	4316.5	4304.6	4300.6	4308.6	4348.2	4356.1	4356.1
10°	4138.1	4221.4	4284.8	4292.7	4304.6	4292.7	4292.7	4308.6	4348.2	4356.1	4360.1
12.5°	4082.6	4197.6	4257.0	4265.0	4280.8	4276.8	4272.9	4288.7	4328.4	4336.3	4336.3
15°	4019.2	4154.0	4209.5	4217.4	4245.1	4237.2	4237.2	4253.1	4296.7	4308.6	4304.6
17.5°	3932.0	4098.5	4161.9	4173.8	4193.6	4189.6	4193.6	4209.5	4249.1	4257.0	4261.0
20°	3832.9	4023.2	4098.5	4110.4	4130.2	4130.2	4130.2	4150.0	4189.6	4205.5	4205.5
22.5°	3698.1	3943.9	4023.2	4031.1	4054.9	4054.9	4062.8	4090.5	4126.2	4130.2	4130.2
25°	3539.6	3856.7	3924.1	3947.9	3971.6	3983.5	3995.4	4011.3	4023.2	4019.2	4023.2
27.5°	3373.1	3745.7	3832.9	3848.8	3880.5	3892.4	3908.2	3912.2	3916.1	3928.0	3920.1
30°	3186.8	3591.1	3721.9	3737.8	3789.3	3797.2	3781.4	3789.3	3809.1	3817.1	3825.0
32.5°	2976.7	3361.2	3607.0	3642.6	3690.2	3666.4	3662.5	3674.4	3706.1	3706.1	3714.0
35°	2691.4	3182.9	3500.0	3531.7	3567.3	3539.6	3555.4	3559.4	3579.2	3591.1	3587.2
37.5°	2378.2	3028.3	3389.0	3412.8	3440.5	3404.8	3428.6	3440.5	3456.4	3448.4	3448.4
40°	2100.8	2786.5	3258.2	3274.0	3297.8	3270.1	3293.8	3301.8	3309.7	3301.8	3297.8
42.5°	1894.7	2520.9	3119.4	3139.3	3123.4	3143.2	3151.1	3167.0	3155.1	3139.3	3139.3
45°	1736.1	2449.6	2968.8	2992.6	2968.8	3000.5	3012.4	3012.4	2976.7	2968.8	2964.9
47.5°	1684.6	2306.9	2818.2	2818.2	2806.3	2845.9	2865.8	2838.0	2802.3	2790.5	2790.5
50°	1680.6	2148.3	2612.1	2596.2	2651.7	2699.3	2679.5	2651.7	2624.0	2580.4	2580.4
52.5°	1526.0	1954.1	2346.5	2406.0	2493.2	2520.9	2489.2	2461.5	2413.9	2394.1	2378.2
55°	1415.0	1752.0	2104.7	2223.6	2314.8	2350.5	2291.0	2263.3	2191.9	2180.0	2172.1
57.5°	1391.3	1458.6	1882.8	2033.4	2144.4	2140.4	2104.7	2053.2	1993.7	1981.9	1977.9
60°	1276.3	1054.3	1644.9	1823.3	1938.3	1926.4	1894.7	1847.1	1791.6	1783.7	1775.7
62.5°	1157.4	765.0	1375.4	1577.6	1740.1	1736.1	1708.4	1637.0	1597.4	1577.6	1561.7
65°	983.0	642.1	979.0	1312.0	1545.8	1553.8	1494.3	1442.8	1399.2	1375.4	1371.4
67.5°	749.1	523.2	661.9	1094.0	1359.6	1351.6	1276.3	1252.5	1197.0	1185.1	1161.4
70°	554.9	348.8	459.8	887.9	1177.2	1157.4	1097.9	1070.2	1018.7	990.9	975.1
72.5°	459.8	281.4	336.9	689.7	990.9	967.1	915.6	883.9	840.3	816.5	800.7
75°	372.6	297.3	257.6	511.3	804.6	788.8	741.2	709.5	673.8	642.1	646.1
77.5°	273.5	277.5	206.1	376.6	638.2	614.4	586.6	547.0	531.1	499.4	499.4
80°	206.1	218.0	154.6	257.6	459.8	459.8	436.0	408.3	380.5	364.7	364.7
82.5°	138.7	138.7	114.9	162.5	313.1	301.2	285.4	277.5	261.6	253.7	253.7
85°	63.4	79.3	71.3	99.1	170.4	178.4	178.4	170.4	166.5	158.5	162.5
87.5°	19.8	35.7	43.6	55.5	87.2	91.2	95.1	95.1	95.1	99.1	99.1
90°	9.3	16.7	24.1	26.0	40.9	60.8	70.7	62.8	47.1	35.3	35.3
92.5°	37.2	100.4	163.7	179.5	252.3	349.4	398.0	348.8	250.5	176.7	169.7
95°	89.3	205.0	320.8	349.7	620.9	982.6	1163.4	1038.2	787.7	599.8	578.5
97.5°	154.4	256.5	358.6	384.1	836.4	1439.4	1740.9	1661.7	1503.4	1384.7	1344.2
100°	204.6	297.2	389.8	412.9	914.8	1583.9	1918.5	1924.3	1935.9	1944.6	1896.3
102.5°	247.4	333.8	420.1	441.7	950.7	1629.4	1968.8	2069.6	2271.3	2422.6	2381.3
105°	319.9	393.1	466.2	484.5	977.4	1634.6	1963.2	2189.3	2641.5	2980.6	2958.4
107.5°	394.3	462.5	530.7	547.8	982.4	1561.9	1851.6	2167.0	2797.7	3270.7	3276.1
110°	444.5	506.1	567.7	583.1	974.9	1497.4	1758.6	2111.2	2816.3	3345.1	3368.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	493.8	552.5	611.2	625.9	975.3	1441.1	1674.0	2034.8	2756.5	3297.7	3333.2
115°	568.2	622.3	676.5	690.0	984.2	1376.5	1572.6	1920.2	2615.4	3136.8	3186.1
117.5°	641.7	690.9	740.0	752.3	1002.5	1336.0	1502.8	1816.5	2443.9	2914.5	2969.2
120°	684.5	730.8	777.0	788.6	1017.4	1322.4	1474.9	1761.5	2334.8	2764.8	2817.9
122.5°	726.3	773.0	819.7	831.4	1038.8	1315.3	1453.5	1711.6	2227.9	2615.1	2667.5
125°	790.5	833.1	875.7	886.3	1067.6	1309.4	1430.3	1649.6	2088.1	2417.0	2465.3
127.5°	842.6	885.6	928.6	939.3	1096.5	1306.0	1410.8	1599.1	1975.6	2258.0	2298.7
130°	870.5	916.8	963.0	974.6	1117.5	1308.0	1403.3	1570.9	1906.1	2157.5	2195.1
132.5°	899.3	945.6	991.8	1003.4	1134.5	1309.4	1396.8	1546.8	1846.9	2072.0	2105.7
135°	942.1	984.2	1026.4	1036.9	1153.2	1308.2	1385.7	1511.3	1762.6	1951.1	1980.1
137.5°	985.8	1027.5	1069.3	1079.7	1181.1	1316.2	1383.8	1490.0	1702.5	1861.8	1885.6
140°	1022.0	1060.4	1098.9	1108.5	1198.1	1317.6	1377.3	1469.1	1652.6	1790.2	1812.4
142.5°	1049.9	1085.5	1121.0	1129.9	1212.4	1322.3	1377.3	1457.9	1619.1	1740.0	1759.1
145°	1092.7	1123.7	1154.7	1162.5	1231.0	1322.3	1368.0	1433.9	1565.8	1664.7	1679.2
147.5°	1135.5	1165.7	1195.9	1203.4	1258.3	1331.4	1368.0	1419.9	1523.6	1601.4	1613.4
150°	1163.4	1190.7	1218.0	1224.8	1272.5	1336.2	1368.0	1411.8	1499.4	1565.1	1574.8
152.5°	1192.2	1212.9	1233.5	1238.7	1281.8	1339.3	1368.0	1405.4	1480.2	1536.3	1543.6
155°	1235.0	1250.3	1265.6	1269.4	1302.3	1346.1	1368.0	1397.8	1457.3	1501.9	1506.8
157.5°	1266.6	1281.5	1296.4	1300.1	1322.7	1352.9	1368.0	1391.1	1437.4	1472.1	1475.5
160°	1288.0	1299.6	1311.2	1314.1	1332.1	1356.0	1368.0	1387.8	1427.5	1457.3	1459.3
162.5°	1309.4	1318.1	1326.7	1328.9	1341.9	1359.3	1368.0	1384.7	1418.2	1443.3	1445.2
165°	1332.7	1340.5	1348.3	1350.3	1356.2	1364.1	1368.0	1380.0	1403.9	1421.9	1423.9
167.5°	1354.0	1357.7	1361.5	1362.4	1367.4	1374.0	1377.3	1385.1	1400.8	1412.6	1413.4
170°	1368.0	1371.7	1375.5	1376.4	1376.7	1377.1	1377.3	1385.1	1400.8	1412.6	1412.6
172.5°	1375.4	1376.2	1377.1	1377.3	1377.3	1377.3	1377.3	1383.5	1395.9	1405.2	1404.5
175°	1385.7	1385.7	1385.7	1385.7	1382.9	1379.2	1377.3	1381.2	1389.1	1395.0	1395.0
177.5°	1385.7	1385.7	1385.7	1385.7	1383.5	1380.6	1379.2	1382.3	1388.5	1393.1	1392.3
180°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6
2.5°	4296.7	4284.8	4296.7	4288.7	4292.7	4280.8	4245.1	4233.2	4245.1	4257.0	4257.0
5°	4348.2	4340.3	4348.2	4348.2	4344.2	4336.3	4296.7	4288.7	4296.7	4300.6	4292.7
7.5°	4364.0	4352.2	4364.0	4356.1	4356.1	4348.2	4308.6	4300.6	4304.6	4316.5	4304.6
10°	4364.0	4352.2	4364.0	4360.1	4356.1	4348.2	4308.6	4292.7	4292.7	4304.6	4292.7
12.5°	4344.2	4336.3	4344.2	4336.3	4336.3	4328.4	4288.7	4272.9	4276.8	4280.8	4265.0
15°	4312.5	4300.6	4312.5	4304.6	4308.6	4296.7	4253.1	4237.2	4237.2	4245.1	4217.4
17.5°	4265.0	4249.1	4265.0	4261.0	4257.0	4249.1	4209.5	4193.6	4189.6	4193.6	4173.8
20°	4209.5	4197.6	4209.5	4205.5	4205.5	4189.6	4150.0	4130.2	4130.2	4130.2	4110.4
22.5°	4122.3	4110.4	4122.3	4130.2	4130.2	4126.2	4090.5	4062.8	4054.9	4054.9	4031.1
25°	4023.2	4011.3	4023.2	4023.2	4019.2	4023.2	4011.3	3995.4	3983.5	3971.6	3947.9
27.5°	3928.0	3920.1	3928.0	3920.1	3928.0	3916.1	3912.2	3908.2	3892.4	3880.5	3848.8
30°	3832.9	3825.0	3832.9	3825.0	3817.1	3809.1	3789.3	3781.4	3797.2	3789.3	3737.8
32.5°	3714.0	3706.1	3714.0	3714.0	3706.1	3706.1	3674.4	3662.5	3666.4	3690.2	3642.6
35°	3591.1	3579.2	3591.1	3587.2	3591.1	3579.2	3559.4	3555.4	3539.6	3567.3	3531.7
37.5°	3448.4	3436.5	3448.4	3448.4	3448.4	3456.4	3440.5	3428.6	3404.8	3440.5	3412.8
40°	3301.8	3285.9	3301.8	3297.8	3301.8	3309.7	3301.8	3293.8	3270.1	3297.8	3274.0
42.5°	3135.3	3131.3	3135.3	3139.3	3139.3	3155.1	3167.0	3151.1	3143.2	3123.4	3139.3
45°	2956.9	2949.0	2956.9	2964.9	2968.8	2976.7	3012.4	3012.4	3000.5	2968.8	2992.6
47.5°	2766.7	2746.9	2766.7	2790.5	2790.5	2802.3	2838.0	2865.8	2845.9	2806.3	2818.2
50°	2564.5	2568.5	2564.5	2580.4	2580.4	2624.0	2651.7	2679.5	2699.3	2651.7	2596.2
52.5°	2366.3	2362.4	2366.3	2378.2	2394.1	2413.9	2461.5	2489.2	2520.9	2493.2	2406.0
55°	2168.1	2176.1	2168.1	2172.1	2180.0	2191.9	2263.3	2291.0	2350.5	2314.8	2223.6
57.5°	1970.0	1958.1	1970.0	1977.9	1981.9	1993.7	2053.2	2104.7	2140.4	2144.4	2033.4
60°	1740.1	1724.2	1740.1	1775.7	1783.7	1791.6	1847.1	1894.7	1926.4	1938.3	1823.3
62.5°	1537.9	1510.2	1537.9	1561.7	1577.6	1597.4	1637.0	1708.4	1736.1	1740.1	1577.6
65°	1323.9	1312.0	1323.9	1371.4	1375.4	1399.2	1442.8	1494.3	1553.8	1545.8	1312.0
67.5°	1129.7	1129.7	1129.7	1161.4	1185.1	1197.0	1252.5	1276.3	1351.6	1359.6	1094.0
70°	951.3	947.3	951.3	975.1	990.9	1018.7	1070.2	1097.9	1157.4	1177.2	887.9
72.5°	780.9	776.9	780.9	800.7	816.5	840.3	883.9	915.6	967.1	990.9	689.7
75°	630.2	622.3	630.2	646.1	642.1	673.8	709.5	741.2	788.8	804.6	511.3
77.5°	483.6	483.6	483.6	499.4	499.4	531.1	547.0	586.6	614.4	638.2	376.6
80°	360.7	356.7	360.7	364.7	364.7	380.5	408.3	436.0	459.8	459.8	257.6
82.5°	253.7	245.7	253.7	253.7	253.7	261.6	277.5	285.4	301.2	313.1	162.5
85°	158.5	158.5	158.5	162.5	158.5	166.5	170.4	178.4	178.4	170.4	99.1
87.5°	103.1	99.1	103.1	99.1	99.1	95.1	95.1	95.1	91.2	87.2	55.5
90°	35.3	35.3	35.3	35.3	35.3	47.1	62.8	70.7	60.8	40.9	26.0
92.5°	141.6	113.5	141.6	169.7	176.7	250.5	348.8	398.0	349.4	252.3	179.5
95°	493.4	408.3	493.4	578.5	599.8	787.7	1038.2	1163.4	982.6	620.9	349.7
97.5°	1182.2	1020.2	1182.2	1344.2	1384.7	1503.4	1661.7	1740.9	1439.4	836.4	384.1
100°	1703.3	1510.3	1703.3	1896.3	1944.6	1935.9	1924.3	1918.5	1583.9	914.8	412.9
102.5°	2215.9	2050.6	2215.9	2381.3	2422.6	2271.3	2069.6	1968.8	1629.4	950.7	441.7
105°	2869.5	2780.6	2869.5	2958.4	2980.6	2641.5	2189.3	1963.2	1634.6	977.4	484.5
107.5°	3297.6	3319.1	3297.6	3276.1	3270.7	2797.7	2167.0	1851.6	1561.9	982.4	547.8
110°	3460.8	3553.4	3460.8	3368.2	3345.1	2816.3	2111.2	1758.6	1497.4	974.9	583.1



TEST NUMBER: P934813

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3475.4	3617.6	3475.4	3333.2	3297.7	2756.5	2034.8	1674.0	1441.1	975.3	625.9
115°	3383.2	3580.4	3383.2	3186.1	3136.8	2615.4	1920.2	1572.6	1376.5	984.2	690.0
117.5°	3187.8	3406.5	3187.8	2969.2	2914.5	2443.9	1816.5	1502.8	1336.0	1002.5	752.3
120°	3030.4	3242.8	3030.4	2817.9	2764.8	2334.8	1761.5	1474.9	1322.4	1017.4	788.6
122.5°	2877.0	3086.6	2877.0	2667.5	2615.1	2227.9	1711.6	1453.5	1315.3	1038.8	831.4
125°	2658.3	2851.3	2658.3	2465.3	2417.0	2088.1	1649.6	1430.3	1309.4	1067.6	886.3
127.5°	2461.6	2624.4	2461.6	2298.7	2258.0	1975.6	1599.1	1410.8	1306.0	1096.5	939.3
130°	2345.6	2496.1	2345.6	2195.1	2157.5	1906.1	1570.9	1403.3	1308.0	1117.5	974.6
132.5°	2240.4	2375.2	2240.4	2105.7	2072.0	1846.9	1546.8	1396.8	1309.4	1134.5	1003.4
135°	2096.3	2212.4	2096.3	1980.1	1951.1	1762.6	1511.3	1385.7	1308.2	1153.2	1036.9
137.5°	1980.6	2075.7	1980.6	1885.6	1861.8	1702.5	1490.0	1383.8	1316.2	1181.1	1079.7
140°	1901.3	1990.1	1901.3	1812.4	1790.2	1652.6	1469.1	1377.3	1317.6	1198.1	1108.5
142.5°	1835.6	1912.0	1835.6	1759.1	1740.0	1619.1	1457.9	1377.3	1322.3	1212.4	1129.9
145°	1737.0	1794.8	1737.0	1679.2	1664.7	1565.8	1433.9	1368.0	1322.3	1231.0	1162.5
147.5°	1661.3	1709.3	1661.3	1613.4	1601.4	1523.6	1419.9	1368.0	1331.4	1258.3	1203.4
150°	1613.7	1652.6	1613.7	1574.8	1565.1	1499.4	1411.8	1368.0	1336.2	1272.5	1224.8
152.5°	1573.0	1602.3	1573.0	1543.6	1536.3	1480.2	1405.4	1368.0	1339.3	1281.8	1238.7
155°	1526.2	1545.6	1526.2	1506.8	1501.9	1457.3	1397.8	1368.0	1346.1	1302.3	1269.4
157.5°	1489.2	1502.8	1489.2	1475.5	1472.1	1437.4	1391.1	1368.0	1352.9	1322.7	1300.1
160°	1467.1	1474.9	1467.1	1459.3	1457.3	1427.5	1387.8	1368.0	1356.0	1332.1	1314.1
162.5°	1452.6	1460.1	1452.6	1445.2	1443.3	1418.2	1384.7	1368.0	1359.3	1341.9	1328.9
165°	1431.7	1439.6	1431.7	1423.9	1421.9	1403.9	1380.0	1368.0	1364.1	1356.2	1350.3
167.5°	1416.8	1420.1	1416.8	1413.4	1412.6	1400.8	1385.1	1377.3	1374.0	1367.4	1362.4
170°	1412.6	1412.6	1412.6	1412.6	1412.6	1400.8	1385.1	1377.3	1377.1	1376.7	1376.4
172.5°	1401.6	1398.7	1401.6	1404.5	1405.2	1395.9	1383.5	1377.3	1377.3	1377.3	1377.3
175°	1395.0	1395.0	1395.0	1395.0	1395.0	1389.1	1381.2	1377.3	1379.2	1382.9	1385.7
177.5°	1389.0	1385.7	1389.0	1392.3	1393.1	1388.5	1382.3	1379.2	1380.6	1383.5	1385.7
180°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6
2.5°	4249.1	4225.3	4225.3	4185.7	4169.8	4157.9	4138.1	4078.7	4062.8	4046.9	4070.7
5°	4284.8	4241.2	4209.5	4138.1	4078.7	4054.9	3979.6	3836.9	3741.7	3670.4	3630.8
7.5°	4292.7	4237.2	4177.7	4066.8	3924.1	3860.7	3630.8	3369.2	3297.8	3234.4	3194.7
10°	4284.8	4221.4	4138.1	3971.6	3634.7	3523.7	3293.8	3123.4	3079.8	3067.9	3079.8
12.5°	4257.0	4197.6	4082.6	3805.2	3333.5	3258.2	3123.4	3024.3	3016.4	3036.2	3143.2
15°	4209.5	4154.0	4019.2	3583.2	3167.0	3111.5	3016.4	2980.7	3024.3	3163.0	3484.1
17.5°	4161.9	4098.5	3932.0	3365.2	3040.2	3000.5	2933.1	3004.5	3250.2	3436.5	3543.6
20°	4098.5	4023.2	3832.9	3206.6	2949.0	2913.3	2881.6	3202.7	3389.0	3456.4	3515.8
22.5°	4023.2	3943.9	3698.1	3095.7	2853.9	2826.1	2845.9	3313.7	3389.0	3436.5	3488.1
25°	3924.1	3856.7	3539.6	3008.5	2778.6	2746.9	2822.2	3301.8	3345.4	3357.3	3460.3
27.5°	3832.9	3745.7	3373.1	2929.2	2687.4	2675.5	2842.0	3250.2	3282.0	3293.8	3404.8
30°	3721.9	3591.1	3186.8	2845.9	2592.3	2588.3	2845.9	3186.8	3178.9	3210.6	3321.6
32.5°	3607.0	3361.2	2976.7	2742.9	2501.1	2497.1	2818.2	3091.7	3083.8	3127.4	3210.6
35°	3500.0	3182.9	2691.4	2624.0	2386.2	2390.1	2750.8	2980.7	2984.7	3024.3	3075.8
37.5°	3389.0	3028.3	2378.2	2493.2	2275.2	2275.2	2659.6	2877.7	2869.7	2881.6	2953.0
40°	3258.2	2786.5	2100.8	2322.7	2172.1	2160.2	2548.7	2766.7	2738.9	2735.0	2834.1
42.5°	3119.4	2520.9	1894.7	2096.8	2053.2	2037.3	2413.9	2631.9	2580.4	2592.3	2719.1
45°	2968.8	2449.6	1736.1	1771.8	1930.3	1918.4	2267.2	2477.3	2441.6	2473.4	2604.2
47.5°	2818.2	2306.9	1684.6	1470.5	1799.5	1795.6	2104.7	2326.7	2306.9	2338.6	2477.3
50°	2612.1	2148.3	1680.6	1260.5	1652.9	1668.7	1910.5	2180.0	2180.0	2207.8	2354.4
52.5°	2346.5	1954.1	1526.0	1141.5	1482.4	1530.0	1740.1	2053.2	2061.1	2088.9	2219.7
55°	2104.7	1752.0	1415.0	1050.4	1280.3	1383.3	1573.6	1922.4	1938.3	1966.0	2084.9
57.5°	1882.8	1458.6	1391.3	943.4	1094.0	1193.1	1426.9	1795.6	1803.5	1827.3	1942.2
60°	1644.9	1054.3	1276.3	828.4	931.5	1006.8	1292.2	1644.9	1672.7	1688.5	1787.6
62.5°	1375.4	765.0	1157.4	749.1	852.2	868.1	1181.2	1502.2	1537.9	1549.8	1609.3
65°	979.0	642.1	983.0	681.8	769.0	772.9	1062.3	1355.6	1387.3	1407.1	1450.7
67.5°	661.9	523.2	749.1	618.3	705.5	709.5	947.3	1185.1	1228.7	1244.6	1272.4
70°	459.8	348.8	554.9	551.0	634.2	642.1	824.5	1030.6	1070.2	1082.1	1097.9
72.5°	336.9	281.4	459.8	495.5	558.9	566.8	697.6	856.2	895.8	907.7	915.6
75°	257.6	297.3	372.6	432.0	475.6	479.6	570.8	697.6	725.4	733.3	737.2
77.5°	206.1	277.5	273.5	348.8	388.4	380.5	447.9	539.1	562.8	562.8	562.8
80°	154.6	218.0	206.1	249.7	285.4	277.5	321.1	384.5	392.4	400.3	396.4
82.5°	114.9	138.7	138.7	158.5	190.3	182.3	214.0	249.7	249.7	249.7	257.6
85°	71.3	79.3	63.4	83.2	107.0	103.1	118.9	134.8	138.7	138.7	130.8
87.5°	43.6	35.7	19.8	31.7	47.6	47.6	55.5	59.5	55.5	55.5	55.5
90°	24.1	16.7	9.3	16.7	24.1	26.0	40.9	60.8	70.7	62.8	47.1
92.5°	163.7	100.4	37.2	100.4	163.7	179.5	252.3	349.4	398.0	348.8	250.5
95°	320.8	205.0	89.3	205.0	320.8	349.7	620.9	982.6	1163.4	1038.2	787.7
97.5°	358.6	256.5	154.4	256.5	358.6	384.1	836.4	1439.4	1740.9	1661.7	1503.4
100°	389.8	297.2	204.6	297.2	389.8	412.9	914.8	1583.9	1918.5	1924.3	1935.9
102.5°	420.1	333.8	247.4	333.8	420.1	441.7	950.7	1629.4	1968.8	2069.6	2271.3
105°	466.2	393.1	319.9	393.1	466.2	484.5	977.4	1634.6	1963.2	2189.3	2641.5
107.5°	530.7	462.5	394.3	462.5	530.7	547.8	982.4	1561.9	1851.6	2167.0	2797.7
110°	567.7	506.1	444.5	506.1	567.7	583.1	974.9	1497.4	1758.6	2111.2	2816.3



TEST NUMBER: P934813

CATALOG NUMBER: SQ4-FA-075U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	611.2	552.5	493.8	552.5	611.2	625.9	975.3	1441.1	1674.0	2034.8	2756.5
115°	676.5	622.3	568.2	622.3	676.5	690.0	984.2	1376.5	1572.6	1920.2	2615.4
117.5°	740.0	690.9	641.7	690.9	740.0	752.3	1002.5	1336.0	1502.8	1816.5	2443.9
120°	777.0	730.8	684.5	730.8	777.0	788.6	1017.4	1322.4	1474.9	1761.5	2334.8
122.5°	819.7	773.0	726.3	773.0	819.7	831.4	1038.8	1315.3	1453.5	1711.6	2227.9
125°	875.7	833.1	790.5	833.1	875.7	886.3	1067.6	1309.4	1430.3	1649.6	2088.1
127.5°	928.6	885.6	842.6	885.6	928.6	939.3	1096.5	1306.0	1410.8	1599.1	1975.6
130°	963.0	916.8	870.5	916.8	963.0	974.6	1117.5	1308.0	1403.3	1570.9	1906.1
132.5°	991.8	945.6	899.3	945.6	991.8	1003.4	1134.5	1309.4	1396.8	1546.8	1846.9
135°	1026.4	984.2	942.1	984.2	1026.4	1036.9	1153.2	1308.2	1385.7	1511.3	1762.6
137.5°	1069.3	1027.5	985.8	1027.5	1069.3	1079.7	1181.1	1316.2	1383.8	1490.0	1702.5
140°	1098.9	1060.4	1022.0	1060.4	1098.9	1108.5	1198.1	1317.6	1377.3	1469.1	1652.6
142.5°	1121.0	1085.5	1049.9	1085.5	1121.0	1129.9	1212.4	1322.3	1377.3	1457.9	1619.1
145°	1154.7	1123.7	1092.7	1123.7	1154.7	1162.5	1231.0	1322.3	1368.0	1433.9	1565.8
147.5°	1195.9	1165.7	1135.5	1165.7	1195.9	1203.4	1258.3	1331.4	1368.0	1419.9	1523.6
150°	1218.0	1190.7	1163.4	1190.7	1218.0	1224.8	1272.5	1336.2	1368.0	1411.8	1499.4
152.5°	1233.5	1212.9	1192.2	1212.9	1233.5	1238.7	1281.8	1339.3	1368.0	1405.4	1480.2
155°	1265.6	1250.3	1235.0	1250.3	1265.6	1269.4	1302.3	1346.1	1368.0	1397.8	1457.3
157.5°	1296.4	1281.5	1266.6	1281.5	1296.4	1300.1	1322.7	1352.9	1368.0	1391.1	1437.4
160°	1311.2	1299.6	1288.0	1299.6	1311.2	1314.1	1332.1	1356.0	1368.0	1387.8	1427.5
162.5°	1326.7	1318.1	1309.4	1318.1	1326.7	1328.9	1341.9	1359.3	1368.0	1384.7	1418.2
165°	1348.3	1340.5	1332.7	1340.5	1348.3	1350.3	1356.2	1364.1	1368.0	1380.0	1403.9
167.5°	1361.5	1357.7	1354.0	1357.7	1361.5	1362.4	1367.4	1374.0	1377.3	1385.1	1400.8
170°	1375.5	1371.7	1368.0	1371.7	1375.5	1376.4	1376.7	1377.1	1377.3	1385.1	1400.8
172.5°	1377.1	1376.2	1375.4	1376.2	1377.1	1377.3	1377.3	1377.3	1377.3	1383.5	1395.9
175°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1382.9	1379.2	1377.3	1381.2	1389.1
177.5°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1383.5	1380.6	1379.2	1382.3	1388.5
180°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7



TEST NUMBER: P934813

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6	4189.6
2.5°	4043.0	4031.1	4046.9	4003.3	4046.9	4031.1	4043.0	4070.7	4046.9	4062.8	4078.7
5°	3547.5	3527.7	3464.3	3412.8	3464.3	3527.7	3547.5	3630.8	3670.4	3741.7	3836.9
7.5°	3171.0	3155.1	3139.3	3107.5	3139.3	3155.1	3171.0	3194.7	3234.4	3297.8	3369.2
10°	3087.7	3091.7	3115.5	3111.5	3115.5	3091.7	3087.7	3079.8	3067.9	3079.8	3123.4
12.5°	3301.8	3337.4	3468.2	3460.3	3468.2	3337.4	3301.8	3143.2	3036.2	3016.4	3024.3
15°	3547.5	3559.4	3587.2	3591.1	3587.2	3559.4	3547.5	3484.1	3163.0	3024.3	2980.7
17.5°	3571.3	3575.3	3595.1	3595.1	3595.1	3575.3	3571.3	3543.6	3436.5	3250.2	3004.5
20°	3551.5	3559.4	3599.0	3607.0	3599.0	3559.4	3551.5	3515.8	3456.4	3389.0	3202.7
22.5°	3543.6	3559.4	3591.1	3587.2	3591.1	3559.4	3543.6	3488.1	3436.5	3389.0	3313.7
25°	3503.9	3503.9	3507.9	3511.8	3507.9	3503.9	3503.9	3460.3	3357.3	3345.4	3301.8
27.5°	3420.7	3428.6	3452.4	3448.4	3452.4	3428.6	3420.7	3404.8	3293.8	3282.0	3250.2
30°	3345.4	3337.4	3317.6	3301.8	3317.6	3337.4	3345.4	3321.6	3210.6	3178.9	3186.8
32.5°	3218.5	3198.7	3178.9	3167.0	3178.9	3198.7	3218.5	3210.6	3127.4	3083.8	3091.7
35°	3067.9	3071.9	3067.9	3056.0	3067.9	3071.9	3067.9	3075.8	3024.3	2984.7	2980.7
37.5°	2960.9	2968.8	2964.9	2949.0	2964.9	2968.8	2960.9	2953.0	2881.6	2869.7	2877.7
40°	2849.9	2853.9	2849.9	2838.0	2849.9	2853.9	2849.9	2834.1	2735.0	2738.9	2766.7
42.5°	2742.9	2738.9	2727.0	2719.1	2727.0	2738.9	2742.9	2719.1	2592.3	2580.4	2631.9
45°	2620.0	2624.0	2600.2	2588.3	2600.2	2624.0	2620.0	2604.2	2473.4	2441.6	2477.3
47.5°	2497.1	2497.1	2477.3	2465.4	2477.3	2497.1	2497.1	2477.3	2338.6	2306.9	2326.7
50°	2366.3	2362.4	2334.6	2330.7	2334.6	2362.4	2366.3	2354.4	2207.8	2180.0	2180.0
52.5°	2215.7	2215.7	2219.7	2227.6	2219.7	2215.7	2215.7	2219.7	2088.9	2061.1	2053.2
55°	2084.9	2088.9	2116.6	2124.5	2116.6	2088.9	2084.9	2084.9	1966.0	1938.3	1922.4
57.5°	1950.1	1950.1	1970.0	1970.0	1970.0	1950.1	1950.1	1942.2	1827.3	1803.5	1795.6
60°	1795.6	1803.5	1819.3	1815.4	1819.3	1803.5	1795.6	1787.6	1688.5	1672.7	1644.9
62.5°	1633.0	1641.0	1644.9	1637.0	1644.9	1641.0	1633.0	1609.3	1549.8	1537.9	1502.2
65°	1462.6	1470.5	1474.5	1466.6	1474.5	1470.5	1462.6	1450.7	1407.1	1387.3	1355.6
67.5°	1288.2	1284.2	1280.3	1296.1	1280.3	1284.2	1288.2	1272.4	1244.6	1228.7	1185.1
70°	1109.8	1109.8	1105.9	1113.8	1105.9	1109.8	1109.8	1097.9	1082.1	1070.2	1030.6
72.5°	919.6	915.6	931.5	919.6	931.5	915.6	919.6	915.6	907.7	895.8	856.2
75°	733.3	741.2	733.3	745.2	733.3	741.2	733.3	737.2	733.3	725.4	697.6
77.5°	558.9	566.8	558.9	558.9	558.9	566.8	558.9	562.8	562.8	562.8	539.1
80°	396.4	392.4	392.4	388.4	392.4	392.4	396.4	396.4	400.3	392.4	384.5
82.5°	253.7	249.7	249.7	257.6	249.7	249.7	253.7	257.6	249.7	249.7	249.7
85°	138.7	142.7	134.8	134.8	134.8	142.7	138.7	130.8	138.7	138.7	134.8
87.5°	51.5	47.6	47.6	47.6	47.6	47.6	51.5	55.5	55.5	55.5	59.5
90°	35.3	35.3	35.3	35.3	35.3	35.3	35.3	47.1	62.8	70.7	60.8
92.5°	176.7	169.7	141.6	113.5	141.6	169.7	176.7	250.5	348.8	398.0	349.4
95°	599.8	578.5	493.4	408.3	493.4	578.5	599.8	787.7	1038.2	1163.4	982.6
97.5°	1384.7	1344.2	1182.2	1020.2	1182.2	1344.2	1384.7	1503.4	1661.7	1740.9	1439.4
100°	1944.6	1896.3	1703.3	1510.3	1703.3	1896.3	1944.6	1935.9	1924.3	1918.5	1583.9
102.5°	2422.6	2381.3	2215.9	2050.6	2215.9	2381.3	2422.6	2271.3	2069.6	1968.8	1629.4
105°	2980.6	2958.4	2869.5	2780.6	2869.5	2958.4	2980.6	2641.5	2189.3	1963.2	1634.6
107.5°	3270.7	3276.1	3297.6	3319.1	3297.6	3276.1	3270.7	2797.7	2167.0	1851.6	1561.9
110°	3345.1	3368.2	3460.8	3553.4	3460.8	3368.2	3345.1	2816.3	2111.2	1758.6	1497.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3297.7	3333.2	3475.4	3617.6	3475.4	3333.2	3297.7	2756.5	2034.8	1674.0	1441.1
115°	3136.8	3186.1	3383.2	3580.4	3383.2	3186.1	3136.8	2615.4	1920.2	1572.6	1376.5
117.5°	2914.5	2969.2	3187.8	3406.5	3187.8	2969.2	2914.5	2443.9	1816.5	1502.8	1336.0
120°	2764.8	2817.9	3030.4	3242.8	3030.4	2817.9	2764.8	2334.8	1761.5	1474.9	1322.4
122.5°	2615.1	2667.5	2877.0	3086.6	2877.0	2667.5	2615.1	2227.9	1711.6	1453.5	1315.3
125°	2417.0	2465.3	2658.3	2851.3	2658.3	2465.3	2417.0	2088.1	1649.6	1430.3	1309.4
127.5°	2258.0	2298.7	2461.6	2624.4	2461.6	2298.7	2258.0	1975.6	1599.1	1410.8	1306.0
130°	2157.5	2195.1	2345.6	2496.1	2345.6	2195.1	2157.5	1906.1	1570.9	1403.3	1308.0
132.5°	2072.0	2105.7	2240.4	2375.2	2240.4	2105.7	2072.0	1846.9	1546.8	1396.8	1309.4
135°	1951.1	1980.1	2096.3	2212.4	2096.3	1980.1	1951.1	1762.6	1511.3	1385.7	1308.2
137.5°	1861.8	1885.6	1980.6	2075.7	1980.6	1885.6	1861.8	1702.5	1490.0	1383.8	1316.2
140°	1790.2	1812.4	1901.3	1990.1	1901.3	1812.4	1790.2	1652.6	1469.1	1377.3	1317.6
142.5°	1740.0	1759.1	1835.6	1912.0	1835.6	1759.1	1740.0	1619.1	1457.9	1377.3	1322.3
145°	1664.7	1679.2	1737.0	1794.8	1737.0	1679.2	1664.7	1565.8	1433.9	1368.0	1322.3
147.5°	1601.4	1613.4	1661.3	1709.3	1661.3	1613.4	1601.4	1523.6	1419.9	1368.0	1331.4
150°	1565.1	1574.8	1613.7	1652.6	1613.7	1574.8	1565.1	1499.4	1411.8	1368.0	1336.2
152.5°	1536.3	1543.6	1573.0	1602.3	1573.0	1543.6	1536.3	1480.2	1405.4	1368.0	1339.3
155°	1501.9	1506.8	1526.2	1545.6	1526.2	1506.8	1501.9	1457.3	1397.8	1368.0	1346.1
157.5°	1472.1	1475.5	1489.2	1502.8	1489.2	1475.5	1472.1	1437.4	1391.1	1368.0	1352.9
160°	1457.3	1459.3	1467.1	1474.9	1467.1	1459.3	1457.3	1427.5	1387.8	1368.0	1356.0
162.5°	1443.3	1445.2	1452.6	1460.1	1452.6	1445.2	1443.3	1418.2	1384.7	1368.0	1359.3
165°	1421.9	1423.9	1431.7	1439.6	1431.7	1423.9	1421.9	1403.9	1380.0	1368.0	1364.1
167.5°	1412.6	1413.4	1416.8	1420.1	1416.8	1413.4	1412.6	1400.8	1385.1	1377.3	1374.0
170°	1412.6	1412.6	1412.6	1412.6	1412.6	1412.6	1412.6	1400.8	1385.1	1377.3	1377.1
172.5°	1405.2	1404.5	1401.6	1398.7	1401.6	1404.5	1405.2	1395.9	1383.5	1377.3	1377.3
175°	1395.0	1395.0	1395.0	1395.0	1395.0	1395.0	1395.0	1389.1	1381.2	1377.3	1379.2
177.5°	1393.1	1392.3	1389.0	1385.7	1389.0	1392.3	1393.1	1388.5	1382.3	1379.2	1380.6
180°	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7	1385.7



TEST NUMBER: P934813

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4189.6	4189.6	4189.6	4189.6	4189.6
2.5°	4138.1	4157.9	4169.8	4185.7	4225.3
5°	3979.6	4054.9	4078.7	4138.1	4209.5
7.5°	3630.8	3860.7	3924.1	4066.8	4177.7
10°	3293.8	3523.7	3634.7	3971.6	4138.1
12.5°	3123.4	3258.2	3333.5	3805.2	4082.6
15°	3016.4	3111.5	3167.0	3583.2	4019.2
17.5°	2933.1	3000.5	3040.2	3365.2	3932.0
20°	2881.6	2913.3	2949.0	3206.6	3832.9
22.5°	2845.9	2826.1	2853.9	3095.7	3698.1
25°	2822.2	2746.9	2778.6	3008.5	3539.6
27.5°	2842.0	2675.5	2687.4	2929.2	3373.1
30°	2845.9	2588.3	2592.3	2845.9	3186.8
32.5°	2818.2	2497.1	2501.1	2742.9	2976.7
35°	2750.8	2390.1	2386.2	2624.0	2691.4
37.5°	2659.6	2275.2	2275.2	2493.2	2378.2
40°	2548.7	2160.2	2172.1	2322.7	2100.8
42.5°	2413.9	2037.3	2053.2	2096.8	1894.7
45°	2267.2	1918.4	1930.3	1771.8	1736.1
47.5°	2104.7	1795.6	1799.5	1470.5	1684.6
50°	1910.5	1668.7	1652.9	1260.5	1680.6
52.5°	1740.1	1530.0	1482.4	1141.5	1526.0
55°	1573.6	1383.3	1280.3	1050.4	1415.0
57.5°	1426.9	1193.1	1094.0	943.4	1391.3
60°	1292.2	1006.8	931.5	828.4	1276.3
62.5°	1181.2	868.1	852.2	749.1	1157.4
65°	1062.3	772.9	769.0	681.8	983.0
67.5°	947.3	709.5	705.5	618.3	749.1
70°	824.5	642.1	634.2	551.0	554.9
72.5°	697.6	566.8	558.9	495.5	459.8
75°	570.8	479.6	475.6	432.0	372.6
77.5°	447.9	380.5	388.4	348.8	273.5
80°	321.1	277.5	285.4	249.7	206.1
82.5°	214.0	182.3	190.3	158.5	138.7
85°	118.9	103.1	107.0	83.2	63.4
87.5°	55.5	47.6	47.6	31.7	19.8
90°	40.9	26.0	24.1	16.7	9.3
92.5°	252.3	179.5	163.7	100.4	37.2
95°	620.9	349.7	320.8	205.0	89.3
97.5°	836.4	384.1	358.6	256.5	154.4
100°	914.8	412.9	389.8	297.2	204.6
102.5°	950.7	441.7	420.1	333.8	247.4
105°	977.4	484.5	466.2	393.1	319.9
107.5°	982.4	547.8	530.7	462.5	394.3
110°	974.9	583.1	567.7	506.1	444.5



TEST NUMBER: P934813
 CATALOG NUMBER: SQ4-FA-075U-100D-835-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	975.3	625.9	611.2	552.5	493.8
115°	984.2	690.0	676.5	622.3	568.2
117.5°	1002.5	752.3	740.0	690.9	641.7
120°	1017.4	788.6	777.0	730.8	684.5
122.5°	1038.8	831.4	819.7	773.0	726.3
125°	1067.6	886.3	875.7	833.1	790.5
127.5°	1096.5	939.3	928.6	885.6	842.6
130°	1117.5	974.6	963.0	916.8	870.5
132.5°	1134.5	1003.4	991.8	945.6	899.3
135°	1153.2	1036.9	1026.4	984.2	942.1
137.5°	1181.1	1079.7	1069.3	1027.5	985.8
140°	1198.1	1108.5	1098.9	1060.4	1022.0
142.5°	1212.4	1129.9	1121.0	1085.5	1049.9
145°	1231.0	1162.5	1154.7	1123.7	1092.7
147.5°	1258.3	1203.4	1195.9	1165.7	1135.5
150°	1272.5	1224.8	1218.0	1190.7	1163.4
152.5°	1281.8	1238.7	1233.5	1212.9	1192.2
155°	1302.3	1269.4	1265.6	1250.3	1235.0
157.5°	1322.7	1300.1	1296.4	1281.5	1266.6
160°	1332.1	1314.1	1311.2	1299.6	1288.0
162.5°	1341.9	1328.9	1326.7	1318.1	1309.4
165°	1356.2	1350.3	1348.3	1340.5	1332.7
167.5°	1367.4	1362.4	1361.5	1357.7	1354.0
170°	1376.7	1376.4	1375.5	1371.7	1368.0
172.5°	1377.3	1377.3	1377.1	1376.2	1375.4
175°	1382.9	1385.7	1385.7	1385.7	1385.7
177.5°	1383.5	1385.7	1385.7	1385.7	1385.7
180°	1385.7	1385.7	1385.7	1385.7	1385.7



TEST NUMBER: P934813
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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	14.14	15.05	15.06	15.98	17.18	16.99	17.90	17.91	18.83	20.03
	3H	14.62	15.43	15.55	16.38	17.60	18.35	19.16	19.27	20.10	21.33
	4H	14.81	15.58	15.76	16.53	17.76	18.80	19.57	19.74	20.51	21.75
	6H	14.94	15.64	15.89	16.60	17.84	19.09	19.80	20.04	20.75	22.00
	8H	14.94	15.61	15.90	16.58	17.83	19.17	19.84	20.13	20.81	22.06
	12H	14.91	15.55	15.88	16.52	17.79	19.21	19.85	20.18	20.82	22.09
4H	2H	15.18	15.95	16.13	16.90	18.13	17.41	18.17	18.35	19.12	20.36
	3H	16.22	16.85	17.17	17.83	19.08	18.92	19.56	19.88	20.54	21.79
	4H	16.49	17.08	17.46	18.05	19.32	19.46	20.04	20.42	21.01	22.29
	6H	16.62	17.12	17.60	18.12	19.39	19.83	20.33	20.81	21.33	22.60
	8H	16.63	17.10	17.61	18.09	19.37	19.94	20.41	20.92	21.40	22.69
	12H	16.60	17.02	17.60	18.03	19.32	20.00	20.43	21.00	21.43	22.73
8H	4H	16.95	17.42	17.94	18.41	19.70	19.58	20.05	20.57	21.04	22.33
	6H	17.22	17.61	18.22	18.64	19.92	20.03	20.42	21.03	21.45	22.73
	8H	17.26	17.60	18.28	18.62	19.93	20.18	20.53	21.20	21.55	22.85
	12H	17.25	17.55	18.26	18.56	19.91	20.29	20.59	21.31	21.60	22.95
12H	4H	16.96	17.39	17.96	18.39	19.68	19.55	19.97	20.55	20.98	22.27
	6H	17.28	17.62	18.29	18.64	19.94	20.03	20.37	21.04	21.39	22.69
	8H	17.35	17.65	18.37	18.66	20.01	20.19	20.49	21.21	21.51	22.86