

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: P935349

Luminaire Tested: SQ4-FA-100U-125D-930-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935349
REPORT IS A COMBINATION OF REPORTS P933749 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-100U-125D-930-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

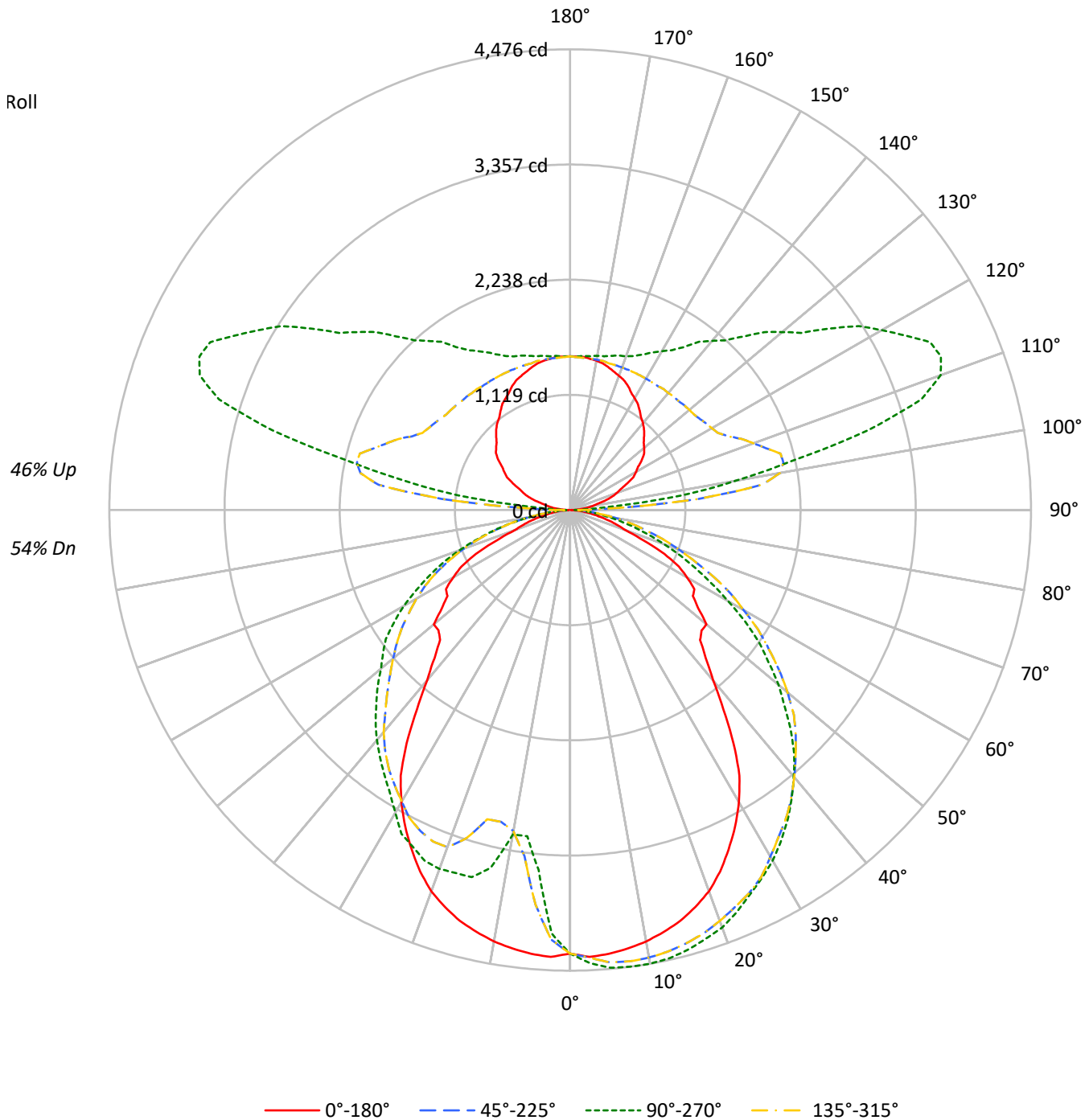
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20856.3 lumens
Efficiency: N/A
Efficacy: 101.0 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): 206.4
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	85	85	85	72	72	72	59	59	59	54				54
1	99	94	90	87	91	88	84	81	75	73	70	63	62	60	53	51	50	45				45
2	90	82	76	71	83	77	71	67	66	62	58	56	53	50	46	44	42	38				38
3	82	72	65	59	76	67	61	56	58	53	49	49	46	42	41	38	36	32				32
4	75	64	56	50	69	60	53	47	51	46	42	44	40	36	37	34	31	28				28
5	69	57	49	43	64	53	46	41	46	40	36	39	35	31	33	30	27	24				24
6	63	51	43	37	59	48	41	35	41	36	31	35	31	28	30	26	24	21				21
7	59	46	38	33	54	43	36	31	38	32	28	32	28	24	27	24	21	19				19
8	54	42	34	29	50	39	32	27	34	29	24	29	25	22	25	22	19	17				17
9	51	38	31	26	47	36	29	24	31	26	22	27	23	19	23	20	17	15				15
10	47	35	28	23	44	33	26	22	29	23	20	25	21	18	21	18	15	13				13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	13328	13328	13328	13328
5°	13432	13454	13432	10579
10°	13347	13252	13347	9474
15°	13207	12965	13207	10826
20°	12936	12625	12936	10849
25°	12376	12129	12376	10619
30°	11650	11717	11650	10114
35°	10391	11196	10391	9560
40°	8663	10583	8663	9140
45°	7746	9865	7746	8658
50°	8236	9009	8236	8175
55°	7756	8086	7756	7895
60°	8005	6868	8005	7231
65°	7269	5678	7269	6346
70°	5046	4525	5046	5320
75°	4441	3344	4441	4005
80°	3606	2211	3606	2408
85°	2113	1171	2113	995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11864 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.0	1.9
10°-20°	1104.3	5.3
20°-30°	1707.1	8.2
30°-40°	2037.9	9.8
40°-50°	2049.9	9.8
50°-60°	1783.6	8.6
60°-70°	1264.7	6.1
70°-80°	669.1	3.2
80°-90°	172.3	0.8
90°-100°	727.8	3.5
100°-110°	1913.3	9.2
110°-120°	1983.9	9.5
120°-130°	1591.3	7.6
130°-140°	1248.6	6.0
140°-150°	958.4	4.6
150°-160°	690.2	3.3
160°-170°	422.3	2.0
170°-180°	142.7	0.7
0°-30°	3200.4	15.3
0°-40°	5238.3	25.1
0°-60°	9071.8	43.5
0°-90°	11177.8	53.6
90°-120°	4625.0	22.2
90°-150°	8423.3	40.4
90°-180°	9679.0	46.4
0°-180°	20856.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4309	4309	4309	4309	4309	
5°	4329	4464	4329	3510	4329	411
15°	4134	4423	4134	3693	4134	1163
25°	3640	4125	3640	3612	3640	1671
35°	2768	3681	2768	3143	2768	1712
45°	1786	3033	1786	2662	1786	1430
55°	1455	2238	1455	2185	1455	1337
65°	1011	1349	1011	1508	1011	966
75°	383	640	383	766	383	403
85°	65	163	65	139	65	88
90°	10	38	10	38	10	11
95°	96	440	96	440	96	107
105°	345	2996	345	2996	345	365
115°	612	3858	612	3858	612	605
125°	852	3072	852	3072	852	756
135°	1015	2384	1015	2384	1015	785
145°	1177	1934	1177	1934	1177	738
155°	1331	1665	1331	1665	1331	611
165°	1436	1551	1436	1551	1436	405
175°	1493	1503	1493	1503	1493	142
180°	1493	1493	1493	1493	1493	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9
2.5°	4345.6	4345.6	4370.0	4378.2	4378.2	4365.9	4353.7	4365.9	4402.6	4414.9	4410.8
5°	4329.2	4361.9	4406.7	4414.9	4423.0	4418.9	4410.8	4418.9	4459.7	4467.9	4471.9
7.5°	4296.6	4357.8	4414.9	4427.1	4439.3	4427.1	4423.0	4431.2	4471.9	4480.1	4480.1
10°	4255.9	4341.5	4406.7	4414.9	4427.1	4414.9	4414.9	4431.2	4471.9	4480.1	4484.2
12.5°	4198.8	4317.0	4378.2	4386.3	4402.6	4398.5	4394.5	4410.8	4451.5	4459.7	4459.7
15°	4133.6	4272.2	4329.2	4337.4	4365.9	4357.8	4357.8	4374.1	4418.9	4431.2	4427.1
17.5°	4043.9	4215.1	4280.3	4292.6	4312.9	4308.9	4312.9	4329.2	4370.0	4378.2	4382.2
20°	3942.0	4137.6	4215.1	4227.3	4247.7	4247.7	4247.7	4268.1	4308.9	4325.2	4325.2
22.5°	3803.4	4056.1	4137.6	4145.8	4170.3	4170.3	4178.4	4206.9	4243.6	4247.7	4247.7
25°	3640.3	3966.4	4035.7	4060.2	4084.7	4096.9	4109.1	4125.4	4137.6	4133.6	4137.6
27.5°	3469.1	3852.3	3942.0	3958.3	3990.9	4003.1	4019.4	4023.5	4027.6	4039.8	4031.7
30°	3277.5	3693.3	3827.8	3844.1	3897.1	3905.3	3889.0	3897.1	3917.5	3925.7	3933.8
32.5°	3061.4	3456.9	3709.6	3746.3	3795.2	3770.8	3766.7	3778.9	3811.5	3811.5	3819.7
35°	2767.9	3273.4	3599.5	3632.1	3668.8	3640.3	3656.6	3660.7	3681.1	3693.3	3689.2
37.5°	2445.9	3114.4	3485.4	3509.9	3538.4	3501.7	3526.2	3538.4	3554.7	3546.5	3546.5
40°	2160.6	2865.7	3350.9	3367.2	3391.6	3363.1	3387.6	3395.7	3403.9	3395.7	3391.6
42.5°	1948.6	2592.6	3208.2	3228.6	3212.3	3232.6	3240.8	3257.1	3244.9	3228.6	3228.6
45°	1785.5	2519.3	3053.3	3077.7	3053.3	3085.9	3098.1	3098.1	3061.4	3053.3	3049.2
47.5°	1732.6	2372.5	2898.4	2898.4	2886.1	2926.9	2947.3	2918.7	2882.1	2869.8	2869.8
50°	1728.5	2209.5	2686.4	2670.1	2727.1	2776.1	2755.7	2727.1	2698.6	2653.8	2653.8
52.5°	1569.5	2009.7	2413.3	2474.4	2564.1	2592.6	2560.0	2531.5	2482.6	2462.2	2445.9
55°	1455.3	1801.9	2164.6	2286.9	2380.7	2417.4	2356.2	2327.7	2254.3	2242.1	2233.9
57.5°	1430.9	1500.2	1936.4	2091.3	2205.4	2201.3	2164.6	2111.6	2050.5	2038.3	2034.2
60°	1312.7	1084.4	1691.8	1875.2	1993.4	1981.2	1948.6	1899.7	1842.6	1834.5	1826.3
62.5°	1190.4	786.8	1414.6	1622.5	1789.6	1785.5	1757.0	1683.6	1642.9	1622.5	1606.2
65°	1011.0	660.4	1006.9	1349.4	1589.9	1598.0	1536.9	1483.9	1439.0	1414.6	1410.5
67.5°	770.5	538.1	680.8	1125.1	1398.3	1390.1	1312.7	1288.2	1231.1	1218.9	1194.4
70°	570.7	358.7	472.9	913.2	1210.7	1190.4	1129.2	1100.7	1047.7	1019.1	1002.8
72.5°	472.9	289.4	346.5	709.3	1019.1	994.7	941.7	909.1	864.2	839.8	823.5
75°	383.2	305.7	265.0	525.9	827.5	811.2	762.3	729.7	693.0	660.4	664.5
77.5°	281.3	285.4	212.0	387.3	656.3	631.9	603.3	562.6	546.3	513.7	513.7
80°	212.0	224.2	159.0	265.0	472.9	472.9	448.4	419.9	391.4	375.0	375.0
82.5°	142.7	142.7	118.2	167.1	322.1	309.8	293.5	285.4	269.1	260.9	260.9
85°	65.2	81.5	73.4	101.9	175.3	183.4	183.4	175.3	171.2	163.1	167.1
87.5°	20.4	36.7	44.8	57.1	89.7	93.8	97.8	97.8	97.8	101.9	101.9
90°	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7	38.1	38.1
92.5°	40.1	108.2	176.3	193.4	271.9	376.5	428.9	375.9	269.9	190.4	182.8
95°	96.2	220.9	345.6	376.8	669.0	1058.7	1253.5	1118.6	848.7	646.3	623.3
97.5°	166.3	276.3	386.3	413.9	901.1	1550.8	1875.7	1790.4	1619.9	1492.0	1448.4
100°	220.4	320.2	419.9	444.9	985.6	1706.6	2067.2	2073.4	2085.9	2095.2	2043.2
102.5°	266.5	359.6	452.7	475.9	1024.4	1755.7	2121.3	2229.9	2447.2	2610.2	2565.7
105°	344.7	423.5	502.4	522.0	1053.1	1761.2	2115.3	2358.9	2846.1	3211.4	3187.5
107.5°	424.9	498.3	571.8	590.2	1058.4	1682.8	1995.0	2334.8	3014.4	3524.0	3529.8
110°	479.0	545.3	611.6	628.3	1050.4	1613.3	1894.8	2274.7	3034.4	3604.2	3629.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	532.1	595.3	658.5	674.4	1050.8	1552.7	1803.6	2192.4	2970.0	3553.1	3591.4
115°	612.2	670.6	728.9	743.5	1060.4	1483.1	1694.4	2068.9	2818.0	3379.7	3432.8
117.5°	691.4	744.4	797.4	810.6	1080.2	1439.5	1619.2	1957.2	2633.3	3140.3	3199.2
120°	737.5	787.3	837.3	849.7	1096.3	1424.9	1589.2	1898.1	2515.7	2979.0	3036.2
122.5°	782.6	833.0	883.2	895.8	1119.3	1417.2	1566.2	1844.3	2400.5	2817.6	2874.1
125°	851.7	897.6	943.4	954.9	1150.3	1410.9	1541.1	1777.4	2249.8	2604.2	2656.2
127.5°	907.8	954.1	1000.5	1012.0	1181.4	1407.2	1520.1	1722.9	2128.6	2432.8	2476.7
130°	937.9	987.8	1037.6	1050.1	1204.1	1409.4	1512.0	1692.6	2053.8	2324.7	2365.2
132.5°	969.0	1018.8	1068.7	1081.2	1222.4	1410.8	1505.0	1666.6	1990.0	2232.5	2268.8
135°	1015.1	1060.4	1105.9	1117.2	1242.5	1409.5	1493.0	1628.4	1899.1	2102.2	2133.5
137.5°	1062.1	1107.1	1152.1	1163.3	1272.5	1418.2	1491.0	1605.4	1834.4	2006.1	2031.7
140°	1101.2	1142.7	1184.0	1194.4	1290.9	1419.6	1483.9	1582.8	1780.6	1928.9	1952.8
142.5°	1131.3	1169.6	1207.9	1217.4	1306.2	1424.7	1483.9	1570.8	1744.5	1874.8	1895.3
145°	1177.4	1210.8	1244.2	1252.5	1326.3	1424.8	1474.0	1545.0	1687.0	1793.6	1809.2
147.5°	1223.5	1256.0	1288.5	1296.6	1355.7	1434.6	1474.0	1529.9	1641.7	1725.5	1738.4
150°	1253.5	1282.9	1312.3	1319.7	1371.1	1439.7	1474.0	1521.2	1615.6	1686.4	1696.8
152.5°	1284.6	1306.8	1329.1	1334.7	1381.1	1443.0	1474.0	1514.3	1594.8	1655.3	1663.2
155°	1330.7	1347.1	1363.7	1367.7	1403.2	1450.4	1474.0	1506.0	1570.1	1618.2	1623.4
157.5°	1364.7	1380.8	1396.8	1400.8	1425.2	1457.8	1474.0	1498.9	1548.7	1586.2	1589.9
160°	1387.7	1400.3	1412.7	1415.8	1435.2	1461.1	1474.0	1495.3	1538.1	1570.1	1572.2
162.5°	1410.8	1420.1	1429.5	1431.8	1445.9	1464.6	1474.0	1492.0	1528.0	1555.1	1557.1
165°	1435.8	1444.3	1452.8	1454.9	1461.2	1469.7	1474.0	1486.9	1512.7	1532.0	1534.1
167.5°	1458.9	1462.9	1466.9	1468.0	1473.3	1480.4	1483.9	1492.5	1509.4	1522.1	1523.0
170°	1474.0	1478.0	1482.0	1483.0	1483.3	1483.7	1483.9	1492.5	1509.4	1522.1	1522.1
172.5°	1481.9	1482.8	1483.7	1483.9	1483.9	1483.9	1483.9	1490.6	1504.0	1514.1	1513.3
175°	1493.0	1493.0	1493.0	1493.0	1490.0	1486.0	1483.9	1488.2	1496.6	1503.0	1503.0
177.5°	1493.0	1493.0	1493.0	1493.0	1490.7	1487.6	1486.0	1489.3	1496.0	1501.0	1500.1
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9
2.5°	4418.9	4406.7	4418.9	4410.8	4414.9	4402.6	4365.9	4353.7	4365.9	4378.2	4378.2
5°	4471.9	4463.8	4471.9	4471.9	4467.9	4459.7	4418.9	4410.8	4418.9	4423.0	4414.9
7.5°	4488.2	4476.0	4488.2	4480.1	4480.1	4471.9	4431.2	4423.0	4427.1	4439.3	4427.1
10°	4488.2	4476.0	4488.2	4484.2	4480.1	4471.9	4431.2	4414.9	4414.9	4427.1	4414.9
12.5°	4467.9	4459.7	4467.9	4459.7	4459.7	4451.5	4410.8	4394.5	4398.5	4402.6	4386.3
15°	4435.2	4423.0	4435.2	4427.1	4431.2	4418.9	4374.1	4357.8	4357.8	4365.9	4337.4
17.5°	4386.3	4370.0	4386.3	4382.2	4378.2	4370.0	4329.2	4312.9	4308.9	4312.9	4292.6
20°	4329.2	4317.0	4329.2	4325.2	4325.2	4308.9	4268.1	4247.7	4247.7	4247.7	4227.3
22.5°	4239.6	4227.3	4239.6	4247.7	4247.7	4243.6	4206.9	4178.4	4170.3	4170.3	4145.8
25°	4137.6	4125.4	4137.6	4137.6	4133.6	4137.6	4125.4	4109.1	4096.9	4084.7	4060.2
27.5°	4039.8	4031.7	4039.8	4031.7	4039.8	4027.6	4023.5	4019.4	4003.1	3990.9	3958.3
30°	3942.0	3933.8	3942.0	3933.8	3925.7	3917.5	3897.1	3889.0	3905.3	3897.1	3844.1
32.5°	3819.7	3811.5	3819.7	3819.7	3811.5	3811.5	3778.9	3766.7	3770.8	3795.2	3746.3
35°	3693.3	3681.1	3693.3	3689.2	3693.3	3681.1	3660.7	3656.6	3640.3	3668.8	3632.1
37.5°	3546.5	3534.3	3546.5	3546.5	3546.5	3554.7	3538.4	3526.2	3501.7	3538.4	3509.9
40°	3395.7	3379.4	3395.7	3391.6	3395.7	3403.9	3395.7	3387.6	3363.1	3391.6	3367.2
42.5°	3224.5	3220.4	3224.5	3228.6	3228.6	3244.9	3257.1	3240.8	3232.6	3212.3	3228.6
45°	3041.0	3032.9	3041.0	3049.2	3053.3	3061.4	3098.1	3098.1	3085.9	3053.3	3077.7
47.5°	2845.4	2825.0	2845.4	2869.8	2869.8	2882.1	2918.7	2947.3	2926.9	2886.1	2898.4
50°	2637.5	2641.5	2637.5	2653.8	2653.8	2698.6	2727.1	2755.7	2776.1	2727.1	2670.1
52.5°	2433.7	2429.6	2433.7	2445.9	2462.2	2482.6	2531.5	2560.0	2592.6	2564.1	2474.4
55°	2229.9	2238.0	2229.9	2233.9	2242.1	2254.3	2327.7	2356.2	2417.4	2380.7	2286.9
57.5°	2026.0	2013.8	2026.0	2034.2	2038.3	2050.5	2111.6	2164.6	2201.3	2205.4	2091.3
60°	1789.6	1773.3	1789.6	1826.3	1834.5	1842.6	1899.7	1948.6	1981.2	1993.4	1875.2
62.5°	1581.7	1553.2	1581.7	1606.2	1622.5	1642.9	1683.6	1757.0	1785.5	1789.6	1622.5
65°	1361.6	1349.4	1361.6	1410.5	1414.6	1439.0	1483.9	1536.9	1598.0	1589.9	1349.4
67.5°	1161.8	1161.8	1161.8	1194.4	1218.9	1231.1	1288.2	1312.7	1390.1	1398.3	1125.1
70°	978.4	974.3	978.4	1002.8	1019.1	1047.7	1100.7	1129.2	1190.4	1210.7	913.2
72.5°	803.1	799.0	803.1	823.5	839.8	864.2	909.1	941.7	994.7	1019.1	709.3
75°	648.2	640.0	648.2	664.5	660.4	693.0	729.7	762.3	811.2	827.5	525.9
77.5°	497.3	497.3	497.3	513.7	513.7	546.3	562.6	603.3	631.9	656.3	387.3
80°	371.0	366.9	371.0	375.0	375.0	391.4	419.9	448.4	472.9	472.9	265.0
82.5°	260.9	252.7	260.9	260.9	260.9	269.1	285.4	293.5	309.8	322.1	167.1
85°	163.1	163.1	163.1	167.1	163.1	171.2	175.3	183.4	183.4	175.3	101.9
87.5°	106.0	101.9	106.0	101.9	101.9	97.8	97.8	97.8	93.8	89.7	57.1
90°	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4	44.1	28.0
92.5°	152.5	122.2	152.5	182.8	190.4	269.9	375.9	428.9	376.5	271.9	193.4
95°	531.6	439.9	531.6	623.3	646.3	848.7	1118.6	1253.5	1058.7	669.0	376.8
97.5°	1273.8	1099.2	1273.8	1448.4	1492.0	1619.9	1790.4	1875.7	1550.8	901.1	413.9
100°	1835.3	1627.3	1835.3	2043.2	2095.2	2085.9	2073.4	2067.2	1706.6	985.6	444.9
102.5°	2387.6	2209.5	2387.6	2565.7	2610.2	2447.2	2229.9	2121.3	1755.7	1024.4	475.9
105°	3091.7	2996.0	3091.7	3187.5	3211.4	2846.1	2358.9	2115.3	1761.2	1053.1	522.0
107.5°	3553.0	3576.2	3553.0	3529.8	3524.0	3014.4	2334.8	1995.0	1682.8	1058.4	590.2
110°	3728.9	3828.7	3728.9	3629.2	3604.2	3034.4	2274.7	1894.8	1613.3	1050.4	628.3



TEST NUMBER: P935349

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3744.6	3897.8	3744.6	3591.4	3553.1	2970.0	2192.4	1803.6	1552.7	1050.8	674.4
115°	3645.3	3857.7	3645.3	3432.8	3379.7	2818.0	2068.9	1694.4	1483.1	1060.4	743.5
117.5°	3434.8	3670.4	3434.8	3199.2	3140.3	2633.3	1957.2	1619.2	1439.5	1080.2	810.6
120°	3265.1	3494.0	3265.1	3036.2	2979.0	2515.7	1898.1	1589.2	1424.9	1096.3	849.7
122.5°	3099.8	3325.6	3099.8	2874.1	2817.6	2400.5	1844.3	1566.2	1417.2	1119.3	895.8
125°	2864.1	3072.1	2864.1	2656.2	2604.2	2249.8	1777.4	1541.1	1410.9	1150.3	954.9
127.5°	2652.2	2827.7	2652.2	2476.7	2432.8	2128.6	1722.9	1520.1	1407.2	1181.4	1012.0
130°	2527.3	2689.4	2527.3	2365.2	2324.7	2053.8	1692.6	1512.0	1409.4	1204.1	1050.1
132.5°	2414.0	2559.2	2414.0	2268.8	2232.5	1990.0	1666.6	1505.0	1410.8	1222.4	1081.2
135°	2258.6	2383.8	2258.6	2133.5	2102.2	1899.1	1628.4	1493.0	1409.5	1242.5	1117.2
137.5°	2134.1	2236.5	2134.1	2031.7	2006.1	1834.4	1605.4	1491.0	1418.2	1272.5	1163.3
140°	2048.6	2144.3	2048.6	1952.8	1928.9	1780.6	1582.8	1483.9	1419.6	1290.9	1194.4
142.5°	1977.7	2060.1	1977.7	1895.3	1874.8	1744.5	1570.8	1483.9	1424.7	1306.2	1217.4
145°	1871.6	1933.9	1871.6	1809.2	1793.6	1687.0	1545.0	1474.0	1424.8	1326.3	1252.5
147.5°	1790.0	1841.7	1790.0	1738.4	1725.5	1641.7	1529.9	1474.0	1434.6	1355.7	1296.6
150°	1738.7	1780.6	1738.7	1696.8	1686.4	1615.6	1521.2	1474.0	1439.7	1371.1	1319.7
152.5°	1694.8	1726.4	1694.8	1663.2	1655.3	1594.8	1514.3	1474.0	1443.0	1381.1	1334.7
155°	1644.4	1665.3	1644.4	1623.4	1618.2	1570.1	1506.0	1474.0	1450.4	1403.2	1367.7
157.5°	1604.6	1619.2	1604.6	1589.9	1586.2	1548.7	1498.9	1474.0	1457.8	1425.2	1400.8
160°	1580.7	1589.2	1580.7	1572.2	1570.1	1538.1	1495.3	1474.0	1461.1	1435.2	1415.8
162.5°	1565.1	1573.2	1565.1	1557.1	1555.1	1528.0	1492.0	1474.0	1464.6	1445.9	1431.8
165°	1542.6	1551.1	1542.6	1534.1	1532.0	1512.7	1486.9	1474.0	1469.7	1461.2	1454.9
167.5°	1526.5	1530.0	1526.5	1523.0	1522.1	1509.4	1492.5	1483.9	1480.4	1473.3	1468.0
170°	1522.1	1522.1	1522.1	1522.1	1522.1	1509.4	1492.5	1483.9	1483.7	1483.3	1483.0
172.5°	1510.1	1507.0	1510.1	1513.3	1514.1	1504.0	1490.6	1483.9	1483.9	1483.9	1483.9
175°	1503.0	1503.0	1503.0	1503.0	1503.0	1496.6	1488.2	1483.9	1486.0	1490.0	1493.0
177.5°	1496.6	1493.0	1496.6	1500.1	1501.0	1496.0	1489.3	1486.0	1487.6	1490.7	1493.0
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9
2.5°	4370.0	4345.6	4345.6	4304.8	4288.5	4276.3	4255.9	4194.7	4178.4	4162.1	4186.6
5°	4406.7	4361.9	4329.2	4255.9	4194.7	4170.3	4092.8	3946.0	3848.2	3774.8	3734.1
7.5°	4414.9	4357.8	4296.6	4182.5	4035.7	3970.5	3734.1	3465.0	3391.6	3326.4	3285.6
10°	4406.7	4341.5	4255.9	4084.7	3738.1	3624.0	3387.6	3212.3	3167.4	3155.2	3167.4
12.5°	4378.2	4317.0	4198.8	3913.4	3428.3	3350.9	3212.3	3110.3	3102.2	3122.6	3232.6
15°	4329.2	4272.2	4133.6	3685.1	3257.1	3200.0	3102.2	3065.5	3110.3	3253.0	3583.2
17.5°	4280.3	4215.1	4043.9	3460.9	3126.7	3085.9	3016.6	3090.0	3342.7	3534.3	3644.4
20°	4215.1	4137.6	3942.0	3297.9	3032.9	2996.2	2963.6	3293.8	3485.4	3554.7	3615.8
22.5°	4137.6	4056.1	3803.4	3183.7	2935.1	2906.5	2926.9	3407.9	3485.4	3534.3	3587.3
25°	4035.7	3966.4	3640.3	3094.0	2857.6	2825.0	2902.4	3395.7	3440.5	3452.8	3558.8
27.5°	3942.0	3852.3	3469.1	3012.5	2763.8	2751.6	2922.8	3342.7	3375.3	3387.6	3501.7
30°	3827.8	3693.3	3277.5	2926.9	2666.0	2661.9	2926.9	3277.5	3269.3	3301.9	3416.1
32.5°	3709.6	3456.9	3061.4	2820.9	2572.2	2568.2	2898.4	3179.6	3171.5	3216.3	3301.9
35°	3599.5	3273.4	2767.9	2698.6	2454.0	2458.1	2829.1	3065.5	3069.6	3110.3	3163.3
37.5°	3485.4	3114.4	2445.9	2564.1	2339.9	2339.9	2735.3	2959.5	2951.4	2963.6	3037.0
40°	3350.9	2865.7	2160.6	2388.8	2233.9	2221.7	2621.2	2845.4	2816.8	2812.8	2914.7
42.5°	3208.2	2592.6	1948.6	2156.5	2111.6	2095.3	2482.6	2706.8	2653.8	2666.0	2796.4
45°	3053.3	2519.3	1785.5	1822.2	1985.3	1973.1	2331.8	2547.8	2511.1	2543.7	2678.2
47.5°	2898.4	2372.5	1732.6	1512.4	1850.8	1846.7	2164.6	2392.9	2372.5	2405.1	2547.8
50°	2686.4	2209.5	1728.5	1296.4	1699.9	1716.2	1964.9	2242.1	2242.1	2270.6	2421.4
52.5°	2413.3	2009.7	1569.5	1174.1	1524.6	1573.6	1789.6	2111.6	2119.8	2148.3	2282.8
55°	2164.6	1801.9	1455.3	1080.3	1316.7	1422.7	1618.4	1977.1	1993.4	2022.0	2144.3
57.5°	1936.4	1500.2	1430.9	970.2	1125.1	1227.1	1467.6	1846.7	1854.8	1879.3	1997.5
60°	1691.8	1084.4	1312.7	852.0	958.0	1035.5	1329.0	1691.8	1720.3	1736.6	1838.5
62.5°	1414.6	786.8	1190.4	770.5	876.5	892.8	1214.8	1545.0	1581.7	1593.9	1655.1
65°	1006.9	660.4	1011.0	701.2	790.9	794.9	1092.5	1394.2	1426.8	1447.2	1492.0
67.5°	680.8	538.1	770.5	635.9	725.6	729.7	974.3	1218.9	1263.7	1280.1	1308.6
70°	472.9	358.7	570.7	566.6	652.3	660.4	847.9	1059.9	1100.7	1112.9	1129.2
72.5°	346.5	289.4	472.9	509.6	574.8	583.0	717.5	880.5	921.3	933.5	941.7
75°	265.0	305.7	383.2	444.3	489.2	493.3	587.0	717.5	746.0	754.2	758.2
77.5°	212.0	285.4	281.3	358.7	399.5	391.4	460.7	554.4	578.9	578.9	578.9
80°	159.0	224.2	212.0	256.8	293.5	285.4	330.2	395.4	403.6	411.7	407.7
82.5°	118.2	142.7	142.7	163.1	195.7	187.5	220.1	256.8	256.8	256.8	265.0
85°	73.4	81.5	65.2	85.6	110.1	106.0	122.3	138.6	142.7	142.7	134.5
87.5°	44.8	36.7	20.4	32.6	48.9	48.9	57.1	61.1	57.1	57.1	57.1
90°	26.0	18.1	10.0	18.1	26.0	28.0	44.1	65.4	76.1	67.7	50.7
92.5°	176.3	108.2	40.1	108.2	176.3	193.4	271.9	376.5	428.9	375.9	269.9
95°	345.6	220.9	96.2	220.9	345.6	376.8	669.0	1058.7	1253.5	1118.6	848.7
97.5°	386.3	276.3	166.3	276.3	386.3	413.9	901.1	1550.8	1875.7	1790.4	1619.9
100°	419.9	320.2	220.4	320.2	419.9	444.9	985.6	1706.6	2067.2	2073.4	2085.9
102.5°	452.7	359.6	266.5	359.6	452.7	475.9	1024.4	1755.7	2121.3	2229.9	2447.2
105°	502.4	423.5	344.7	423.5	502.4	522.0	1053.1	1761.2	2115.3	2358.9	2846.1
107.5°	571.8	498.3	424.9	498.3	571.8	590.2	1058.4	1682.8	1995.0	2334.8	3014.4
110°	611.6	545.3	479.0	545.3	611.6	628.3	1050.4	1613.3	1894.8	2274.7	3034.4



TEST NUMBER: P935349

CATALOG NUMBER: SQ4-FA-100U-125D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	658.5	595.3	532.1	595.3	658.5	674.4	1050.8	1552.7	1803.6	2192.4	2970.0
115°	728.9	670.6	612.2	670.6	728.9	743.5	1060.4	1483.1	1694.4	2068.9	2818.0
117.5°	797.4	744.4	691.4	744.4	797.4	810.6	1080.2	1439.5	1619.2	1957.2	2633.3
120°	837.3	787.3	737.5	787.3	837.3	849.7	1096.3	1424.9	1589.2	1898.1	2515.7
122.5°	883.2	833.0	782.6	833.0	883.2	895.8	1119.3	1417.2	1566.2	1844.3	2400.5
125°	943.4	897.6	851.7	897.6	943.4	954.9	1150.3	1410.9	1541.1	1777.4	2249.8
127.5°	1000.5	954.1	907.8	954.1	1000.5	1012.0	1181.4	1407.2	1520.1	1722.9	2128.6
130°	1037.6	987.8	937.9	987.8	1037.6	1050.1	1204.1	1409.4	1512.0	1692.6	2053.8
132.5°	1068.7	1018.8	969.0	1018.8	1068.7	1081.2	1222.4	1410.8	1505.0	1666.6	1990.0
135°	1105.9	1060.4	1015.1	1060.4	1105.9	1117.2	1242.5	1409.5	1493.0	1628.4	1899.1
137.5°	1152.1	1107.1	1062.1	1107.1	1152.1	1163.3	1272.5	1418.2	1491.0	1605.4	1834.4
140°	1184.0	1142.7	1101.2	1142.7	1184.0	1194.4	1290.9	1419.6	1483.9	1582.8	1780.6
142.5°	1207.9	1169.6	1131.3	1169.6	1207.9	1217.4	1306.2	1424.7	1483.9	1570.8	1744.5
145°	1244.2	1210.8	1177.4	1210.8	1244.2	1252.5	1326.3	1424.8	1474.0	1545.0	1687.0
147.5°	1288.5	1256.0	1223.5	1256.0	1288.5	1296.6	1355.7	1434.6	1474.0	1529.9	1641.7
150°	1312.3	1282.9	1253.5	1282.9	1312.3	1319.7	1371.1	1439.7	1474.0	1521.2	1615.6
152.5°	1329.1	1306.8	1284.6	1306.8	1329.1	1334.7	1381.1	1443.0	1474.0	1514.3	1594.8
155°	1363.7	1347.1	1330.7	1347.1	1363.7	1367.7	1403.2	1450.4	1474.0	1506.0	1570.1
157.5°	1396.8	1380.8	1364.7	1380.8	1396.8	1400.8	1425.2	1457.8	1474.0	1498.9	1548.7
160°	1412.7	1400.3	1387.7	1400.3	1412.7	1415.8	1435.2	1461.1	1474.0	1495.3	1538.1
162.5°	1429.5	1420.1	1410.8	1420.1	1429.5	1431.8	1445.9	1464.6	1474.0	1492.0	1528.0
165°	1452.8	1444.3	1435.8	1444.3	1452.8	1454.9	1461.2	1469.7	1474.0	1486.9	1512.7
167.5°	1466.9	1462.9	1458.9	1462.9	1466.9	1468.0	1473.3	1480.4	1483.9	1492.5	1509.4
170°	1482.0	1478.0	1474.0	1478.0	1482.0	1483.0	1483.3	1483.7	1483.9	1492.5	1509.4
172.5°	1483.7	1482.8	1481.9	1482.8	1483.7	1483.9	1483.9	1483.9	1483.9	1490.6	1504.0
175°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1490.0	1486.0	1483.9	1488.2	1496.6
177.5°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1490.7	1487.6	1486.0	1489.3	1496.0
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



TEST NUMBER: P935349

CATALOG NUMBER: SQ4-FA-100U-125D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9	4308.9
2.5°	4158.0	4145.8	4162.1	4117.3	4162.1	4145.8	4158.0	4186.6	4162.1	4178.4	4194.7
5°	3648.5	3628.1	3562.8	3509.9	3562.8	3628.1	3648.5	3734.1	3774.8	3848.2	3946.0
7.5°	3261.2	3244.9	3228.6	3196.0	3228.6	3244.9	3261.2	3285.6	3326.4	3391.6	3465.0
10°	3175.6	3179.6	3204.1	3200.0	3204.1	3179.6	3175.6	3167.4	3155.2	3167.4	3212.3
12.5°	3395.7	3432.4	3566.9	3558.8	3566.9	3432.4	3395.7	3232.6	3122.6	3102.2	3110.3
15°	3648.5	3660.7	3689.2	3693.3	3689.2	3660.7	3648.5	3583.2	3253.0	3110.3	3065.5
17.5°	3672.9	3677.0	3697.4	3697.4	3697.4	3677.0	3672.9	3644.4	3534.3	3342.7	3090.0
20°	3652.5	3660.7	3701.5	3709.6	3701.5	3660.7	3652.5	3615.8	3554.7	3485.4	3293.8
22.5°	3644.4	3660.7	3693.3	3689.2	3693.3	3660.7	3644.4	3587.3	3534.3	3485.4	3407.9
25°	3603.6	3603.6	3607.7	3611.8	3607.7	3603.6	3603.6	3558.8	3452.8	3440.5	3395.7
27.5°	3518.0	3526.2	3550.6	3546.5	3550.6	3526.2	3518.0	3501.7	3387.6	3375.3	3342.7
30°	3440.5	3432.4	3412.0	3395.7	3412.0	3432.4	3440.5	3416.1	3301.9	3269.3	3277.5
32.5°	3310.1	3289.7	3269.3	3257.1	3269.3	3289.7	3310.1	3301.9	3216.3	3171.5	3179.6
35°	3155.2	3159.3	3155.2	3143.0	3155.2	3159.3	3155.2	3163.3	3110.3	3069.6	3065.5
37.5°	3045.1	3053.3	3049.2	3032.9	3049.2	3053.3	3045.1	3037.0	2963.6	2951.4	2959.5
40°	2931.0	2935.1	2931.0	2918.7	2931.0	2935.1	2931.0	2914.7	2812.8	2816.8	2845.4
42.5°	2820.9	2816.8	2804.6	2796.4	2804.6	2816.8	2820.9	2796.4	2666.0	2653.8	2706.8
45°	2694.5	2698.6	2674.2	2661.9	2674.2	2698.6	2694.5	2678.2	2543.7	2511.1	2547.8
47.5°	2568.2	2568.2	2547.8	2535.6	2547.8	2568.2	2568.2	2547.8	2405.1	2372.5	2392.9
50°	2433.7	2429.6	2401.1	2397.0	2401.1	2429.6	2433.7	2421.4	2270.6	2242.1	2242.1
52.5°	2278.8	2278.8	2282.8	2291.0	2282.8	2278.8	2278.8	2282.8	2148.3	2119.8	2111.6
55°	2144.3	2148.3	2176.9	2185.0	2176.9	2148.3	2144.3	2144.3	2022.0	1993.4	1977.1
57.5°	2005.7	2005.7	2026.0	2026.0	2026.0	2005.7	2005.7	1997.5	1879.3	1854.8	1846.7
60°	1846.7	1854.8	1871.2	1867.1	1871.2	1854.8	1846.7	1838.5	1736.6	1720.3	1691.8
62.5°	1679.6	1687.7	1691.8	1683.6	1691.8	1687.7	1679.6	1655.1	1593.9	1581.7	1545.0
65°	1504.3	1512.4	1516.5	1508.3	1516.5	1512.4	1504.3	1492.0	1447.2	1426.8	1394.2
67.5°	1324.9	1320.8	1316.7	1333.0	1316.7	1320.8	1324.9	1308.6	1280.1	1263.7	1218.9
70°	1141.4	1141.4	1137.4	1145.5	1137.4	1141.4	1141.4	1129.2	1112.9	1100.7	1059.9
72.5°	945.8	941.7	958.0	945.8	958.0	941.7	945.8	941.7	933.5	921.3	880.5
75°	754.2	762.3	754.2	766.4	754.2	762.3	754.2	758.2	754.2	746.0	717.5
77.5°	574.8	583.0	574.8	574.8	574.8	583.0	574.8	578.9	578.9	578.9	554.4
80°	407.7	403.6	403.6	399.5	403.6	403.6	407.7	407.7	411.7	403.6	395.4
82.5°	260.9	256.8	256.8	265.0	256.8	256.8	260.9	265.0	256.8	256.8	256.8
85°	142.7	146.8	138.6	138.6	138.6	146.8	142.7	134.5	142.7	142.7	138.6
87.5°	53.0	48.9	48.9	48.9	48.9	48.9	53.0	57.1	57.1	57.1	61.1
90°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	50.7	67.7	76.1	65.4
92.5°	190.4	182.8	152.5	122.2	152.5	182.8	190.4	269.9	375.9	428.9	376.5
95°	646.3	623.3	531.6	439.9	531.6	623.3	646.3	848.7	1118.6	1253.5	1058.7
97.5°	1492.0	1448.4	1273.8	1099.2	1273.8	1448.4	1492.0	1619.9	1790.4	1875.7	1550.8
100°	2095.2	2043.2	1835.3	1627.3	1835.3	2043.2	2095.2	2085.9	2073.4	2067.2	1706.6
102.5°	2610.2	2565.7	2387.6	2209.5	2387.6	2565.7	2610.2	2447.2	2229.9	2121.3	1755.7
105°	3211.4	3187.5	3091.7	2996.0	3091.7	3187.5	3211.4	2846.1	2358.9	2115.3	1761.2
107.5°	3524.0	3529.8	3553.0	3576.2	3553.0	3529.8	3524.0	3014.4	2334.8	1995.0	1682.8
110°	3604.2	3629.2	3728.9	3828.7	3728.9	3629.2	3604.2	3034.4	2274.7	1894.8	1613.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3553.1	3591.4	3744.6	3897.8	3744.6	3591.4	3553.1	2970.0	2192.4	1803.6	1552.7
115°	3379.7	3432.8	3645.3	3857.7	3645.3	3432.8	3379.7	2818.0	2068.9	1694.4	1483.1
117.5°	3140.3	3199.2	3434.8	3670.4	3434.8	3199.2	3140.3	2633.3	1957.2	1619.2	1439.5
120°	2979.0	3036.2	3265.1	3494.0	3265.1	3036.2	2979.0	2515.7	1898.1	1589.2	1424.9
122.5°	2817.6	2874.1	3099.8	3325.6	3099.8	2874.1	2817.6	2400.5	1844.3	1566.2	1417.2
125°	2604.2	2656.2	2864.1	3072.1	2864.1	2656.2	2604.2	2249.8	1777.4	1541.1	1410.9
127.5°	2432.8	2476.7	2652.2	2827.7	2652.2	2476.7	2432.8	2128.6	1722.9	1520.1	1407.2
130°	2324.7	2365.2	2527.3	2689.4	2527.3	2365.2	2324.7	2053.8	1692.6	1512.0	1409.4
132.5°	2232.5	2268.8	2414.0	2559.2	2414.0	2268.8	2232.5	1990.0	1666.6	1505.0	1410.8
135°	2102.2	2133.5	2258.6	2383.8	2258.6	2133.5	2102.2	1899.1	1628.4	1493.0	1409.5
137.5°	2006.1	2031.7	2134.1	2236.5	2134.1	2031.7	2006.1	1834.4	1605.4	1491.0	1418.2
140°	1928.9	1952.8	2048.6	2144.3	2048.6	1952.8	1928.9	1780.6	1582.8	1483.9	1419.6
142.5°	1874.8	1895.3	1977.7	2060.1	1977.7	1895.3	1874.8	1744.5	1570.8	1483.9	1424.7
145°	1793.6	1809.2	1871.6	1933.9	1871.6	1809.2	1793.6	1687.0	1545.0	1474.0	1424.8
147.5°	1725.5	1738.4	1790.0	1841.7	1790.0	1738.4	1725.5	1641.7	1529.9	1474.0	1434.6
150°	1686.4	1696.8	1738.7	1780.6	1738.7	1696.8	1686.4	1615.6	1521.2	1474.0	1439.7
152.5°	1655.3	1663.2	1694.8	1726.4	1694.8	1663.2	1655.3	1594.8	1514.3	1474.0	1443.0
155°	1618.2	1623.4	1644.4	1665.3	1644.4	1623.4	1618.2	1570.1	1506.0	1474.0	1450.4
157.5°	1586.2	1589.9	1604.6	1619.2	1604.6	1589.9	1586.2	1548.7	1498.9	1474.0	1457.8
160°	1570.1	1572.2	1580.7	1589.2	1580.7	1572.2	1570.1	1538.1	1495.3	1474.0	1461.1
162.5°	1555.1	1557.1	1565.1	1573.2	1565.1	1557.1	1555.1	1528.0	1492.0	1474.0	1464.6
165°	1532.0	1534.1	1542.6	1551.1	1542.6	1534.1	1532.0	1512.7	1486.9	1474.0	1469.7
167.5°	1522.1	1523.0	1526.5	1530.0	1526.5	1523.0	1522.1	1509.4	1492.5	1483.9	1480.4
170°	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1522.1	1509.4	1492.5	1483.9	1483.7
172.5°	1514.1	1513.3	1510.1	1507.0	1510.1	1513.3	1514.1	1504.0	1490.6	1483.9	1483.9
175°	1503.0	1503.0	1503.0	1503.0	1503.0	1503.0	1503.0	1496.6	1488.2	1483.9	1486.0
177.5°	1501.0	1500.1	1496.6	1493.0	1496.6	1500.1	1501.0	1496.0	1489.3	1486.0	1487.6
180°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4308.9	4308.9	4308.9	4308.9	4308.9
2.5°	4255.9	4276.3	4288.5	4304.8	4345.6
5°	4092.8	4170.3	4194.7	4255.9	4329.2
7.5°	3734.1	3970.5	4035.7	4182.5	4296.6
10°	3387.6	3624.0	3738.1	4084.7	4255.9
12.5°	3212.3	3350.9	3428.3	3913.4	4198.8
15°	3102.2	3200.0	3257.1	3685.1	4133.6
17.5°	3016.6	3085.9	3126.7	3460.9	4043.9
20°	2963.6	2996.2	3032.9	3297.9	3942.0
22.5°	2926.9	2906.5	2935.1	3183.7	3803.4
25°	2902.4	2825.0	2857.6	3094.0	3640.3
27.5°	2922.8	2751.6	2763.8	3012.5	3469.1
30°	2926.9	2661.9	2666.0	2926.9	3277.5
32.5°	2898.4	2568.2	2572.2	2820.9	3061.4
35°	2829.1	2458.1	2454.0	2698.6	2767.9
37.5°	2735.3	2339.9	2339.9	2564.1	2445.9
40°	2621.2	2221.7	2233.9	2388.8	2160.6
42.5°	2482.6	2095.3	2111.6	2156.5	1948.6
45°	2331.8	1973.1	1985.3	1822.2	1785.5
47.5°	2164.6	1846.7	1850.8	1512.4	1732.6
50°	1964.9	1716.2	1699.9	1296.4	1728.5
52.5°	1789.6	1573.6	1524.6	1174.1	1569.5
55°	1618.4	1422.7	1316.7	1080.3	1455.3
57.5°	1467.6	1227.1	1125.1	970.2	1430.9
60°	1329.0	1035.5	958.0	852.0	1312.7
62.5°	1214.8	892.8	876.5	770.5	1190.4
65°	1092.5	794.9	790.9	701.2	1011.0
67.5°	974.3	729.7	725.6	635.9	770.5
70°	847.9	660.4	652.3	566.6	570.7
72.5°	717.5	583.0	574.8	509.6	472.9
75°	587.0	493.3	489.2	444.3	383.2
77.5°	460.7	391.4	399.5	358.7	281.3
80°	330.2	285.4	293.5	256.8	212.0
82.5°	220.1	187.5	195.7	163.1	142.7
85°	122.3	106.0	110.1	85.6	65.2
87.5°	57.1	48.9	48.9	32.6	20.4
90°	44.1	28.0	26.0	18.1	10.0
92.5°	271.9	193.4	176.3	108.2	40.1
95°	669.0	376.8	345.6	220.9	96.2
97.5°	901.1	413.9	386.3	276.3	166.3
100°	985.6	444.9	419.9	320.2	220.4
102.5°	1024.4	475.9	452.7	359.6	266.5
105°	1053.1	522.0	502.4	423.5	344.7
107.5°	1058.4	590.2	571.8	498.3	424.9
110°	1050.4	628.3	611.6	545.3	479.0



TEST NUMBER: P935349

CATALOG NUMBER: SQ4-FA-100U-125D-930-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1050.8	674.4	658.5	595.3	532.1
115°	1060.4	743.5	728.9	670.6	612.2
117.5°	1080.2	810.6	797.4	744.4	691.4
120°	1096.3	849.7	837.3	787.3	737.5
122.5°	1119.3	895.8	883.2	833.0	782.6
125°	1150.3	954.9	943.4	897.6	851.7
127.5°	1181.4	1012.0	1000.5	954.1	907.8
130°	1204.1	1050.1	1037.6	987.8	937.9
132.5°	1222.4	1081.2	1068.7	1018.8	969.0
135°	1242.5	1117.2	1105.9	1060.4	1015.1
137.5°	1272.5	1163.3	1152.1	1107.1	1062.1
140°	1290.9	1194.4	1184.0	1142.7	1101.2
142.5°	1306.2	1217.4	1207.9	1169.6	1131.3
145°	1326.3	1252.5	1244.2	1210.8	1177.4
147.5°	1355.7	1296.6	1288.5	1256.0	1223.5
150°	1371.1	1319.7	1312.3	1282.9	1253.5
152.5°	1381.1	1334.7	1329.1	1306.8	1284.6
155°	1403.2	1367.7	1363.7	1347.1	1330.7
157.5°	1425.2	1400.8	1396.8	1380.8	1364.7
160°	1435.2	1415.8	1412.7	1400.3	1387.7
162.5°	1445.9	1431.8	1429.5	1420.1	1410.8
165°	1461.2	1454.9	1452.8	1444.3	1435.8
167.5°	1473.3	1468.0	1466.9	1462.9	1458.9
170°	1483.3	1483.0	1482.0	1478.0	1474.0
172.5°	1483.9	1483.9	1483.7	1482.8	1481.9
175°	1490.0	1493.0	1493.0	1493.0	1493.0
177.5°	1490.7	1493.0	1493.0	1493.0	1493.0
180°	1493.0	1493.0	1493.0	1493.0	1493.0



TEST NUMBER: P935349
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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	15.03	15.06	15.97	17.19	16.99	17.88	17.91	18.83	20.04
	3H	14.62	15.42	15.55	16.37	17.61	18.34	19.14	19.28	20.10	21.34
	4H	14.81	15.57	15.76	16.52	17.78	18.79	19.55	19.74	20.51	21.76
	6H	14.93	15.63	15.89	16.59	17.86	19.08	19.78	20.05	20.75	22.01
	8H	14.93	15.60	15.90	16.58	17.84	19.16	19.83	20.13	20.81	22.07
	12H	14.90	15.54	15.88	16.51	17.80	19.21	19.84	20.18	20.81	22.10
4H	2H	15.18	15.94	16.14	16.89	18.15	17.40	18.16	18.36	19.12	20.37
	3H	16.21	16.84	17.18	17.83	19.09	18.92	19.55	19.88	20.53	21.80
	4H	16.49	17.06	17.46	18.04	19.33	19.45	20.03	20.43	21.01	22.30
	6H	16.61	17.11	17.60	18.11	19.40	19.82	20.32	20.81	21.32	22.61
	8H	16.62	17.08	17.61	18.08	19.38	19.93	20.40	20.92	21.39	22.70
	12H	16.59	17.01	17.60	18.02	19.33	19.99	20.41	21.00	21.43	22.74
8H	4H	16.95	17.41	17.94	18.41	19.71	19.58	20.04	20.57	21.04	22.34
	6H	17.21	17.59	18.22	18.63	19.93	20.02	20.40	21.04	21.44	22.74
	8H	17.25	17.59	18.28	18.62	19.94	20.18	20.51	21.20	21.54	22.86
	12H	17.24	17.53	18.26	18.56	19.92	20.28	20.58	21.31	21.60	22.96
12H	4H	16.95	17.37	17.96	18.39	19.70	19.54	19.96	20.55	20.98	22.28
	6H	17.27	17.61	18.29	18.64	19.96	20.02	20.36	21.04	21.38	22.70
	8H	17.34	17.64	18.37	18.66	20.02	20.18	20.48	21.21	21.50	22.87