

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: P934901

Luminaire Tested: SQ4-FA-075U-100D-B40-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934901
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-B40-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

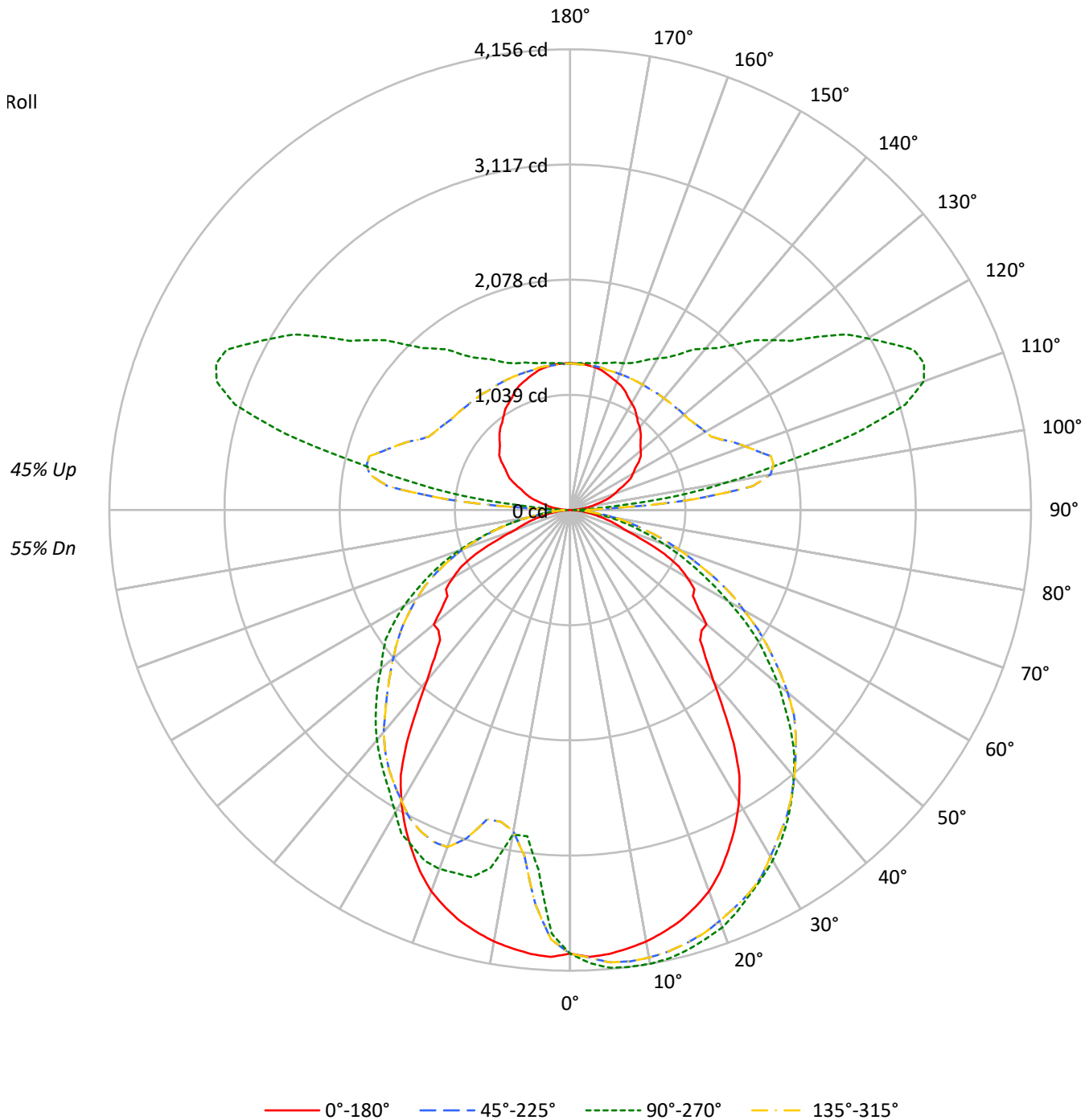
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18957.7 lumens
Efficiency: N/A
Efficacy: 123.4 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°	12376	12376	12376	12376
5°	12473	12493	12473	9823
10°	12394	12306	12394	8798
15°	12264	12039	12264	10053
20°	12012	11724	12012	10074
25°	11492	11263	11492	9860
30°	10818	10880	10818	9392
35°	9649	10396	9649	8877
40°	8045	9827	8045	8488
45°	7193	9160	7193	8040
50°	7647	8365	7647	7591
55°	7201	7509	7201	7331
60°	7433	6377	7433	6715
65°	6750	5272	6750	5893
70°	4685	4201	4685	4940
75°	4124	3106	4124	3719
80°	3347	2053	3347	2235
85°	1960	1087	1960	924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11016 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.2	1.9
10°-20°	1025.5	5.4
20°-30°	1585.2	8.4
30°-40°	1892.4	10.0
40°-50°	1903.5	10.0
50°-60°	1656.2	8.7
60°-70°	1174.3	6.2
70°-80°	621.3	3.3
80°-90°	159.8	0.8
90°-100°	645.1	3.4
100°-110°	1695.9	8.9
110°-120°	1758.4	9.3
120°-130°	1410.5	7.4
130°-140°	1106.7	5.8
140°-150°	849.4	4.5
150°-160°	611.7	3.2
160°-170°	374.3	2.0
170°-180°	126.5	0.7
0°-30°	2971.8	15.7
0°-40°	4864.2	25.7
0°-60°	8423.9	44.4
0°-90°	10379.2	54.7
90°-120°	4099.3	21.6
90°-150°	7466.0	39.4
90°-180°	8578.0	45.2
0°-180°	18957.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4001	4001	4001	4001	4001	
5°	4020	4145	4020	3259	4020	381
15°	3838	4107	3838	3430	3838	1080
25°	3380	3831	3380	3354	3380	1552
35°	2570	3418	2570	2918	2570	1590
45°	1658	2816	1658	2472	1658	1328
55°	1351	2078	1351	2029	1351	1242
65°	939	1253	939	1401	939	897
75°	356	594	356	712	356	374
85°	60	151	60	129	60	82
90°	9	34	9	34	9	10
95°	85	390	85	390	85	95
105°	306	2656	306	2656	306	324
115°	543	3419	543	3419	543	536
125°	755	2723	755	2723	755	670
135°	900	2113	900	2113	900	696
145°	1044	1714	1044	1714	1044	654
155°	1179	1476	1179	1476	1179	542
165°	1273	1375	1273	1375	1273	359
175°	1323	1332	1323	1332	1323	126
180°	1323	1323	1323	1323	1323	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	4035.2	4035.2	4057.9	4065.4	4065.4	4054.1	4042.7	4054.1	4088.2	4099.5	4095.7
5°	4020.1	4050.3	4092.0	4099.5	4107.1	4103.3	4095.7	4103.3	4141.2	4148.7	4152.5
7.5°	3989.7	4046.5	4099.5	4110.9	4122.3	4110.9	4107.1	4114.7	4152.5	4160.1	4160.1
10°	3951.9	4031.4	4092.0	4099.5	4110.9	4099.5	4099.5	4114.7	4152.5	4160.1	4163.9
12.5°	3898.9	4008.7	4065.4	4073.1	4088.2	4084.3	4080.6	4095.7	4133.6	4141.2	4141.2
15°	3838.3	3967.1	4020.1	4027.6	4054.1	4046.5	4046.5	4061.7	4103.3	4114.7	4110.9
17.5°	3755.1	3914.1	3974.6	3986.0	4004.9	4001.1	4004.9	4020.1	4057.9	4065.4	4069.3
20°	3660.4	3842.2	3914.1	3925.4	3944.3	3944.3	3944.3	3963.2	4001.1	4016.3	4016.3
22.5°	3531.7	3766.4	3842.2	3849.7	3872.4	3872.4	3880.0	3906.4	3940.5	3944.3	3944.3
25°	3380.3	3683.1	3747.5	3770.2	3792.9	3804.2	3815.6	3830.8	3842.2	3838.3	3842.2
27.5°	3221.3	3577.1	3660.4	3675.6	3705.9	3717.2	3732.3	3736.2	3739.9	3751.2	3743.7
30°	3043.4	3429.5	3554.4	3569.6	3618.8	3626.3	3611.2	3618.8	3637.7	3645.3	3652.9
32.5°	2842.7	3209.9	3444.7	3478.7	3524.1	3501.4	3497.7	3509.1	3539.3	3539.3	3546.9
35°	2570.3	3039.7	3342.5	3372.8	3406.8	3380.3	3395.4	3399.2	3418.1	3429.5	3425.8
37.5°	2271.2	2892.0	3236.5	3259.2	3285.7	3251.6	3274.3	3285.7	3300.9	3293.2	3293.2
40°	2006.3	2661.1	3111.6	3126.7	3149.4	3122.9	3145.6	3153.2	3160.8	3153.2	3149.4
42.5°	1809.4	2407.5	2979.0	2998.0	2982.8	3001.8	3009.3	3024.5	3013.1	2998.0	2998.0
45°	1658.0	2339.4	2835.2	2857.9	2835.2	2865.5	2876.8	2876.8	2842.7	2835.2	2831.5
47.5°	1608.8	2203.1	2691.4	2691.4	2680.0	2717.8	2736.8	2710.3	2676.2	2664.9	2664.9
50°	1605.0	2051.6	2494.6	2479.4	2532.4	2577.8	2558.9	2532.4	2505.9	2464.3	2464.3
52.5°	1457.3	1866.2	2240.9	2297.7	2381.0	2407.5	2377.2	2350.7	2305.3	2286.4	2271.2
55°	1351.3	1673.2	2010.0	2123.5	2210.6	2244.7	2187.9	2161.5	2093.3	2081.9	2074.4
57.5°	1328.7	1393.0	1798.1	1941.9	2047.9	2044.1	2010.0	1960.8	1904.0	1892.7	1888.9
60°	1218.9	1006.9	1570.9	1741.3	1851.1	1839.7	1809.4	1764.0	1711.0	1703.4	1695.8
62.5°	1105.3	730.6	1313.5	1506.6	1661.8	1658.0	1631.5	1563.3	1525.5	1506.6	1491.4
65°	938.8	613.2	934.9	1253.0	1476.2	1483.9	1427.1	1377.9	1336.2	1313.5	1309.7
67.5°	715.4	499.7	632.1	1044.8	1298.4	1290.8	1218.9	1196.1	1143.1	1131.8	1109.1
70°	529.9	333.1	439.1	847.9	1124.2	1105.3	1048.5	1022.0	972.9	946.3	931.2
72.5°	439.1	268.7	321.7	658.7	946.3	923.6	874.4	844.1	802.5	779.8	764.7
75°	355.8	283.9	246.0	488.3	768.4	753.3	707.8	677.6	643.5	613.2	617.0
77.5°	261.2	265.0	196.8	359.7	609.5	586.8	560.2	522.4	507.2	476.9	476.9
80°	196.8	208.2	147.6	246.0	439.1	439.1	416.4	389.9	363.4	348.3	348.3
82.5°	132.5	132.5	109.7	155.2	299.0	287.6	272.6	265.0	249.8	242.3	242.3
85°	60.5	75.7	68.1	94.6	162.7	170.4	170.4	162.7	159.0	151.4	155.2
87.5°	18.9	34.1	41.6	53.0	83.3	87.1	90.8	90.8	90.8	94.6	94.6
90°	8.9	15.9	23.0	24.8	39.1	58.1	67.5	60.0	45.0	33.7	33.7
92.5°	35.5	95.9	156.3	171.4	240.9	333.7	380.1	333.1	239.2	168.7	162.1
95°	85.3	195.8	306.4	334.0	593.0	938.4	1111.0	991.5	752.3	572.8	552.5
97.5°	147.5	245.0	342.5	366.8	798.8	1374.6	1662.6	1586.9	1435.7	1322.4	1283.7
100°	195.4	283.8	372.3	394.3	873.6	1512.6	1832.2	1837.7	1848.8	1857.1	1811.0
102.5°	236.3	318.8	401.2	421.8	907.9	1556.1	1880.2	1976.5	2169.1	2313.6	2274.1
105°	305.5	375.4	445.2	462.7	933.4	1561.0	1874.9	2090.8	2522.6	2846.5	2825.3
107.5°	376.6	441.7	506.8	523.1	938.2	1491.6	1768.3	2069.5	2671.8	3123.5	3128.7
110°	424.5	483.3	542.2	556.9	931.0	1430.0	1679.5	2016.2	2689.6	3194.6	3216.6



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	471.6	527.6	583.7	597.7	931.4	1376.3	1598.7	1943.2	2632.5	3149.3	3183.2
115°	542.6	594.3	646.1	658.9	939.9	1314.6	1501.8	1833.8	2497.7	2995.6	3042.7
117.5°	612.8	659.8	706.7	718.4	957.4	1275.9	1435.2	1734.8	2333.9	2783.3	2835.6
120°	653.7	697.9	742.0	753.1	971.6	1262.9	1408.5	1682.2	2229.7	2640.4	2691.1
122.5°	693.6	738.2	782.8	794.0	992.1	1256.1	1388.1	1634.6	2127.6	2497.4	2547.5
125°	754.9	795.6	836.3	846.4	1019.6	1250.5	1365.9	1575.4	1994.1	2308.2	2354.4
127.5°	804.7	845.7	886.8	897.0	1047.2	1247.2	1347.3	1527.1	1886.7	2156.4	2195.3
130°	831.3	875.5	919.7	930.7	1067.2	1249.1	1340.2	1500.2	1820.3	2060.4	2096.3
132.5°	858.8	903.0	947.2	958.2	1083.4	1250.5	1333.9	1477.2	1763.8	1978.8	2010.9
135°	899.7	939.9	980.2	990.2	1101.3	1249.3	1323.3	1443.3	1683.3	1863.3	1891.0
137.5°	941.4	981.3	1021.2	1031.1	1128.0	1257.0	1321.5	1423.0	1625.9	1778.0	1800.7
140°	976.0	1012.7	1049.4	1058.6	1144.2	1258.3	1315.3	1403.0	1578.2	1709.6	1730.8
142.5°	1002.7	1036.7	1070.6	1079.1	1157.8	1262.8	1315.3	1392.3	1546.2	1661.7	1679.9
145°	1043.5	1073.1	1102.7	1110.2	1175.6	1262.8	1306.4	1369.4	1495.3	1589.8	1603.6
147.5°	1084.4	1113.2	1142.1	1149.2	1201.7	1271.5	1306.4	1356.0	1455.0	1529.3	1540.8
150°	1111.0	1137.1	1163.2	1169.7	1215.2	1276.1	1306.4	1348.3	1431.9	1494.7	1503.9
152.5°	1138.6	1158.3	1178.0	1183.0	1224.1	1279.0	1306.4	1342.2	1413.6	1467.2	1474.1
155°	1179.4	1194.0	1208.6	1212.3	1243.7	1285.5	1306.4	1334.9	1391.7	1434.3	1439.0
157.5°	1209.6	1223.8	1238.1	1241.6	1263.2	1292.0	1306.4	1328.5	1372.7	1405.9	1409.1
160°	1230.0	1241.1	1252.2	1255.0	1272.2	1295.0	1306.4	1325.3	1363.3	1391.7	1393.6
162.5°	1250.5	1258.8	1267.0	1269.1	1281.5	1298.1	1306.4	1322.4	1354.4	1378.4	1380.2
165°	1272.7	1280.2	1287.6	1289.5	1295.2	1302.7	1306.4	1317.9	1340.7	1357.9	1359.8
167.5°	1293.1	1296.6	1300.2	1301.1	1305.9	1312.2	1315.3	1322.8	1337.8	1349.0	1349.8
170°	1306.4	1310.0	1313.6	1314.5	1314.7	1315.1	1315.3	1322.8	1337.8	1349.0	1349.0
172.5°	1313.5	1314.3	1315.1	1315.3	1315.3	1315.3	1315.3	1321.2	1333.1	1342.0	1341.3
175°	1323.3	1323.3	1323.3	1323.3	1320.7	1317.1	1315.3	1319.0	1326.6	1332.2	1332.2
177.5°	1323.3	1323.3	1323.3	1323.3	1321.2	1318.5	1317.1	1320.1	1326.0	1330.4	1329.6
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	4103.3	4092.0	4103.3	4095.7	4099.5	4088.2	4054.1	4042.7	4054.1	4065.4	4065.4
5°	4152.5	4145.0	4152.5	4152.5	4148.7	4141.2	4103.3	4095.7	4103.3	4107.1	4099.5
7.5°	4167.6	4156.4	4167.6	4160.1	4160.1	4152.5	4114.7	4107.1	4110.9	4122.3	4110.9
10°	4167.6	4156.4	4167.6	4163.9	4160.1	4152.5	4114.7	4099.5	4099.5	4110.9	4099.5
12.5°	4148.7	4141.2	4148.7	4141.2	4141.2	4133.6	4095.7	4080.6	4084.3	4088.2	4073.1
15°	4118.4	4107.1	4118.4	4110.9	4114.7	4103.3	4061.7	4046.5	4046.5	4054.1	4027.6
17.5°	4073.1	4057.9	4073.1	4069.3	4065.4	4057.9	4020.1	4004.9	4001.1	4004.9	3986.0
20°	4020.1	4008.7	4020.1	4016.3	4016.3	4001.1	3963.2	3944.3	3944.3	3944.3	3925.4
22.5°	3936.8	3925.4	3936.8	3944.3	3944.3	3940.5	3906.4	3880.0	3872.4	3872.4	3849.7
25°	3842.2	3830.8	3842.2	3842.2	3838.3	3842.2	3830.8	3815.6	3804.2	3792.9	3770.2
27.5°	3751.2	3743.7	3751.2	3743.7	3751.2	3739.9	3736.2	3732.3	3717.2	3705.9	3675.6
30°	3660.4	3652.9	3660.4	3652.9	3645.3	3637.7	3618.8	3611.2	3626.3	3618.8	3569.6
32.5°	3546.9	3539.3	3546.9	3546.9	3539.3	3539.3	3509.1	3497.7	3501.4	3524.1	3478.7
35°	3429.5	3418.1	3429.5	3425.8	3429.5	3418.1	3399.2	3395.4	3380.3	3406.8	3372.8
37.5°	3293.2	3281.9	3293.2	3293.2	3293.2	3300.9	3285.7	3274.3	3251.6	3285.7	3259.2
40°	3153.2	3138.0	3153.2	3149.4	3153.2	3160.8	3153.2	3145.6	3122.9	3149.4	3126.7
42.5°	2994.2	2990.4	2994.2	2998.0	2998.0	3013.1	3024.5	3009.3	3001.8	2982.8	2998.0
45°	2823.8	2816.3	2823.8	2831.5	2835.2	2842.7	2876.8	2876.8	2865.5	2835.2	2857.9
47.5°	2642.2	2623.3	2642.2	2664.9	2664.9	2676.2	2710.3	2736.8	2717.8	2680.0	2691.4
50°	2449.1	2452.9	2449.1	2464.3	2464.3	2505.9	2532.4	2558.9	2577.8	2532.4	2479.4
52.5°	2259.8	2256.1	2259.8	2271.2	2286.4	2305.3	2350.7	2377.2	2407.5	2381.0	2297.7
55°	2070.5	2078.2	2070.5	2074.4	2081.9	2093.3	2161.5	2187.9	2244.7	2210.6	2123.5
57.5°	1881.4	1870.0	1881.4	1888.9	1892.7	1904.0	1960.8	2010.0	2044.1	2047.9	1941.9
60°	1661.8	1646.6	1661.8	1695.8	1703.4	1711.0	1764.0	1809.4	1839.7	1851.1	1741.3
62.5°	1468.7	1442.2	1468.7	1491.4	1506.6	1525.5	1563.3	1631.5	1658.0	1661.8	1506.6
65°	1264.3	1253.0	1264.3	1309.7	1313.5	1336.2	1377.9	1427.1	1483.9	1476.2	1253.0
67.5°	1078.9	1078.9	1078.9	1109.1	1131.8	1143.1	1196.1	1218.9	1290.8	1298.4	1044.8
70°	908.5	904.7	908.5	931.2	946.3	972.9	1022.0	1048.5	1105.3	1124.2	847.9
72.5°	745.8	741.9	745.8	764.7	779.8	802.5	844.1	874.4	923.6	946.3	658.7
75°	601.8	594.3	601.8	617.0	613.2	643.5	677.6	707.8	753.3	768.4	488.3
77.5°	461.8	461.8	461.8	476.9	476.9	507.2	522.4	560.2	586.8	609.5	359.7
80°	344.5	340.6	344.5	348.3	348.3	363.4	389.9	416.4	439.1	439.1	246.0
82.5°	242.3	234.6	242.3	242.3	242.3	249.8	265.0	272.6	287.6	299.0	155.2
85°	151.4	151.4	151.4	155.2	151.4	159.0	162.7	170.4	170.4	162.7	94.6
87.5°	98.5	94.6	98.5	94.6	94.6	90.8	90.8	90.8	87.1	83.3	53.0
90°	33.7	33.7	33.7	33.7	33.7	45.0	60.0	67.5	58.1	39.1	24.8
92.5°	135.2	108.4	135.2	162.1	168.7	239.2	333.1	380.1	333.7	240.9	171.4
95°	471.2	389.9	471.2	552.5	572.8	752.3	991.5	1111.0	938.4	593.0	334.0
97.5°	1129.0	974.3	1129.0	1283.7	1322.4	1435.7	1586.9	1662.6	1374.6	798.8	366.8
100°	1626.7	1442.3	1626.7	1811.0	1857.1	1848.8	1837.7	1832.2	1512.6	873.6	394.3
102.5°	2116.2	1958.3	2116.2	2274.1	2313.6	2169.1	1976.5	1880.2	1556.1	907.9	421.8
105°	2740.4	2655.5	2740.4	2825.3	2846.5	2522.6	2090.8	1874.9	1561.0	933.4	462.7
107.5°	3149.2	3169.7	3149.2	3128.7	3123.5	2671.8	2069.5	1768.3	1491.6	938.2	523.1
110°	3305.1	3393.5	3305.1	3216.6	3194.6	2689.6	2016.2	1679.5	1430.0	931.0	556.9



TEST NUMBER: P934901

CATALOG NUMBER: SQ4-FA-075U-100D-B40-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3319.0	3454.8	3319.0	3183.2	3149.3	2632.5	1943.2	1598.7	1376.3	931.4	597.7
115°	3231.0	3419.3	3231.0	3042.7	2995.6	2497.7	1833.8	1501.8	1314.6	939.9	658.9
117.5°	3044.3	3253.2	3044.3	2835.6	2783.3	2333.9	1734.8	1435.2	1275.9	957.4	718.4
120°	2894.0	3096.9	2894.0	2691.1	2640.4	2229.7	1682.2	1408.5	1262.9	971.6	753.1
122.5°	2747.5	2947.7	2747.5	2547.5	2497.4	2127.6	1634.6	1388.1	1256.1	992.1	794.0
125°	2538.7	2723.0	2538.7	2354.4	2308.2	1994.1	1575.4	1365.9	1250.5	1019.6	846.4
127.5°	2350.8	2506.3	2350.8	2195.3	2156.4	1886.7	1527.1	1347.3	1247.2	1047.2	897.0
130°	2240.0	2383.8	2240.0	2096.3	2060.4	1820.3	1500.2	1340.2	1249.1	1067.2	930.7
132.5°	2139.6	2268.3	2139.6	2010.9	1978.8	1763.8	1477.2	1333.9	1250.5	1083.4	958.2
135°	2002.0	2112.8	2002.0	1891.0	1863.3	1683.3	1443.3	1323.3	1249.3	1101.3	990.2
137.5°	1891.5	1982.3	1891.5	1800.7	1778.0	1625.9	1423.0	1321.5	1257.0	1128.0	1031.1
140°	1815.7	1900.5	1815.7	1730.8	1709.6	1578.2	1403.0	1315.3	1258.3	1144.2	1058.6
142.5°	1753.0	1826.0	1753.0	1679.9	1661.7	1546.2	1392.3	1315.3	1262.8	1157.8	1079.1
145°	1658.8	1714.0	1658.8	1603.6	1589.8	1495.3	1369.4	1306.4	1262.8	1175.6	1110.2
147.5°	1586.5	1632.4	1586.5	1540.8	1529.3	1455.0	1356.0	1306.4	1271.5	1201.7	1149.2
150°	1541.1	1578.2	1541.1	1503.9	1494.7	1431.9	1348.3	1306.4	1276.1	1215.2	1169.7
152.5°	1502.2	1530.2	1502.2	1474.1	1467.2	1413.6	1342.2	1306.4	1279.0	1224.1	1183.0
155°	1457.5	1476.0	1457.5	1439.0	1434.3	1391.7	1334.9	1306.4	1285.5	1243.7	1212.3
157.5°	1422.2	1435.2	1422.2	1409.1	1405.9	1372.7	1328.5	1306.4	1292.0	1263.2	1241.6
160°	1401.1	1408.5	1401.1	1393.6	1391.7	1363.3	1325.3	1306.4	1295.0	1272.2	1255.0
162.5°	1387.2	1394.4	1387.2	1380.2	1378.4	1354.4	1322.4	1306.4	1298.1	1281.5	1269.1
165°	1367.3	1374.8	1367.3	1359.8	1357.9	1340.7	1317.9	1306.4	1302.7	1295.2	1289.5
167.5°	1353.0	1356.2	1353.0	1349.8	1349.0	1337.8	1322.8	1315.3	1312.2	1305.9	1301.1
170°	1349.0	1349.0	1349.0	1349.0	1349.0	1337.8	1322.8	1315.3	1315.1	1314.7	1314.5
172.5°	1338.5	1335.8	1338.5	1341.3	1342.0	1333.1	1321.2	1315.3	1315.3	1315.3	1315.3
175°	1332.2	1332.2	1332.2	1332.2	1332.2	1326.6	1319.0	1315.3	1317.1	1320.7	1323.3
177.5°	1326.5	1323.3	1326.5	1329.6	1330.4	1326.0	1320.1	1317.1	1318.5	1321.2	1323.3
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	4057.9	4035.2	4035.2	3997.3	3982.2	3970.8	3951.9	3895.2	3880.0	3864.8	3887.5
5°	4092.0	4050.3	4020.1	3951.9	3895.2	3872.4	3800.5	3664.2	3573.3	3505.2	3467.4
7.5°	4099.5	4046.5	3989.7	3883.8	3747.5	3687.0	3467.4	3217.6	3149.4	3088.9	3050.9
10°	4092.0	4031.4	3951.9	3792.9	3471.1	3365.1	3145.6	2982.8	2941.2	2929.8	2941.2
12.5°	4065.4	4008.7	3898.9	3634.0	3183.5	3111.6	2982.8	2888.2	2880.7	2899.6	3001.8
15°	4020.1	3967.1	3838.3	3422.0	3024.5	2971.5	2880.7	2846.6	2888.2	3020.7	3327.3
17.5°	3974.6	3914.1	3755.1	3213.8	2903.4	2865.5	2801.1	2869.3	3103.9	3281.9	3384.1
20°	3914.1	3842.2	3660.4	3062.3	2816.3	2782.2	2751.9	3058.6	3236.5	3300.9	3357.6
22.5°	3842.2	3766.4	3531.7	2956.4	2725.5	2698.9	2717.8	3164.6	3236.5	3281.9	3331.1
25°	3747.5	3683.1	3380.3	2873.1	2653.6	2623.3	2695.2	3153.2	3194.9	3206.2	3304.6
27.5°	3660.4	3577.1	3221.3	2797.4	2566.5	2555.1	2714.1	3103.9	3134.3	3145.6	3251.6
30°	3554.4	3429.5	3043.4	2717.8	2475.6	2471.8	2717.8	3043.4	3035.8	3066.1	3172.1
32.5°	3444.7	3209.9	2842.7	2619.5	2388.6	2384.7	2691.4	2952.6	2945.0	2986.7	3066.1
35°	3342.5	3039.7	2570.3	2505.9	2278.8	2282.5	2627.0	2846.6	2850.4	2888.2	2937.4
37.5°	3236.5	2892.0	2271.2	2381.0	2172.8	2172.8	2539.9	2748.2	2740.6	2751.9	2820.1
40°	3111.6	2661.1	2006.3	2218.2	2074.4	2063.0	2434.0	2642.2	2615.6	2611.9	2706.6
42.5°	2979.0	2407.5	1809.4	2002.4	1960.8	1945.6	2305.3	2513.5	2464.3	2475.6	2596.7
45°	2835.2	2339.4	1658.0	1692.1	1843.4	1832.1	2165.2	2365.8	2331.7	2362.1	2487.0
47.5°	2691.4	2203.1	1608.8	1404.3	1718.5	1714.8	2010.0	2222.0	2203.1	2233.4	2365.8
50°	2494.6	2051.6	1605.0	1203.8	1578.5	1593.6	1824.5	2081.9	2081.9	2108.4	2248.5
52.5°	2240.9	1866.2	1457.3	1090.1	1415.7	1461.1	1661.8	1960.8	1968.4	1994.9	2119.8
55°	2010.0	1673.2	1351.3	1003.1	1222.7	1321.1	1502.8	1835.9	1851.1	1877.5	1991.1
57.5°	1798.1	1393.0	1328.7	900.9	1044.8	1139.4	1362.7	1714.8	1722.3	1745.1	1854.8
60°	1570.9	1006.9	1218.9	791.1	889.6	961.5	1234.1	1570.9	1597.4	1612.5	1707.2
62.5°	1313.5	730.6	1105.3	715.4	813.9	829.0	1128.0	1434.6	1468.7	1480.1	1536.9
65°	934.9	613.2	938.8	651.1	734.4	738.1	1014.5	1294.6	1324.9	1343.8	1385.4
67.5°	632.1	499.7	715.4	590.5	673.8	677.6	904.7	1131.8	1173.4	1188.6	1215.1
70°	439.1	333.1	529.9	526.2	605.7	613.2	787.4	984.2	1022.0	1033.4	1048.5
72.5°	321.7	268.7	439.1	473.2	533.7	541.3	666.2	817.7	855.5	866.9	874.4
75°	246.0	283.9	355.8	412.6	454.2	458.0	545.1	666.2	692.8	700.3	704.0
77.5°	196.8	265.0	261.2	333.1	370.9	363.4	427.7	514.8	537.5	537.5	537.5
80°	147.6	208.2	196.8	238.5	272.6	265.0	306.7	367.2	374.7	382.3	378.6
82.5°	109.7	132.5	132.5	151.4	181.7	174.1	204.4	238.5	238.5	238.5	246.0
85°	68.1	75.7	60.5	79.5	102.2	98.5	113.5	128.7	132.5	132.5	124.9
87.5°	41.6	34.1	18.9	30.3	45.5	45.5	53.0	56.8	53.0	53.0	53.0
90°	23.0	15.9	8.9	15.9	23.0	24.8	39.1	58.1	67.5	60.0	45.0
92.5°	156.3	95.9	35.5	95.9	156.3	171.4	240.9	333.7	380.1	333.1	239.2
95°	306.4	195.8	85.3	195.8	306.4	334.0	593.0	938.4	1111.0	991.5	752.3
97.5°	342.5	245.0	147.5	245.0	342.5	366.8	798.8	1374.6	1662.6	1586.9	1435.7
100°	372.3	283.8	195.4	283.8	372.3	394.3	873.6	1512.6	1832.2	1837.7	1848.8
102.5°	401.2	318.8	236.3	318.8	401.2	421.8	907.9	1556.1	1880.2	1976.5	2169.1
105°	445.2	375.4	305.5	375.4	445.2	462.7	933.4	1561.0	1874.9	2090.8	2522.6
107.5°	506.8	441.7	376.6	441.7	506.8	523.1	938.2	1491.6	1768.3	2069.5	2671.8
110°	542.2	483.3	424.5	483.3	542.2	556.9	931.0	1430.0	1679.5	2016.2	2689.6



TEST NUMBER: P934901

CATALOG NUMBER: SQ4-FA-075U-100D-B40-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	583.7	527.6	471.6	527.6	583.7	597.7	931.4	1376.3	1598.7	1943.2	2632.5
115°	646.1	594.3	542.6	594.3	646.1	658.9	939.9	1314.6	1501.8	1833.8	2497.7
117.5°	706.7	659.8	612.8	659.8	706.7	718.4	957.4	1275.9	1435.2	1734.8	2333.9
120°	742.0	697.9	653.7	697.9	742.0	753.1	971.6	1262.9	1408.5	1682.2	2229.7
122.5°	782.8	738.2	693.6	738.2	782.8	794.0	992.1	1256.1	1388.1	1634.6	2127.6
125°	836.3	795.6	754.9	795.6	836.3	846.4	1019.6	1250.5	1365.9	1575.4	1994.1
127.5°	886.8	845.7	804.7	845.7	886.8	897.0	1047.2	1247.2	1347.3	1527.1	1886.7
130°	919.7	875.5	831.3	875.5	919.7	930.7	1067.2	1249.1	1340.2	1500.2	1820.3
132.5°	947.2	903.0	858.8	903.0	947.2	958.2	1083.4	1250.5	1333.9	1477.2	1763.8
135°	980.2	939.9	899.7	939.9	980.2	990.2	1101.3	1249.3	1323.3	1443.3	1683.3
137.5°	1021.2	981.3	941.4	981.3	1021.2	1031.1	1128.0	1257.0	1321.5	1423.0	1625.9
140°	1049.4	1012.7	976.0	1012.7	1049.4	1058.6	1144.2	1258.3	1315.3	1403.0	1578.2
142.5°	1070.6	1036.7	1002.7	1036.7	1070.6	1079.1	1157.8	1262.8	1315.3	1392.3	1546.2
145°	1102.7	1073.1	1043.5	1073.1	1102.7	1110.2	1175.6	1262.8	1306.4	1369.4	1495.3
147.5°	1142.1	1113.2	1084.4	1113.2	1142.1	1149.2	1201.7	1271.5	1306.4	1356.0	1455.0
150°	1163.2	1137.1	1111.0	1137.1	1163.2	1169.7	1215.2	1276.1	1306.4	1348.3	1431.9
152.5°	1178.0	1158.3	1138.6	1158.3	1178.0	1183.0	1224.1	1279.0	1306.4	1342.2	1413.6
155°	1208.6	1194.0	1179.4	1194.0	1208.6	1212.3	1243.7	1285.5	1306.4	1334.9	1391.7
157.5°	1238.1	1223.8	1209.6	1223.8	1238.1	1241.6	1263.2	1292.0	1306.4	1328.5	1372.7
160°	1252.2	1241.1	1230.0	1241.1	1252.2	1255.0	1272.2	1295.0	1306.4	1325.3	1363.3
162.5°	1267.0	1258.8	1250.5	1258.8	1267.0	1269.1	1281.5	1298.1	1306.4	1322.4	1354.4
165°	1287.6	1280.2	1272.7	1280.2	1287.6	1289.5	1295.2	1302.7	1306.4	1317.9	1340.7
167.5°	1300.2	1296.6	1293.1	1296.6	1300.2	1301.1	1305.9	1312.2	1315.3	1322.8	1337.8
170°	1313.6	1310.0	1306.4	1310.0	1313.6	1314.5	1314.7	1315.1	1315.3	1322.8	1337.8
172.5°	1315.1	1314.3	1313.5	1314.3	1315.1	1315.3	1315.3	1315.3	1315.3	1321.2	1333.1
175°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1320.7	1317.1	1315.3	1319.0	1326.6
177.5°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1321.2	1318.5	1317.1	1320.1	1326.0
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



TEST NUMBER: P934901

CATALOG NUMBER: SQ4-FA-075U-100D-B40-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	3861.1	3849.7	3864.8	3823.2	3864.8	3849.7	3861.1	3887.5	3864.8	3880.0	3895.2
5°	3387.9	3369.0	3308.4	3259.2	3308.4	3369.0	3387.9	3467.4	3505.2	3573.3	3664.2
7.5°	3028.3	3013.1	2998.0	2967.7	2998.0	3013.1	3028.3	3050.9	3088.9	3149.4	3217.6
10°	2948.8	2952.6	2975.3	2971.5	2975.3	2952.6	2948.8	2941.2	2929.8	2941.2	2982.8
12.5°	3153.2	3187.2	3312.1	3304.6	3312.1	3187.2	3153.2	3001.8	2899.6	2880.7	2888.2
15°	3387.9	3399.2	3425.8	3429.5	3425.8	3399.2	3387.9	3327.3	3020.7	2888.2	2846.6
17.5°	3410.6	3414.4	3433.3	3433.3	3433.3	3414.4	3410.6	3384.1	3281.9	3103.9	2869.3
20°	3391.7	3399.2	3437.0	3444.7	3437.0	3399.2	3391.7	3357.6	3300.9	3236.5	3058.6
22.5°	3384.1	3399.2	3429.5	3425.8	3429.5	3399.2	3384.1	3331.1	3281.9	3236.5	3164.6
25°	3346.2	3346.2	3350.0	3353.8	3350.0	3346.2	3346.2	3304.6	3206.2	3194.9	3153.2
27.5°	3266.8	3274.3	3297.0	3293.2	3297.0	3274.3	3266.8	3251.6	3145.6	3134.3	3103.9
30°	3194.9	3187.2	3168.3	3153.2	3168.3	3187.2	3194.9	3172.1	3066.1	3035.8	3043.4
32.5°	3073.7	3054.8	3035.8	3024.5	3035.8	3054.8	3073.7	3066.1	2986.7	2945.0	2952.6
35°	2929.8	2933.7	2929.8	2918.5	2929.8	2933.7	2929.8	2937.4	2888.2	2850.4	2846.6
37.5°	2827.7	2835.2	2831.5	2816.3	2831.5	2835.2	2827.7	2820.1	2751.9	2740.6	2748.2
40°	2721.7	2725.5	2721.7	2710.3	2721.7	2725.5	2721.7	2706.6	2611.9	2615.6	2642.2
42.5°	2619.5	2615.6	2604.3	2596.7	2604.3	2615.6	2619.5	2596.7	2475.6	2464.3	2513.5
45°	2502.1	2505.9	2483.2	2471.8	2483.2	2505.9	2502.1	2487.0	2362.1	2331.7	2365.8
47.5°	2384.7	2384.7	2365.8	2354.5	2365.8	2384.7	2384.7	2365.8	2233.4	2203.1	2222.0
50°	2259.8	2256.1	2229.5	2225.8	2229.5	2256.1	2259.8	2248.5	2108.4	2081.9	2081.9
52.5°	2116.0	2116.0	2119.8	2127.4	2119.8	2116.0	2116.0	2119.8	1994.9	1968.4	1960.8
55°	1991.1	1994.9	2021.4	2028.9	2021.4	1994.9	1991.1	1991.1	1877.5	1851.1	1835.9
57.5°	1862.3	1862.3	1881.4	1881.4	1881.4	1862.3	1862.3	1854.8	1745.1	1722.3	1714.8
60°	1714.8	1722.3	1737.4	1733.7	1737.4	1722.3	1714.8	1707.2	1612.5	1597.4	1570.9
62.5°	1559.5	1567.2	1570.9	1563.3	1570.9	1567.2	1559.5	1536.9	1480.1	1468.7	1434.6
65°	1396.8	1404.3	1408.1	1400.6	1408.1	1404.3	1396.8	1385.4	1343.8	1324.9	1294.6
67.5°	1230.2	1226.4	1222.7	1237.8	1222.7	1226.4	1230.2	1215.1	1188.6	1173.4	1131.8
70°	1059.9	1059.9	1056.1	1063.7	1056.1	1059.9	1059.9	1048.5	1033.4	1022.0	984.2
72.5°	878.2	874.4	889.6	878.2	889.6	874.4	878.2	874.4	866.9	855.5	817.7
75°	700.3	707.8	700.3	711.7	700.3	707.8	700.3	704.0	700.3	692.8	666.2
77.5°	533.7	541.3	533.7	533.7	533.7	541.3	533.7	537.5	537.5	537.5	514.8
80°	378.6	374.7	374.7	370.9	374.7	374.7	378.6	378.6	382.3	374.7	367.2
82.5°	242.3	238.5	238.5	246.0	238.5	238.5	242.3	246.0	238.5	238.5	238.5
85°	132.5	136.3	128.7	128.7	128.7	136.3	132.5	124.9	132.5	132.5	128.7
87.5°	49.2	45.5	45.5	45.5	45.5	45.5	49.2	53.0	53.0	53.0	56.8
90°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	45.0	60.0	67.5	58.1
92.5°	168.7	162.1	135.2	108.4	135.2	162.1	168.7	239.2	333.1	380.1	333.7
95°	572.8	552.5	471.2	389.9	471.2	552.5	572.8	752.3	991.5	1111.0	938.4
97.5°	1322.4	1283.7	1129.0	974.3	1129.0	1283.7	1322.4	1435.7	1586.9	1662.6	1374.6
100°	1857.1	1811.0	1626.7	1442.3	1626.7	1811.0	1857.1	1848.8	1837.7	1832.2	1512.6
102.5°	2313.6	2274.1	2116.2	1958.3	2116.2	2274.1	2313.6	2169.1	1976.5	1880.2	1556.1
105°	2846.5	2825.3	2740.4	2655.5	2740.4	2825.3	2846.5	2522.6	2090.8	1874.9	1561.0
107.5°	3123.5	3128.7	3149.2	3169.7	3149.2	3128.7	3123.5	2671.8	2069.5	1768.3	1491.6
110°	3194.6	3216.6	3305.1	3393.5	3305.1	3216.6	3194.6	2689.6	2016.2	1679.5	1430.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3149.3	3183.2	3319.0	3454.8	3319.0	3183.2	3149.3	2632.5	1943.2	1598.7	1376.3
115°	2995.6	3042.7	3231.0	3419.3	3231.0	3042.7	2995.6	2497.7	1833.8	1501.8	1314.6
117.5°	2783.3	2835.6	3044.3	3253.2	3044.3	2835.6	2783.3	2333.9	1734.8	1435.2	1275.9
120°	2640.4	2691.1	2894.0	3096.9	2894.0	2691.1	2640.4	2229.7	1682.2	1408.5	1262.9
122.5°	2497.4	2547.5	2747.5	2947.7	2747.5	2547.5	2497.4	2127.6	1634.6	1388.1	1256.1
125°	2308.2	2354.4	2538.7	2723.0	2538.7	2354.4	2308.2	1994.1	1575.4	1365.9	1250.5
127.5°	2156.4	2195.3	2350.8	2506.3	2350.8	2195.3	2156.4	1886.7	1527.1	1347.3	1247.2
130°	2060.4	2096.3	2240.0	2383.8	2240.0	2096.3	2060.4	1820.3	1500.2	1340.2	1249.1
132.5°	1978.8	2010.9	2139.6	2268.3	2139.6	2010.9	1978.8	1763.8	1477.2	1333.9	1250.5
135°	1863.3	1891.0	2002.0	2112.8	2002.0	1891.0	1863.3	1683.3	1443.3	1323.3	1249.3
137.5°	1778.0	1800.7	1891.5	1982.3	1891.5	1800.7	1778.0	1625.9	1423.0	1321.5	1257.0
140°	1709.6	1730.8	1815.7	1900.5	1815.7	1730.8	1709.6	1578.2	1403.0	1315.3	1258.3
142.5°	1661.7	1679.9	1753.0	1826.0	1753.0	1679.9	1661.7	1546.2	1392.3	1315.3	1262.8
145°	1589.8	1603.6	1658.8	1714.0	1658.8	1603.6	1589.8	1495.3	1369.4	1306.4	1262.8
147.5°	1529.3	1540.8	1586.5	1632.4	1586.5	1540.8	1529.3	1455.0	1356.0	1306.4	1271.5
150°	1494.7	1503.9	1541.1	1578.2	1541.1	1503.9	1494.7	1431.9	1348.3	1306.4	1276.1
152.5°	1467.2	1474.1	1502.2	1530.2	1502.2	1474.1	1467.2	1413.6	1342.2	1306.4	1279.0
155°	1434.3	1439.0	1457.5	1476.0	1457.5	1439.0	1434.3	1391.7	1334.9	1306.4	1285.5
157.5°	1405.9	1409.1	1422.2	1435.2	1422.2	1409.1	1405.9	1372.7	1328.5	1306.4	1292.0
160°	1391.7	1393.6	1401.1	1408.5	1401.1	1393.6	1391.7	1363.3	1325.3	1306.4	1295.0
162.5°	1378.4	1380.2	1387.2	1394.4	1387.2	1380.2	1378.4	1354.4	1322.4	1306.4	1298.1
165°	1357.9	1359.8	1367.3	1374.8	1367.3	1359.8	1357.9	1340.7	1317.9	1306.4	1302.7
167.5°	1349.0	1349.8	1353.0	1356.2	1353.0	1349.8	1349.0	1337.8	1322.8	1315.3	1312.2
170°	1349.0	1349.0	1349.0	1349.0	1349.0	1349.0	1349.0	1337.8	1322.8	1315.3	1315.1
172.5°	1342.0	1341.3	1338.5	1335.8	1338.5	1341.3	1342.0	1333.1	1321.2	1315.3	1315.3
175°	1332.2	1332.2	1332.2	1332.2	1332.2	1332.2	1332.2	1326.6	1319.0	1315.3	1317.1
177.5°	1330.4	1329.6	1326.5	1323.3	1326.5	1329.6	1330.4	1326.0	1320.1	1317.1	1318.5
180°	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3	1323.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4001.1	4001.1	4001.1	4001.1	4001.1
2.5°	3951.9	3970.8	3982.2	3997.3	4035.2
5°	3800.5	3872.4	3895.2	3951.9	4020.1
7.5°	3467.4	3687.0	3747.5	3883.8	3989.7
10°	3145.6	3365.1	3471.1	3792.9	3951.9
12.5°	2982.8	3111.6	3183.5	3634.0	3898.9
15°	2880.7	2971.5	3024.5	3422.0	3838.3
17.5°	2801.1	2865.5	2903.4	3213.8	3755.1
20°	2751.9	2782.2	2816.3	3062.3	3660.4
22.5°	2717.8	2698.9	2725.5	2956.4	3531.7
25°	2695.2	2623.3	2653.6	2873.1	3380.3
27.5°	2714.1	2555.1	2566.5	2797.4	3221.3
30°	2717.8	2471.8	2475.6	2717.8	3043.4
32.5°	2691.4	2384.7	2388.6	2619.5	2842.7
35°	2627.0	2282.5	2278.8	2505.9	2570.3
37.5°	2539.9	2172.8	2172.8	2381.0	2271.2
40°	2434.0	2063.0	2074.4	2218.2	2006.3
42.5°	2305.3	1945.6	1960.8	2002.4	1809.4
45°	2165.2	1832.1	1843.4	1692.1	1658.0
47.5°	2010.0	1714.8	1718.5	1404.3	1608.8
50°	1824.5	1593.6	1578.5	1203.8	1605.0
52.5°	1661.8	1461.1	1415.7	1090.1	1457.3
55°	1502.8	1321.1	1222.7	1003.1	1351.3
57.5°	1362.7	1139.4	1044.8	900.9	1328.7
60°	1234.1	961.5	889.6	791.1	1218.9
62.5°	1128.0	829.0	813.9	715.4	1105.3
65°	1014.5	738.1	734.4	651.1	938.8
67.5°	904.7	677.6	673.8	590.5	715.4
70°	787.4	613.2	605.7	526.2	529.9
72.5°	666.2	541.3	533.7	473.2	439.1
75°	545.1	458.0	454.2	412.6	355.8
77.5°	427.7	363.4	370.9	333.1	261.2
80°	306.7	265.0	272.6	238.5	196.8
82.5°	204.4	174.1	181.7	151.4	132.5
85°	113.5	98.5	102.2	79.5	60.5
87.5°	53.0	45.5	45.5	30.3	18.9
90°	39.1	24.8	23.0	15.9	8.9
92.5°	240.9	171.4	156.3	95.9	35.5
95°	593.0	334.0	306.4	195.8	85.3
97.5°	798.8	366.8	342.5	245.0	147.5
100°	873.6	394.3	372.3	283.8	195.4
102.5°	907.9	421.8	401.2	318.8	236.3
105°	933.4	462.7	445.2	375.4	305.5
107.5°	938.2	523.1	506.8	441.7	376.6
110°	931.0	556.9	542.2	483.3	424.5



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CATALOG NUMBER: SQ4-FA-075U-100D-B40-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	931.4	597.7	583.7	527.6	471.6
115°	939.9	658.9	646.1	594.3	542.6
117.5°	957.4	718.4	706.7	659.8	612.8
120°	971.6	753.1	742.0	697.9	653.7
122.5°	992.1	794.0	782.8	738.2	693.6
125°	1019.6	846.4	836.3	795.6	754.9
127.5°	1047.2	897.0	886.8	845.7	804.7
130°	1067.2	930.7	919.7	875.5	831.3
132.5°	1083.4	958.2	947.2	903.0	858.8
135°	1101.3	990.2	980.2	939.9	899.7
137.5°	1128.0	1031.1	1021.2	981.3	941.4
140°	1144.2	1058.6	1049.4	1012.7	976.0
142.5°	1157.8	1079.1	1070.6	1036.7	1002.7
145°	1175.6	1110.2	1102.7	1073.1	1043.5
147.5°	1201.7	1149.2	1142.1	1113.2	1084.4
150°	1215.2	1169.7	1163.2	1137.1	1111.0
152.5°	1224.1	1183.0	1178.0	1158.3	1138.6
155°	1243.7	1212.3	1208.6	1194.0	1179.4
157.5°	1263.2	1241.6	1238.1	1223.8	1209.6
160°	1272.2	1255.0	1252.2	1241.1	1230.0
162.5°	1281.5	1269.1	1267.0	1258.8	1250.5
165°	1295.2	1289.5	1287.6	1280.2	1272.7
167.5°	1305.9	1301.1	1300.2	1296.6	1293.1
170°	1314.7	1314.5	1313.6	1310.0	1306.4
172.5°	1315.3	1315.3	1315.1	1314.3	1313.5
175°	1320.7	1323.3	1323.3	1323.3	1323.3
177.5°	1321.2	1323.3	1323.3	1323.3	1323.3
180°	1323.3	1323.3	1323.3	1323.3	1323.3



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.98	14.89	14.90	15.82	17.02	16.83	17.74	17.75	18.67	19.87
	3H	14.46	15.27	15.39	16.22	17.44	18.19	19.00	19.11	19.94	21.17
	4H	14.65	15.42	15.60	16.37	17.60	18.64	19.41	19.58	20.35	21.59
	6H	14.78	15.48	15.73	16.44	17.68	18.93	19.64	19.88	20.59	21.84
	8H	14.78	15.45	15.74	16.42	17.67	19.01	19.68	19.97	20.65	21.90
	12H	14.75	15.39	15.72	16.36	17.63	19.05	19.69	20.02	20.66	21.93
4H	2H	15.02	15.79	15.97	16.74	17.97	17.25	18.01	18.19	18.96	20.20
	3H	16.06	16.69	17.01	17.67	18.92	18.76	19.40	19.72	20.38	21.63
	4H	16.33	16.92	17.30	17.89	19.16	19.30	19.88	20.26	20.85	22.13
	6H	16.46	16.96	17.44	17.96	19.23	19.67	20.17	20.65	21.17	22.44
	8H	16.47	16.94	17.45	17.93	19.21	19.78	20.25	20.76	21.24	22.53
	12H	16.44	16.86	17.44	17.87	19.16	19.84	20.27	20.84	21.27	22.57
8H	4H	16.79	17.26	17.78	18.25	19.54	19.42	19.89	20.41	20.88	22.17
	6H	17.06	17.45	18.06	18.48	19.76	19.87	20.26	20.87	21.29	22.57
	8H	17.10	17.44	18.12	18.46	19.77	20.02	20.37	21.04	21.39	22.69
	12H	17.09	17.39	18.11	18.40	19.75	20.13	20.43	21.15	21.44	22.79
12H	4H	16.80	17.23	17.80	18.23	19.53	19.39	19.81	20.39	20.82	22.11
	6H	17.12	17.46	18.13	18.48	19.78	19.87	20.21	20.88	21.23	22.53
	8H	17.19	17.49	18.21	18.50	19.85	20.03	20.33	21.05	21.35	22.70