

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: P934809

Luminaire Tested: SQ4-FA-075U-100D-830-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934809
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-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

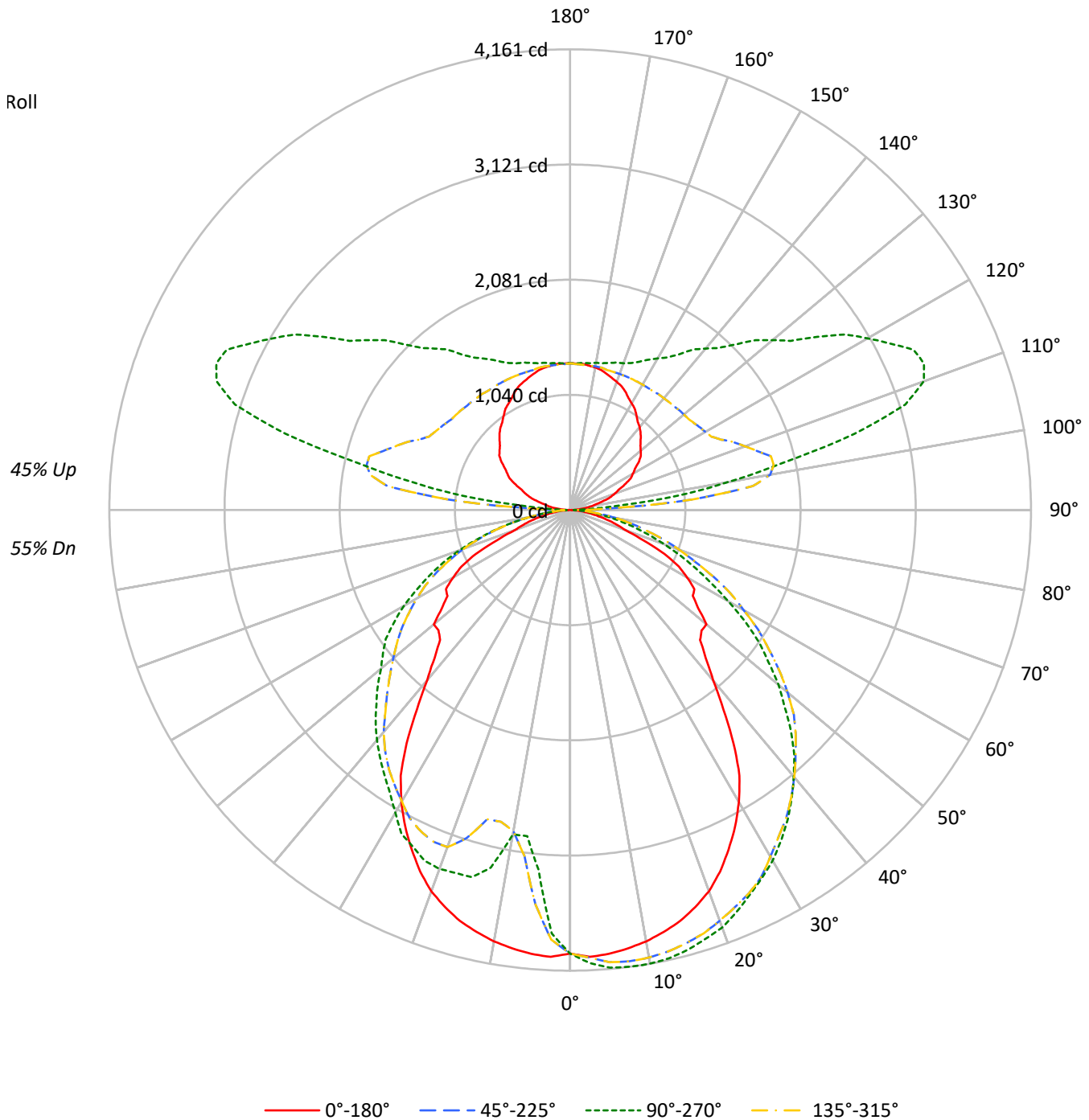
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18977.5 lumens
Efficiency: N/A
Efficacy: 123.6 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

TEST NUMBER: P934809
CATALOG NUMBER: SQ4-FA-075U-100D-830-1D-UNV-STD-W-12

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°	12389	12389	12389	12389
5°	12486	12506	12486	9833
10°	12407	12319	12407	8807
15°	12277	12052	12277	10064
20°	12025	11736	12025	10085
25°	11504	11275	11504	9871
30°	10829	10892	10829	9402
35°	9659	10407	9659	8886
40°	8053	9837	8053	8496
45°	7200	9170	7200	8048
50°	7655	8374	7655	7599
55°	7209	7517	7209	7338
60°	7440	6384	7440	6722
65°	6757	5277	6757	5899
70°	4690	4206	4690	4945
75°	4128	3109	4128	3723
80°	3351	2055	3351	2238
85°	1964	1088	1964	926

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 11028 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.5	1.9
10°-20°	1026.5	5.4
20°-30°	1586.8	8.4
30°-40°	1894.3	10.0
40°-50°	1905.5	10.0
50°-60°	1658.0	8.7
60°-70°	1175.5	6.2
70°-80°	621.9	3.3
80°-90°	159.9	0.8
90°-100°	645.7	3.4
100°-110°	1697.7	8.9
110°-120°	1760.3	9.3
120°-130°	1411.9	7.4
130°-140°	1107.9	5.8
140°-150°	850.3	4.5
150°-160°	612.4	3.2
160°-170°	374.7	2.0
170°-180°	126.6	0.7
0°-30°	2974.9	15.7
0°-40°	4869.3	25.7
0°-60°	8432.7	44.4
0°-90°	10390.1	54.7
90°-120°	4103.6	21.6
90°-150°	7473.8	39.4
90°-180°	8587.0	45.2
0°-180°	18977.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4005	4005	4005	4005	4005	
5°	4024	4149	4024	3263	4024	382
15°	3842	4111	3842	3433	3842	1081
25°	3384	3835	3384	3357	3384	1554
35°	2573	3422	2573	2922	2573	1592
45°	1660	2819	1660	2474	1660	1330
55°	1353	2080	1353	2031	1353	1243
65°	940	1254	940	1402	940	898
75°	356	595	356	712	356	375
85°	61	152	61	129	61	82
90°	9	34	9	34	9	10
95°	85	390	85	390	85	95
105°	306	2658	306	2658	306	324
115°	543	3423	543	3423	543	537
125°	756	2726	756	2726	756	671
135°	901	2115	901	2115	901	697
145°	1045	1716	1045	1716	1045	654
155°	1181	1478	1181	1478	1181	542
165°	1274	1376	1274	1376	1274	360
175°	1325	1334	1325	1334	1325	126
180°	1325	1325	1325	1325	1325	



TEST NUMBER: P934809

CATALOG NUMBER: SQ4-FA-075U-100D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3
2.5°	4039.4	4039.4	4062.1	4069.7	4069.7	4058.3	4046.9	4058.3	4092.4	4103.8	4100.0
5°	4024.3	4054.6	4096.3	4103.8	4111.4	4107.6	4100.0	4107.6	4145.5	4153.1	4156.9
7.5°	3993.9	4050.8	4103.8	4115.2	4126.6	4115.2	4111.4	4119.0	4156.9	4164.4	4164.4
10°	3956.0	4035.7	4096.3	4103.8	4115.2	4103.8	4103.8	4119.0	4156.9	4164.4	4168.3
12.5°	3903.0	4012.9	4069.7	4077.3	4092.4	4088.6	4084.9	4100.0	4138.0	4145.5	4145.5
15°	3842.4	3971.2	4024.3	4031.8	4058.3	4050.8	4050.8	4066.0	4107.6	4119.0	4115.2
17.5°	3759.0	3918.2	3978.8	3990.2	4009.1	4005.3	4009.1	4024.3	4062.1	4069.7	4073.5
20°	3664.3	3846.2	3918.2	3929.5	3948.5	3948.5	3948.5	3967.4	4005.3	4020.5	4020.5
22.5°	3535.4	3770.4	3846.2	3853.7	3876.5	3876.5	3884.0	3910.5	3944.6	3948.5	3948.5
25°	3383.9	3687.0	3751.4	3774.2	3796.8	3808.2	3819.6	3834.8	3846.2	3842.4	3846.2
27.5°	3224.7	3580.9	3664.3	3679.5	3709.8	3721.1	3736.2	3740.1	3743.8	3755.2	3747.6
30°	3046.6	3433.1	3558.1	3573.3	3622.6	3630.1	3615.0	3622.6	3641.5	3649.1	3656.7
32.5°	2845.7	3213.3	3448.3	3482.3	3527.8	3505.1	3501.4	3512.7	3543.0	3543.0	3550.6
35°	2573.0	3042.9	3346.0	3376.3	3410.3	3383.9	3399.0	3402.8	3421.7	3433.1	3429.4
37.5°	2273.6	2895.1	3239.9	3262.6	3289.1	3255.0	3277.7	3289.1	3304.3	3296.7	3296.7
40°	2008.4	2663.9	3114.8	3129.9	3152.7	3126.2	3148.9	3156.5	3164.1	3156.5	3152.7
42.5°	1811.3	2410.0	2982.1	3001.2	2986.0	3004.9	3012.5	3027.7	3016.3	3001.2	3001.2
45°	1659.7	2341.8	2838.2	2860.9	2838.2	2868.5	2879.9	2879.9	2845.7	2838.2	2834.4
47.5°	1610.5	2205.4	2694.2	2694.2	2682.8	2720.7	2739.7	2713.1	2679.0	2667.7	2667.7
50°	1606.7	2053.8	2497.2	2482.0	2535.0	2580.5	2561.6	2535.0	2508.5	2466.9	2466.9
52.5°	1458.9	1868.1	2243.3	2300.1	2383.5	2410.0	2379.7	2353.2	2307.7	2288.8	2273.6
55°	1352.7	1674.9	2012.1	2125.8	2212.9	2247.1	2190.2	2163.7	2095.5	2084.1	2076.5
57.5°	1330.1	1394.4	1800.0	1943.9	2050.0	2046.2	2012.1	1962.9	1906.0	1894.7	1890.9
60°	1220.1	1007.9	1572.5	1743.1	1853.0	1841.6	1811.3	1765.8	1712.8	1705.2	1697.6
62.5°	1106.5	731.3	1314.9	1508.2	1663.5	1659.7	1633.2	1565.0	1527.1	1508.2	1493.0
65°	939.7	613.8	935.9	1254.3	1477.8	1485.4	1428.6	1379.3	1337.6	1314.9	1311.1
67.5°	716.1	500.2	632.8	1045.9	1299.8	1292.1	1220.1	1197.4	1144.3	1133.0	1110.3
70°	530.5	333.5	439.6	848.8	1125.4	1106.5	1049.6	1023.1	973.9	947.3	932.2
72.5°	439.6	269.0	322.1	659.4	947.3	924.5	875.3	845.0	803.3	780.6	765.5
75°	356.2	284.2	246.3	488.8	769.2	754.1	708.6	678.3	644.2	613.8	617.7
77.5°	261.5	265.3	197.0	360.0	610.1	587.4	560.8	522.9	507.7	477.4	477.4
80°	197.0	208.4	147.8	246.3	439.6	439.6	416.8	390.3	363.8	348.7	348.7
82.5°	132.6	132.6	109.8	155.4	299.3	287.9	272.8	265.3	250.1	242.5	242.5
85°	60.6	75.8	68.2	94.7	162.9	170.6	170.6	162.9	159.2	151.5	155.4
87.5°	18.9	34.1	41.7	53.1	83.4	87.2	90.9	90.9	90.9	94.7	94.7
90°	8.9	16.0	23.0	24.9	39.1	58.1	67.6	60.0	45.0	33.7	33.7
92.5°	35.6	96.0	156.5	171.6	241.2	334.0	380.5	333.5	239.5	168.9	162.2
95°	85.4	196.0	306.7	334.3	593.6	939.4	1112.2	992.5	753.0	573.4	553.0
97.5°	147.6	245.2	342.8	367.2	799.6	1376.1	1664.3	1588.6	1437.3	1323.8	1285.1
100°	195.6	284.1	372.6	394.7	874.5	1514.2	1834.1	1839.6	1850.7	1859.0	1812.9
102.5°	236.5	319.1	401.6	422.3	908.9	1557.7	1882.2	1978.5	2171.4	2316.0	2276.5
105°	305.8	375.8	445.7	463.2	934.4	1562.7	1876.8	2093.0	2525.3	2849.5	2828.2
107.5°	377.0	442.2	507.3	523.7	939.2	1493.2	1770.1	2071.7	2674.6	3126.8	3132.0
110°	424.9	483.8	542.7	557.4	932.0	1431.5	1681.2	2018.3	2692.4	3197.9	3220.0



TEST NUMBER: P934809

CATALOG NUMBER: SQ4-FA-075U-100D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	472.1	528.2	584.3	598.4	932.4	1377.7	1600.3	1945.3	2635.2	3152.6	3186.5
115°	543.2	594.9	646.7	659.6	940.9	1315.9	1503.4	1835.7	2500.3	2998.8	3045.9
117.5°	613.5	660.5	707.4	719.2	958.4	1277.2	1436.7	1736.6	2336.4	2786.3	2838.6
120°	654.4	698.6	742.8	753.9	972.6	1264.2	1410.0	1684.0	2232.1	2643.1	2693.9
122.5°	694.3	739.0	783.6	794.8	993.1	1257.4	1389.5	1636.3	2129.9	2500.0	2550.1
125°	755.7	796.4	837.2	847.3	1020.6	1251.8	1367.4	1577.0	1996.2	2310.7	2356.8
127.5°	805.5	846.6	887.7	898.0	1048.3	1248.5	1348.7	1528.7	1888.7	2158.6	2197.6
130°	832.2	876.5	920.6	931.7	1068.3	1250.4	1341.6	1501.8	1822.2	2062.6	2098.5
132.5°	859.7	904.0	948.2	959.3	1084.6	1251.8	1335.3	1478.7	1765.6	1980.8	2013.0
135°	900.6	940.9	981.2	991.3	1102.5	1250.6	1324.7	1444.8	1685.0	1865.3	1893.0
137.5°	942.4	982.3	1022.3	1032.2	1129.1	1258.3	1322.9	1424.4	1627.6	1779.9	1802.6
140°	977.0	1013.7	1050.5	1059.7	1145.4	1259.6	1316.7	1404.5	1579.9	1711.4	1732.7
142.5°	1003.7	1037.7	1071.7	1080.2	1159.1	1264.1	1316.7	1393.8	1547.9	1663.4	1681.7
145°	1044.6	1074.3	1103.9	1111.4	1176.8	1264.1	1307.8	1370.8	1496.9	1591.5	1605.3
147.5°	1085.5	1114.4	1143.3	1150.5	1202.9	1272.8	1307.8	1357.4	1456.6	1530.9	1542.4
150°	1112.2	1138.3	1164.4	1170.9	1216.5	1277.4	1307.8	1349.7	1433.4	1496.2	1505.5
152.5°	1139.7	1159.5	1179.2	1184.2	1225.4	1280.4	1307.8	1343.6	1415.1	1468.7	1475.7
155°	1180.7	1195.3	1209.9	1213.5	1245.0	1286.9	1307.8	1336.3	1393.2	1435.8	1440.5
157.5°	1210.9	1225.1	1239.4	1242.9	1264.5	1293.4	1307.8	1329.9	1374.2	1407.3	1410.6
160°	1231.3	1242.4	1253.5	1256.3	1273.5	1296.3	1307.8	1326.7	1364.7	1393.2	1395.1
162.5°	1251.8	1260.1	1268.3	1270.4	1282.9	1299.5	1307.8	1323.8	1355.8	1379.8	1381.6
165°	1274.1	1281.5	1289.0	1290.9	1296.5	1304.1	1307.8	1319.3	1342.1	1359.3	1361.2
167.5°	1294.4	1298.0	1301.6	1302.5	1307.2	1313.5	1316.7	1324.2	1339.2	1350.4	1351.2
170°	1307.8	1311.3	1315.0	1315.8	1316.1	1316.5	1316.7	1324.2	1339.2	1350.4	1350.4
172.5°	1314.9	1315.6	1316.5	1316.7	1316.7	1316.7	1316.7	1322.6	1334.5	1343.4	1342.7
175°	1324.7	1324.7	1324.7	1324.7	1322.1	1318.5	1316.7	1320.4	1328.0	1333.6	1333.6
177.5°	1324.7	1324.7	1324.7	1324.7	1322.6	1319.9	1318.5	1321.5	1327.4	1331.8	1331.0
180°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7



TEST NUMBER: P934809

CATALOG NUMBER: SQ4-FA-075U-100D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3
2.5°	4107.6	4096.3	4107.6	4100.0	4103.8	4092.4	4058.3	4046.9	4058.3	4069.7	4069.7
5°	4156.9	4149.3	4156.9	4156.9	4153.1	4145.5	4107.6	4100.0	4107.6	4111.4	4103.8
7.5°	4172.0	4160.7	4172.0	4164.4	4164.4	4156.9	4119.0	4111.4	4115.2	4126.6	4115.2
10°	4172.0	4160.7	4172.0	4168.3	4164.4	4156.9	4119.0	4103.8	4103.8	4115.2	4103.8
12.5°	4153.1	4145.5	4153.1	4145.5	4145.5	4138.0	4100.0	4084.9	4088.6	4092.4	4077.3
15°	4122.8	4111.4	4122.8	4115.2	4119.0	4107.6	4066.0	4050.8	4050.8	4058.3	4031.8
17.5°	4077.3	4062.1	4077.3	4073.5	4069.7	4062.1	4024.3	4009.1	4005.3	4009.1	3990.2
20°	4024.3	4012.9	4024.3	4020.5	4020.5	4005.3	3967.4	3948.5	3948.5	3948.5	3929.5
22.5°	3940.9	3929.5	3940.9	3948.5	3948.5	3944.6	3910.5	3884.0	3876.5	3876.5	3853.7
25°	3846.2	3834.8	3846.2	3846.2	3842.4	3846.2	3834.8	3819.6	3808.2	3796.8	3774.2
27.5°	3755.2	3747.6	3755.2	3747.6	3755.2	3743.8	3740.1	3736.2	3721.1	3709.8	3679.5
30°	3664.3	3656.7	3664.3	3656.7	3649.1	3641.5	3622.6	3615.0	3630.1	3622.6	3573.3
32.5°	3550.6	3543.0	3550.6	3550.6	3543.0	3543.0	3512.7	3501.4	3505.1	3527.8	3482.3
35°	3433.1	3421.7	3433.1	3429.4	3433.1	3421.7	3402.8	3399.0	3383.9	3410.3	3376.3
37.5°	3296.7	3285.3	3296.7	3296.7	3296.7	3304.3	3289.1	3277.7	3255.0	3289.1	3262.6
40°	3156.5	3141.3	3156.5	3152.7	3156.5	3164.1	3156.5	3148.9	3126.2	3152.7	3129.9
42.5°	2997.3	2993.5	2997.3	3001.2	3001.2	3016.3	3027.7	3012.5	3004.9	2986.0	3001.2
45°	2826.8	2819.2	2826.8	2834.4	2838.2	2845.7	2879.9	2879.9	2868.5	2838.2	2860.9
47.5°	2645.0	2626.0	2645.0	2667.7	2667.7	2679.0	2713.1	2739.7	2720.7	2682.8	2694.2
50°	2451.7	2455.5	2451.7	2466.9	2466.9	2508.5	2535.0	2561.6	2580.5	2535.0	2482.0
52.5°	2262.2	2258.5	2262.2	2273.6	2288.8	2307.7	2353.2	2379.7	2410.0	2383.5	2300.1
55°	2072.7	2080.4	2072.7	2076.5	2084.1	2095.5	2163.7	2190.2	2247.1	2212.9	2125.8
57.5°	1883.3	1871.9	1883.3	1890.9	1894.7	1906.0	1962.9	2012.1	2046.2	2050.0	1943.9
60°	1663.5	1648.3	1663.5	1697.6	1705.2	1712.8	1765.8	1811.3	1841.6	1853.0	1743.1
62.5°	1470.2	1443.8	1470.2	1493.0	1508.2	1527.1	1565.0	1633.2	1659.7	1663.5	1508.2
65°	1265.6	1254.3	1265.6	1311.1	1314.9	1337.6	1379.3	1428.6	1485.4	1477.8	1254.3
67.5°	1080.0	1080.0	1080.0	1110.3	1133.0	1144.3	1197.4	1220.1	1292.1	1299.8	1045.9
70°	909.4	905.6	909.4	932.2	947.3	973.9	1023.1	1049.6	1106.5	1125.4	848.8
72.5°	746.5	742.7	746.5	765.5	780.6	803.3	845.0	875.3	924.5	947.3	659.4
75°	602.5	594.9	602.5	617.7	613.8	644.2	678.3	708.6	754.1	769.2	488.8
77.5°	462.3	462.3	462.3	477.4	477.4	507.7	522.9	560.8	587.4	610.1	360.0
80°	344.8	341.0	344.8	348.7	348.7	363.8	390.3	416.8	439.6	439.6	246.3
82.5°	242.5	234.9	242.5	242.5	242.5	250.1	265.3	272.8	287.9	299.3	155.4
85°	151.5	151.5	151.5	155.4	151.5	159.2	162.9	170.6	170.6	162.9	94.7
87.5°	98.6	94.7	98.6	94.7	94.7	90.9	90.9	90.9	87.2	83.4	53.1
90°	33.7	33.7	33.7	33.7	33.7	45.0	60.0	67.6	58.1	39.1	24.9
92.5°	135.4	108.5	135.4	162.2	168.9	239.5	333.5	380.5	334.0	241.2	171.6
95°	471.7	390.3	471.7	553.0	573.4	753.0	992.5	1112.2	939.4	593.6	334.3
97.5°	1130.2	975.3	1130.2	1285.1	1323.8	1437.3	1588.6	1664.3	1376.1	799.6	367.2
100°	1628.4	1443.8	1628.4	1812.9	1859.0	1850.7	1839.6	1834.1	1514.2	874.5	394.7
102.5°	2118.4	1960.4	2118.4	2276.5	2316.0	2171.4	1978.5	1882.2	1557.7	908.9	422.3
105°	2743.2	2658.3	2743.2	2828.2	2849.5	2525.3	2093.0	1876.8	1562.7	934.4	463.2
107.5°	3152.5	3173.1	3152.5	3132.0	3126.8	2674.6	2071.7	1770.1	1493.2	939.2	523.7
110°	3308.5	3397.1	3308.5	3220.0	3197.9	2692.4	2018.3	1681.2	1431.5	932.0	557.4



TEST NUMBER: P934809

CATALOG NUMBER: SQ4-FA-075U-100D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3322.5	3458.4	3322.5	3186.5	3152.6	2635.2	1945.3	1600.3	1377.7	932.4	598.4
115°	3234.3	3422.9	3234.3	3045.9	2998.8	2500.3	1835.7	1503.4	1315.9	940.9	659.6
117.5°	3047.5	3256.6	3047.5	2838.6	2786.3	2336.4	1736.6	1436.7	1277.2	958.4	719.2
120°	2897.1	3100.1	2897.1	2693.9	2643.1	2232.1	1684.0	1410.0	1264.2	972.6	753.9
122.5°	2750.4	2950.8	2750.4	2550.1	2500.0	2129.9	1636.3	1389.5	1257.4	993.1	794.8
125°	2541.3	2725.8	2541.3	2356.8	2310.7	1996.2	1577.0	1367.4	1251.8	1020.6	847.3
127.5°	2353.3	2508.9	2353.3	2197.6	2158.6	1888.7	1528.7	1348.7	1248.5	1048.3	898.0
130°	2242.4	2386.3	2242.4	2098.5	2062.6	1822.2	1501.8	1341.6	1250.4	1068.3	931.7
132.5°	2141.8	2270.7	2141.8	2013.0	1980.8	1765.6	1478.7	1335.3	1251.8	1084.6	959.3
135°	2004.1	2115.1	2004.1	1893.0	1865.3	1685.0	1444.8	1324.7	1250.6	1102.5	991.3
137.5°	1893.5	1984.4	1893.5	1802.6	1779.9	1627.6	1424.4	1322.9	1258.3	1129.1	1032.2
140°	1817.6	1902.5	1817.6	1732.7	1711.4	1579.9	1404.5	1316.7	1259.6	1145.4	1059.7
142.5°	1754.8	1827.9	1754.8	1681.7	1663.4	1547.9	1393.8	1316.7	1264.1	1159.1	1080.2
145°	1660.6	1715.8	1660.6	1605.3	1591.5	1496.9	1370.8	1307.8	1264.1	1176.8	1111.4
147.5°	1588.2	1634.1	1588.2	1542.4	1530.9	1456.6	1357.4	1307.8	1272.8	1202.9	1150.5
150°	1542.7	1579.9	1542.7	1505.5	1496.2	1433.4	1349.7	1307.8	1277.4	1216.5	1170.9
152.5°	1503.8	1531.8	1503.8	1475.7	1468.7	1415.1	1343.6	1307.8	1280.4	1225.4	1184.2
155°	1459.0	1477.6	1459.0	1440.5	1435.8	1393.2	1336.3	1307.8	1286.9	1245.0	1213.5
157.5°	1423.7	1436.7	1423.7	1410.6	1407.3	1374.2	1329.9	1307.8	1293.4	1264.5	1242.9
160°	1402.5	1410.0	1402.5	1395.1	1393.2	1364.7	1326.7	1307.8	1296.3	1273.5	1256.3
162.5°	1388.7	1395.9	1388.7	1381.6	1379.8	1355.8	1323.8	1307.8	1299.5	1282.9	1270.4
165°	1368.7	1376.3	1368.7	1361.2	1359.3	1342.1	1319.3	1307.8	1304.1	1296.5	1290.9
167.5°	1354.5	1357.6	1354.5	1351.2	1350.4	1339.2	1324.2	1316.7	1313.5	1307.2	1302.5
170°	1350.4	1350.4	1350.4	1350.4	1350.4	1339.2	1324.2	1316.7	1316.5	1316.1	1315.8
172.5°	1339.9	1337.2	1339.9	1342.7	1343.4	1334.5	1322.6	1316.7	1316.7	1316.7	1316.7
175°	1333.6	1333.6	1333.6	1333.6	1333.6	1328.0	1320.4	1316.7	1318.5	1322.1	1324.7
177.5°	1327.9	1324.7	1327.9	1331.0	1331.8	1327.4	1321.5	1318.5	1319.9	1322.6	1324.7
180°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7



TEST NUMBER: P934809

CATALOG NUMBER: SQ4-FA-075U-100D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3
2.5°	4062.1	4039.4	4039.4	4001.5	3986.3	3975.0	3956.0	3899.2	3884.0	3868.8	3891.6
5°	4096.3	4054.6	4024.3	3956.0	3899.2	3876.5	3804.5	3668.1	3577.1	3508.9	3471.0
7.5°	4103.8	4050.8	3993.9	3887.9	3751.4	3690.8	3471.0	3221.0	3152.7	3092.1	3054.1
10°	4096.3	4035.7	3956.0	3796.8	3474.8	3368.7	3148.9	2986.0	2944.3	2932.9	2944.3
12.5°	4069.7	4012.9	3903.0	3637.8	3186.8	3114.8	2986.0	2891.2	2883.7	2902.6	3004.9
15°	4024.3	3971.2	3842.4	3425.5	3027.7	2974.6	2883.7	2849.5	2891.2	3023.8	3330.8
17.5°	3978.8	3918.2	3759.0	3217.1	2906.4	2868.5	2804.0	2872.3	3107.2	3285.3	3387.7
20°	3918.2	3846.2	3664.3	3065.5	2819.2	2785.1	2754.8	3061.8	3239.9	3304.3	3361.1
22.5°	3846.2	3770.4	3535.4	2959.5	2728.3	2701.8	2720.7	3167.9	3239.9	3285.3	3334.6
25°	3751.4	3687.0	3383.9	2876.1	2656.3	2626.0	2698.0	3156.5	3198.2	3209.6	3308.0
27.5°	3664.3	3580.9	3224.7	2800.3	2569.2	2557.8	2717.0	3107.2	3137.6	3148.9	3255.0
30°	3558.1	3433.1	3046.6	2720.7	2478.2	2474.4	2720.7	3046.6	3039.0	3069.3	3175.4
32.5°	3448.3	3213.3	2845.7	2622.2	2391.1	2387.2	2694.2	2955.7	2948.1	2989.8	3069.3
35°	3346.0	3042.9	2573.0	2508.5	2281.2	2284.9	2629.8	2849.5	2853.4	2891.2	2940.5
37.5°	3239.9	2895.1	2273.6	2383.5	2175.1	2175.1	2542.6	2751.1	2743.4	2754.8	2823.1
40°	3114.8	2663.9	2008.4	2220.5	2076.5	2065.2	2436.6	2645.0	2618.4	2614.7	2709.4
42.5°	2982.1	2410.0	1811.3	2004.5	1962.9	1947.7	2307.7	2516.1	2466.9	2478.2	2599.5
45°	2838.2	2341.8	1659.7	1693.8	1845.4	1834.0	2167.4	2368.3	2334.2	2364.6	2489.6
47.5°	2694.2	2205.4	1610.5	1405.8	1720.3	1716.6	2012.1	2224.3	2205.4	2235.7	2368.3
50°	2497.2	2053.8	1606.7	1205.0	1580.2	1595.3	1826.4	2084.1	2084.1	2110.7	2250.8
52.5°	2243.3	1868.1	1458.9	1091.3	1417.2	1462.7	1663.5	1962.9	1970.4	1997.0	2122.0
55°	2012.1	1674.9	1352.7	1004.2	1224.0	1322.4	1504.4	1837.8	1853.0	1879.5	1993.2
57.5°	1800.0	1394.4	1330.1	901.9	1045.9	1140.6	1364.1	1716.6	1724.1	1746.9	1856.7
60°	1572.5	1007.9	1220.1	792.0	890.5	962.5	1235.3	1572.5	1599.1	1614.2	1708.9
62.5°	1314.9	731.3	1106.5	716.1	814.7	829.9	1129.2	1436.1	1470.2	1481.6	1538.5
65°	935.9	613.8	939.7	651.8	735.2	738.9	1015.6	1296.0	1326.3	1345.2	1386.9
67.5°	632.8	500.2	716.1	591.1	674.5	678.3	905.6	1133.0	1174.6	1189.8	1216.4
70°	439.6	333.5	530.5	526.8	606.3	613.8	788.2	985.3	1023.1	1034.5	1049.6
72.5°	322.1	269.0	439.6	473.7	534.3	541.9	666.9	818.5	856.4	867.8	875.3
75°	246.3	284.2	356.2	413.0	454.7	458.5	545.7	666.9	693.5	701.0	704.8
77.5°	197.0	265.3	261.5	333.5	371.3	363.8	428.2	515.4	538.0	538.0	538.0
80°	147.8	208.4	197.0	238.7	272.8	265.3	307.0	367.6	375.1	382.7	379.0
82.5°	109.8	132.6	132.6	151.5	181.9	174.3	204.6	238.7	238.7	238.7	246.3
85°	68.2	75.8	60.6	79.5	102.3	98.6	113.7	128.9	132.6	132.6	125.0
87.5°	41.7	34.1	18.9	30.3	45.5	45.5	53.1	56.9	53.1	53.1	53.1
90°	23.0	16.0	8.9	16.0	23.0	24.9	39.1	58.1	67.6	60.0	45.0
92.5°	156.5	96.0	35.6	96.0	156.5	171.6	241.2	334.0	380.5	333.5	239.5
95°	306.7	196.0	85.4	196.0	306.7	334.3	593.6	939.4	1112.2	992.5	753.0
97.5°	342.8	245.2	147.6	245.2	342.8	367.2	799.6	1376.1	1664.3	1588.6	1437.3
100°	372.6	284.1	195.6	284.1	372.6	394.7	874.5	1514.2	1834.1	1839.6	1850.7
102.5°	401.6	319.1	236.5	319.1	401.6	422.3	908.9	1557.7	1882.2	1978.5	2171.4
105°	445.7	375.8	305.8	375.8	445.7	463.2	934.4	1562.7	1876.8	2093.0	2525.3
107.5°	507.3	442.2	377.0	442.2	507.3	523.7	939.2	1493.2	1770.1	2071.7	2674.6
110°	542.7	483.8	424.9	483.8	542.7	557.4	932.0	1431.5	1681.2	2018.3	2692.4



TEST NUMBER: P934809

CATALOG NUMBER: SQ4-FA-075U-100D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	584.3	528.2	472.1	528.2	584.3	598.4	932.4	1377.7	1600.3	1945.3	2635.2
115°	646.7	594.9	543.2	594.9	646.7	659.6	940.9	1315.9	1503.4	1835.7	2500.3
117.5°	707.4	660.5	613.5	660.5	707.4	719.2	958.4	1277.2	1436.7	1736.6	2336.4
120°	742.8	698.6	654.4	698.6	742.8	753.9	972.6	1264.2	1410.0	1684.0	2232.1
122.5°	783.6	739.0	694.3	739.0	783.6	794.8	993.1	1257.4	1389.5	1636.3	2129.9
125°	837.2	796.4	755.7	796.4	837.2	847.3	1020.6	1251.8	1367.4	1577.0	1996.2
127.5°	887.7	846.6	805.5	846.6	887.7	898.0	1048.3	1248.5	1348.7	1528.7	1888.7
130°	920.6	876.5	832.2	876.5	920.6	931.7	1068.3	1250.4	1341.6	1501.8	1822.2
132.5°	948.2	904.0	859.7	904.0	948.2	959.3	1084.6	1251.8	1335.3	1478.7	1765.6
135°	981.2	940.9	900.6	940.9	981.2	991.3	1102.5	1250.6	1324.7	1444.8	1685.0
137.5°	1022.3	982.3	942.4	982.3	1022.3	1032.2	1129.1	1258.3	1322.9	1424.4	1627.6
140°	1050.5	1013.7	977.0	1013.7	1050.5	1059.7	1145.4	1259.6	1316.7	1404.5	1579.9
142.5°	1071.7	1037.7	1003.7	1037.7	1071.7	1080.2	1159.1	1264.1	1316.7	1393.8	1547.9
145°	1103.9	1074.3	1044.6	1074.3	1103.9	1111.4	1176.8	1264.1	1307.8	1370.8	1496.9
147.5°	1143.3	1114.4	1085.5	1114.4	1143.3	1150.5	1202.9	1272.8	1307.8	1357.4	1456.6
150°	1164.4	1138.3	1112.2	1138.3	1164.4	1170.9	1216.5	1277.4	1307.8	1349.7	1433.4
152.5°	1179.2	1159.5	1139.7	1159.5	1179.2	1184.2	1225.4	1280.4	1307.8	1343.6	1415.1
155°	1209.9	1195.3	1180.7	1195.3	1209.9	1213.5	1245.0	1286.9	1307.8	1336.3	1393.2
157.5°	1239.4	1225.1	1210.9	1225.1	1239.4	1242.9	1264.5	1293.4	1307.8	1329.9	1374.2
160°	1253.5	1242.4	1231.3	1242.4	1253.5	1256.3	1273.5	1296.3	1307.8	1326.7	1364.7
162.5°	1268.3	1260.1	1251.8	1260.1	1268.3	1270.4	1282.9	1299.5	1307.8	1323.8	1355.8
165°	1289.0	1281.5	1274.1	1281.5	1289.0	1290.9	1296.5	1304.1	1307.8	1319.3	1342.1
167.5°	1301.6	1298.0	1294.4	1298.0	1301.6	1302.5	1307.2	1313.5	1316.7	1324.2	1339.2
170°	1315.0	1311.3	1307.8	1311.3	1315.0	1315.8	1316.1	1316.5	1316.7	1324.2	1339.2
172.5°	1316.5	1315.6	1314.9	1315.6	1316.5	1316.7	1316.7	1316.7	1316.7	1322.6	1334.5
175°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1322.1	1318.5	1316.7	1320.4	1328.0
177.5°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1322.6	1319.9	1318.5	1321.5	1327.4
180°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7



TEST NUMBER: P934809
 CATALOG NUMBER: SQ4-FA-075U-100D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3	4005.3
2.5°	3865.1	3853.7	3868.8	3827.2	3868.8	3853.7	3865.1	3891.6	3868.8	3884.0	3899.2
5°	3391.4	3372.5	3311.9	3262.6	3311.9	3372.5	3391.4	3471.0	3508.9	3577.1	3668.1
7.5°	3031.5	3016.3	3001.2	2970.8	3001.2	3016.3	3031.5	3054.1	3092.1	3152.7	3221.0
10°	2951.8	2955.7	2978.4	2974.6	2978.4	2955.7	2951.8	2944.3	2932.9	2944.3	2986.0
12.5°	3156.5	3190.6	3315.6	3308.0	3315.6	3190.6	3156.5	3004.9	2902.6	2883.7	2891.2
15°	3391.4	3402.8	3429.4	3433.1	3429.4	3402.8	3391.4	3330.8	3023.8	2891.2	2849.5
17.5°	3414.2	3418.0	3436.9	3436.9	3436.9	3418.0	3414.2	3387.7	3285.3	3107.2	2872.3
20°	3395.2	3402.8	3440.6	3448.3	3440.6	3402.8	3395.2	3361.1	3304.3	3239.9	3061.8
22.5°	3387.7	3402.8	3433.1	3429.4	3433.1	3402.8	3387.7	3334.6	3285.3	3239.9	3167.9
25°	3349.7	3349.7	3353.6	3357.3	3353.6	3349.7	3349.7	3308.0	3209.6	3198.2	3156.5
27.5°	3270.2	3277.7	3300.5	3296.7	3300.5	3277.7	3270.2	3255.0	3148.9	3137.6	3107.2
30°	3198.2	3190.6	3171.6	3156.5	3171.6	3190.6	3198.2	3175.4	3069.3	3039.0	3046.6
32.5°	3076.9	3058.0	3039.0	3027.7	3039.0	3058.0	3076.9	3069.3	2989.8	2948.1	2955.7
35°	2932.9	2936.7	2932.9	2921.5	2932.9	2936.7	2932.9	2940.5	2891.2	2853.4	2849.5
37.5°	2830.6	2838.2	2834.4	2819.2	2834.4	2838.2	2830.6	2823.1	2754.8	2743.4	2751.1
40°	2724.5	2728.3	2724.5	2713.1	2724.5	2728.3	2724.5	2709.4	2614.7	2618.4	2645.0
42.5°	2622.2	2618.4	2607.0	2599.5	2607.0	2618.4	2622.2	2599.5	2478.2	2466.9	2516.1
45°	2504.7	2508.5	2485.8	2474.4	2485.8	2508.5	2504.7	2489.6	2364.6	2334.2	2368.3
47.5°	2387.2	2387.2	2368.3	2356.9	2368.3	2387.2	2387.2	2368.3	2235.7	2205.4	2224.3
50°	2262.2	2258.5	2231.9	2228.1	2231.9	2258.5	2262.2	2250.8	2110.7	2084.1	2084.1
52.5°	2118.2	2118.2	2122.0	2129.6	2122.0	2118.2	2118.2	2122.0	1997.0	1970.4	1962.9
55°	1993.2	1997.0	2023.5	2031.0	2023.5	1997.0	1993.2	1993.2	1879.5	1853.0	1837.8
57.5°	1864.3	1864.3	1883.3	1883.3	1883.3	1864.3	1864.3	1856.7	1746.9	1724.1	1716.6
60°	1716.6	1724.1	1739.3	1735.5	1739.3	1724.1	1716.6	1708.9	1614.2	1599.1	1572.5
62.5°	1561.1	1568.8	1572.5	1565.0	1572.5	1568.8	1561.1	1538.5	1481.6	1470.2	1436.1
65°	1398.2	1405.8	1409.6	1402.1	1409.6	1405.8	1398.2	1386.9	1345.2	1326.3	1296.0
67.5°	1231.5	1227.7	1224.0	1239.1	1224.0	1227.7	1231.5	1216.4	1189.8	1174.6	1133.0
70°	1061.0	1061.0	1057.2	1064.8	1057.2	1061.0	1061.0	1049.6	1034.5	1023.1	985.3
72.5°	879.1	875.3	890.5	879.1	890.5	875.3	879.1	875.3	867.8	856.4	818.5
75°	701.0	708.6	701.0	712.4	701.0	708.6	701.0	704.8	701.0	693.5	666.9
77.5°	534.3	541.9	534.3	534.3	534.3	541.9	534.3	538.0	538.0	538.0	515.4
80°	379.0	375.1	375.1	371.3	375.1	375.1	379.0	379.0	382.7	375.1	367.6
82.5°	242.5	238.7	238.7	246.3	238.7	238.7	242.5	246.3	238.7	238.7	238.7
85°	132.6	136.4	128.9	128.9	128.9	136.4	132.6	125.0	132.6	132.6	128.9
87.5°	49.2	45.5	45.5	45.5	45.5	45.5	49.2	53.1	53.1	53.1	56.9
90°	33.7	33.7	33.7	33.7	33.7	33.7	33.7	45.0	60.0	67.6	58.1
92.5°	168.9	162.2	135.4	108.5	135.4	162.2	168.9	239.5	333.5	380.5	334.0
95°	573.4	553.0	471.7	390.3	471.7	553.0	573.4	753.0	992.5	1112.2	939.4
97.5°	1323.8	1285.1	1130.2	975.3	1130.2	1285.1	1323.8	1437.3	1588.6	1664.3	1376.1
100°	1859.0	1812.9	1628.4	1443.8	1628.4	1812.9	1859.0	1850.7	1839.6	1834.1	1514.2
102.5°	2316.0	2276.5	2118.4	1960.4	2118.4	2276.5	2316.0	2171.4	1978.5	1882.2	1557.7
105°	2849.5	2828.2	2743.2	2658.3	2743.2	2828.2	2849.5	2525.3	2093.0	1876.8	1562.7
107.5°	3126.8	3132.0	3152.5	3173.1	3152.5	3132.0	3126.8	2674.6	2071.7	1770.1	1493.2
110°	3197.9	3220.0	3308.5	3397.1	3308.5	3220.0	3197.9	2692.4	2018.3	1681.2	1431.5



TEST NUMBER: P934809

CATALOG NUMBER: SQ4-FA-075U-100D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3152.6	3186.5	3322.5	3458.4	3322.5	3186.5	3152.6	2635.2	1945.3	1600.3	1377.7
115°	2998.8	3045.9	3234.3	3422.9	3234.3	3045.9	2998.8	2500.3	1835.7	1503.4	1315.9
117.5°	2786.3	2838.6	3047.5	3256.6	3047.5	2838.6	2786.3	2336.4	1736.6	1436.7	1277.2
120°	2643.1	2693.9	2897.1	3100.1	2897.1	2693.9	2643.1	2232.1	1684.0	1410.0	1264.2
122.5°	2500.0	2550.1	2750.4	2950.8	2750.4	2550.1	2500.0	2129.9	1636.3	1389.5	1257.4
125°	2310.7	2356.8	2541.3	2725.8	2541.3	2356.8	2310.7	1996.2	1577.0	1367.4	1251.8
127.5°	2158.6	2197.6	2353.3	2508.9	2353.3	2197.6	2158.6	1888.7	1528.7	1348.7	1248.5
130°	2062.6	2098.5	2242.4	2386.3	2242.4	2098.5	2062.6	1822.2	1501.8	1341.6	1250.4
132.5°	1980.8	2013.0	2141.8	2270.7	2141.8	2013.0	1980.8	1765.6	1478.7	1335.3	1251.8
135°	1865.3	1893.0	2004.1	2115.1	2004.1	1893.0	1865.3	1685.0	1444.8	1324.7	1250.6
137.5°	1779.9	1802.6	1893.5	1984.4	1893.5	1802.6	1779.9	1627.6	1424.4	1322.9	1258.3
140°	1711.4	1732.7	1817.6	1902.5	1817.6	1732.7	1711.4	1579.9	1404.5	1316.7	1259.6
142.5°	1663.4	1681.7	1754.8	1827.9	1754.8	1681.7	1663.4	1547.9	1393.8	1316.7	1264.1
145°	1591.5	1605.3	1660.6	1715.8	1660.6	1605.3	1591.5	1496.9	1370.8	1307.8	1264.1
147.5°	1530.9	1542.4	1588.2	1634.1	1588.2	1542.4	1530.9	1456.6	1357.4	1307.8	1272.8
150°	1496.2	1505.5	1542.7	1579.9	1542.7	1505.5	1496.2	1433.4	1349.7	1307.8	1277.4
152.5°	1468.7	1475.7	1503.8	1531.8	1503.8	1475.7	1468.7	1415.1	1343.6	1307.8	1280.4
155°	1435.8	1440.5	1459.0	1477.6	1459.0	1440.5	1435.8	1393.2	1336.3	1307.8	1286.9
157.5°	1407.3	1410.6	1423.7	1436.7	1423.7	1410.6	1407.3	1374.2	1329.9	1307.8	1293.4
160°	1393.2	1395.1	1402.5	1410.0	1402.5	1395.1	1393.2	1364.7	1326.7	1307.8	1296.3
162.5°	1379.8	1381.6	1388.7	1395.9	1388.7	1381.6	1379.8	1355.8	1323.8	1307.8	1299.5
165°	1359.3	1361.2	1368.7	1376.3	1368.7	1361.2	1359.3	1342.1	1319.3	1307.8	1304.1
167.5°	1350.4	1351.2	1354.5	1357.6	1354.5	1351.2	1350.4	1339.2	1324.2	1316.7	1313.5
170°	1350.4	1350.4	1350.4	1350.4	1350.4	1350.4	1350.4	1339.2	1324.2	1316.7	1316.5
172.5°	1343.4	1342.7	1339.9	1337.2	1339.9	1342.7	1343.4	1334.5	1322.6	1316.7	1316.7
175°	1333.6	1333.6	1333.6	1333.6	1333.6	1333.6	1333.6	1328.0	1320.4	1316.7	1318.5
177.5°	1331.8	1331.0	1327.9	1324.7	1327.9	1331.0	1331.8	1327.4	1321.5	1318.5	1319.9
180°	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7	1324.7



TEST NUMBER: P934809

CATALOG NUMBER: SQ4-FA-075U-100D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	4005.3	4005.3	4005.3	4005.3	4005.3
2.5°	3956.0	3975.0	3986.3	4001.5	4039.4
5°	3804.5	3876.5	3899.2	3956.0	4024.3
7.5°	3471.0	3690.8	3751.4	3887.9	3993.9
10°	3148.9	3368.7	3474.8	3796.8	3956.0
12.5°	2986.0	3114.8	3186.8	3637.8	3903.0
15°	2883.7	2974.6	3027.7	3425.5	3842.4
17.5°	2804.0	2868.5	2906.4	3217.1	3759.0
20°	2754.8	2785.1	2819.2	3065.5	3664.3
22.5°	2720.7	2701.8	2728.3	2959.5	3535.4
25°	2698.0	2626.0	2656.3	2876.1	3383.9
27.5°	2717.0	2557.8	2569.2	2800.3	3224.7
30°	2720.7	2474.4	2478.2	2720.7	3046.6
32.5°	2694.2	2387.2	2391.1	2622.2	2845.7
35°	2629.8	2284.9	2281.2	2508.5	2573.0
37.5°	2542.6	2175.1	2175.1	2383.5	2273.6
40°	2436.6	2065.2	2076.5	2220.5	2008.4
42.5°	2307.7	1947.7	1962.9	2004.5	1811.3
45°	2167.4	1834.0	1845.4	1693.8	1659.7
47.5°	2012.1	1716.6	1720.3	1405.8	1610.5
50°	1826.4	1595.3	1580.2	1205.0	1606.7
52.5°	1663.5	1462.7	1417.2	1091.3	1458.9
55°	1504.4	1322.4	1224.0	1004.2	1352.7
57.5°	1364.1	1140.6	1045.9	901.9	1330.1
60°	1235.3	962.5	890.5	792.0	1220.1
62.5°	1129.2	829.9	814.7	716.1	1106.5
65°	1015.6	738.9	735.2	651.8	939.7
67.5°	905.6	678.3	674.5	591.1	716.1
70°	788.2	613.8	606.3	526.8	530.5
72.5°	666.9	541.9	534.3	473.7	439.6
75°	545.7	458.5	454.7	413.0	356.2
77.5°	428.2	363.8	371.3	333.5	261.5
80°	307.0	265.3	272.8	238.7	197.0
82.5°	204.6	174.3	181.9	151.5	132.6
85°	113.7	98.6	102.3	79.5	60.6
87.5°	53.1	45.5	45.5	30.3	18.9
90°	39.1	24.9	23.0	16.0	8.9
92.5°	241.2	171.6	156.5	96.0	35.6
95°	593.6	334.3	306.7	196.0	85.4
97.5°	799.6	367.2	342.8	245.2	147.6
100°	874.5	394.7	372.6	284.1	195.6
102.5°	908.9	422.3	401.6	319.1	236.5
105°	934.4	463.2	445.7	375.8	305.8
107.5°	939.2	523.7	507.3	442.2	377.0
110°	932.0	557.4	542.7	483.8	424.9



TEST NUMBER: P934809

CATALOG NUMBER: SQ4-FA-075U-100D-830-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	932.4	598.4	584.3	528.2	472.1
115°	940.9	659.6	646.7	594.9	543.2
117.5°	958.4	719.2	707.4	660.5	613.5
120°	972.6	753.9	742.8	698.6	654.4
122.5°	993.1	794.8	783.6	739.0	694.3
125°	1020.6	847.3	837.2	796.4	755.7
127.5°	1048.3	898.0	887.7	846.6	805.5
130°	1068.3	931.7	920.6	876.5	832.2
132.5°	1084.6	959.3	948.2	904.0	859.7
135°	1102.5	991.3	981.2	940.9	900.6
137.5°	1129.1	1032.2	1022.3	982.3	942.4
140°	1145.4	1059.7	1050.5	1013.7	977.0
142.5°	1159.1	1080.2	1071.7	1037.7	1003.7
145°	1176.8	1111.4	1103.9	1074.3	1044.6
147.5°	1202.9	1150.5	1143.3	1114.4	1085.5
150°	1216.5	1170.9	1164.4	1138.3	1112.2
152.5°	1225.4	1184.2	1179.2	1159.5	1139.7
155°	1245.0	1213.5	1209.9	1195.3	1180.7
157.5°	1264.5	1242.9	1239.4	1225.1	1210.9
160°	1273.5	1256.3	1253.5	1242.4	1231.3
162.5°	1282.9	1270.4	1268.3	1260.1	1251.8
165°	1296.5	1290.9	1289.0	1281.5	1274.1
167.5°	1307.2	1302.5	1301.6	1298.0	1294.4
170°	1316.1	1315.8	1315.0	1311.3	1307.8
172.5°	1316.7	1316.7	1316.5	1315.6	1314.9
175°	1322.1	1324.7	1324.7	1324.7	1324.7
177.5°	1322.6	1324.7	1324.7	1324.7	1324.7
180°	1324.7	1324.7	1324.7	1324.7	1324.7



TEST NUMBER: P934809
 CATALOG NUMBER: SQ4-FA-075U-100D-830-1D-UNV-STD-W-12

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	17.03	16.84	17.74	17.75	18.68	19.88
	3H	14.46	15.28	15.39	16.22	17.45	18.19	19.00	19.12	19.95	21.17
	4H	14.66	15.43	15.60	16.37	17.61	18.64	19.41	19.58	20.36	21.59
	6H	14.78	15.49	15.73	16.44	17.69	18.93	19.64	19.89	20.60	21.84
	8H	14.78	15.45	15.74	16.43	17.67	19.01	19.69	19.97	20.66	21.90
	12H	14.75	15.39	15.72	16.36	17.63	19.06	19.70	20.02	20.66	21.93
4H	2H	15.03	15.79	15.97	16.74	17.98	17.25	18.02	18.20	18.97	20.20
	3H	16.06	16.70	17.02	17.68	18.93	18.77	19.41	19.72	20.38	21.63
	4H	16.34	16.92	17.30	17.89	19.17	19.30	19.88	20.27	20.86	22.13
	6H	16.46	16.97	17.44	17.96	19.24	19.67	20.18	20.65	21.17	22.45
	8H	16.47	16.94	17.45	17.93	19.22	19.78	20.25	20.77	21.24	22.53
	12H	16.44	16.86	17.44	17.87	19.16	19.85	20.27	20.85	21.28	22.57
8H	4H	16.80	17.27	17.78	18.26	19.54	19.43	19.90	20.41	20.89	22.17
	6H	17.06	17.45	18.07	18.48	19.77	19.87	20.26	20.88	21.29	22.58
	8H	17.10	17.45	18.12	18.47	19.77	20.03	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	21.45	22.80
12H	4H	16.81	17.23	17.81	18.24	19.53	19.39	19.82	20.39	20.82	22.12
	6H	17.12	17.47	18.14	18.48	19.79	19.87	20.21	20.88	21.23	22.53
	8H	17.19	17.49	18.21	18.51	19.86	20.04	20.34	21.05	21.35	22.70