

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: P934709

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

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934709
REPORT IS A COMBINATION OF REPORTS P933709 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-075U-075D-830-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

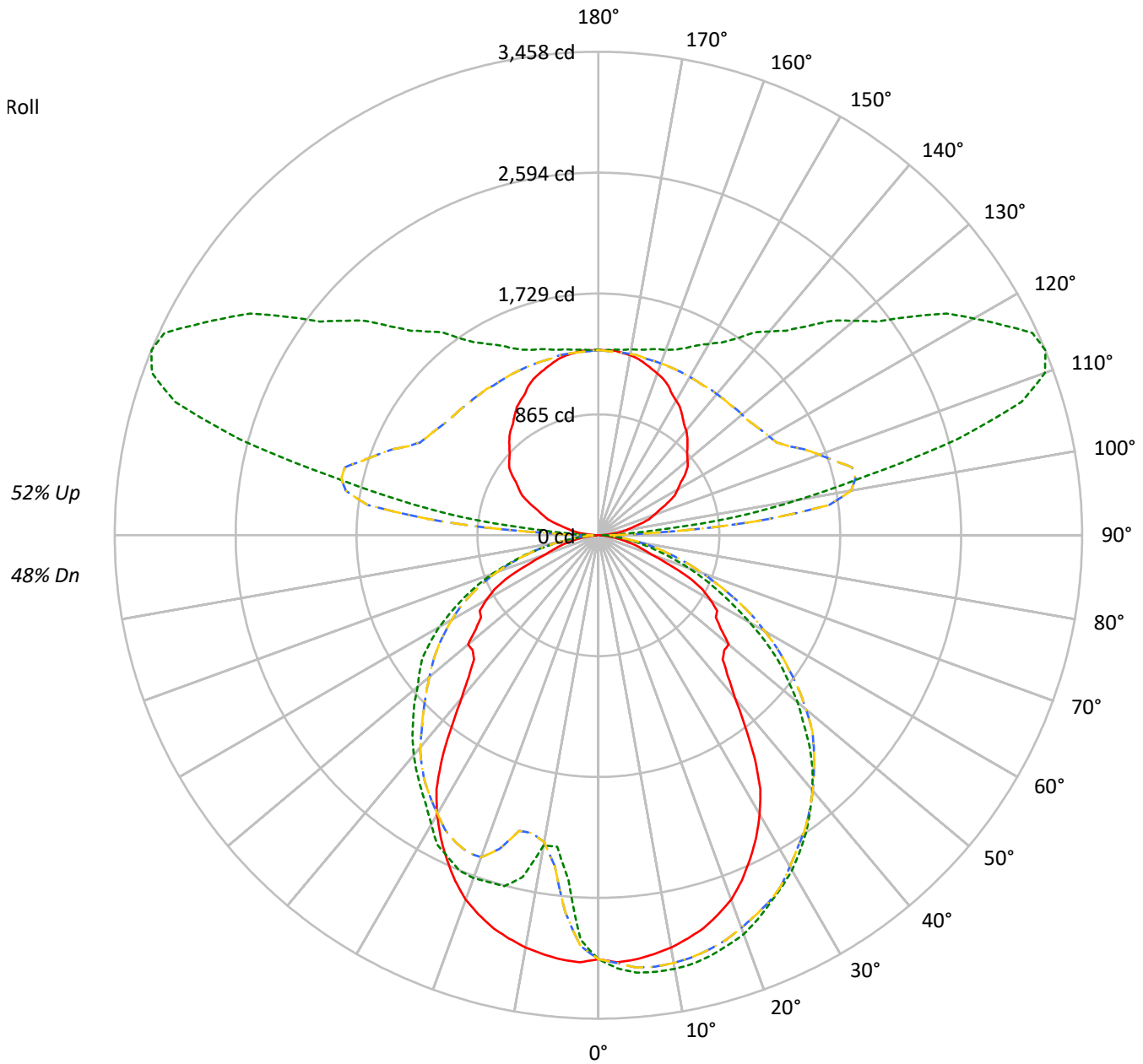
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16452.7 lumens
Efficiency: N/A
Efficacy: 129.3 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): 127.2
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: P934709
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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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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
RCR																				
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29	29	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25	25	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17	17	17
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9377	9377	9377	9377
5°	9450	9466	9450	7442
10°	9391	9324	9391	6666
15°	9292	9122	9292	7617
20°	9102	8883	9102	7633
25°	8707	8534	8707	7471
30°	8196	8244	8196	7116
35°	7311	7877	7311	6726
40°	6095	7446	6095	6431
45°	5450	6941	5450	6092
50°	5794	6338	5794	5751
55°	5457	5689	5457	5554
60°	5632	4832	5632	5087
65°	5114	3994	5114	4465
70°	3550	3183	3550	3743
75°	3125	2353	3125	2818
80°	2536	1555	2536	1694
85°	1487	824	1487	700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8347 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.7	1.7
10°-20°	777.0	4.7
20°-30°	1201.1	7.3
30°-40°	1433.8	8.7
40°-50°	1442.2	8.8
50°-60°	1254.9	7.6
60°-70°	889.7	5.4
70°-80°	470.7	2.9
80°-90°	122.3	0.7
90°-100°	645.7	3.9
100°-110°	1697.7	10.3
110°-120°	1760.3	10.7
120°-130°	1411.9	8.6
130°-140°	1107.9	6.7
140°-150°	850.3	5.2
150°-160°	612.4	3.7
160°-170°	374.7	2.3
170°-180°	126.6	0.8
0°-30°	2251.7	13.7
0°-40°	3685.5	22.4
0°-60°	6382.5	38.8
0°-90°	7865.2	47.8
90°-120°	4103.6	24.9
90°-150°	7473.8	45.4
90°-180°	8587.0	52.2
0°-180°	16452.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3032	3032	3032	3032	3032	
5°	3046	3141	3046	2469	3046	289
15°	2908	3112	2908	2598	2908	818
25°	2561	2902	2561	2541	2561	1176
35°	1947	2590	1947	2211	1947	1205
45°	1256	2134	1256	1873	1256	1006
55°	1024	1574	1024	1537	1024	941
65°	711	949	711	1061	711	680
75°	270	450	270	539	270	283
85°	46	115	46	98	46	62
90°	9	34	9	34	9	9
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	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	3057.4	3057.4	3074.6	3080.3	3080.3	3071.7	3063.1	3071.7	3097.5	3106.1	3103.3
5°	3045.9	3068.9	3100.4	3106.1	3111.9	3109.0	3103.3	3109.0	3137.7	3143.4	3146.3
7.5°	3023.0	3066.0	3106.1	3114.7	3123.3	3114.7	3111.9	3117.6	3146.3	3152.0	3152.0
10°	2994.3	3054.5	3100.4	3106.1	3114.7	3106.1	3106.1	3117.6	3146.3	3152.0	3154.9
12.5°	2954.1	3037.3	3080.3	3086.1	3097.5	3094.7	3091.8	3103.3	3132.0	3137.7	3137.7
15°	2908.2	3005.8	3045.9	3051.6	3071.7	3066.0	3066.0	3077.5	3109.0	3117.6	3114.7
17.5°	2845.2	2965.6	3011.5	3020.1	3034.4	3031.6	3034.4	3045.9	3074.6	3080.3	3083.2
20°	2773.5	2911.1	2965.6	2974.2	2988.6	2988.6	2988.6	3002.9	3031.6	3043.0	3043.0
22.5°	2675.9	2853.8	2911.1	2916.9	2934.1	2934.1	2939.8	2959.9	2985.7	2988.6	2988.6
25°	2561.2	2790.7	2839.4	2856.6	2873.8	2882.4	2891.0	2902.5	2911.1	2908.2	2911.1
27.5°	2440.7	2710.4	2773.5	2784.9	2807.9	2816.5	2827.9	2830.8	2833.7	2842.3	2836.5
30°	2305.9	2598.5	2693.1	2704.6	2741.9	2747.6	2736.2	2741.9	2756.2	2762.0	2767.7
32.5°	2153.9	2432.1	2610.0	2635.8	2670.2	2653.0	2650.1	2658.7	2681.7	2681.7	2687.4
35°	1947.4	2303.0	2532.5	2555.5	2581.3	2561.2	2572.7	2575.6	2589.9	2598.5	2595.6
37.5°	1720.8	2191.2	2452.1	2469.3	2489.4	2463.6	2480.8	2489.4	2500.9	2495.2	2495.2
40°	1520.0	2016.2	2357.5	2369.0	2386.2	2366.1	2383.3	2389.0	2394.8	2389.0	2386.2
42.5°	1370.9	1824.0	2257.1	2271.5	2260.0	2274.3	2280.1	2291.5	2282.9	2271.5	2271.5
45°	1256.2	1772.4	2148.1	2165.3	2148.1	2171.1	2179.7	2179.7	2153.9	2148.1	2145.3
47.5°	1218.9	1669.2	2039.1	2039.1	2030.5	2059.2	2073.6	2053.5	2027.7	2019.1	2019.1
50°	1216.0	1554.5	1890.0	1878.5	1918.7	1953.1	1938.8	1918.7	1898.6	1867.1	1867.1
52.5°	1104.2	1413.9	1697.9	1740.9	1804.0	1824.0	1801.1	1781.0	1746.6	1732.3	1720.8
55°	1023.9	1267.7	1522.9	1608.9	1674.9	1700.7	1657.7	1637.6	1586.0	1577.4	1571.7
57.5°	1006.7	1055.4	1362.3	1471.3	1551.6	1548.7	1522.9	1485.6	1442.6	1434.0	1431.1
60°	923.5	762.9	1190.2	1319.3	1402.5	1393.8	1370.9	1336.5	1296.3	1290.6	1284.9
62.5°	837.5	553.5	995.2	1141.5	1259.1	1256.2	1236.1	1184.5	1155.8	1141.5	1130.0
65°	711.3	464.6	708.4	949.3	1118.5	1124.3	1081.2	1044.0	1012.4	995.2	992.3
67.5°	542.1	378.6	479.0	791.6	983.7	978.0	923.5	906.3	866.1	857.5	840.3
70°	401.5	252.4	332.7	642.4	851.8	837.5	794.4	774.4	737.1	717.0	705.5
72.5°	332.7	203.6	243.8	499.0	717.0	699.8	662.5	639.6	608.0	590.8	579.3
75°	269.6	215.1	186.4	370.0	582.2	570.7	536.3	513.4	487.6	464.6	467.5
77.5°	197.9	200.8	149.1	272.5	461.7	444.5	424.5	395.8	384.3	361.4	361.4
80°	149.1	157.7	111.9	186.4	332.7	332.7	315.5	295.4	275.3	263.9	263.9
82.5°	100.4	100.4	83.2	117.6	226.6	218.0	206.5	200.8	189.3	183.6	183.6
85°	45.9	57.4	51.6	71.7	123.3	129.1	129.1	123.3	120.5	114.7	117.6
87.5°	14.3	25.8	31.5	40.2	63.1	66.0	68.8	68.8	68.8	71.7	71.7
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



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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



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	3109.0	3100.4	3109.0	3103.3	3106.1	3097.5	3071.7	3063.1	3071.7	3080.3	3080.3
5°	3146.3	3140.6	3146.3	3146.3	3143.4	3137.7	3109.0	3103.3	3109.0	3111.9	3106.1
7.5°	3157.8	3149.2	3157.8	3152.0	3152.0	3146.3	3117.6	3111.9	3114.7	3123.3	3114.7
10°	3157.8	3149.2	3157.8	3154.9	3152.0	3146.3	3117.6	3106.1	3106.1	3114.7	3106.1
12.5°	3143.4	3137.7	3143.4	3137.7	3137.7	3132.0	3103.3	3091.8	3094.7	3097.5	3086.1
15°	3120.5	3111.9	3120.5	3114.7	3117.6	3109.0	3077.5	3066.0	3066.0	3071.7	3051.6
17.5°	3086.1	3074.6	3086.1	3083.2	3080.3	3074.6	3045.9	3034.4	3031.6	3034.4	3020.1
20°	3045.9	3037.3	3045.9	3043.0	3043.0	3031.6	3002.9	2988.6	2988.6	2988.6	2974.2
22.5°	2982.8	2974.2	2982.8	2988.6	2988.6	2985.7	2959.9	2939.8	2934.1	2934.1	2916.9
25°	2911.1	2902.5	2911.1	2911.1	2908.2	2911.1	2902.5	2891.0	2882.4	2873.8	2856.6
27.5°	2842.3	2836.5	2842.3	2836.5	2842.3	2833.7	2830.8	2827.9	2816.5	2807.9	2784.9
30°	2773.5	2767.7	2773.5	2767.7	2762.0	2756.2	2741.9	2736.2	2747.6	2741.9	2704.6
32.5°	2687.4	2681.7	2687.4	2687.4	2681.7	2681.7	2658.7	2650.1	2653.0	2670.2	2635.8
35°	2598.5	2589.9	2598.5	2595.6	2598.5	2589.9	2575.6	2572.7	2561.2	2581.3	2555.5
37.5°	2495.2	2486.6	2495.2	2495.2	2495.2	2500.9	2489.4	2480.8	2463.6	2489.4	2469.3
40°	2389.0	2377.6	2389.0	2386.2	2389.0	2394.8	2389.0	2383.3	2366.1	2386.2	2369.0
42.5°	2268.6	2265.7	2268.6	2271.5	2271.5	2282.9	2291.5	2280.1	2274.3	2260.0	2271.5
45°	2139.5	2133.8	2139.5	2145.3	2148.1	2153.9	2179.7	2179.7	2171.1	2148.1	2165.3
47.5°	2001.9	1987.5	2001.9	2019.1	2019.1	2027.7	2053.5	2073.6	2059.2	2030.5	2039.1
50°	1855.6	1858.5	1855.6	1867.1	1867.1	1898.6	1918.7	1938.8	1953.1	1918.7	1878.5
52.5°	1712.2	1709.3	1712.2	1720.8	1732.3	1746.6	1781.0	1801.1	1824.0	1804.0	1740.9
55°	1568.8	1574.5	1568.8	1571.7	1577.4	1586.0	1637.6	1657.7	1700.7	1674.9	1608.9
57.5°	1425.4	1416.8	1425.4	1431.1	1434.0	1442.6	1485.6	1522.9	1548.7	1551.6	1471.3
60°	1259.1	1247.6	1259.1	1284.9	1290.6	1296.3	1336.5	1370.9	1393.8	1402.5	1319.3
62.5°	1112.8	1092.7	1112.8	1130.0	1141.5	1155.8	1184.5	1236.1	1256.2	1259.1	1141.5
65°	957.9	949.3	957.9	992.3	995.2	1012.4	1044.0	1081.2	1124.3	1118.5	949.3
67.5°	817.4	817.4	817.4	840.3	857.5	866.1	906.3	923.5	978.0	983.7	791.6
70°	688.3	685.5	688.3	705.5	717.0	737.1	774.4	794.4	837.5	851.8	642.4
72.5°	565.0	562.1	565.0	579.3	590.8	608.0	639.6	662.5	699.8	717.0	499.0
75°	456.0	450.3	456.0	467.5	464.6	487.6	513.4	536.3	570.7	582.2	370.0
77.5°	349.9	349.9	349.9	361.4	361.4	384.3	395.8	424.5	444.5	461.7	272.5
80°	261.0	258.1	261.0	263.9	263.9	275.3	295.4	315.5	332.7	332.7	186.4
82.5°	183.6	177.8	183.6	183.6	183.6	189.3	200.8	206.5	218.0	226.6	117.6
85°	114.7	114.7	114.7	117.6	114.7	120.5	123.3	129.1	129.1	123.3	71.7
87.5°	74.6	71.7	74.6	71.7	71.7	68.8	68.8	68.8	66.0	63.1	40.2
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: P934709

CATALOG NUMBER: SQ4-FA-075U-075D-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: P934709

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

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	3074.6	3057.4	3057.4	3028.7	3017.2	3008.6	2994.3	2951.3	2939.8	2928.3	2945.5
5°	3100.4	3068.9	3045.9	2994.3	2951.3	2934.1	2879.6	2776.3	2707.5	2655.9	2627.2
7.5°	3106.1	3066.0	3023.0	2942.7	2839.4	2793.5	2627.2	2437.8	2386.2	2340.3	2311.6
10°	3100.4	3054.5	2994.3	2873.8	2630.1	2549.7	2383.3	2260.0	2228.4	2219.8	2228.4
12.5°	3080.3	3037.3	2954.1	2753.4	2412.0	2357.5	2260.0	2188.3	2182.5	2196.9	2274.3
15°	3045.9	3005.8	2908.2	2592.8	2291.5	2251.4	2182.5	2156.7	2188.3	2288.7	2521.0
17.5°	3011.5	2965.6	2845.2	2434.9	2199.8	2171.1	2122.3	2173.9	2351.8	2486.6	2564.1
20°	2965.6	2911.1	2773.5	2320.2	2133.8	2108.0	2085.0	2317.3	2452.1	2500.9	2544.0
22.5°	2911.1	2853.8	2675.9	2239.9	2065.0	2044.9	2059.2	2397.6	2452.1	2486.6	2523.8
25°	2839.4	2790.7	2561.2	2176.8	2010.5	1987.5	2042.0	2389.0	2420.6	2429.2	2503.8
27.5°	2773.5	2710.4	2440.7	2119.5	1944.5	1935.9	2056.4	2351.8	2374.7	2383.3	2463.6
30°	2693.1	2598.5	2305.9	2059.2	1875.7	1872.8	2059.2	2305.9	2300.1	2323.1	2403.4
32.5°	2610.0	2432.1	2153.9	1984.7	1809.7	1806.8	2039.1	2237.0	2231.3	2262.9	2323.1
35°	2532.5	2303.0	1947.4	1898.6	1726.5	1729.4	1990.4	2156.7	2159.6	2188.3	2225.6
37.5°	2452.1	2191.2	1720.8	1804.0	1646.2	1646.2	1924.4	2082.2	2076.4	2085.0	2136.7
40°	2357.5	2016.2	1520.0	1680.6	1571.7	1563.1	1844.1	2001.9	1981.8	1978.9	2050.6
42.5°	2257.1	1824.0	1370.9	1517.2	1485.6	1474.2	1746.6	1904.4	1867.1	1875.7	1967.4
45°	2148.1	1772.4	1256.2	1282.0	1396.7	1388.1	1640.5	1792.5	1766.7	1789.6	1884.3
47.5°	2039.1	1669.2	1218.9	1064.0	1302.1	1299.2	1522.9	1683.5	1669.2	1692.1	1792.5
50°	1890.0	1554.5	1216.0	912.0	1196.0	1207.4	1382.4	1577.4	1577.4	1597.5	1703.6
52.5°	1697.9	1413.9	1104.2	826.0	1072.6	1107.0	1259.1	1485.6	1491.4	1511.4	1606.1
55°	1522.9	1267.7	1023.9	760.0	926.4	1000.9	1138.6	1391.0	1402.5	1422.5	1508.6
57.5°	1362.3	1055.4	1006.7	682.6	791.6	863.3	1032.5	1299.2	1304.9	1322.1	1405.3
60°	1190.2	762.9	923.5	599.4	674.0	728.5	935.0	1190.2	1210.3	1221.8	1293.5
62.5°	995.2	553.5	837.5	542.1	616.6	628.1	854.7	1087.0	1112.8	1121.4	1164.4
65°	708.4	464.6	711.3	493.3	556.4	559.3	768.6	980.9	1003.8	1018.1	1049.7
67.5°	479.0	378.6	542.1	447.4	510.5	513.4	685.5	857.5	889.1	900.6	920.6
70°	332.7	252.4	401.5	398.7	458.9	464.6	596.5	745.7	774.4	783.0	794.4
72.5°	243.8	203.6	332.7	358.5	404.4	410.1	504.8	619.5	648.2	656.8	662.5
75°	186.4	215.1	269.6	312.6	344.2	347.0	413.0	504.8	524.8	530.6	533.4
77.5°	149.1	200.8	197.9	252.4	281.1	275.3	324.1	390.0	407.3	407.3	407.3
80°	111.9	157.7	149.1	180.7	206.5	200.8	232.3	278.2	283.9	289.7	286.8
82.5°	83.2	100.4	100.4	114.7	137.7	131.9	154.9	180.7	180.7	180.7	186.4
85°	51.6	57.4	45.9	60.2	77.4	74.6	86.0	97.5	100.4	100.4	94.6
87.5°	31.5	25.8	14.3	22.9	34.4	34.4	40.2	43.0	40.2	40.2	40.2
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: P934709

CATALOG NUMBER: SQ4-FA-075U-075D-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: P934709

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

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	2925.5	2916.9	2928.3	2896.8	2928.3	2916.9	2925.5	2945.5	2928.3	2939.8	2951.3
5°	2567.0	2552.6	2506.6	2469.3	2506.6	2552.6	2567.0	2627.2	2655.9	2707.5	2776.3
7.5°	2294.4	2282.9	2271.5	2248.5	2271.5	2282.9	2294.4	2311.6	2340.3	2386.2	2437.8
10°	2234.2	2237.0	2254.2	2251.4	2254.2	2237.0	2234.2	2228.4	2219.8	2228.4	2260.0
12.5°	2389.0	2414.9	2509.5	2503.8	2509.5	2414.9	2389.0	2274.3	2196.9	2182.5	2188.3
15°	2567.0	2575.6	2595.6	2598.5	2595.6	2575.6	2567.0	2521.0	2288.7	2188.3	2156.7
17.5°	2584.2	2587.0	2601.4	2601.4	2601.4	2587.0	2584.2	2564.1	2486.6	2351.8	2173.9
20°	2569.8	2575.6	2604.2	2610.0	2604.2	2575.6	2569.8	2544.0	2500.9	2452.1	2317.3
22.5°	2564.1	2575.6	2598.5	2595.6	2598.5	2575.6	2564.1	2523.8	2486.6	2452.1	2397.6
25°	2535.4	2535.4	2538.3	2541.1	2538.3	2535.4	2535.4	2503.8	2429.2	2420.6	2389.0
27.5°	2475.1	2480.8	2498.0	2495.2	2498.0	2480.8	2475.1	2463.6	2383.3	2374.7	2351.8
30°	2420.6	2414.9	2400.5	2389.0	2400.5	2414.9	2420.6	2403.4	2323.1	2300.1	2305.9
32.5°	2328.8	2314.5	2300.1	2291.5	2300.1	2314.5	2328.8	2323.1	2262.9	2231.3	2237.0
35°	2219.8	2222.7	2219.8	2211.2	2219.8	2222.7	2219.8	2225.6	2188.3	2159.6	2156.7
37.5°	2142.4	2148.1	2145.3	2133.8	2145.3	2148.1	2142.4	2136.7	2085.0	2076.4	2082.2
40°	2062.1	2065.0	2062.1	2053.5	2062.1	2065.0	2062.1	2050.6	1978.9	1981.8	2001.9
42.5°	1984.7	1981.8	1973.2	1967.4	1973.2	1981.8	1984.7	1967.4	1875.7	1867.1	1904.4
45°	1895.7	1898.6	1881.4	1872.8	1881.4	1898.6	1895.7	1884.3	1789.6	1766.7	1792.5
47.5°	1806.8	1806.8	1792.5	1783.9	1792.5	1806.8	1806.8	1792.5	1692.1	1669.2	1683.5
50°	1712.2	1709.3	1689.3	1686.4	1689.3	1709.3	1712.2	1703.6	1597.5	1577.4	1577.4
52.5°	1603.2	1603.2	1606.1	1611.8	1606.1	1603.2	1603.2	1606.1	1511.4	1491.4	1485.6
55°	1508.6	1511.4	1531.5	1537.2	1531.5	1511.4	1508.6	1508.6	1422.5	1402.5	1391.0
57.5°	1411.1	1411.1	1425.4	1425.4	1425.4	1411.1	1411.1	1405.3	1322.1	1304.9	1299.2
60°	1299.2	1304.9	1316.4	1313.5	1316.4	1304.9	1299.2	1293.5	1221.8	1210.3	1190.2
62.5°	1181.6	1187.4	1190.2	1184.5	1190.2	1187.4	1181.6	1164.4	1121.4	1112.8	1087.0
65°	1058.3	1064.0	1066.9	1061.2	1066.9	1064.0	1058.3	1049.7	1018.1	1003.8	980.9
67.5°	932.1	929.2	926.4	937.8	926.4	929.2	932.1	920.6	900.6	889.1	857.5
70°	803.0	803.0	800.2	805.9	800.2	803.0	803.0	794.4	783.0	774.4	745.7
72.5°	665.4	662.5	674.0	665.4	674.0	662.5	665.4	662.5	656.8	648.2	619.5
75°	530.6	536.3	530.6	539.2	530.6	536.3	530.6	533.4	530.6	524.8	504.8
77.5°	404.4	410.1	404.4	404.4	404.4	410.1	404.4	407.3	407.3	407.3	390.0
80°	286.8	283.9	283.9	281.1	283.9	283.9	286.8	286.8	289.7	283.9	278.2
82.5°	183.6	180.7	180.7	186.4	180.7	180.7	183.6	186.4	180.7	180.7	180.7
85°	100.4	103.2	97.5	97.5	97.5	103.2	100.4	94.6	100.4	100.4	97.5
87.5°	37.3	34.4	34.4	34.4	34.4	34.4	37.3	40.2	40.2	40.2	43.0
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



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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: P934709

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

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	3031.6	3031.6	3031.6	3031.6	3031.6
2.5°	2994.3	3008.6	3017.2	3028.7	3057.4
5°	2879.6	2934.1	2951.3	2994.3	3045.9
7.5°	2627.2	2793.5	2839.4	2942.7	3023.0
10°	2383.3	2549.7	2630.1	2873.8	2994.3
12.5°	2260.0	2357.5	2412.0	2753.4	2954.1
15°	2182.5	2251.4	2291.5	2592.8	2908.2
17.5°	2122.3	2171.1	2199.8	2434.9	2845.2
20°	2085.0	2108.0	2133.8	2320.2	2773.5
22.5°	2059.2	2044.9	2065.0	2239.9	2675.9
25°	2042.0	1987.5	2010.5	2176.8	2561.2
27.5°	2056.4	1935.9	1944.5	2119.5	2440.7
30°	2059.2	1872.8	1875.7	2059.2	2305.9
32.5°	2039.1	1806.8	1809.7	1984.7	2153.9
35°	1990.4	1729.4	1726.5	1898.6	1947.4
37.5°	1924.4	1646.2	1646.2	1804.0	1720.8
40°	1844.1	1563.1	1571.7	1680.6	1520.0
42.5°	1746.6	1474.2	1485.6	1517.2	1370.9
45°	1640.5	1388.1	1396.7	1282.0	1256.2
47.5°	1522.9	1299.2	1302.1	1064.0	1218.9
50°	1382.4	1207.4	1196.0	912.0	1216.0
52.5°	1259.1	1107.0	1072.6	826.0	1104.2
55°	1138.6	1000.9	926.4	760.0	1023.9
57.5°	1032.5	863.3	791.6	682.6	1006.7
60°	935.0	728.5	674.0	599.4	923.5
62.5°	854.7	628.1	616.6	542.1	837.5
65°	768.6	559.3	556.4	493.3	711.3
67.5°	685.5	513.4	510.5	447.4	542.1
70°	596.5	464.6	458.9	398.7	401.5
72.5°	504.8	410.1	404.4	358.5	332.7
75°	413.0	347.0	344.2	312.6	269.6
77.5°	324.1	275.3	281.1	252.4	197.9
80°	232.3	200.8	206.5	180.7	149.1
82.5°	154.9	131.9	137.7	114.7	100.4
85°	86.0	74.6	77.4	60.2	45.9
87.5°	40.2	34.4	34.4	22.9	14.3
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: P934709

CATALOG NUMBER: SQ4-FA-075U-075D-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: P934709
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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	12.38	13.22	13.36	14.21	15.52	15.23	16.07	16.21	17.06	18.37
	3H	12.86	13.61	13.84	14.61	15.93	16.58	17.34	17.57	18.34	19.66
	4H	13.05	13.76	14.05	14.76	16.10	17.03	17.75	18.03	18.75	20.08
	6H	13.17	13.82	14.18	14.83	16.17	17.32	17.98	18.33	18.98	20.33
	8H	13.17	13.79	14.18	14.81	16.16	17.40	18.02	18.41	19.05	20.39
	12H	13.14	13.73	14.16	14.75	16.11	17.44	18.03	18.46	19.05	20.42
4H	2H	13.42	14.13	14.42	15.13	16.46	15.64	16.35	16.64	17.35	18.69
	3H	14.44	15.04	15.46	16.07	17.41	17.15	17.74	18.16	18.77	20.12
	4H	14.72	15.26	15.74	16.28	17.65	17.68	18.23	18.70	19.25	20.62
	6H	14.84	15.31	15.88	16.36	17.72	18.05	18.52	19.08	19.57	20.93
	8H	14.85	15.28	15.88	16.32	17.70	18.16	18.60	19.19	19.64	21.02
	12H	14.81	15.21	15.87	16.26	17.65	18.22	18.61	19.27	19.67	21.05
8H	4H	15.17	15.61	16.21	16.65	18.03	17.80	18.24	18.84	19.28	20.66
	6H	15.43	15.80	16.49	16.88	18.25	18.24	18.61	19.30	19.69	21.06
	8H	15.48	15.79	16.54	16.86	18.26	18.40	18.72	19.47	19.78	21.18
	12H	15.46	15.74	16.53	16.80	18.24	18.50	18.78	19.57	19.84	21.28
12H	4H	15.18	15.57	16.23	16.63	18.01	17.77	18.16	18.82	19.22	20.60
	6H	15.50	15.81	16.56	16.88	18.28	18.24	18.56	19.31	19.63	21.02
	8H	15.56	15.84	16.63	16.90	18.34	18.41	18.68	19.48	19.75	21.18