

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: P934805

Luminaire Tested: SQ4-FA-075U-075D-B50-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934805
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-B50-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

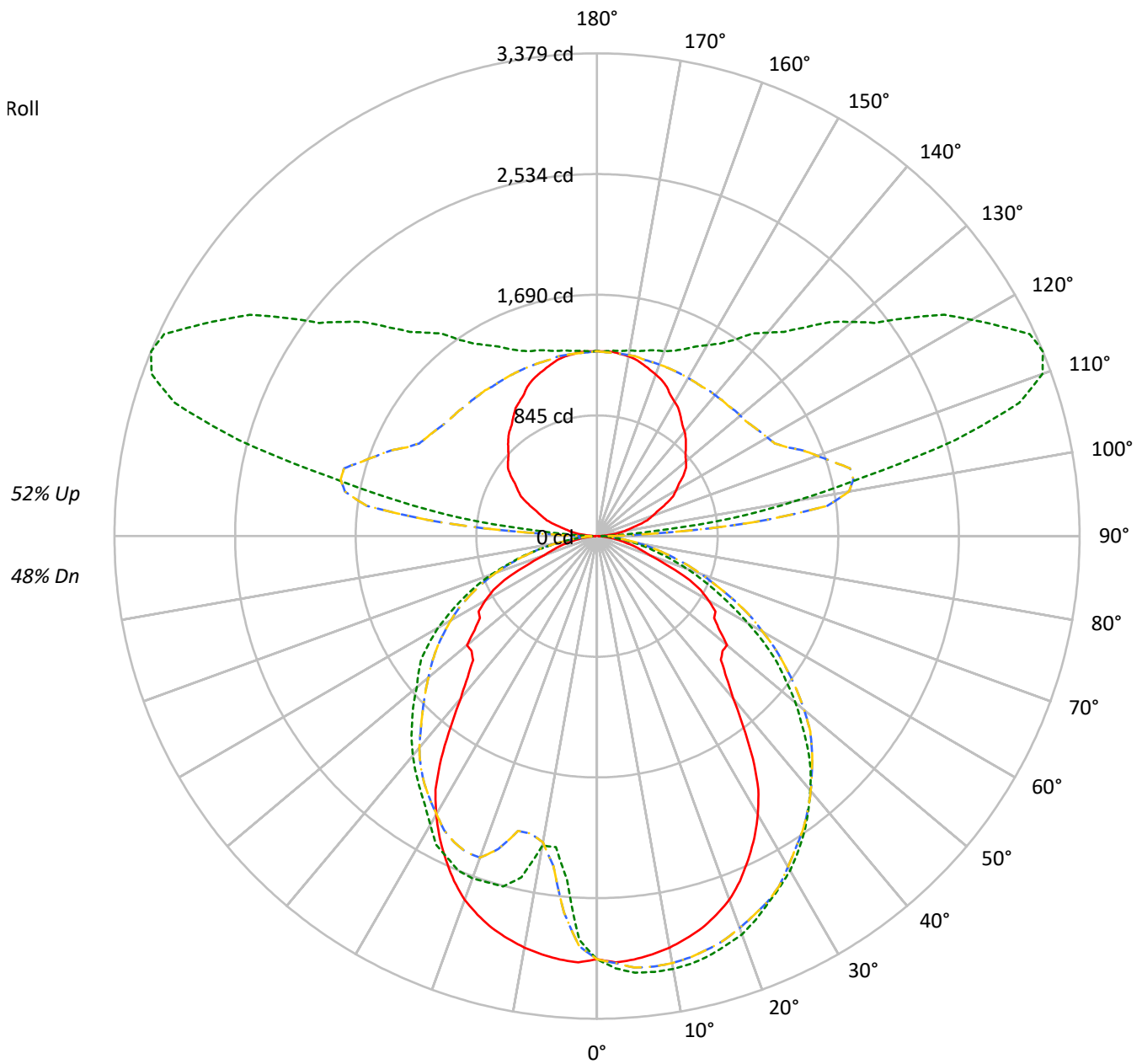
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16074.1 lumens
Efficiency: N/A
Efficacy: 126.4 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): 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: P934805
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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	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	89	86	82	79	72	70	68	60	58	56	48	47	46	40	40	40	40
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	40	39	34	34	34	34
3	81	71	64	58	74	66	60	54	56	51	47	46	43	40	37	35	33	29	29	29	29
4	74	63	55	49	68	58	52	46	49	44	40	41	37	34	33	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	34	37	33	29	30	27	25	21	21	21	21
6	62	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	30	26	30	26	23	25	22	19	17	17	17	17
8	54	41	33	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13	13	13	13
10	46	34	27	22	43	32	26	21	28	22	19	23	19	16	19	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9161	9161	9161	9161
5°	9233	9248	9233	7271
10°	9175	9109	9175	6513
15°	9078	8912	9078	7442
20°	8892	8678	8892	7457
25°	8507	8337	8507	7299
30°	8008	8054	8008	6952
35°	7142	7696	7142	6571
40°	5955	7274	5955	6283
45°	5324	6781	5324	5951
50°	5660	6192	5660	5619
55°	5331	5558	5331	5427
60°	5502	4721	5502	4970
65°	4997	3902	4997	4362
70°	3468	3110	3468	3657
75°	3053	2299	3053	2753
80°	2478	1520	2478	1655
85°	1452	805	1452	684

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8155 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.4	1.7
10°-20°	759.1	4.7
20°-30°	1173.4	7.3
30°-40°	1400.8	8.7
40°-50°	1409.0	8.8
50°-60°	1226.0	7.6
60°-70°	869.2	5.4
70°-80°	459.9	2.9
80°-90°	119.5	0.7
90°-100°	630.9	3.9
100°-110°	1658.6	10.3
110°-120°	1719.8	10.7
120°-130°	1379.5	8.6
130°-140°	1082.4	6.7
140°-150°	830.8	5.2
150°-160°	598.3	3.7
160°-170°	366.1	2.3
170°-180°	123.7	0.8
0°-30°	2199.9	13.7
0°-40°	3600.6	22.4
0°-60°	6235.6	38.8
0°-90°	7684.2	47.8
90°-120°	4009.2	24.9
90°-150°	7301.8	45.4
90°-180°	8390.0	52.2
0°-180°	16074.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2962	2962	2962	2962	2962	
5°	2976	3068	2976	2412	2976	282
15°	2841	3040	2841	2539	2841	799
25°	2502	2836	2502	2483	2502	1149
35°	1903	2530	1903	2160	1903	1177
45°	1227	2085	1227	1830	1227	983
55°	1000	1538	1000	1502	1000	919
65°	695	928	695	1037	695	664
75°	263	440	263	527	263	277
85°	45	112	45	95	45	61
90°	9	33	9	33	9	9
95°	83	381	83	381	83	93
105°	299	2597	299	2597	299	317
115°	531	3344	531	3344	531	524
125°	738	2663	738	2663	738	656
135°	880	2066	880	2066	880	681
145°	1021	1676	1021	1676	1021	639
155°	1154	1444	1154	1444	1154	530
165°	1245	1345	1245	1345	1245	351
175°	1294	1303	1294	1303	1294	123
180°	1294	1294	1294	1294	1294	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	2987.0	2987.0	3003.8	3009.4	3009.4	3001.0	2992.6	3001.0	3026.3	3034.7	3031.9
5°	2975.8	2998.2	3029.1	3034.7	3040.3	3037.5	3031.9	3037.5	3065.5	3071.1	3073.9
7.5°	2953.4	2995.4	3034.7	3043.1	3051.5	3043.1	3040.3	3045.9	3073.9	3079.5	3079.5
10°	2925.4	2984.2	3029.1	3034.7	3043.1	3034.7	3034.7	3045.9	3073.9	3079.5	3082.3
12.5°	2886.2	2967.4	3009.4	3015.0	3026.3	3023.5	3020.6	3031.9	3059.9	3065.5	3065.5
15°	2841.3	2936.6	2975.8	2981.4	3001.0	2995.4	2995.4	3006.6	3037.5	3045.9	3043.1
17.5°	2779.7	2897.4	2942.2	2950.6	2964.6	2961.8	2964.6	2975.8	3003.8	3009.4	3012.2
20°	2709.6	2844.1	2897.4	2905.8	2919.8	2919.8	2919.8	2933.8	2961.8	2973.0	2973.0
22.5°	2614.4	2788.1	2844.1	2849.7	2866.5	2866.5	2872.1	2891.8	2917.0	2919.8	2919.8
25°	2502.3	2726.4	2774.1	2790.9	2807.7	2816.1	2824.5	2835.7	2844.1	2841.3	2844.1
27.5°	2384.5	2648.0	2709.6	2720.8	2743.3	2751.7	2762.9	2765.7	2768.5	2776.9	2771.3
30°	2252.8	2538.7	2631.2	2642.4	2678.8	2684.4	2673.2	2678.8	2692.8	2698.4	2704.0
32.5°	2104.3	2376.1	2549.9	2575.1	2608.8	2591.9	2589.1	2597.5	2620.0	2620.0	2625.6
35°	1902.6	2250.0	2474.3	2496.7	2521.9	2502.3	2513.5	2516.3	2530.3	2538.7	2535.9
37.5°	1681.2	2140.7	2395.7	2412.5	2432.1	2406.9	2423.7	2432.1	2443.3	2437.7	2437.7
40°	1485.1	1969.8	2303.2	2314.5	2331.3	2311.6	2328.5	2334.1	2339.7	2334.1	2331.3
42.5°	1339.4	1782.1	2205.2	2219.2	2208.0	2222.0	2227.6	2238.8	2230.4	2219.2	2219.2
45°	1227.3	1731.6	2098.7	2115.5	2098.7	2121.1	2129.5	2129.5	2104.3	2098.7	2095.9
47.5°	1190.9	1630.8	1992.2	1992.2	1983.8	2011.8	2025.8	2006.2	1981.0	1972.6	1972.6
50°	1188.0	1518.7	1846.5	1835.3	1874.5	1908.2	1894.2	1874.5	1854.9	1824.1	1824.1
52.5°	1078.8	1381.4	1658.8	1700.8	1762.5	1782.1	1759.7	1740.0	1706.4	1692.4	1681.2
55°	1000.3	1238.5	1487.9	1571.9	1636.4	1661.6	1619.6	1599.9	1549.5	1541.1	1535.5
57.5°	983.5	1031.1	1331.0	1437.4	1515.9	1513.1	1487.9	1451.4	1409.4	1401.0	1398.2
60°	902.2	745.3	1162.8	1288.9	1370.2	1361.8	1339.4	1305.7	1266.5	1260.9	1255.3
62.5°	818.2	540.8	972.3	1115.2	1230.1	1227.3	1207.7	1157.2	1129.2	1115.2	1104.0
65°	694.9	453.9	692.1	927.5	1092.8	1098.4	1056.4	1019.9	989.1	972.3	969.5
67.5°	529.6	369.9	467.9	773.4	961.1	955.5	902.2	885.4	846.2	837.8	821.0
70°	392.3	246.6	325.0	627.6	832.2	818.2	776.2	756.5	720.1	700.5	689.3
72.5°	325.0	198.9	238.2	487.5	700.5	683.7	647.3	624.8	594.0	577.2	566.0
75°	263.4	210.2	182.1	361.5	568.8	557.6	524.0	501.6	476.3	453.9	456.7
77.5°	193.3	196.1	145.7	266.2	451.1	434.3	414.7	386.7	375.5	353.1	353.1
80°	145.7	154.1	109.3	182.1	325.0	325.0	308.2	288.6	269.0	257.8	257.8
82.5°	98.1	98.1	81.3	114.9	221.4	213.0	201.7	196.1	184.9	179.3	179.3
85°	44.8	56.0	50.4	70.0	120.5	126.1	126.1	120.5	117.7	112.1	114.9
87.5°	14.0	25.2	30.8	39.2	61.6	64.4	67.2	67.2	67.2	70.0	70.0
90°	8.7	15.6	22.5	24.3	38.2	56.8	66.0	58.7	44.0	33.0	33.0
92.5°	34.7	93.8	152.9	167.7	235.6	326.3	371.7	325.8	234.0	165.0	158.5
95°	83.4	191.5	299.6	326.6	579.9	917.7	1086.6	969.7	735.7	560.2	540.3
97.5°	144.2	239.6	334.9	358.7	781.2	1344.4	1626.0	1552.0	1404.2	1293.3	1255.5
100°	191.1	277.6	364.1	385.6	854.4	1479.4	1791.9	1797.3	1808.1	1816.3	1771.1
102.5°	231.1	311.8	392.4	412.5	888.0	1521.9	1838.9	1933.0	2121.4	2262.7	2224.1
105°	298.8	367.2	435.4	452.5	912.9	1526.7	1833.6	2044.8	2467.2	2783.9	2763.1
107.5°	368.3	432.0	495.7	511.6	917.6	1458.8	1729.4	2024.0	2613.1	3054.8	3059.9
110°	415.2	472.7	530.2	544.6	910.6	1398.6	1642.5	1971.9	2630.4	3124.3	3145.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	461.2	516.0	570.9	584.6	910.9	1346.0	1563.5	1900.5	2574.6	3080.1	3113.2
115°	530.7	581.2	631.9	644.5	919.2	1285.7	1468.8	1793.5	2442.8	2929.8	2975.8
117.5°	599.3	645.3	691.2	702.6	936.3	1247.8	1403.6	1696.6	2282.6	2722.1	2773.2
120°	639.3	682.6	725.7	736.6	950.3	1235.1	1377.6	1645.2	2180.7	2582.3	2631.9
122.5°	678.4	722.0	765.6	776.5	970.2	1228.5	1357.6	1598.6	2080.9	2442.5	2491.4
125°	738.3	778.1	817.9	827.8	997.1	1223.0	1335.9	1540.7	1950.3	2257.5	2302.6
127.5°	787.0	827.2	867.3	877.3	1024.1	1219.8	1317.7	1493.6	1845.2	2109.0	2147.0
130°	813.0	856.3	899.4	910.3	1043.7	1221.7	1310.7	1467.2	1780.3	2015.1	2050.2
132.5°	839.9	883.2	926.3	937.2	1059.6	1223.0	1304.6	1444.7	1725.0	1935.2	1966.7
135°	879.9	919.2	958.7	968.5	1077.1	1221.9	1294.2	1411.6	1646.3	1822.3	1849.4
137.5°	920.7	959.7	998.7	1008.4	1103.1	1229.3	1292.5	1391.7	1590.1	1738.9	1761.2
140°	954.5	990.4	1026.4	1035.3	1119.0	1230.6	1286.4	1372.1	1543.5	1672.0	1692.8
142.5°	980.6	1013.9	1047.0	1055.3	1132.4	1235.0	1286.4	1361.7	1512.2	1625.2	1643.0
145°	1020.6	1049.5	1078.5	1085.8	1149.8	1235.0	1277.7	1339.3	1462.5	1554.8	1568.4
147.5°	1060.6	1088.8	1117.0	1124.0	1175.3	1243.5	1277.7	1326.2	1423.0	1495.7	1506.9
150°	1086.6	1112.1	1137.6	1144.0	1188.5	1248.0	1277.7	1318.6	1400.4	1461.8	1470.9
152.5°	1113.5	1132.8	1152.1	1156.9	1197.2	1250.9	1277.7	1312.6	1382.5	1434.9	1441.7
155°	1153.5	1167.8	1182.1	1185.6	1216.3	1257.3	1277.7	1305.5	1361.1	1402.8	1407.4
157.5°	1183.0	1196.9	1210.8	1214.3	1235.4	1263.6	1277.7	1299.3	1342.5	1374.9	1378.1
160°	1203.0	1213.8	1224.7	1227.4	1244.2	1266.5	1277.7	1296.2	1333.3	1361.1	1363.0
162.5°	1223.0	1231.1	1239.1	1241.2	1253.3	1269.6	1277.7	1293.3	1324.6	1348.0	1349.8
165°	1244.7	1252.0	1259.3	1261.2	1266.7	1274.1	1277.7	1288.9	1311.2	1328.1	1329.9
167.5°	1264.6	1268.1	1271.6	1272.5	1277.2	1283.3	1286.4	1293.7	1308.3	1319.4	1320.1
170°	1277.7	1281.2	1284.7	1285.6	1285.8	1286.2	1286.4	1293.7	1308.3	1319.4	1319.4
172.5°	1284.6	1285.4	1286.2	1286.4	1286.4	1286.4	1286.4	1292.2	1303.8	1312.5	1311.8
175°	1294.2	1294.2	1294.2	1294.2	1291.6	1288.2	1286.4	1290.0	1297.4	1302.9	1302.9
177.5°	1294.2	1294.2	1294.2	1294.2	1292.2	1289.5	1288.2	1291.1	1296.9	1301.2	1300.4
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	3037.5	3029.1	3037.5	3031.9	3034.7	3026.3	3001.0	2992.6	3001.0	3009.4	3009.4
5°	3073.9	3068.3	3073.9	3073.9	3071.1	3065.5	3037.5	3031.9	3037.5	3040.3	3034.7
7.5°	3085.1	3076.7	3085.1	3079.5	3079.5	3073.9	3045.9	3040.3	3043.1	3051.5	3043.1
10°	3085.1	3076.7	3085.1	3082.3	3079.5	3073.9	3045.9	3034.7	3034.7	3043.1	3034.7
12.5°	3071.1	3065.5	3071.1	3065.5	3065.5	3059.9	3031.9	3020.6	3023.5	3026.3	3015.0
15°	3048.7	3040.3	3048.7	3043.1	3045.9	3037.5	3006.6	2995.4	2995.4	3001.0	2981.4
17.5°	3015.0	3003.8	3015.0	3012.2	3009.4	3003.8	2975.8	2964.6	2961.8	2964.6	2950.6
20°	2975.8	2967.4	2975.8	2973.0	2973.0	2961.8	2933.8	2919.8	2919.8	2919.8	2905.8
22.5°	2914.2	2905.8	2914.2	2919.8	2919.8	2917.0	2891.8	2872.1	2866.5	2866.5	2849.7
25°	2844.1	2835.7	2844.1	2844.1	2841.3	2844.1	2835.7	2824.5	2816.1	2807.7	2790.9
27.5°	2776.9	2771.3	2776.9	2771.3	2776.9	2768.5	2765.7	2762.9	2751.7	2743.3	2720.8
30°	2709.6	2704.0	2709.6	2704.0	2698.4	2692.8	2678.8	2673.2	2684.4	2678.8	2642.4
32.5°	2625.6	2620.0	2625.6	2625.6	2620.0	2620.0	2597.5	2589.1	2591.9	2608.8	2575.1
35°	2538.7	2530.3	2538.7	2535.9	2538.7	2530.3	2516.3	2513.5	2502.3	2521.9	2496.7
37.5°	2437.7	2429.3	2437.7	2437.7	2437.7	2443.3	2432.1	2423.7	2406.9	2432.1	2412.5
40°	2334.1	2322.9	2334.1	2331.3	2334.1	2339.7	2334.1	2328.5	2311.6	2331.3	2314.5
42.5°	2216.4	2213.6	2216.4	2219.2	2219.2	2230.4	2238.8	2227.6	2222.0	2208.0	2219.2
45°	2090.3	2084.7	2090.3	2095.9	2098.7	2104.3	2129.5	2129.5	2121.1	2098.7	2115.5
47.5°	1955.8	1941.8	1955.8	1972.6	1972.6	1981.0	2006.2	2025.8	2011.8	1983.8	1992.2
50°	1812.9	1815.7	1812.9	1824.1	1824.1	1854.9	1874.5	1894.2	1908.2	1874.5	1835.3
52.5°	1672.8	1670.0	1672.8	1681.2	1692.4	1706.4	1740.0	1759.7	1782.1	1762.5	1700.8
55°	1532.7	1538.3	1532.7	1535.5	1541.1	1549.5	1599.9	1619.6	1661.6	1636.4	1571.9
57.5°	1392.6	1384.2	1392.6	1398.2	1401.0	1409.4	1451.4	1487.9	1513.1	1515.9	1437.4
60°	1230.1	1218.9	1230.1	1255.3	1260.9	1266.5	1305.7	1339.4	1361.8	1370.2	1288.9
62.5°	1087.2	1067.6	1087.2	1104.0	1115.2	1129.2	1157.2	1207.7	1227.3	1230.1	1115.2
65°	935.9	927.5	935.9	969.5	972.3	989.1	1019.9	1056.4	1098.4	1092.8	927.5
67.5°	798.6	798.6	798.6	821.0	837.8	846.2	885.4	902.2	955.5	961.1	773.4
70°	672.5	669.7	672.5	689.3	700.5	720.1	756.5	776.2	818.2	832.2	627.6
72.5°	552.0	549.2	552.0	566.0	577.2	594.0	624.8	647.3	683.7	700.5	487.5
75°	445.5	439.9	445.5	456.7	453.9	476.3	501.6	524.0	557.6	568.8	361.5
77.5°	341.8	341.8	341.8	353.1	353.1	375.5	386.7	414.7	434.3	451.1	266.2
80°	255.0	252.2	255.0	257.8	257.8	269.0	288.6	308.2	325.0	325.0	182.1
82.5°	179.3	173.7	179.3	179.3	179.3	184.9	196.1	201.7	213.0	221.4	114.9
85°	112.1	112.1	112.1	114.9	112.1	117.7	120.5	126.1	126.1	120.5	70.0
87.5°	72.9	70.0	72.9	70.0	70.0	67.2	67.2	67.2	64.4	61.6	39.2
90°	33.0	33.0	33.0	33.0	33.0	44.0	58.7	66.0	56.8	38.2	24.3
92.5°	132.3	106.0	132.3	158.5	165.0	234.0	325.8	371.7	326.3	235.6	167.7
95°	460.8	381.4	460.8	540.3	560.2	735.7	969.7	1086.6	917.7	579.9	326.6
97.5°	1104.2	952.9	1104.2	1255.5	1293.3	1404.2	1552.0	1626.0	1344.4	781.2	358.7
100°	1590.9	1410.6	1590.9	1771.1	1816.3	1808.1	1797.3	1791.9	1479.4	854.4	385.6
102.5°	2069.7	1915.3	2069.7	2224.1	2262.7	2121.4	1933.0	1838.9	1521.9	888.0	412.5
105°	2680.1	2597.1	2680.1	2763.1	2783.9	2467.2	2044.8	1833.6	1526.7	912.9	452.5
107.5°	3080.0	3100.0	3080.0	3059.9	3054.8	2613.1	2024.0	1729.4	1458.8	917.6	511.6
110°	3232.4	3318.9	3232.4	3145.9	3124.3	2630.4	1971.9	1642.5	1398.6	910.6	544.6



TEST NUMBER: P934805

CATALOG NUMBER: SQ4-FA-075U-075D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3246.0	3378.8	3246.0	3113.2	3080.1	2574.6	1900.5	1563.5	1346.0	910.9	584.6
115°	3159.9	3344.1	3159.9	2975.8	2929.8	2442.8	1793.5	1468.8	1285.7	919.2	644.5
117.5°	2977.4	3181.7	2977.4	2773.2	2722.1	2282.6	1696.6	1403.6	1247.8	936.3	702.6
120°	2830.4	3028.8	2830.4	2631.9	2582.3	2180.7	1645.2	1377.6	1235.1	950.3	736.6
122.5°	2687.1	2882.9	2687.1	2491.4	2442.5	2080.9	1598.6	1357.6	1228.5	970.2	776.5
125°	2482.9	2663.1	2482.9	2302.6	2257.5	1950.3	1540.7	1335.9	1223.0	997.1	827.8
127.5°	2299.1	2451.2	2299.1	2147.0	2109.0	1845.2	1493.6	1317.7	1219.8	1024.1	877.3
130°	2190.8	2331.4	2190.8	2050.2	2015.1	1780.3	1467.2	1310.7	1221.7	1043.7	910.3
132.5°	2092.5	2218.4	2092.5	1966.7	1935.2	1725.0	1444.7	1304.6	1223.0	1059.6	937.2
135°	1957.9	2066.4	1957.9	1849.4	1822.3	1646.3	1411.6	1294.2	1221.9	1077.1	968.5
137.5°	1849.9	1938.7	1849.9	1761.2	1738.9	1590.1	1391.7	1292.5	1229.3	1103.1	1008.4
140°	1775.8	1858.8	1775.8	1692.8	1672.0	1543.5	1372.1	1286.4	1230.6	1119.0	1035.3
142.5°	1714.5	1785.8	1714.5	1643.0	1625.2	1512.2	1361.7	1286.4	1235.0	1132.4	1055.3
145°	1622.4	1676.3	1622.4	1568.4	1554.8	1462.5	1339.3	1277.7	1235.0	1149.8	1085.8
147.5°	1551.7	1596.5	1551.7	1506.9	1495.7	1423.0	1326.2	1277.7	1243.5	1175.3	1124.0
150°	1507.2	1543.5	1507.2	1470.9	1461.8	1400.4	1318.6	1277.7	1248.0	1188.5	1144.0
152.5°	1469.2	1496.5	1469.2	1441.7	1434.9	1382.5	1312.6	1277.7	1250.9	1197.2	1156.9
155°	1425.5	1443.6	1425.5	1407.4	1402.8	1361.1	1305.5	1277.7	1257.3	1216.3	1185.6
157.5°	1390.9	1403.6	1390.9	1378.1	1374.9	1342.5	1299.3	1277.7	1263.6	1235.4	1214.3
160°	1370.3	1377.6	1370.3	1363.0	1361.1	1333.3	1296.2	1277.7	1266.5	1244.2	1227.4
162.5°	1356.7	1363.7	1356.7	1349.8	1348.0	1324.6	1293.3	1277.7	1269.6	1253.3	1241.2
165°	1337.2	1344.6	1337.2	1329.9	1328.1	1311.2	1288.9	1277.7	1274.1	1266.7	1261.2
167.5°	1323.3	1326.4	1323.3	1320.1	1319.4	1308.3	1293.7	1286.4	1283.3	1277.2	1272.5
170°	1319.4	1319.4	1319.4	1319.4	1319.4	1308.3	1293.7	1286.4	1286.2	1285.8	1285.6
172.5°	1309.1	1306.4	1309.1	1311.8	1312.5	1303.8	1292.2	1286.4	1286.4	1286.4	1286.4
175°	1302.9	1302.9	1302.9	1302.9	1302.9	1297.4	1290.0	1286.4	1288.2	1291.6	1294.2
177.5°	1297.3	1294.2	1297.3	1300.4	1301.2	1296.9	1291.1	1288.2	1289.5	1292.2	1294.2
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



TEST NUMBER: P934805

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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	3003.8	2987.0	2987.0	2959.0	2947.8	2939.4	2925.4	2883.4	2872.1	2860.9	2877.7
5°	3029.1	2998.2	2975.8	2925.4	2883.4	2866.5	2813.3	2712.4	2645.2	2594.7	2566.7
7.5°	3034.7	2995.4	2953.4	2874.9	2774.1	2729.2	2566.7	2381.7	2331.3	2286.4	2258.4
10°	3029.1	2984.2	2925.4	2807.7	2569.5	2491.1	2328.5	2208.0	2177.2	2168.7	2177.2
12.5°	3009.4	2967.4	2886.2	2690.0	2356.5	2303.2	2208.0	2137.9	2132.3	2146.3	2222.0
15°	2975.8	2936.6	2841.3	2533.1	2238.8	2199.6	2132.3	2107.1	2137.9	2236.0	2463.0
17.5°	2942.2	2897.4	2779.7	2378.9	2149.1	2121.1	2073.5	2123.9	2297.6	2429.3	2505.1
20°	2897.4	2844.1	2709.6	2266.8	2084.7	2059.5	2037.1	2264.0	2395.7	2443.3	2485.5
22.5°	2844.1	2788.1	2614.4	2188.4	2017.4	1997.8	2011.8	2342.5	2395.7	2429.3	2465.8
25°	2774.1	2726.4	2502.3	2126.7	1964.2	1941.8	1995.0	2334.1	2364.9	2373.3	2446.1
27.5°	2709.6	2648.0	2384.5	2070.7	1899.8	1891.4	2009.0	2297.6	2320.1	2328.5	2406.9
30°	2631.2	2538.7	2252.8	2011.8	1832.5	1829.7	2011.8	2252.8	2247.2	2269.6	2348.1
32.5°	2549.9	2376.1	2104.3	1939.0	1768.1	1765.3	1992.2	2185.6	2180.0	2210.8	2269.6
35°	2474.3	2250.0	1902.6	1854.9	1686.8	1689.6	1944.6	2107.1	2109.9	2137.9	2174.4
37.5°	2395.7	2140.7	1681.2	1762.5	1608.3	1608.3	1880.1	2034.3	2028.6	2037.1	2087.5
40°	2303.2	1969.8	1485.1	1642.0	1535.5	1527.1	1801.7	1955.8	1936.2	1933.4	2003.4
42.5°	2205.2	1782.1	1339.4	1482.3	1451.4	1440.2	1706.4	1860.5	1824.1	1832.5	1922.2
45°	2098.7	1731.6	1227.3	1252.5	1364.6	1356.2	1602.7	1751.2	1726.0	1748.4	1840.9
47.5°	1992.2	1630.8	1190.9	1039.5	1272.1	1269.3	1487.9	1644.8	1630.8	1653.2	1751.2
50°	1846.5	1518.7	1188.0	891.0	1168.4	1179.6	1350.6	1541.1	1541.1	1560.7	1664.4
52.5°	1658.8	1381.4	1078.8	807.0	1047.9	1081.6	1230.1	1451.4	1457.0	1476.7	1569.1
55°	1487.9	1238.5	1000.3	742.5	905.0	977.9	1112.4	1359.0	1370.2	1389.8	1473.9
57.5°	1331.0	1031.1	983.5	666.9	773.4	843.4	1008.7	1269.3	1274.9	1291.7	1373.0
60°	1162.8	745.3	902.2	585.6	658.5	711.7	913.5	1162.8	1182.4	1193.7	1263.7
62.5°	972.3	540.8	818.2	529.6	602.4	613.6	835.0	1062.0	1087.2	1095.6	1137.6
65°	692.1	453.9	694.9	481.9	543.6	546.4	750.9	958.3	980.7	994.7	1025.5
67.5°	467.9	369.9	529.6	437.1	498.8	501.6	669.7	837.8	868.6	879.8	899.4
70°	325.0	246.6	392.3	389.5	448.3	453.9	582.8	728.5	756.5	764.9	776.2
72.5°	238.2	198.9	325.0	350.2	395.1	400.7	493.2	605.2	633.3	641.7	647.3
75°	182.1	210.2	263.4	305.4	336.2	339.0	403.5	493.2	512.8	518.4	521.2
77.5°	145.7	196.1	193.3	246.6	274.6	269.0	316.6	381.1	397.9	397.9	397.9
80°	109.3	154.1	145.7	176.5	201.7	196.1	227.0	271.8	277.4	283.0	280.2
82.5°	81.3	98.1	98.1	112.1	134.5	128.9	151.3	176.5	176.5	176.5	182.1
85°	50.4	56.0	44.8	58.8	75.7	72.9	84.1	95.3	98.1	98.1	92.5
87.5°	30.8	25.2	14.0	22.4	33.6	33.6	39.2	42.0	39.2	39.2	39.2
90°	22.5	15.6	8.7	15.6	22.5	24.3	38.2	56.8	66.0	58.7	44.0
92.5°	152.9	93.8	34.7	93.8	152.9	167.7	235.6	326.3	371.7	325.8	234.0
95°	299.6	191.5	83.4	191.5	299.6	326.6	579.9	917.7	1086.6	969.7	735.7
97.5°	334.9	239.6	144.2	239.6	334.9	358.7	781.2	1344.4	1626.0	1552.0	1404.2
100°	364.1	277.6	191.1	277.6	364.1	385.6	854.4	1479.4	1791.9	1797.3	1808.1
102.5°	392.4	311.8	231.1	311.8	392.4	412.5	888.0	1521.9	1838.9	1933.0	2121.4
105°	435.4	367.2	298.8	367.2	435.4	452.5	912.9	1526.7	1833.6	2044.8	2467.2
107.5°	495.7	432.0	368.3	432.0	495.7	511.6	917.6	1458.8	1729.4	2024.0	2613.1
110°	530.2	472.7	415.2	472.7	530.2	544.6	910.6	1398.6	1642.5	1971.9	2630.4



TEST NUMBER: P934805
 CATALOG NUMBER: SQ4-FA-075U-075D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	570.9	516.0	461.2	516.0	570.9	584.6	910.9	1346.0	1563.5	1900.5	2574.6
115°	631.9	581.2	530.7	581.2	631.9	644.5	919.2	1285.7	1468.8	1793.5	2442.8
117.5°	691.2	645.3	599.3	645.3	691.2	702.6	936.3	1247.8	1403.6	1696.6	2282.6
120°	725.7	682.6	639.3	682.6	725.7	736.6	950.3	1235.1	1377.6	1645.2	2180.7
122.5°	765.6	722.0	678.4	722.0	765.6	776.5	970.2	1228.5	1357.6	1598.6	2080.9
125°	817.9	778.1	738.3	778.1	817.9	827.8	997.1	1223.0	1335.9	1540.7	1950.3
127.5°	867.3	827.2	787.0	827.2	867.3	877.3	1024.1	1219.8	1317.7	1493.6	1845.2
130°	899.4	856.3	813.0	856.3	899.4	910.3	1043.7	1221.7	1310.7	1467.2	1780.3
132.5°	926.3	883.2	839.9	883.2	926.3	937.2	1059.6	1223.0	1304.6	1444.7	1725.0
135°	958.7	919.2	879.9	919.2	958.7	968.5	1077.1	1221.9	1294.2	1411.6	1646.3
137.5°	998.7	959.7	920.7	959.7	998.7	1008.4	1103.1	1229.3	1292.5	1391.7	1590.1
140°	1026.4	990.4	954.5	990.4	1026.4	1035.3	1119.0	1230.6	1286.4	1372.1	1543.5
142.5°	1047.0	1013.9	980.6	1013.9	1047.0	1055.3	1132.4	1235.0	1286.4	1361.7	1512.2
145°	1078.5	1049.5	1020.6	1049.5	1078.5	1085.8	1149.8	1235.0	1277.7	1339.3	1462.5
147.5°	1117.0	1088.8	1060.6	1088.8	1117.0	1124.0	1175.3	1243.5	1277.7	1326.2	1423.0
150°	1137.6	1112.1	1086.6	1112.1	1137.6	1144.0	1188.5	1248.0	1277.7	1318.6	1400.4
152.5°	1152.1	1132.8	1113.5	1132.8	1152.1	1156.9	1197.2	1250.9	1277.7	1312.6	1382.5
155°	1182.1	1167.8	1153.5	1167.8	1182.1	1185.6	1216.3	1257.3	1277.7	1305.5	1361.1
157.5°	1210.8	1196.9	1183.0	1196.9	1210.8	1214.3	1235.4	1263.6	1277.7	1299.3	1342.5
160°	1224.7	1213.8	1203.0	1213.8	1224.7	1227.4	1244.2	1266.5	1277.7	1296.2	1333.3
162.5°	1239.1	1231.1	1223.0	1231.1	1239.1	1241.2	1253.3	1269.6	1277.7	1293.3	1324.6
165°	1259.3	1252.0	1244.7	1252.0	1259.3	1261.2	1266.7	1274.1	1277.7	1288.9	1311.2
167.5°	1271.6	1268.1	1264.6	1268.1	1271.6	1272.5	1277.2	1283.3	1286.4	1293.7	1308.3
170°	1284.7	1281.2	1277.7	1281.2	1284.7	1285.6	1285.8	1286.2	1286.4	1293.7	1308.3
172.5°	1286.2	1285.4	1284.6	1285.4	1286.2	1286.4	1286.4	1286.4	1286.4	1292.2	1303.8
175°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1291.6	1288.2	1286.4	1290.0	1297.4
177.5°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1292.2	1289.5	1288.2	1291.1	1296.9
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



TEST NUMBER: P934805

CATALOG NUMBER: SQ4-FA-075U-075D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	2858.1	2849.7	2860.9	2830.1	2860.9	2849.7	2858.1	2877.7	2860.9	2872.1	2883.4
5°	2507.9	2493.9	2448.9	2412.5	2448.9	2493.9	2507.9	2566.7	2594.7	2645.2	2712.4
7.5°	2241.6	2230.4	2219.2	2196.8	2219.2	2230.4	2241.6	2258.4	2286.4	2331.3	2381.7
10°	2182.8	2185.6	2202.4	2199.6	2202.4	2185.6	2182.8	2177.2	2168.7	2177.2	2208.0
12.5°	2334.1	2359.3	2451.8	2446.1	2451.8	2359.3	2334.1	2222.0	2146.3	2132.3	2137.9
15°	2507.9	2516.3	2535.9	2538.7	2535.9	2516.3	2507.9	2463.0	2236.0	2137.9	2107.1
17.5°	2524.7	2527.5	2541.5	2541.5	2541.5	2527.5	2524.7	2505.1	2429.3	2297.6	2123.9
20°	2510.7	2516.3	2544.3	2549.9	2544.3	2516.3	2510.7	2485.5	2443.3	2395.7	2264.0
22.5°	2505.1	2516.3	2538.7	2535.9	2538.7	2516.3	2505.1	2465.8	2429.3	2395.7	2342.5
25°	2477.1	2477.1	2479.9	2482.7	2479.9	2477.1	2477.1	2446.1	2373.3	2364.9	2334.1
27.5°	2418.1	2423.7	2440.5	2437.7	2440.5	2423.7	2418.1	2406.9	2328.5	2320.1	2297.6
30°	2364.9	2359.3	2345.3	2334.1	2345.3	2359.3	2364.9	2348.1	2269.6	2247.2	2252.8
32.5°	2275.2	2261.2	2247.2	2238.8	2247.2	2261.2	2275.2	2269.6	2210.8	2180.0	2185.6
35°	2168.7	2171.6	2168.7	2160.3	2168.7	2171.6	2168.7	2174.4	2137.9	2109.9	2107.1
37.5°	2093.1	2098.7	2095.9	2084.7	2095.9	2098.7	2093.1	2087.5	2037.1	2028.6	2034.3
40°	2014.6	2017.4	2014.6	2006.2	2014.6	2017.4	2014.6	2003.4	1933.4	1936.2	1955.8
42.5°	1939.0	1936.2	1927.8	1922.2	1927.8	1936.2	1939.0	1922.2	1832.5	1824.1	1860.5
45°	1852.1	1854.9	1838.1	1829.7	1838.1	1854.9	1852.1	1840.9	1748.4	1726.0	1751.2
47.5°	1765.3	1765.3	1751.2	1742.8	1751.2	1765.3	1765.3	1751.2	1653.2	1630.8	1644.8
50°	1672.8	1670.0	1650.4	1647.6	1650.4	1670.0	1672.8	1664.4	1560.7	1541.1	1541.1
52.5°	1566.3	1566.3	1569.1	1574.7	1569.1	1566.3	1566.3	1569.1	1476.7	1457.0	1451.4
55°	1473.9	1476.7	1496.3	1501.9	1496.3	1476.7	1473.9	1473.9	1389.8	1370.2	1359.0
57.5°	1378.6	1378.6	1392.6	1392.6	1392.6	1378.6	1378.6	1373.0	1291.7	1274.9	1269.3
60°	1269.3	1274.9	1286.1	1283.3	1286.1	1274.9	1269.3	1263.7	1193.7	1182.4	1162.8
62.5°	1154.4	1160.0	1162.8	1157.2	1162.8	1160.0	1154.4	1137.6	1095.6	1087.2	1062.0
65°	1033.9	1039.5	1042.3	1036.7	1042.3	1039.5	1033.9	1025.5	994.7	980.7	958.3
67.5°	910.6	907.8	905.0	916.3	905.0	907.8	910.6	899.4	879.8	868.6	837.8
70°	784.6	784.6	781.8	787.4	781.8	784.6	784.6	776.2	764.9	756.5	728.5
72.5°	650.1	647.3	658.5	650.1	658.5	647.3	650.1	647.3	641.7	633.3	605.2
75°	518.4	524.0	518.4	526.8	518.4	524.0	518.4	521.2	518.4	512.8	493.2
77.5°	395.1	400.7	395.1	395.1	395.1	400.7	395.1	397.9	397.9	397.9	381.1
80°	280.2	277.4	277.4	274.6	277.4	277.4	280.2	280.2	283.0	277.4	271.8
82.5°	179.3	176.5	176.5	182.1	176.5	176.5	179.3	182.1	176.5	176.5	176.5
85°	98.1	100.9	95.3	95.3	95.3	100.9	98.1	92.5	98.1	98.1	95.3
87.5°	36.4	33.6	33.6	33.6	33.6	33.6	36.4	39.2	39.2	39.2	42.0
90°	33.0	33.0	33.0	33.0	33.0	33.0	33.0	44.0	58.7	66.0	56.8
92.5°	165.0	158.5	132.3	106.0	132.3	158.5	165.0	234.0	325.8	371.7	326.3
95°	560.2	540.3	460.8	381.4	460.8	540.3	560.2	735.7	969.7	1086.6	917.7
97.5°	1293.3	1255.5	1104.2	952.9	1104.2	1255.5	1293.3	1404.2	1552.0	1626.0	1344.4
100°	1816.3	1771.1	1590.9	1410.6	1590.9	1771.1	1816.3	1808.1	1797.3	1791.9	1479.4
102.5°	2262.7	2224.1	2069.7	1915.3	2069.7	2224.1	2262.7	2121.4	1933.0	1838.9	1521.9
105°	2783.9	2763.1	2680.1	2597.1	2680.1	2763.1	2783.9	2467.2	2044.8	1833.6	1526.7
107.5°	3054.8	3059.9	3080.0	3100.0	3080.0	3059.9	3054.8	2613.1	2024.0	1729.4	1458.8
110°	3124.3	3145.9	3232.4	3318.9	3232.4	3145.9	3124.3	2630.4	1971.9	1642.5	1398.6



TEST NUMBER: P934805

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3080.1	3113.2	3246.0	3378.8	3246.0	3113.2	3080.1	2574.6	1900.5	1563.5	1346.0
115°	2929.8	2975.8	3159.9	3344.1	3159.9	2975.8	2929.8	2442.8	1793.5	1468.8	1285.7
117.5°	2722.1	2773.2	2977.4	3181.7	2977.4	2773.2	2722.1	2282.6	1696.6	1403.6	1247.8
120°	2582.3	2631.9	2830.4	3028.8	2830.4	2631.9	2582.3	2180.7	1645.2	1377.6	1235.1
122.5°	2442.5	2491.4	2687.1	2882.9	2687.1	2491.4	2442.5	2080.9	1598.6	1357.6	1228.5
125°	2257.5	2302.6	2482.9	2663.1	2482.9	2302.6	2257.5	1950.3	1540.7	1335.9	1223.0
127.5°	2109.0	2147.0	2299.1	2451.2	2299.1	2147.0	2109.0	1845.2	1493.6	1317.7	1219.8
130°	2015.1	2050.2	2190.8	2331.4	2190.8	2050.2	2015.1	1780.3	1467.2	1310.7	1221.7
132.5°	1935.2	1966.7	2092.5	2218.4	2092.5	1966.7	1935.2	1725.0	1444.7	1304.6	1223.0
135°	1822.3	1849.4	1957.9	2066.4	1957.9	1849.4	1822.3	1646.3	1411.6	1294.2	1221.9
137.5°	1738.9	1761.2	1849.9	1938.7	1849.9	1761.2	1738.9	1590.1	1391.7	1292.5	1229.3
140°	1672.0	1692.8	1775.8	1858.8	1775.8	1692.8	1672.0	1543.5	1372.1	1286.4	1230.6
142.5°	1625.2	1643.0	1714.5	1785.8	1714.5	1643.0	1625.2	1512.2	1361.7	1286.4	1235.0
145°	1554.8	1568.4	1622.4	1676.3	1622.4	1568.4	1554.8	1462.5	1339.3	1277.7	1235.0
147.5°	1495.7	1506.9	1551.7	1596.5	1551.7	1506.9	1495.7	1423.0	1326.2	1277.7	1243.5
150°	1461.8	1470.9	1507.2	1543.5	1507.2	1470.9	1461.8	1400.4	1318.6	1277.7	1248.0
152.5°	1434.9	1441.7	1469.2	1496.5	1469.2	1441.7	1434.9	1382.5	1312.6	1277.7	1250.9
155°	1402.8	1407.4	1425.5	1443.6	1425.5	1407.4	1402.8	1361.1	1305.5	1277.7	1257.3
157.5°	1374.9	1378.1	1390.9	1403.6	1390.9	1378.1	1374.9	1342.5	1299.3	1277.7	1263.6
160°	1361.1	1363.0	1370.3	1377.6	1370.3	1363.0	1361.1	1333.3	1296.2	1277.7	1266.5
162.5°	1348.0	1349.8	1356.7	1363.7	1356.7	1349.8	1348.0	1324.6	1293.3	1277.7	1269.6
165°	1328.1	1329.9	1337.2	1344.6	1337.2	1329.9	1328.1	1311.2	1288.9	1277.7	1274.1
167.5°	1319.4	1320.1	1323.3	1326.4	1323.3	1320.1	1319.4	1308.3	1293.7	1286.4	1283.3
170°	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1319.4	1308.3	1293.7	1286.4	1286.2
172.5°	1312.5	1311.8	1309.1	1306.4	1309.1	1311.8	1312.5	1303.8	1292.2	1286.4	1286.4
175°	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1297.4	1290.0	1286.4	1288.2
177.5°	1301.2	1300.4	1297.3	1294.2	1297.3	1300.4	1301.2	1296.9	1291.1	1288.2	1289.5
180°	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2	1294.2



TEST NUMBER: P934805
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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2961.8	2961.8	2961.8	2961.8	2961.8
2.5°	2925.4	2939.4	2947.8	2959.0	2987.0
5°	2813.3	2866.5	2883.4	2925.4	2975.8
7.5°	2566.7	2729.2	2774.1	2874.9	2953.4
10°	2328.5	2491.1	2569.5	2807.7	2925.4
12.5°	2208.0	2303.2	2356.5	2690.0	2886.2
15°	2132.3	2199.6	2238.8	2533.1	2841.3
17.5°	2073.5	2121.1	2149.1	2378.9	2779.7
20°	2037.1	2059.5	2084.7	2266.8	2709.6
22.5°	2011.8	1997.8	2017.4	2188.4	2614.4
25°	1995.0	1941.8	1964.2	2126.7	2502.3
27.5°	2009.0	1891.4	1899.8	2070.7	2384.5
30°	2011.8	1829.7	1832.5	2011.8	2252.8
32.5°	1992.2	1765.3	1768.1	1939.0	2104.3
35°	1944.6	1689.6	1686.8	1854.9	1902.6
37.5°	1880.1	1608.3	1608.3	1762.5	1681.2
40°	1801.7	1527.1	1535.5	1642.0	1485.1
42.5°	1706.4	1440.2	1451.4	1482.3	1339.4
45°	1602.7	1356.2	1364.6	1252.5	1227.3
47.5°	1487.9	1269.3	1272.1	1039.5	1190.9
50°	1350.6	1179.6	1168.4	891.0	1188.0
52.5°	1230.1	1081.6	1047.9	807.0	1078.8
55°	1112.4	977.9	905.0	742.5	1000.3
57.5°	1008.7	843.4	773.4	666.9	983.5
60°	913.5	711.7	658.5	585.6	902.2
62.5°	835.0	613.6	602.4	529.6	818.2
65°	750.9	546.4	543.6	481.9	694.9
67.5°	669.7	501.6	498.8	437.1	529.6
70°	582.8	453.9	448.3	389.5	392.3
72.5°	493.2	400.7	395.1	350.2	325.0
75°	403.5	339.0	336.2	305.4	263.4
77.5°	316.6	269.0	274.6	246.6	193.3
80°	227.0	196.1	201.7	176.5	145.7
82.5°	151.3	128.9	134.5	112.1	98.1
85°	84.1	72.9	75.7	58.8	44.8
87.5°	39.2	33.6	33.6	22.4	14.0
90°	38.2	24.3	22.5	15.6	8.7
92.5°	235.6	167.7	152.9	93.8	34.7
95°	579.9	326.6	299.6	191.5	83.4
97.5°	781.2	358.7	334.9	239.6	144.2
100°	854.4	385.6	364.1	277.6	191.1
102.5°	888.0	412.5	392.4	311.8	231.1
105°	912.9	452.5	435.4	367.2	298.8
107.5°	917.6	511.6	495.7	432.0	368.3
110°	910.6	544.6	530.2	472.7	415.2



TEST NUMBER: P934805
 CATALOG NUMBER: SQ4-FA-075U-075D-B50-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	910.9	584.6	570.9	516.0	461.2
115°	919.2	644.5	631.9	581.2	530.7
117.5°	936.3	702.6	691.2	645.3	599.3
120°	950.3	736.6	725.7	682.6	639.3
122.5°	970.2	776.5	765.6	722.0	678.4
125°	997.1	827.8	817.9	778.1	738.3
127.5°	1024.1	877.3	867.3	827.2	787.0
130°	1043.7	910.3	899.4	856.3	813.0
132.5°	1059.6	937.2	926.3	883.2	839.9
135°	1077.1	968.5	958.7	919.2	879.9
137.5°	1103.1	1008.4	998.7	959.7	920.7
140°	1119.0	1035.3	1026.4	990.4	954.5
142.5°	1132.4	1055.3	1047.0	1013.9	980.6
145°	1149.8	1085.8	1078.5	1049.5	1020.6
147.5°	1175.3	1124.0	1117.0	1088.8	1060.6
150°	1188.5	1144.0	1137.6	1112.1	1086.6
152.5°	1197.2	1156.9	1152.1	1132.8	1113.5
155°	1216.3	1185.6	1182.1	1167.8	1153.5
157.5°	1235.4	1214.3	1210.8	1196.9	1183.0
160°	1244.2	1227.4	1224.7	1213.8	1203.0
162.5°	1253.3	1241.2	1239.1	1231.1	1223.0
165°	1266.7	1261.2	1259.3	1252.0	1244.7
167.5°	1277.2	1272.5	1271.6	1268.1	1264.6
170°	1285.8	1285.6	1284.7	1281.2	1277.7
172.5°	1286.4	1286.4	1286.2	1285.4	1284.6
175°	1291.6	1294.2	1294.2	1294.2	1294.2
177.5°	1292.2	1294.2	1294.2	1294.2	1294.2
180°	1294.2	1294.2	1294.2	1294.2	1294.2



TEST NUMBER: P934805
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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	12.30	13.14	13.28	14.13	15.43	15.15	15.99	16.13	16.98	18.29
	3H	12.78	13.53	13.76	14.53	15.85	16.50	17.26	17.49	18.26	19.58
	4H	12.97	13.68	13.97	14.68	16.01	16.95	17.66	17.95	18.67	20.00
	6H	13.08	13.74	14.10	14.75	16.09	17.24	17.90	18.25	18.90	20.25
	8H	13.08	13.71	14.10	14.73	16.08	17.32	17.94	18.33	18.97	20.31
	12H	13.06	13.65	14.08	14.67	16.03	17.36	17.95	18.38	18.97	20.34
4H	2H	13.34	14.05	14.34	15.05	16.38	15.56	16.27	16.56	17.27	18.61
	3H	14.36	14.96	15.38	15.99	17.33	17.07	17.66	18.08	18.69	20.04
	4H	14.64	15.18	15.66	16.20	17.57	17.60	18.14	18.62	19.17	20.54
	6H	14.76	15.23	15.79	16.28	17.64	17.97	18.44	19.00	19.48	20.85
	8H	14.77	15.20	15.80	16.24	17.62	18.08	18.52	19.11	19.56	20.94
	12H	14.73	15.13	15.79	16.18	17.57	18.14	18.53	19.19	19.59	20.97
8H	4H	15.09	15.53	16.13	16.57	17.95	17.72	18.16	18.76	19.20	20.58
	6H	15.35	15.71	16.41	16.80	18.17	18.16	18.53	19.22	19.61	20.98
	8H	15.40	15.71	16.46	16.78	18.18	18.32	18.64	19.39	19.70	21.10
	12H	15.38	15.66	16.45	16.72	18.16	18.42	18.70	19.49	19.76	21.20
12H	4H	15.10	15.49	16.15	16.55	17.93	17.69	18.08	18.74	19.14	20.52
	6H	15.41	15.73	16.48	16.80	18.20	18.16	18.48	19.23	19.54	20.94
	8H	15.48	15.76	16.55	16.82	18.26	18.32	18.60	19.39	19.66	21.10