

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: P934769

Luminaire Tested: SQ4-FA-075U-075D-935-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934769
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-935-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

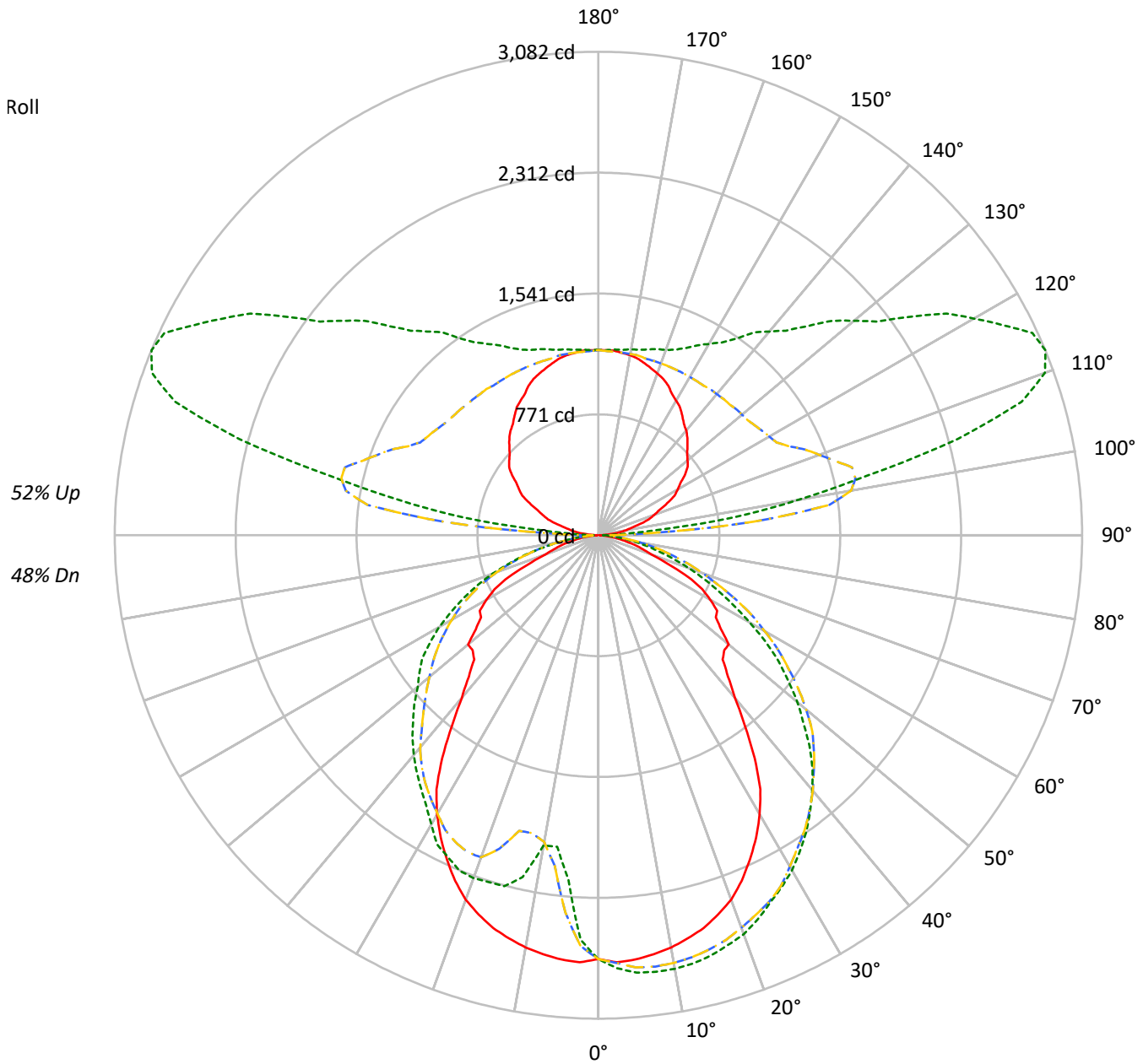
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14662.8 lumens
Efficiency: N/A
Efficacy: 115.3 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

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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°	8357	8357	8357	8357
5°	8422	8436	8422	6633
10°	8369	8310	8369	5941
15°	8281	8130	8281	6788
20°	8111	7916	8111	6802
25°	7760	7605	7760	6658
30°	7304	7347	7304	6342
35°	6515	7021	6515	5994
40°	5432	6636	5432	5731
45°	4857	6186	4857	5429
50°	5163	5649	5163	5126
55°	4863	5070	4863	4950
60°	5019	4306	5019	4534
65°	4558	3560	4558	3979
70°	3163	2837	3163	3335
75°	2785	2097	2785	2511
80°	2260	1386	2260	1510
85°	1325	734	1325	624

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7439 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.9	1.7
10°-20°	692.4	4.7
20°-30°	1070.4	7.3
30°-40°	1277.8	8.7
40°-50°	1285.3	8.8
50°-60°	1118.4	7.6
60°-70°	792.9	5.4
70°-80°	419.5	2.9
80°-90°	109.0	0.7
90°-100°	575.5	3.9
100°-110°	1513.0	10.3
110°-120°	1568.8	10.7
120°-130°	1258.4	8.6
130°-140°	987.4	6.7
140°-150°	757.8	5.2
150°-160°	545.8	3.7
160°-170°	333.9	2.3
170°-180°	112.8	0.8
0°-30°	2006.7	13.7
0°-40°	3284.5	22.4
0°-60°	5688.2	38.8
0°-90°	7009.6	47.8
90°-120°	3657.2	24.9
90°-150°	6660.7	45.4
90°-180°	7653.0	52.2
0°-180°	14662.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2702	2702	2702	2702	2702	
5°	2715	2799	2715	2201	2715	258
15°	2592	2773	2592	2316	2592	729
25°	2283	2587	2283	2265	2283	1048
35°	1736	2308	1736	1971	1736	1074
45°	1120	1902	1120	1669	1120	897
55°	912	1403	912	1370	912	839
65°	634	846	634	946	634	606
75°	240	401	240	480	240	253
85°	41	102	41	87	41	55
90°	8	30	8	30	8	8
95°	76	348	76	348	76	84
105°	273	2369	273	2369	273	289
115°	484	3050	484	3050	484	478
125°	674	2429	674	2429	674	598
135°	803	1885	803	1885	803	621
145°	931	1529	931	1529	931	583
155°	1052	1317	1052	1317	1052	483
165°	1136	1226	1136	1226	1136	320
175°	1181	1188	1181	1188	1181	112
180°	1181	1181	1181	1181	1181	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8
2.5°	2724.8	2724.8	2740.1	2745.2	2745.2	2737.6	2729.9	2737.6	2760.6	2768.2	2765.7
5°	2714.6	2735.0	2763.1	2768.2	2773.3	2770.8	2765.7	2770.8	2796.3	2801.5	2804.0
7.5°	2694.1	2732.4	2768.2	2775.9	2783.6	2775.9	2773.3	2778.5	2804.0	2809.1	2809.1
10°	2668.5	2722.2	2763.1	2768.2	2775.9	2768.2	2768.2	2778.5	2804.0	2809.1	2811.7
12.5°	2632.8	2706.9	2745.2	2750.3	2760.6	2758.0	2755.5	2765.7	2791.2	2796.3	2796.3
15°	2591.9	2678.8	2714.6	2719.7	2737.6	2732.4	2732.4	2742.7	2770.8	2778.5	2775.9
17.5°	2535.6	2643.0	2683.9	2691.6	2704.3	2701.8	2704.3	2714.6	2740.1	2745.2	2747.8
20°	2471.7	2594.4	2643.0	2650.7	2663.4	2663.4	2663.4	2676.2	2701.8	2712.0	2712.0
22.5°	2384.8	2543.3	2594.4	2599.5	2614.9	2614.9	2620.0	2637.9	2660.9	2663.4	2663.4
25°	2282.6	2487.1	2530.5	2545.9	2561.2	2568.9	2576.5	2586.8	2594.4	2591.9	2594.4
27.5°	2175.2	2415.5	2471.7	2482.0	2502.4	2510.1	2520.3	2522.9	2525.4	2533.1	2528.0
30°	2055.0	2315.8	2400.2	2410.4	2443.6	2448.7	2438.5	2443.6	2456.4	2461.5	2466.6
32.5°	1919.6	2167.5	2326.0	2349.0	2379.7	2364.4	2361.8	2369.5	2389.9	2389.9	2395.1
35°	1735.5	2052.5	2257.0	2277.5	2300.5	2282.6	2292.8	2295.4	2308.2	2315.8	2313.3
37.5°	1533.6	1952.8	2185.4	2200.7	2218.6	2195.6	2210.9	2218.6	2228.8	2223.7	2223.7
40°	1354.7	1796.9	2101.0	2111.3	2126.6	2108.7	2124.0	2129.1	2134.3	2129.1	2126.6
42.5°	1221.8	1625.6	2011.6	2024.4	2014.1	2026.9	2032.0	2042.2	2034.6	2024.4	2024.4
45°	1119.5	1579.6	1914.4	1929.8	1914.4	1934.9	1942.6	1942.6	1919.6	1914.4	1911.9
47.5°	1086.3	1487.6	1817.3	1817.3	1809.6	1835.2	1848.0	1830.1	1807.1	1799.4	1799.4
50°	1083.7	1385.4	1684.4	1674.2	1710.0	1740.6	1727.9	1710.0	1692.1	1664.0	1664.0
52.5°	984.1	1260.1	1513.2	1551.5	1607.7	1625.6	1605.2	1587.3	1556.6	1543.8	1533.6
55°	912.5	1129.8	1357.2	1433.9	1492.7	1515.7	1477.4	1459.5	1413.5	1405.8	1400.7
57.5°	897.2	940.6	1214.1	1311.2	1382.8	1380.2	1357.2	1324.0	1285.7	1278.0	1275.4
60°	823.0	679.9	1060.7	1175.8	1249.9	1242.2	1221.8	1191.1	1155.3	1150.2	1145.1
62.5°	746.4	493.3	886.9	1017.3	1122.1	1119.5	1101.6	1055.6	1030.1	1017.3	1007.1
65°	633.9	414.1	631.3	846.0	996.8	1002.0	963.6	930.4	902.3	886.9	884.4
67.5°	483.1	337.4	426.9	705.5	876.7	871.6	823.0	807.7	771.9	764.2	748.9
70°	357.8	224.9	296.5	572.5	759.1	746.4	708.0	690.1	656.9	639.0	628.8
72.5°	296.5	181.5	217.3	444.7	639.0	623.7	590.4	570.0	541.9	526.5	516.3
75°	240.3	191.7	166.1	329.7	518.9	508.6	478.0	457.5	434.5	414.1	416.6
77.5°	176.4	178.9	132.9	242.8	411.5	396.2	378.3	352.7	342.5	322.1	322.1
80°	132.9	140.6	99.7	166.1	296.5	296.5	281.2	263.3	245.4	235.2	235.2
82.5°	89.5	89.5	74.1	104.8	201.9	194.3	184.0	178.9	168.7	163.6	163.6
85°	40.9	51.1	46.0	63.9	109.9	115.0	115.0	109.9	107.4	102.2	104.8
87.5°	12.8	23.0	28.1	35.8	56.2	58.8	61.3	61.3	61.3	63.9	63.9
90°	7.9	14.2	20.5	22.2	34.8	51.8	60.2	53.5	40.1	30.1	30.1
92.5°	31.7	85.5	139.5	152.9	215.0	297.7	339.1	297.2	213.4	150.5	144.6
95°	76.1	174.7	273.3	297.9	529.0	837.2	991.2	884.5	671.1	511.0	492.9
97.5°	131.5	218.5	305.5	327.3	712.6	1226.4	1483.2	1415.8	1280.9	1179.8	1145.3
100°	174.3	253.2	332.1	351.8	779.4	1349.5	1634.6	1639.5	1649.4	1656.8	1615.6
102.5°	210.8	284.4	357.9	376.3	810.0	1388.2	1677.4	1763.3	1935.1	2064.1	2028.9
105°	272.6	334.9	397.2	412.8	832.7	1392.7	1672.6	1865.3	2250.6	2539.5	2520.6
107.5°	335.9	394.0	452.2	466.7	837.0	1330.7	1577.6	1846.3	2383.6	2786.6	2791.2
110°	378.7	431.2	483.7	496.8	830.6	1275.8	1498.3	1798.7	2399.5	2850.0	2869.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	420.7	470.7	520.7	533.3	831.0	1227.8	1426.2	1733.6	2348.5	2809.6	2839.9
115°	484.1	530.2	576.4	587.9	838.5	1172.8	1339.9	1636.0	2228.3	2672.6	2714.6
117.5°	546.7	588.6	630.5	641.0	854.1	1138.3	1280.4	1547.7	2082.2	2483.2	2529.8
120°	583.2	622.6	662.0	671.9	866.8	1126.7	1256.6	1500.8	1989.2	2355.6	2400.9
122.5°	618.8	658.6	698.4	708.4	885.1	1120.6	1238.4	1458.3	1898.2	2228.1	2272.7
125°	673.5	709.8	746.1	755.1	909.6	1115.6	1218.6	1405.5	1779.1	2059.3	2100.4
127.5°	717.9	754.5	791.2	800.3	934.2	1112.7	1202.0	1362.4	1683.2	1923.8	1958.5
130°	741.7	781.1	820.5	830.4	952.1	1114.4	1195.6	1338.4	1624.0	1838.2	1870.2
132.5°	766.2	805.7	845.0	854.9	966.6	1115.6	1190.1	1317.9	1573.6	1765.3	1794.1
135°	802.7	838.5	874.5	883.4	982.5	1114.6	1180.6	1287.6	1501.7	1662.3	1687.0
137.5°	839.9	875.4	911.0	919.9	1006.3	1121.4	1179.0	1269.5	1450.5	1586.3	1606.5
140°	870.7	903.5	936.3	944.4	1020.8	1122.6	1173.5	1251.7	1408.0	1525.3	1544.2
142.5°	894.5	924.8	955.1	962.7	1033.0	1126.6	1173.5	1242.1	1379.5	1482.5	1498.8
145°	931.0	957.4	983.8	990.4	1048.8	1126.6	1165.5	1221.7	1334.1	1418.3	1430.7
147.5°	967.4	993.2	1018.9	1025.3	1072.1	1134.4	1165.5	1209.8	1298.1	1364.4	1374.6
150°	991.2	1014.5	1037.7	1043.5	1084.2	1138.4	1165.5	1202.9	1277.5	1333.5	1341.7
152.5°	1015.8	1033.4	1050.9	1055.4	1092.1	1141.1	1165.5	1197.4	1261.1	1308.9	1315.1
155°	1052.2	1065.3	1078.3	1081.5	1109.6	1146.9	1165.5	1190.9	1241.6	1279.6	1283.8
157.5°	1079.1	1091.8	1104.5	1107.7	1126.9	1152.7	1165.5	1185.2	1224.7	1254.2	1257.1
160°	1097.4	1107.3	1117.1	1119.6	1134.9	1155.3	1165.5	1182.4	1216.2	1241.6	1243.3
162.5°	1115.6	1123.0	1130.3	1132.2	1143.3	1158.1	1165.5	1179.8	1208.3	1229.7	1231.3
165°	1135.5	1142.1	1148.8	1150.5	1155.5	1162.2	1165.5	1175.8	1196.1	1211.5	1213.2
167.5°	1153.6	1156.8	1160.0	1160.8	1165.0	1170.6	1173.5	1180.1	1193.5	1203.5	1204.2
170°	1165.5	1168.7	1171.9	1172.7	1172.9	1173.3	1173.5	1180.1	1193.5	1203.5	1203.5
172.5°	1171.8	1172.5	1173.3	1173.5	1173.5	1173.5	1173.5	1178.7	1189.3	1197.2	1196.6
175°	1180.6	1180.6	1180.6	1180.6	1178.2	1175.1	1173.5	1176.8	1183.5	1188.5	1188.5
177.5°	1180.6	1180.6	1180.6	1180.6	1178.7	1176.3	1175.1	1177.7	1183.0	1186.9	1186.2
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8
2.5°	2770.8	2763.1	2770.8	2765.7	2768.2	2760.6	2737.6	2729.9	2737.6	2745.2	2745.2
5°	2804.0	2798.9	2804.0	2804.0	2801.5	2796.3	2770.8	2765.7	2770.8	2773.3	2768.2
7.5°	2814.2	2806.6	2814.2	2809.1	2809.1	2804.0	2778.5	2773.3	2775.9	2783.6	2775.9
10°	2814.2	2806.6	2814.2	2811.7	2809.1	2804.0	2778.5	2768.2	2768.2	2775.9	2768.2
12.5°	2801.5	2796.3	2801.5	2796.3	2796.3	2791.2	2765.7	2755.5	2758.0	2760.6	2750.3
15°	2781.0	2773.3	2781.0	2775.9	2778.5	2770.8	2742.7	2732.4	2732.4	2737.6	2719.7
17.5°	2750.3	2740.1	2750.3	2747.8	2745.2	2740.1	2714.6	2704.3	2701.8	2704.3	2691.6
20°	2714.6	2706.9	2714.6	2712.0	2712.0	2701.8	2676.2	2663.4	2663.4	2663.4	2650.7
22.5°	2658.3	2650.7	2658.3	2663.4	2663.4	2660.9	2637.9	2620.0	2614.9	2614.9	2599.5
25°	2594.4	2586.8	2594.4	2594.4	2591.9	2594.4	2586.8	2576.5	2568.9	2561.2	2545.9
27.5°	2533.1	2528.0	2533.1	2528.0	2533.1	2525.4	2522.9	2520.3	2510.1	2502.4	2482.0
30°	2471.7	2466.6	2471.7	2466.6	2461.5	2456.4	2443.6	2438.5	2448.7	2443.6	2410.4
32.5°	2395.1	2389.9	2395.1	2395.1	2389.9	2389.9	2369.5	2361.8	2364.4	2379.7	2349.0
35°	2315.8	2308.2	2315.8	2313.3	2315.8	2308.2	2295.4	2292.8	2282.6	2300.5	2277.5
37.5°	2223.7	2216.1	2223.7	2223.7	2223.7	2228.8	2218.6	2210.9	2195.6	2218.6	2200.7
40°	2129.1	2118.9	2129.1	2126.6	2129.1	2134.3	2129.1	2124.0	2108.7	2126.6	2111.3
42.5°	2021.8	2019.2	2021.8	2024.4	2024.4	2034.6	2042.2	2032.0	2026.9	2014.1	2024.4
45°	1906.8	1901.7	1906.8	1911.9	1914.4	1919.6	1942.6	1942.6	1934.9	1914.4	1929.8
47.5°	1784.1	1771.3	1784.1	1799.4	1799.4	1807.1	1830.1	1848.0	1835.2	1809.6	1817.3
50°	1653.7	1656.3	1653.7	1664.0	1664.0	1692.1	1710.0	1727.9	1740.6	1710.0	1674.2
52.5°	1525.9	1523.4	1525.9	1533.6	1543.8	1556.6	1587.3	1605.2	1625.6	1607.7	1551.5
55°	1398.1	1403.2	1398.1	1400.7	1405.8	1413.5	1459.5	1477.4	1515.7	1492.7	1433.9
57.5°	1270.3	1262.7	1270.3	1275.4	1278.0	1285.7	1324.0	1357.2	1380.2	1382.8	1311.2
60°	1122.1	1111.9	1122.1	1145.1	1150.2	1155.3	1191.1	1221.8	1242.2	1249.9	1175.8
62.5°	991.7	973.8	991.7	1007.1	1017.3	1030.1	1055.6	1101.6	1119.5	1122.1	1017.3
65°	853.7	846.0	853.7	884.4	886.9	902.3	930.4	963.6	1002.0	996.8	846.0
67.5°	728.5	728.5	728.5	748.9	764.2	771.9	807.7	823.0	871.6	876.7	705.5
70°	613.4	610.9	613.4	628.8	639.0	656.9	690.1	708.0	746.4	759.1	572.5
72.5°	503.5	501.0	503.5	516.3	526.5	541.9	570.0	590.4	623.7	639.0	444.7
75°	406.4	401.3	406.4	416.6	414.1	434.5	457.5	478.0	508.6	518.9	329.7
77.5°	311.8	311.8	311.8	322.1	322.1	342.5	352.7	378.3	396.2	411.5	242.8
80°	232.6	230.0	232.6	235.2	235.2	245.4	263.3	281.2	296.5	296.5	166.1
82.5°	163.6	158.5	163.6	163.6	163.6	168.7	178.9	184.0	194.3	201.9	104.8
85°	102.2	102.2	102.2	104.8	102.2	107.4	109.9	115.0	115.0	109.9	63.9
87.5°	66.5	63.9	66.5	63.9	63.9	61.3	61.3	61.3	58.8	56.2	35.8
90°	30.1	30.1	30.1	30.1	30.1	40.1	53.5	60.2	51.8	34.8	22.2
92.5°	120.6	96.7	120.6	144.6	150.5	213.4	297.2	339.1	297.7	215.0	152.9
95°	420.4	347.9	420.4	492.9	511.0	671.1	884.5	991.2	837.2	529.0	297.9
97.5°	1007.2	869.2	1007.2	1145.3	1179.8	1280.9	1415.8	1483.2	1226.4	712.6	327.3
100°	1451.2	1286.8	1451.2	1615.6	1656.8	1649.4	1639.5	1634.6	1349.5	779.4	351.8
102.5°	1887.9	1747.1	1887.9	2028.9	2064.1	1935.1	1763.3	1677.4	1388.2	810.0	376.3
105°	2444.8	2369.1	2444.8	2520.6	2539.5	2250.6	1865.3	1672.6	1392.7	832.7	412.8
107.5°	2809.6	2827.9	2809.6	2791.2	2786.6	2383.6	1846.3	1577.6	1330.7	837.0	466.7
110°	2948.6	3027.5	2948.6	2869.7	2850.0	2399.5	1798.7	1498.3	1275.8	830.6	496.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2961.0	3082.2	2961.0	2839.9	2809.6	2348.5	1733.6	1426.2	1227.8	831.0	533.3
115°	2882.5	3050.5	2882.5	2714.6	2672.6	2228.3	1636.0	1339.9	1172.8	838.5	587.9
117.5°	2716.0	2902.3	2716.0	2529.8	2483.2	2082.2	1547.7	1280.4	1138.3	854.1	641.0
120°	2581.9	2762.9	2581.9	2400.9	2355.6	1989.2	1500.8	1256.6	1126.7	866.8	671.9
122.5°	2451.2	2629.8	2451.2	2272.7	2228.1	1898.2	1458.3	1238.4	1120.6	885.1	708.4
125°	2264.9	2429.3	2264.9	2100.4	2059.3	1779.1	1405.5	1218.6	1115.6	909.6	755.1
127.5°	2097.3	2236.0	2097.3	1958.5	1923.8	1683.2	1362.4	1202.0	1112.7	934.2	800.3
130°	1998.5	2126.7	1998.5	1870.2	1838.2	1624.0	1338.4	1195.6	1114.4	952.1	830.4
132.5°	1908.8	2023.7	1908.8	1794.1	1765.3	1573.6	1317.9	1190.1	1115.6	966.6	854.9
135°	1786.0	1885.0	1786.0	1687.0	1662.3	1501.7	1287.6	1180.6	1114.6	982.5	883.4
137.5°	1687.5	1768.5	1687.5	1606.5	1586.3	1450.5	1269.5	1179.0	1121.4	1006.3	919.9
140°	1619.9	1695.6	1619.9	1544.2	1525.3	1408.0	1251.7	1173.5	1122.6	1020.8	944.4
142.5°	1563.9	1629.0	1563.9	1498.8	1482.5	1379.5	1242.1	1173.5	1126.6	1033.0	962.7
145°	1479.9	1529.2	1479.9	1430.7	1418.3	1334.1	1221.7	1165.5	1126.6	1048.8	990.4
147.5°	1415.4	1456.3	1415.4	1374.6	1364.4	1298.1	1209.8	1165.5	1134.4	1072.1	1025.3
150°	1374.9	1408.0	1374.9	1341.7	1333.5	1277.5	1202.9	1165.5	1138.4	1084.2	1043.5
152.5°	1340.2	1365.2	1340.2	1315.1	1308.9	1261.1	1197.4	1165.5	1141.1	1092.1	1055.4
155°	1300.3	1316.9	1300.3	1283.8	1279.6	1241.6	1190.9	1165.5	1146.9	1109.6	1081.5
157.5°	1268.8	1280.4	1268.8	1257.1	1254.2	1224.7	1185.2	1165.5	1152.7	1126.9	1107.7
160°	1250.0	1256.6	1250.0	1243.3	1241.6	1216.2	1182.4	1165.5	1155.3	1134.9	1119.6
162.5°	1237.6	1244.0	1237.6	1231.3	1229.7	1208.3	1179.8	1165.5	1158.1	1143.3	1132.2
165°	1219.8	1226.5	1219.8	1213.2	1211.5	1196.1	1175.8	1165.5	1162.2	1155.5	1150.5
167.5°	1207.1	1209.9	1207.1	1204.2	1203.5	1193.5	1180.1	1173.5	1170.6	1165.0	1160.8
170°	1203.5	1203.5	1203.5	1203.5	1203.5	1193.5	1180.1	1173.5	1173.3	1172.9	1172.7
172.5°	1194.2	1191.7	1194.2	1196.6	1197.2	1189.3	1178.7	1173.5	1173.5	1173.5	1173.5
175°	1188.5	1188.5	1188.5	1188.5	1188.5	1183.5	1176.8	1173.5	1175.1	1178.2	1180.6
177.5°	1183.4	1180.6	1183.4	1186.2	1186.9	1183.0	1177.7	1175.1	1176.3	1178.7	1180.6
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8
2.5°	2740.1	2724.8	2724.8	2699.2	2689.0	2681.3	2668.5	2630.2	2620.0	2609.8	2625.1
5°	2763.1	2735.0	2714.6	2668.5	2630.2	2614.9	2566.3	2474.3	2412.9	2366.9	2341.4
7.5°	2768.2	2732.4	2694.1	2622.5	2530.5	2489.6	2341.4	2172.6	2126.6	2085.7	2060.1
10°	2763.1	2722.2	2668.5	2561.2	2343.9	2272.4	2124.0	2014.1	1986.0	1978.3	1986.0
12.5°	2745.2	2706.9	2632.8	2453.8	2149.6	2101.0	2014.1	1950.2	1945.1	1957.9	2026.9
15°	2714.6	2678.8	2591.9	2310.7	2042.2	2006.5	1945.1	1922.1	1950.2	2039.7	2246.7
17.5°	2683.9	2643.0	2535.6	2170.0	1960.5	1934.9	1891.4	1937.4	2095.9	2216.1	2285.1
20°	2643.0	2594.4	2471.7	2067.8	1901.7	1878.7	1858.2	2065.2	2185.4	2228.8	2267.3
22.5°	2594.4	2543.3	2384.8	1996.2	1840.3	1822.4	1835.2	2136.8	2185.4	2216.1	2249.3
25°	2530.5	2487.1	2282.6	1940.0	1791.8	1771.3	1819.9	2129.1	2157.3	2164.9	2231.4
27.5°	2471.7	2415.5	2175.2	1888.9	1733.0	1725.3	1832.7	2095.9	2116.4	2124.0	2195.6
30°	2400.2	2315.8	2055.0	1835.2	1671.6	1669.1	1835.2	2055.0	2049.9	2070.4	2141.9
32.5°	2326.0	2167.5	1919.6	1768.8	1612.8	1610.3	1817.3	1993.7	1988.6	2016.7	2070.4
35°	2257.0	2052.5	1735.5	1692.1	1538.7	1541.3	1773.9	1922.1	1924.7	1950.2	1983.5
37.5°	2185.4	1952.8	1533.6	1607.7	1467.1	1467.1	1715.1	1855.7	1850.5	1858.2	1904.2
40°	2101.0	1796.9	1354.7	1497.8	1400.7	1393.0	1643.5	1784.1	1766.2	1763.6	1827.5
42.5°	2011.6	1625.6	1221.8	1352.1	1324.0	1313.8	1556.6	1697.2	1664.0	1671.6	1753.4
45°	1914.4	1579.6	1119.5	1142.5	1244.8	1237.1	1462.0	1597.5	1574.5	1594.9	1679.3
47.5°	1817.3	1487.6	1086.3	948.3	1160.4	1157.9	1357.2	1500.4	1487.6	1508.0	1597.5
50°	1684.4	1385.4	1083.7	812.8	1065.9	1076.1	1232.0	1405.8	1405.8	1423.7	1518.3
52.5°	1513.2	1260.1	984.1	736.1	955.9	986.6	1122.1	1324.0	1329.1	1347.0	1431.4
55°	1357.2	1129.8	912.5	677.3	825.6	892.0	1014.7	1239.7	1249.9	1267.8	1344.5
57.5°	1214.1	940.6	897.2	608.3	705.5	769.4	920.2	1157.9	1163.0	1178.3	1252.4
60°	1060.7	679.9	823.0	534.2	600.7	649.2	833.3	1060.7	1078.6	1088.9	1152.8
62.5°	886.9	493.3	746.4	483.1	549.5	559.8	761.7	968.7	991.7	999.4	1037.7
65°	631.3	414.1	633.9	439.6	495.9	498.4	685.0	874.2	894.6	907.4	935.5
67.5°	426.9	337.4	483.1	398.7	455.0	457.5	610.9	764.2	792.4	802.6	820.5
70°	296.5	224.9	357.8	355.3	409.0	414.1	531.6	664.6	690.1	697.8	708.0
72.5°	217.3	181.5	296.5	319.5	360.4	365.5	449.9	552.1	577.7	585.3	590.4
75°	166.1	191.7	240.3	278.6	306.7	309.3	368.1	449.9	467.7	472.9	475.4
77.5°	132.9	178.9	176.4	224.9	250.5	245.4	288.8	347.6	363.0	363.0	363.0
80°	99.7	140.6	132.9	161.0	184.0	178.9	207.0	247.9	253.0	258.2	255.6
82.5°	74.1	89.5	89.5	102.2	122.7	117.6	138.0	161.0	161.0	161.0	166.1
85°	46.0	51.1	40.9	53.7	69.0	66.5	76.7	86.9	89.5	89.5	84.3
87.5°	28.1	23.0	12.8	20.4	30.7	30.7	35.8	38.3	35.8	35.8	35.8
90°	20.5	14.2	7.9	14.2	20.5	22.2	34.8	51.8	60.2	53.5	40.1
92.5°	139.5	85.5	31.7	85.5	139.5	152.9	215.0	297.7	339.1	297.2	213.4
95°	273.3	174.7	76.1	174.7	273.3	297.9	529.0	837.2	991.2	884.5	671.1
97.5°	305.5	218.5	131.5	218.5	305.5	327.3	712.6	1226.4	1483.2	1415.8	1280.9
100°	332.1	253.2	174.3	253.2	332.1	351.8	779.4	1349.5	1634.6	1639.5	1649.4
102.5°	357.9	284.4	210.8	284.4	357.9	376.3	810.0	1388.2	1677.4	1763.3	1935.1
105°	397.2	334.9	272.6	334.9	397.2	412.8	832.7	1392.7	1672.6	1865.3	2250.6
107.5°	452.2	394.0	335.9	394.0	452.2	466.7	837.0	1330.7	1577.6	1846.3	2383.6
110°	483.7	431.2	378.7	431.2	483.7	496.8	830.6	1275.8	1498.3	1798.7	2399.5



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CATALOG NUMBER: SQ4-FA-075U-075D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	520.7	470.7	420.7	470.7	520.7	533.3	831.0	1227.8	1426.2	1733.6	2348.5
115°	576.4	530.2	484.1	530.2	576.4	587.9	838.5	1172.8	1339.9	1636.0	2228.3
117.5°	630.5	588.6	546.7	588.6	630.5	641.0	854.1	1138.3	1280.4	1547.7	2082.2
120°	662.0	622.6	583.2	622.6	662.0	671.9	866.8	1126.7	1256.6	1500.8	1989.2
122.5°	698.4	658.6	618.8	658.6	698.4	708.4	885.1	1120.6	1238.4	1458.3	1898.2
125°	746.1	709.8	673.5	709.8	746.1	755.1	909.6	1115.6	1218.6	1405.5	1779.1
127.5°	791.2	754.5	717.9	754.5	791.2	800.3	934.2	1112.7	1202.0	1362.4	1683.2
130°	820.5	781.1	741.7	781.1	820.5	830.4	952.1	1114.4	1195.6	1338.4	1624.0
132.5°	845.0	805.7	766.2	805.7	845.0	854.9	966.6	1115.6	1190.1	1317.9	1573.6
135°	874.5	838.5	802.7	838.5	874.5	883.4	982.5	1114.6	1180.6	1287.6	1501.7
137.5°	911.0	875.4	839.9	875.4	911.0	919.9	1006.3	1121.4	1179.0	1269.5	1450.5
140°	936.3	903.5	870.7	903.5	936.3	944.4	1020.8	1122.6	1173.5	1251.7	1408.0
142.5°	955.1	924.8	894.5	924.8	955.1	962.7	1033.0	1126.6	1173.5	1242.1	1379.5
145°	983.8	957.4	931.0	957.4	983.8	990.4	1048.8	1126.6	1165.5	1221.7	1334.1
147.5°	1018.9	993.2	967.4	993.2	1018.9	1025.3	1072.1	1134.4	1165.5	1209.8	1298.1
150°	1037.7	1014.5	991.2	1014.5	1037.7	1043.5	1084.2	1138.4	1165.5	1202.9	1277.5
152.5°	1050.9	1033.4	1015.8	1033.4	1050.9	1055.4	1092.1	1141.1	1165.5	1197.4	1261.1
155°	1078.3	1065.3	1052.2	1065.3	1078.3	1081.5	1109.6	1146.9	1165.5	1190.9	1241.6
157.5°	1104.5	1091.8	1079.1	1091.8	1104.5	1107.7	1126.9	1152.7	1165.5	1185.2	1224.7
160°	1117.1	1107.3	1097.4	1107.3	1117.1	1119.6	1134.9	1155.3	1165.5	1182.4	1216.2
162.5°	1130.3	1123.0	1115.6	1123.0	1130.3	1132.2	1143.3	1158.1	1165.5	1179.8	1208.3
165°	1148.8	1142.1	1135.5	1142.1	1148.8	1150.5	1155.5	1162.2	1165.5	1175.8	1196.1
167.5°	1160.0	1156.8	1153.6	1156.8	1160.0	1160.8	1165.0	1170.6	1173.5	1180.1	1193.5
170°	1171.9	1168.7	1165.5	1168.7	1171.9	1172.7	1172.9	1173.3	1173.5	1180.1	1193.5
172.5°	1173.3	1172.5	1171.8	1172.5	1173.3	1173.5	1173.5	1173.5	1173.5	1178.7	1189.3
175°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1178.2	1175.1	1173.5	1176.8	1183.5
177.5°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1178.7	1176.3	1175.1	1177.7	1183.0
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



TEST NUMBER: P934769

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8	2701.8
2.5°	2607.2	2599.5	2609.8	2581.6	2609.8	2599.5	2607.2	2625.1	2609.8	2620.0	2630.2
5°	2287.7	2274.9	2233.9	2200.7	2233.9	2274.9	2287.7	2341.4	2366.9	2412.9	2474.3
7.5°	2044.8	2034.6	2024.4	2003.9	2024.4	2034.6	2044.8	2060.1	2085.7	2126.6	2172.6
10°	1991.1	1993.7	2009.0	2006.5	2009.0	1993.7	1991.1	1986.0	1978.3	1986.0	2014.1
12.5°	2129.1	2152.2	2236.5	2231.4	2236.5	2152.2	2129.1	2026.9	1957.9	1945.1	1950.2
15°	2287.7	2295.4	2313.3	2315.8	2313.3	2295.4	2287.7	2246.7	2039.7	1950.2	1922.1
17.5°	2303.0	2305.6	2318.4	2318.4	2318.4	2305.6	2303.0	2285.1	2216.1	2095.9	1937.4
20°	2290.3	2295.4	2320.9	2326.0	2320.9	2295.4	2290.3	2267.3	2228.8	2185.4	2065.2
22.5°	2285.1	2295.4	2315.8	2313.3	2315.8	2295.4	2285.1	2249.3	2216.1	2185.4	2136.8
25°	2259.6	2259.6	2262.1	2264.7	2262.1	2259.6	2259.6	2231.4	2164.9	2157.3	2129.1
27.5°	2205.8	2210.9	2226.3	2223.7	2226.3	2210.9	2205.8	2195.6	2124.0	2116.4	2095.9
30°	2157.3	2152.2	2139.4	2129.1	2139.4	2152.2	2157.3	2141.9	2070.4	2049.9	2055.0
32.5°	2075.5	2062.7	2049.9	2042.2	2049.9	2062.7	2075.5	2070.4	2016.7	1988.6	1993.7
35°	1978.3	1980.9	1978.3	1970.7	1978.3	1980.9	1978.3	1983.5	1950.2	1924.7	1922.1
37.5°	1909.3	1914.4	1911.9	1901.7	1911.9	1914.4	1909.3	1904.2	1858.2	1850.5	1855.7
40°	1837.8	1840.3	1837.8	1830.1	1837.8	1840.3	1837.8	1827.5	1763.6	1766.2	1784.1
42.5°	1768.8	1766.2	1758.5	1753.4	1758.5	1766.2	1768.8	1753.4	1671.6	1664.0	1697.2
45°	1689.5	1692.1	1676.7	1669.1	1676.7	1692.1	1689.5	1679.3	1594.9	1574.5	1597.5
47.5°	1610.3	1610.3	1597.5	1589.8	1597.5	1610.3	1610.3	1597.5	1508.0	1487.6	1500.4
50°	1525.9	1523.4	1505.5	1502.9	1505.5	1523.4	1525.9	1518.3	1423.7	1405.8	1405.8
52.5°	1428.8	1428.8	1431.4	1436.5	1431.4	1428.8	1428.8	1431.4	1347.0	1329.1	1324.0
55°	1344.5	1347.0	1364.9	1370.0	1364.9	1347.0	1344.5	1344.5	1267.8	1249.9	1239.7
57.5°	1257.6	1257.6	1270.3	1270.3	1270.3	1257.6	1257.6	1252.4	1178.3	1163.0	1157.9
60°	1157.9	1163.0	1173.2	1170.6	1173.2	1163.0	1157.9	1152.8	1088.9	1078.6	1060.7
62.5°	1053.1	1058.2	1060.7	1055.6	1060.7	1058.2	1053.1	1037.7	999.4	991.7	968.7
65°	943.2	948.3	950.8	945.7	950.8	948.3	943.2	935.5	907.4	894.6	874.2
67.5°	830.7	828.1	825.6	835.8	825.6	828.1	830.7	820.5	802.6	792.4	764.2
70°	715.7	715.7	713.1	718.2	713.1	715.7	715.7	708.0	697.8	690.1	664.6
72.5°	593.0	590.4	600.7	593.0	600.7	590.4	593.0	590.4	585.3	577.7	552.1
75°	472.9	478.0	472.9	480.5	472.9	478.0	472.9	475.4	472.9	467.7	449.9
77.5°	360.4	365.5	360.4	360.4	360.4	365.5	360.4	363.0	363.0	363.0	347.6
80°	255.6	253.0	253.0	250.5	253.0	253.0	255.6	255.6	258.2	253.0	247.9
82.5°	163.6	161.0	161.0	166.1	161.0	161.0	163.6	166.1	161.0	161.0	161.0
85°	89.5	92.0	86.9	86.9	86.9	92.0	89.5	84.3	89.5	89.5	86.9
87.5°	33.2	30.7	30.7	30.7	30.7	30.7	33.2	35.8	35.8	35.8	38.3
90°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	40.1	53.5	60.2	51.8
92.5°	150.5	144.6	120.6	96.7	120.6	144.6	150.5	213.4	297.2	339.1	297.7
95°	511.0	492.9	420.4	347.9	420.4	492.9	511.0	671.1	884.5	991.2	837.2
97.5°	1179.8	1145.3	1007.2	869.2	1007.2	1145.3	1179.8	1280.9	1415.8	1483.2	1226.4
100°	1656.8	1615.6	1451.2	1286.8	1451.2	1615.6	1656.8	1649.4	1639.5	1634.6	1349.5
102.5°	2064.1	2028.9	1887.9	1747.1	1887.9	2028.9	2064.1	1935.1	1763.3	1677.4	1388.2
105°	2539.5	2520.6	2444.8	2369.1	2444.8	2520.6	2539.5	2250.6	1865.3	1672.6	1392.7
107.5°	2786.6	2791.2	2809.6	2827.9	2809.6	2791.2	2786.6	2383.6	1846.3	1577.6	1330.7
110°	2850.0	2869.7	2948.6	3027.5	2948.6	2869.7	2850.0	2399.5	1798.7	1498.3	1275.8



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2809.6	2839.9	2961.0	3082.2	2961.0	2839.9	2809.6	2348.5	1733.6	1426.2	1227.8
115°	2672.6	2714.6	2882.5	3050.5	2882.5	2714.6	2672.6	2228.3	1636.0	1339.9	1172.8
117.5°	2483.2	2529.8	2716.0	2902.3	2716.0	2529.8	2483.2	2082.2	1547.7	1280.4	1138.3
120°	2355.6	2400.9	2581.9	2762.9	2581.9	2400.9	2355.6	1989.2	1500.8	1256.6	1126.7
122.5°	2228.1	2272.7	2451.2	2629.8	2451.2	2272.7	2228.1	1898.2	1458.3	1238.4	1120.6
125°	2059.3	2100.4	2264.9	2429.3	2264.9	2100.4	2059.3	1779.1	1405.5	1218.6	1115.6
127.5°	1923.8	1958.5	2097.3	2236.0	2097.3	1958.5	1923.8	1683.2	1362.4	1202.0	1112.7
130°	1838.2	1870.2	1998.5	2126.7	1998.5	1870.2	1838.2	1624.0	1338.4	1195.6	1114.4
132.5°	1765.3	1794.1	1908.8	2023.7	1908.8	1794.1	1765.3	1573.6	1317.9	1190.1	1115.6
135°	1662.3	1687.0	1786.0	1885.0	1786.0	1687.0	1662.3	1501.7	1287.6	1180.6	1114.6
137.5°	1586.3	1606.5	1687.5	1768.5	1687.5	1606.5	1586.3	1450.5	1269.5	1179.0	1121.4
140°	1525.3	1544.2	1619.9	1695.6	1619.9	1544.2	1525.3	1408.0	1251.7	1173.5	1122.6
142.5°	1482.5	1498.8	1563.9	1629.0	1563.9	1498.8	1482.5	1379.5	1242.1	1173.5	1126.6
145°	1418.3	1430.7	1479.9	1529.2	1479.9	1430.7	1418.3	1334.1	1221.7	1165.5	1126.6
147.5°	1364.4	1374.6	1415.4	1456.3	1415.4	1374.6	1364.4	1298.1	1209.8	1165.5	1134.4
150°	1333.5	1341.7	1374.9	1408.0	1374.9	1341.7	1333.5	1277.5	1202.9	1165.5	1138.4
152.5°	1308.9	1315.1	1340.2	1365.2	1340.2	1315.1	1308.9	1261.1	1197.4	1165.5	1141.1
155°	1279.6	1283.8	1300.3	1316.9	1300.3	1283.8	1279.6	1241.6	1190.9	1165.5	1146.9
157.5°	1254.2	1257.1	1268.8	1280.4	1268.8	1257.1	1254.2	1224.7	1185.2	1165.5	1152.7
160°	1241.6	1243.3	1250.0	1256.6	1250.0	1243.3	1241.6	1216.2	1182.4	1165.5	1155.3
162.5°	1229.7	1231.3	1237.6	1244.0	1237.6	1231.3	1229.7	1208.3	1179.8	1165.5	1158.1
165°	1211.5	1213.2	1219.8	1226.5	1219.8	1213.2	1211.5	1196.1	1175.8	1165.5	1162.2
167.5°	1203.5	1204.2	1207.1	1209.9	1207.1	1204.2	1203.5	1193.5	1180.1	1173.5	1170.6
170°	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1203.5	1193.5	1180.1	1173.5	1173.3
172.5°	1197.2	1196.6	1194.2	1191.7	1194.2	1196.6	1197.2	1189.3	1178.7	1173.5	1173.5
175°	1188.5	1188.5	1188.5	1188.5	1188.5	1188.5	1188.5	1183.5	1176.8	1173.5	1175.1
177.5°	1186.9	1186.2	1183.4	1180.6	1183.4	1186.2	1186.9	1183.0	1177.7	1175.1	1176.3
180°	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6	1180.6



TEST NUMBER: P934769

CATALOG NUMBER: SQ4-FA-075U-075D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2701.8	2701.8	2701.8	2701.8	2701.8
2.5°	2668.5	2681.3	2689.0	2699.2	2724.8
5°	2566.3	2614.9	2630.2	2668.5	2714.6
7.5°	2341.4	2489.6	2530.5	2622.5	2694.1
10°	2124.0	2272.4	2343.9	2561.2	2668.5
12.5°	2014.1	2101.0	2149.6	2453.8	2632.8
15°	1945.1	2006.5	2042.2	2310.7	2591.9
17.5°	1891.4	1934.9	1960.5	2170.0	2535.6
20°	1858.2	1878.7	1901.7	2067.8	2471.7
22.5°	1835.2	1822.4	1840.3	1996.2	2384.8
25°	1819.9	1771.3	1791.8	1940.0	2282.6
27.5°	1832.7	1725.3	1733.0	1888.9	2175.2
30°	1835.2	1669.1	1671.6	1835.2	2055.0
32.5°	1817.3	1610.3	1612.8	1768.8	1919.6
35°	1773.9	1541.3	1538.7	1692.1	1735.5
37.5°	1715.1	1467.1	1467.1	1607.7	1533.6
40°	1643.5	1393.0	1400.7	1497.8	1354.7
42.5°	1556.6	1313.8	1324.0	1352.1	1221.8
45°	1462.0	1237.1	1244.8	1142.5	1119.5
47.5°	1357.2	1157.9	1160.4	948.3	1086.3
50°	1232.0	1076.1	1065.9	812.8	1083.7
52.5°	1122.1	986.6	955.9	736.1	984.1
55°	1014.7	892.0	825.6	677.3	912.5
57.5°	920.2	769.4	705.5	608.3	897.2
60°	833.3	649.2	600.7	534.2	823.0
62.5°	761.7	559.8	549.5	483.1	746.4
65°	685.0	498.4	495.9	439.6	633.9
67.5°	610.9	457.5	455.0	398.7	483.1
70°	531.6	414.1	409.0	355.3	357.8
72.5°	449.9	365.5	360.4	319.5	296.5
75°	368.1	309.3	306.7	278.6	240.3
77.5°	288.8	245.4	250.5	224.9	176.4
80°	207.0	178.9	184.0	161.0	132.9
82.5°	138.0	117.6	122.7	102.2	89.5
85°	76.7	66.5	69.0	53.7	40.9
87.5°	35.8	30.7	30.7	20.4	12.8
90°	34.8	22.2	20.5	14.2	7.9
92.5°	215.0	152.9	139.5	85.5	31.7
95°	529.0	297.9	273.3	174.7	76.1
97.5°	712.6	327.3	305.5	218.5	131.5
100°	779.4	351.8	332.1	253.2	174.3
102.5°	810.0	376.3	357.9	284.4	210.8
105°	832.7	412.8	397.2	334.9	272.6
107.5°	837.0	466.7	452.2	394.0	335.9
110°	830.6	496.8	483.7	431.2	378.7



TEST NUMBER: P934769
 CATALOG NUMBER: SQ4-FA-075U-075D-935-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	831.0	533.3	520.7	470.7	420.7
115°	838.5	587.9	576.4	530.2	484.1
117.5°	854.1	641.0	630.5	588.6	546.7
120°	866.8	671.9	662.0	622.6	583.2
122.5°	885.1	708.4	698.4	658.6	618.8
125°	909.6	755.1	746.1	709.8	673.5
127.5°	934.2	800.3	791.2	754.5	717.9
130°	952.1	830.4	820.5	781.1	741.7
132.5°	966.6	854.9	845.0	805.7	766.2
135°	982.5	883.4	874.5	838.5	802.7
137.5°	1006.3	919.9	911.0	875.4	839.9
140°	1020.8	944.4	936.3	903.5	870.7
142.5°	1033.0	962.7	955.1	924.8	894.5
145°	1048.8	990.4	983.8	957.4	931.0
147.5°	1072.1	1025.3	1018.9	993.2	967.4
150°	1084.2	1043.5	1037.7	1014.5	991.2
152.5°	1092.1	1055.4	1050.9	1033.4	1015.8
155°	1109.6	1081.5	1078.3	1065.3	1052.2
157.5°	1126.9	1107.7	1104.5	1091.8	1079.1
160°	1134.9	1119.6	1117.1	1107.3	1097.4
162.5°	1143.3	1132.2	1130.3	1123.0	1115.6
165°	1155.5	1150.5	1148.8	1142.1	1135.5
167.5°	1165.0	1160.8	1160.0	1156.8	1153.6
170°	1172.9	1172.7	1171.9	1168.7	1165.5
172.5°	1173.5	1173.5	1173.3	1172.5	1171.8
175°	1178.2	1180.6	1180.6	1180.6	1180.6
177.5°	1178.7	1180.6	1180.6	1180.6	1180.6
180°	1180.6	1180.6	1180.6	1180.6	1180.6



TEST NUMBER: P934769
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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	11.98	12.82	12.96	13.81	15.12	14.83	15.67	15.81	16.66	17.97
	3H	12.46	13.21	13.44	14.21	15.53	16.18	16.94	17.17	17.94	19.26
	4H	12.65	13.36	13.65	14.36	15.70	16.63	17.35	17.63	18.35	19.68
	6H	12.76	13.42	13.78	14.43	15.77	16.92	17.58	17.93	18.58	19.93
	8H	12.77	13.39	13.78	14.41	15.76	17.00	17.62	18.01	18.65	19.99
	12H	12.74	13.33	13.76	14.35	15.71	17.04	17.63	18.06	18.65	20.02
4H	2H	13.02	13.73	14.02	14.73	16.06	15.24	15.95	16.24	16.95	18.29
	3H	14.04	14.64	15.06	15.67	17.01	16.75	17.34	17.76	18.37	19.72
	4H	14.32	14.86	15.34	15.88	17.25	17.28	17.82	18.30	18.85	20.22
	6H	14.44	14.91	15.48	15.96	17.32	17.65	18.12	18.68	19.17	20.53
	8H	14.45	14.88	15.48	15.92	17.30	17.76	18.20	18.79	19.24	20.62
	12H	14.41	14.81	15.47	15.86	17.25	17.82	18.21	18.87	19.27	20.65
8H	4H	14.77	15.21	15.81	16.25	17.63	17.40	17.84	18.44	18.88	20.26
	6H	15.03	15.39	16.09	16.48	17.85	17.84	18.21	18.90	19.29	20.66
	8H	15.08	15.39	16.14	16.46	17.86	18.00	18.32	19.07	19.38	20.78
	12H	15.06	15.34	16.13	16.40	17.84	18.10	18.38	19.17	19.44	20.88
12H	4H	14.78	15.17	15.83	16.23	17.61	17.37	17.76	18.42	18.82	20.20
	6H	15.10	15.41	16.16	16.48	17.88	17.84	18.16	18.91	19.23	20.62
	8H	15.16	15.44	16.23	16.50	17.94	18.01	18.28	19.08	19.35	20.78