

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: P934721

Luminaire Tested: SQ4-FA-075U-075D-927-1D-UNV-STD-W-12

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934721
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-927-1D-UNV-STD-W-12
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

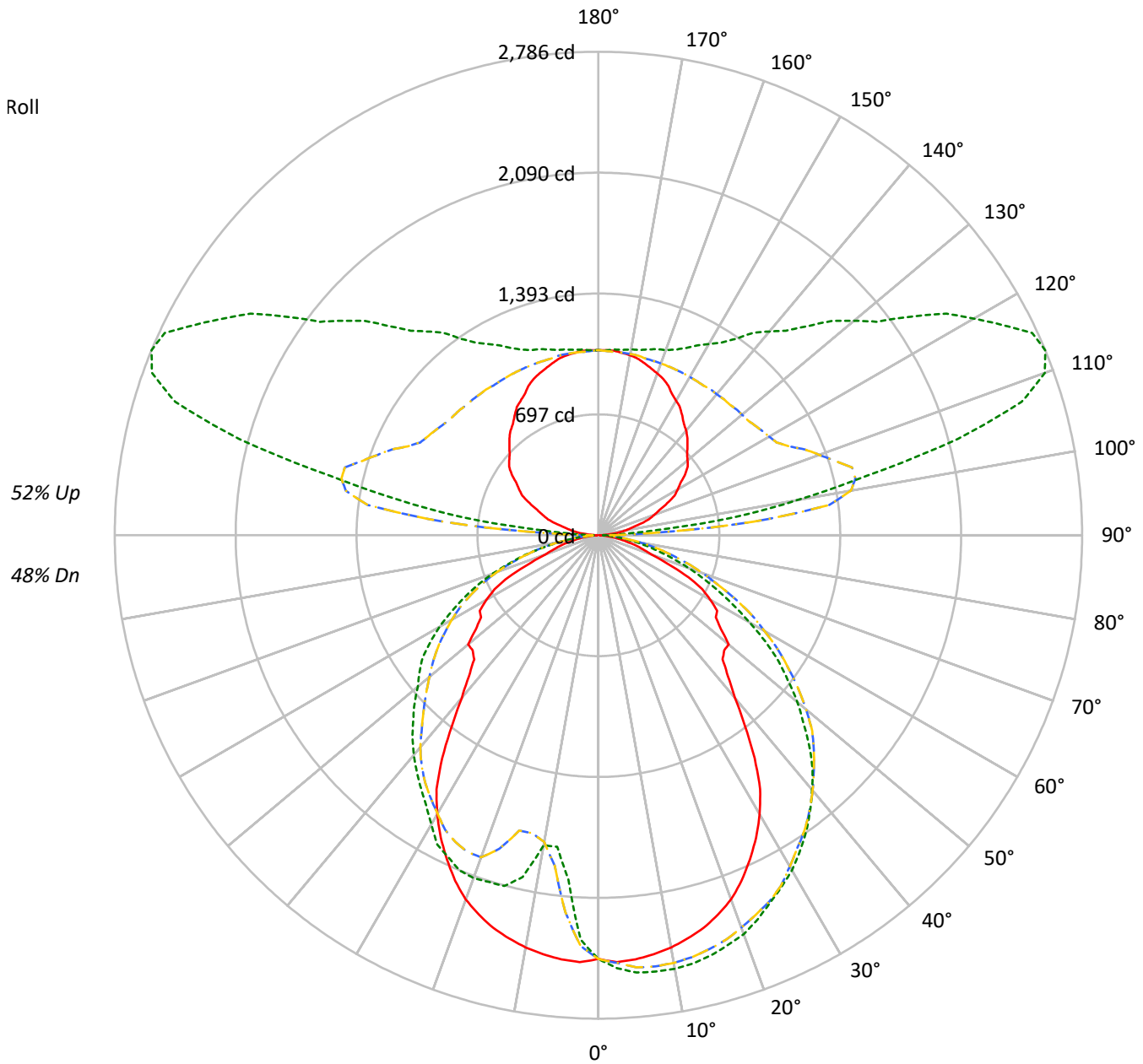
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13251.6 lumens
Efficiency: N/A
Efficacy: 104.2 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°	7552	7552	7552	7552
5°	7612	7624	7612	5994
10°	7564	7510	7564	5369
15°	7484	7347	7484	6135
20°	7331	7155	7331	6148
25°	7013	6873	7013	6017
30°	6601	6640	6601	5731
35°	5888	6345	5888	5417
40°	4909	5997	4909	5180
45°	4389	5590	4389	4906
50°	4667	5105	4667	4632
55°	4395	4582	4395	4474
60°	4536	3892	4536	4098
65°	4119	3217	4119	3596
70°	2859	2564	2859	3014
75°	2516	1895	2516	2270
80°	2043	1253	2043	1364
85°	1199	664	1199	564

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 6723 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.4	1.7
10°-20°	625.8	4.7
20°-30°	967.4	7.3
30°-40°	1154.8	8.7
40°-50°	1161.6	8.8
50°-60°	1010.7	7.6
60°-70°	716.6	5.4
70°-80°	379.1	2.9
80°-90°	98.5	0.7
90°-100°	520.1	3.9
100°-110°	1367.3	10.3
110°-120°	1417.8	10.7
120°-130°	1137.2	8.6
130°-140°	892.3	6.7
140°-150°	684.9	5.2
150°-160°	493.2	3.7
160°-170°	301.8	2.3
170°-180°	102.0	0.8
0°-30°	1813.6	13.7
0°-40°	2968.4	22.4
0°-60°	5140.7	38.8
0°-90°	6334.9	47.8
90°-120°	3305.2	24.9
90°-150°	6019.7	45.4
90°-180°	6917.0	52.2
0°-180°	13251.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2442	2442	2442	2442	2442	
5°	2453	2530	2453	1989	2453	233
15°	2342	2506	2342	2093	2342	659
25°	2063	2338	2063	2047	2063	947
35°	1568	2086	1568	1781	1568	970
45°	1012	1719	1012	1508	1012	810
55°	825	1268	825	1238	825	758
65°	573	765	573	855	573	548
75°	217	363	217	434	217	228
85°	37	92	37	78	37	50
90°	7	27	7	27	7	7
95°	69	314	69	314	69	76
105°	246	2141	246	2141	246	261
115°	438	2757	438	2757	438	432
125°	609	2196	609	2196	609	540
135°	725	1704	725	1704	725	561
145°	841	1382	841	1382	841	527
155°	951	1190	951	1190	951	437
165°	1026	1108	1026	1108	1026	290
175°	1067	1074	1067	1074	1067	101
180°	1067	1067	1067	1067	1067	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2462.5	2462.5	2476.4	2481.0	2481.0	2474.1	2467.2	2474.1	2494.9	2501.8	2499.5
5°	2453.3	2471.8	2497.2	2501.8	2506.4	2504.1	2499.5	2504.1	2527.2	2531.8	2534.1
7.5°	2434.8	2469.5	2501.8	2508.7	2515.7	2508.7	2506.4	2511.0	2534.1	2538.8	2538.8
10°	2411.7	2460.2	2497.2	2501.8	2508.7	2501.8	2501.8	2511.0	2534.1	2538.8	2541.1
12.5°	2379.4	2446.4	2481.0	2485.6	2494.9	2492.6	2490.3	2499.5	2522.6	2527.2	2527.2
15°	2342.4	2421.0	2453.3	2457.9	2474.1	2469.5	2469.5	2478.7	2504.1	2511.0	2508.7
17.5°	2291.6	2388.6	2425.6	2432.5	2444.1	2441.7	2444.1	2453.3	2476.4	2481.0	2483.3
20°	2233.8	2344.7	2388.6	2395.5	2407.1	2407.1	2407.1	2418.6	2441.7	2451.0	2451.0
22.5°	2155.3	2298.5	2344.7	2349.3	2363.2	2363.2	2367.8	2384.0	2404.8	2407.1	2407.1
25°	2062.9	2247.7	2287.0	2300.8	2314.7	2321.6	2328.6	2337.8	2344.7	2342.4	2344.7
27.5°	1965.8	2183.0	2233.8	2243.1	2261.6	2268.5	2277.7	2280.0	2282.4	2289.3	2284.7
30°	1857.2	2092.9	2169.2	2178.4	2208.4	2213.1	2203.8	2208.4	2220.0	2224.6	2229.2
32.5°	1734.8	1958.9	2102.2	2123.0	2150.7	2136.8	2134.5	2141.4	2159.9	2159.9	2164.5
35°	1568.5	1854.9	2039.8	2058.3	2079.1	2062.9	2072.1	2074.5	2086.0	2092.9	2090.6
37.5°	1386.0	1764.8	1975.0	1988.9	2005.1	1984.3	1998.2	2005.1	2014.3	2009.7	2009.7
40°	1224.3	1623.9	1898.8	1908.1	1921.9	1905.8	1919.6	1924.2	1928.8	1924.2	1921.9
42.5°	1104.2	1469.2	1818.0	1829.5	1820.3	1831.8	1836.4	1845.7	1838.8	1829.5	1829.5
45°	1011.8	1427.6	1730.2	1744.0	1730.2	1748.7	1755.6	1755.6	1734.8	1730.2	1727.9
47.5°	981.8	1344.4	1642.4	1642.4	1635.5	1658.6	1670.1	1654.0	1633.2	1626.2	1626.2
50°	979.4	1252.0	1522.3	1513.0	1545.4	1573.1	1561.6	1545.4	1529.2	1503.8	1503.8
52.5°	889.4	1138.8	1367.5	1402.2	1453.0	1469.2	1450.7	1434.5	1406.8	1395.2	1386.0
55°	824.7	1021.0	1226.6	1295.9	1349.0	1369.8	1335.2	1319.0	1277.4	1270.5	1265.9
57.5°	810.8	850.1	1097.2	1185.0	1249.7	1247.4	1226.6	1196.6	1161.9	1155.0	1152.7
60°	743.8	614.5	958.6	1062.6	1129.6	1122.7	1104.2	1076.5	1044.1	1039.5	1034.9
62.5°	674.5	445.8	801.6	919.4	1014.1	1011.8	995.6	954.0	930.9	919.4	910.1
65°	572.9	374.2	570.6	764.6	900.9	905.5	870.9	840.8	815.4	801.6	799.3
67.5°	436.6	304.9	385.8	637.6	792.3	787.7	743.8	730.0	697.6	690.7	676.8
70°	323.4	203.3	268.0	517.4	686.1	674.5	639.9	623.7	593.7	577.5	568.3
72.5°	268.0	164.0	196.4	401.9	577.5	563.6	533.6	515.1	489.7	475.9	466.6
75°	217.1	173.2	150.2	298.0	468.9	459.7	432.0	413.5	392.7	374.2	376.5
77.5°	159.4	161.7	120.1	219.4	371.9	358.0	341.9	318.8	309.5	291.1	291.1
80°	120.1	127.0	90.1	150.2	268.0	268.0	254.1	237.9	221.8	212.5	212.5
82.5°	80.9	80.9	67.0	94.7	182.5	175.6	166.3	161.7	152.5	147.8	147.8
85°	37.0	46.2	41.6	57.8	99.3	104.0	104.0	99.3	97.0	92.4	94.7
87.5°	11.6	20.8	25.4	32.3	50.8	53.1	55.4	55.4	55.4	57.8	57.8
90°	7.2	12.9	18.6	20.0	31.5	46.8	54.4	48.4	36.3	27.2	27.2
92.5°	28.6	77.3	126.0	138.2	194.3	269.0	306.5	268.6	192.9	136.1	130.7
95°	68.8	157.8	247.0	269.3	478.1	756.6	895.8	799.4	606.5	461.8	445.4
97.5°	118.9	197.5	276.1	295.8	644.0	1108.3	1340.5	1279.5	1157.6	1066.2	1035.0
100°	157.5	228.8	300.1	317.9	704.4	1219.6	1477.2	1481.7	1490.6	1497.3	1460.2
102.5°	190.5	257.0	323.5	340.1	732.0	1254.6	1516.0	1593.6	1748.9	1865.4	1833.6
105°	246.3	302.7	359.0	373.1	752.6	1258.6	1511.7	1685.8	2034.0	2295.1	2278.0
107.5°	303.6	356.1	408.6	421.8	756.4	1202.7	1425.7	1668.6	2154.2	2518.4	2522.6
110°	342.3	389.7	437.1	449.0	750.7	1153.0	1354.1	1625.6	2168.6	2575.7	2593.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	380.2	425.4	470.6	481.9	751.0	1109.6	1289.0	1566.8	2122.5	2539.2	2566.6
115°	437.5	479.2	520.9	531.3	757.8	1059.9	1210.9	1478.6	2013.9	2415.3	2453.3
117.5°	494.1	532.0	569.8	579.3	771.9	1028.7	1157.2	1398.7	1881.8	2244.2	2286.3
120°	527.1	562.7	598.3	607.2	783.4	1018.2	1135.7	1356.4	1797.8	2128.9	2169.8
122.5°	559.3	595.2	631.2	640.2	799.9	1012.8	1119.2	1317.9	1715.5	2013.6	2054.0
125°	608.7	641.5	674.3	682.5	822.1	1008.2	1101.3	1270.2	1607.8	1861.1	1898.3
127.5°	648.8	681.9	715.0	723.3	844.3	1005.6	1086.3	1231.3	1521.2	1738.7	1770.0
130°	670.3	705.9	741.5	750.4	860.5	1007.2	1080.5	1209.6	1467.7	1661.3	1690.2
132.5°	692.5	728.1	763.7	772.6	873.6	1008.2	1075.5	1191.0	1422.1	1595.4	1621.4
135°	725.4	757.8	790.3	798.4	888.0	1007.3	1067.0	1163.7	1357.2	1502.3	1524.7
137.5°	759.1	791.2	823.4	831.4	909.4	1013.5	1065.5	1147.3	1310.9	1433.6	1451.9
140°	786.9	816.5	846.2	853.5	922.5	1014.6	1060.5	1131.2	1272.5	1378.5	1395.5
142.5°	808.4	835.8	863.2	870.0	933.5	1018.2	1060.5	1122.6	1246.7	1339.8	1354.5
145°	841.4	865.2	889.1	895.1	947.9	1018.2	1053.4	1104.1	1205.7	1281.8	1293.0
147.5°	874.3	897.6	920.8	926.6	968.9	1025.2	1053.4	1093.3	1173.2	1233.1	1242.3
150°	895.8	916.8	937.9	943.1	979.8	1028.9	1053.4	1087.1	1154.5	1205.1	1212.6
152.5°	918.0	933.9	949.8	953.8	987.0	1031.3	1053.4	1082.2	1139.8	1183.0	1188.6
155°	951.0	962.7	974.5	977.4	1002.8	1036.5	1053.4	1076.3	1122.1	1156.5	1160.2
157.5°	975.3	986.8	998.2	1001.1	1018.5	1041.7	1053.4	1071.1	1106.8	1133.5	1136.1
160°	991.8	1000.7	1009.6	1011.9	1025.7	1044.1	1053.4	1068.6	1099.2	1122.1	1123.7
162.5°	1008.2	1014.9	1021.6	1023.3	1033.3	1046.7	1053.4	1066.2	1092.0	1111.3	1112.8
165°	1026.2	1032.2	1038.2	1039.7	1044.3	1050.4	1053.4	1062.6	1081.0	1094.9	1096.4
167.5°	1042.6	1045.4	1048.4	1049.0	1052.9	1058.0	1060.5	1066.5	1078.6	1087.7	1088.3
170°	1053.4	1056.2	1059.1	1059.8	1060.1	1060.4	1060.5	1066.5	1078.6	1087.7	1087.7
172.5°	1059.1	1059.7	1060.4	1060.5	1060.5	1060.5	1060.5	1065.3	1074.8	1082.0	1081.5
175°	1067.0	1067.0	1067.0	1067.0	1064.8	1062.0	1060.5	1063.5	1069.6	1074.2	1074.2
177.5°	1067.0	1067.0	1067.0	1067.0	1065.3	1063.1	1062.0	1064.4	1069.1	1072.7	1072.1
180°	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2504.1	2497.2	2504.1	2499.5	2501.8	2494.9	2474.1	2467.2	2474.1	2481.0	2481.0
5°	2534.1	2529.5	2534.1	2534.1	2531.8	2527.2	2504.1	2499.5	2504.1	2506.4	2501.8
7.5°	2543.4	2536.5	2543.4	2538.8	2538.8	2534.1	2511.0	2506.4	2508.7	2515.7	2508.7
10°	2543.4	2536.5	2543.4	2541.1	2538.8	2534.1	2511.0	2501.8	2501.8	2508.7	2501.8
12.5°	2531.8	2527.2	2531.8	2527.2	2527.2	2522.6	2499.5	2490.3	2492.6	2494.9	2485.6
15°	2513.4	2506.4	2513.4	2508.7	2511.0	2504.1	2478.7	2469.5	2469.5	2474.1	2457.9
17.5°	2485.6	2476.4	2485.6	2483.3	2481.0	2476.4	2453.3	2444.1	2441.7	2444.1	2432.5
20°	2453.3	2446.4	2453.3	2451.0	2451.0	2441.7	2418.6	2407.1	2407.1	2407.1	2395.5
22.5°	2402.5	2395.5	2402.5	2407.1	2407.1	2404.8	2384.0	2367.8	2363.2	2363.2	2349.3
25°	2344.7	2337.8	2344.7	2344.7	2342.4	2344.7	2337.8	2328.6	2321.6	2314.7	2300.8
27.5°	2289.3	2284.7	2289.3	2284.7	2289.3	2282.4	2280.0	2277.7	2268.5	2261.6	2243.1
30°	2233.8	2229.2	2233.8	2229.2	2224.6	2220.0	2208.4	2203.8	2213.1	2208.4	2178.4
32.5°	2164.5	2159.9	2164.5	2164.5	2159.9	2159.9	2141.4	2134.5	2136.8	2150.7	2123.0
35°	2092.9	2086.0	2092.9	2090.6	2092.9	2086.0	2074.5	2072.1	2062.9	2079.1	2058.3
37.5°	2009.7	2002.8	2009.7	2009.7	2009.7	2014.3	2005.1	1998.2	1984.3	2005.1	1988.9
40°	1924.2	1915.0	1924.2	1921.9	1924.2	1928.8	1924.2	1919.6	1905.8	1921.9	1908.1
42.5°	1827.2	1824.9	1827.2	1829.5	1829.5	1838.8	1845.7	1836.4	1831.8	1820.3	1829.5
45°	1723.3	1718.6	1723.3	1727.9	1730.2	1734.8	1755.6	1755.6	1748.7	1730.2	1744.0
47.5°	1612.4	1600.8	1612.4	1626.2	1626.2	1633.2	1654.0	1670.1	1658.6	1635.5	1642.4
50°	1494.6	1496.9	1494.6	1503.8	1503.8	1529.2	1545.4	1561.6	1573.1	1545.4	1513.0
52.5°	1379.1	1376.8	1379.1	1386.0	1395.2	1406.8	1434.5	1450.7	1469.2	1453.0	1402.2
55°	1263.6	1268.2	1263.6	1265.9	1270.5	1277.4	1319.0	1335.2	1369.8	1349.0	1295.9
57.5°	1148.1	1141.1	1148.1	1152.7	1155.0	1161.9	1196.6	1226.6	1247.4	1249.7	1185.0
60°	1014.1	1004.8	1014.1	1034.9	1039.5	1044.1	1076.5	1104.2	1122.7	1129.6	1062.6
62.5°	896.3	880.1	896.3	910.1	919.4	930.9	954.0	995.6	1011.8	1014.1	919.4
65°	771.5	764.6	771.5	799.3	801.6	815.4	840.8	870.9	905.5	900.9	764.6
67.5°	658.4	658.4	658.4	676.8	690.7	697.6	730.0	743.8	787.7	792.3	637.6
70°	554.4	552.1	554.4	568.3	577.5	593.7	623.7	639.9	674.5	686.1	517.4
72.5°	455.1	452.8	455.1	466.6	475.9	489.7	515.1	533.6	563.6	577.5	401.9
75°	367.3	362.7	367.3	376.5	374.2	392.7	413.5	432.0	459.7	468.9	298.0
77.5°	281.8	281.8	281.8	291.1	291.1	309.5	318.8	341.9	358.0	371.9	219.4
80°	210.2	207.9	210.2	212.5	212.5	221.8	237.9	254.1	268.0	268.0	150.2
82.5°	147.8	143.2	147.8	147.8	147.8	152.5	161.7	166.3	175.6	182.5	94.7
85°	92.4	92.4	92.4	94.7	92.4	97.0	99.3	104.0	104.0	99.3	57.8
87.5°	60.1	57.8	60.1	57.8	57.8	55.4	55.4	55.4	53.1	50.8	32.3
90°	27.2	27.2	27.2	27.2	27.2	36.3	48.4	54.4	46.8	31.5	20.0
92.5°	109.0	87.4	109.0	130.7	136.1	192.9	268.6	306.5	269.0	194.3	138.2
95°	379.9	314.4	379.9	445.4	461.8	606.5	799.4	895.8	756.6	478.1	269.3
97.5°	910.3	785.6	910.3	1035.0	1066.2	1157.6	1279.5	1340.5	1108.3	644.0	295.8
100°	1311.5	1162.9	1311.5	1460.2	1497.3	1490.6	1481.7	1477.2	1219.6	704.4	317.9
102.5°	1706.2	1579.0	1706.2	1833.6	1865.4	1748.9	1593.6	1516.0	1254.6	732.0	340.1
105°	2209.5	2141.1	2209.5	2278.0	2295.1	2034.0	1685.8	1511.7	1258.6	752.6	373.1
107.5°	2539.2	2555.7	2539.2	2522.6	2518.4	2154.2	1668.6	1425.7	1202.7	756.4	421.8
110°	2664.8	2736.1	2664.8	2593.5	2575.7	2168.6	1625.6	1354.1	1153.0	750.7	449.0



TEST NUMBER: P934721

CATALOG NUMBER: SQ4-FA-075U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	2676.1	2785.6	2676.1	2566.6	2539.2	2122.5	1566.8	1289.0	1109.6	751.0	481.9
115°	2605.1	2756.9	2605.1	2453.3	2415.3	2013.9	1478.6	1210.9	1059.9	757.8	531.3
117.5°	2454.6	2623.0	2454.6	2286.3	2244.2	1881.8	1398.7	1157.2	1028.7	771.9	579.3
120°	2333.4	2497.0	2333.4	2169.8	2128.9	1797.8	1356.4	1135.7	1018.2	783.4	607.2
122.5°	2215.3	2376.7	2215.3	2054.0	2013.6	1715.5	1317.9	1119.2	1012.8	799.9	640.2
125°	2046.9	2195.5	2046.9	1898.3	1861.1	1607.8	1270.2	1101.3	1008.2	822.1	682.5
127.5°	1895.4	2020.8	1895.4	1770.0	1738.7	1521.2	1231.3	1086.3	1005.6	844.3	723.3
130°	1806.1	1922.0	1806.1	1690.2	1661.3	1467.7	1209.6	1080.5	1007.2	860.5	750.4
132.5°	1725.1	1828.9	1725.1	1621.4	1595.4	1422.1	1191.0	1075.5	1008.2	873.6	772.6
135°	1614.2	1703.5	1614.2	1524.7	1502.3	1357.2	1163.7	1067.0	1007.3	888.0	798.4
137.5°	1525.1	1598.3	1525.1	1451.9	1433.6	1310.9	1147.3	1065.5	1013.5	909.4	831.4
140°	1464.0	1532.4	1464.0	1395.5	1378.5	1272.5	1131.2	1060.5	1014.6	922.5	853.5
142.5°	1413.4	1472.2	1413.4	1354.5	1339.8	1246.7	1122.6	1060.5	1018.2	933.5	870.0
145°	1337.5	1382.0	1337.5	1293.0	1281.8	1205.7	1104.1	1053.4	1018.2	947.9	895.1
147.5°	1279.2	1316.2	1279.2	1242.3	1233.1	1173.2	1093.3	1053.4	1025.2	968.9	926.6
150°	1242.5	1272.5	1242.5	1212.6	1205.1	1154.5	1087.1	1053.4	1028.9	979.8	943.1
152.5°	1211.2	1233.8	1211.2	1188.6	1183.0	1139.8	1082.2	1053.4	1031.3	987.0	953.8
155°	1175.2	1190.1	1175.2	1160.2	1156.5	1122.1	1076.3	1053.4	1036.5	1002.8	977.4
157.5°	1146.7	1157.2	1146.7	1136.1	1133.5	1106.8	1071.1	1053.4	1041.7	1018.5	1001.1
160°	1129.7	1135.7	1129.7	1123.7	1122.1	1099.2	1068.6	1053.4	1044.1	1025.7	1011.9
162.5°	1118.5	1124.3	1118.5	1112.8	1111.3	1092.0	1066.2	1053.4	1046.7	1033.3	1023.3
165°	1102.4	1108.5	1102.4	1096.4	1094.9	1081.0	1062.6	1053.4	1050.4	1044.3	1039.7
167.5°	1090.9	1093.5	1090.9	1088.3	1087.7	1078.6	1066.5	1060.5	1058.0	1052.9	1049.0
170°	1087.7	1087.7	1087.7	1087.7	1087.7	1078.6	1066.5	1060.5	1060.4	1060.1	1059.8
172.5°	1079.2	1077.0	1079.2	1081.5	1082.0	1074.8	1065.3	1060.5	1060.5	1060.5	1060.5
175°	1074.2	1074.2	1074.2	1074.2	1074.2	1069.6	1063.5	1060.5	1062.0	1064.8	1067.0
177.5°	1069.5	1067.0	1069.5	1072.1	1072.7	1069.1	1064.4	1062.0	1063.1	1065.3	1067.0
180°	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0



TEST NUMBER: P934721

CATALOG NUMBER: SQ4-FA-075U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2476.4	2462.5	2462.5	2439.4	2430.2	2423.3	2411.7	2377.1	2367.8	2358.6	2372.4
5°	2497.2	2471.8	2453.3	2411.7	2377.1	2363.2	2319.3	2236.2	2180.7	2139.1	2116.0
7.5°	2501.8	2469.5	2434.8	2370.1	2287.0	2250.0	2116.0	1963.5	1921.9	1885.0	1861.9
10°	2497.2	2460.2	2411.7	2314.7	2118.3	2053.7	1919.6	1820.3	1794.9	1787.9	1794.9
12.5°	2481.0	2446.4	2379.4	2217.7	1942.7	1898.8	1820.3	1762.5	1757.9	1769.5	1831.8
15°	2453.3	2421.0	2342.4	2088.3	1845.7	1813.4	1757.9	1737.1	1762.5	1843.4	2030.5
17.5°	2425.6	2388.6	2291.6	1961.2	1771.8	1748.7	1709.4	1751.0	1894.2	2002.8	2065.2
20°	2388.6	2344.7	2233.8	1868.8	1718.6	1697.8	1679.4	1866.5	1975.0	2014.3	2049.0
22.5°	2344.7	2298.5	2155.3	1804.1	1663.2	1647.0	1658.6	1931.2	1975.0	2002.8	2032.8
25°	2287.0	2247.7	2062.9	1753.3	1619.3	1600.8	1644.7	1924.2	1949.6	1956.6	2016.6
27.5°	2233.8	2183.0	1965.8	1707.1	1566.2	1559.2	1656.3	1894.2	1912.7	1919.6	1984.3
30°	2169.2	2092.9	1857.2	1658.6	1510.7	1508.4	1658.6	1857.2	1852.6	1871.1	1935.8
32.5°	2102.2	1958.9	1734.8	1598.5	1457.6	1455.3	1642.4	1801.8	1797.2	1822.6	1871.1
35°	2039.8	1854.9	1568.5	1529.2	1390.6	1392.9	1603.1	1737.1	1739.4	1762.5	1792.6
37.5°	1975.0	1764.8	1386.0	1453.0	1325.9	1325.9	1550.0	1677.1	1672.4	1679.4	1721.0
40°	1898.8	1623.9	1224.3	1353.7	1265.9	1259.0	1485.3	1612.4	1596.2	1593.9	1651.6
42.5°	1818.0	1469.2	1104.2	1222.0	1196.6	1187.3	1406.8	1533.8	1503.8	1510.7	1584.7
45°	1730.2	1427.6	1011.8	1032.6	1125.0	1118.0	1321.3	1443.8	1423.0	1441.4	1517.7
47.5°	1642.4	1344.4	981.8	857.0	1048.7	1046.4	1226.6	1356.0	1344.4	1362.9	1443.8
50°	1522.3	1252.0	979.4	734.6	963.3	972.5	1113.4	1270.5	1270.5	1286.7	1372.1
52.5°	1367.5	1138.8	889.4	665.3	863.9	891.7	1014.1	1196.6	1201.2	1217.4	1293.6
55°	1226.6	1021.0	824.7	612.2	746.1	806.2	917.1	1120.4	1129.6	1145.8	1215.1
57.5°	1097.2	850.1	810.8	549.8	637.6	695.3	831.6	1046.4	1051.0	1064.9	1131.9
60°	958.6	614.5	743.8	482.8	542.8	586.7	753.1	958.6	974.8	984.1	1041.8
62.5°	801.6	445.8	674.5	436.6	496.6	505.9	688.4	875.5	896.3	903.2	937.9
65°	570.6	374.2	572.9	397.3	448.1	450.4	619.1	790.0	808.5	820.0	845.5
67.5°	385.8	304.9	436.6	360.4	411.2	413.5	552.1	690.7	716.1	725.3	741.5
70°	268.0	203.3	323.4	321.1	369.6	374.2	480.5	600.6	623.7	630.6	639.9
72.5°	196.4	164.0	268.0	288.8	325.7	330.3	406.6	499.0	522.1	529.0	533.6
75°	150.2	173.2	217.1	251.8	277.2	279.5	332.6	406.6	422.7	427.4	429.7
77.5°	120.1	161.7	159.4	203.3	226.4	221.8	261.0	314.2	328.0	328.0	328.0
80°	90.1	127.0	120.1	145.5	166.3	161.7	187.1	224.1	228.7	233.3	231.0
82.5°	67.0	80.9	80.9	92.4	110.9	106.3	124.7	145.5	145.5	145.5	150.2
85°	41.6	46.2	37.0	48.5	62.4	60.1	69.3	78.5	80.9	80.9	76.2
87.5°	25.4	20.8	11.6	18.5	27.7	27.7	32.3	34.6	32.3	32.3	32.3
90°	18.6	12.9	7.2	12.9	18.6	20.0	31.5	46.8	54.4	48.4	36.3
92.5°	126.0	77.3	28.6	77.3	126.0	138.2	194.3	269.0	306.5	268.6	192.9
95°	247.0	157.8	68.8	157.8	247.0	269.3	478.1	756.6	895.8	799.4	606.5
97.5°	276.1	197.5	118.9	197.5	276.1	295.8	644.0	1108.3	1340.5	1279.5	1157.6
100°	300.1	228.8	157.5	228.8	300.1	317.9	704.4	1219.6	1477.2	1481.7	1490.6
102.5°	323.5	257.0	190.5	257.0	323.5	340.1	732.0	1254.6	1516.0	1593.6	1748.9
105°	359.0	302.7	246.3	302.7	359.0	373.1	752.6	1258.6	1511.7	1685.8	2034.0
107.5°	408.6	356.1	303.6	356.1	408.6	421.8	756.4	1202.7	1425.7	1668.6	2154.2
110°	437.1	389.7	342.3	389.7	437.1	449.0	750.7	1153.0	1354.1	1625.6	2168.6



TEST NUMBER: P934721

CATALOG NUMBER: SQ4-FA-075U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	470.6	425.4	380.2	425.4	470.6	481.9	751.0	1109.6	1289.0	1566.8	2122.5
115°	520.9	479.2	437.5	479.2	520.9	531.3	757.8	1059.9	1210.9	1478.6	2013.9
117.5°	569.8	532.0	494.1	532.0	569.8	579.3	771.9	1028.7	1157.2	1398.7	1881.8
120°	598.3	562.7	527.1	562.7	598.3	607.2	783.4	1018.2	1135.7	1356.4	1797.8
122.5°	631.2	595.2	559.3	595.2	631.2	640.2	799.9	1012.8	1119.2	1317.9	1715.5
125°	674.3	641.5	608.7	641.5	674.3	682.5	822.1	1008.2	1101.3	1270.2	1607.8
127.5°	715.0	681.9	648.8	681.9	715.0	723.3	844.3	1005.6	1086.3	1231.3	1521.2
130°	741.5	705.9	670.3	705.9	741.5	750.4	860.5	1007.2	1080.5	1209.6	1467.7
132.5°	763.7	728.1	692.5	728.1	763.7	772.6	873.6	1008.2	1075.5	1191.0	1422.1
135°	790.3	757.8	725.4	757.8	790.3	798.4	888.0	1007.3	1067.0	1163.7	1357.2
137.5°	823.4	791.2	759.1	791.2	823.4	831.4	909.4	1013.5	1065.5	1147.3	1310.9
140°	846.2	816.5	786.9	816.5	846.2	853.5	922.5	1014.6	1060.5	1131.2	1272.5
142.5°	863.2	835.8	808.4	835.8	863.2	870.0	933.5	1018.2	1060.5	1122.6	1246.7
145°	889.1	865.2	841.4	865.2	889.1	895.1	947.9	1018.2	1053.4	1104.1	1205.7
147.5°	920.8	897.6	874.3	897.6	920.8	926.6	968.9	1025.2	1053.4	1093.3	1173.2
150°	937.9	916.8	895.8	916.8	937.9	943.1	979.8	1028.9	1053.4	1087.1	1154.5
152.5°	949.8	933.9	918.0	933.9	949.8	953.8	987.0	1031.3	1053.4	1082.2	1139.8
155°	974.5	962.7	951.0	962.7	974.5	977.4	1002.8	1036.5	1053.4	1076.3	1122.1
157.5°	998.2	986.8	975.3	986.8	998.2	1001.1	1018.5	1041.7	1053.4	1071.1	1106.8
160°	1009.6	1000.7	991.8	1000.7	1009.6	1011.9	1025.7	1044.1	1053.4	1068.6	1099.2
162.5°	1021.6	1014.9	1008.2	1014.9	1021.6	1023.3	1033.3	1046.7	1053.4	1066.2	1092.0
165°	1038.2	1032.2	1026.2	1032.2	1038.2	1039.7	1044.3	1050.4	1053.4	1062.6	1081.0
167.5°	1048.4	1045.4	1042.6	1045.4	1048.4	1049.0	1052.9	1058.0	1060.5	1066.5	1078.6
170°	1059.1	1056.2	1053.4	1056.2	1059.1	1059.8	1060.1	1060.4	1060.5	1066.5	1078.6
172.5°	1060.4	1059.7	1059.1	1059.7	1060.4	1060.5	1060.5	1060.5	1060.5	1065.3	1074.8
175°	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1064.8	1062.0	1060.5	1063.5	1069.6
177.5°	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1065.3	1063.1	1062.0	1064.4	1069.1
180°	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0



TEST NUMBER: P934721
 CATALOG NUMBER: SQ4-FA-075U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2356.3	2349.3	2358.6	2333.2	2358.6	2349.3	2356.3	2372.4	2358.6	2367.8	2377.1
5°	2067.5	2056.0	2018.9	1988.9	2018.9	2056.0	2067.5	2116.0	2139.1	2180.7	2236.2
7.5°	1848.0	1838.8	1829.5	1811.0	1829.5	1838.8	1848.0	1861.9	1885.0	1921.9	1963.5
10°	1799.5	1801.8	1815.7	1813.4	1815.7	1801.8	1799.5	1794.9	1787.9	1794.9	1820.3
12.5°	1924.2	1945.0	2021.2	2016.6	2021.2	1945.0	1924.2	1831.8	1769.5	1757.9	1762.5
15°	2067.5	2074.5	2090.6	2092.9	2090.6	2074.5	2067.5	2030.5	1843.4	1762.5	1737.1
17.5°	2081.4	2083.7	2095.2	2095.2	2095.2	2083.7	2081.4	2065.2	2002.8	1894.2	1751.0
20°	2069.8	2074.5	2097.6	2102.2	2097.6	2074.5	2069.8	2049.0	2014.3	1975.0	1866.5
22.5°	2065.2	2074.5	2092.9	2090.6	2092.9	2074.5	2065.2	2032.8	2002.8	1975.0	1931.2
25°	2042.1	2042.1	2044.4	2046.7	2044.4	2042.1	2042.1	2016.6	1956.6	1949.6	1924.2
27.5°	1993.5	1998.2	2012.0	2009.7	2012.0	1998.2	1993.5	1984.3	1919.6	1912.7	1894.2
30°	1949.6	1945.0	1933.5	1924.2	1933.5	1945.0	1949.6	1935.8	1871.1	1852.6	1857.2
32.5°	1875.7	1864.2	1852.6	1845.7	1852.6	1864.2	1875.7	1871.1	1822.6	1797.2	1801.8
35°	1787.9	1790.2	1787.9	1781.0	1787.9	1790.2	1787.9	1792.6	1762.5	1739.4	1737.1
37.5°	1725.6	1730.2	1727.9	1718.6	1727.9	1730.2	1725.6	1721.0	1679.4	1672.4	1677.1
40°	1660.9	1663.2	1660.9	1654.0	1660.9	1663.2	1660.9	1651.6	1593.9	1596.2	1612.4
42.5°	1598.5	1596.2	1589.3	1584.7	1589.3	1596.2	1598.5	1584.7	1510.7	1503.8	1533.8
45°	1526.9	1529.2	1515.4	1508.4	1515.4	1529.2	1526.9	1517.7	1441.4	1423.0	1443.8
47.5°	1455.3	1455.3	1443.8	1436.8	1443.8	1455.3	1455.3	1443.8	1362.9	1344.4	1356.0
50°	1379.1	1376.8	1360.6	1358.3	1360.6	1376.8	1379.1	1372.1	1286.7	1270.5	1270.5
52.5°	1291.3	1291.3	1293.6	1298.2	1293.6	1291.3	1291.3	1293.6	1217.4	1201.2	1196.6
55°	1215.1	1217.4	1233.5	1238.2	1233.5	1217.4	1215.1	1215.1	1145.8	1129.6	1120.4
57.5°	1136.5	1136.5	1148.1	1148.1	1148.1	1136.5	1136.5	1131.9	1064.9	1051.0	1046.4
60°	1046.4	1051.0	1060.3	1058.0	1060.3	1051.0	1046.4	1041.8	984.1	974.8	958.6
62.5°	951.7	956.3	958.6	954.0	958.6	956.3	951.7	937.9	903.2	896.3	875.5
65°	852.4	857.0	859.3	854.7	859.3	857.0	852.4	845.5	820.0	808.5	790.0
67.5°	750.8	748.4	746.1	755.4	746.1	748.4	750.8	741.5	725.3	716.1	690.7
70°	646.8	646.8	644.5	649.1	644.5	646.8	646.8	639.9	630.6	623.7	600.6
72.5°	535.9	533.6	542.8	535.9	542.8	533.6	535.9	533.6	529.0	522.1	499.0
75°	427.4	432.0	427.4	434.3	427.4	432.0	427.4	429.7	427.4	422.7	406.6
77.5°	325.7	330.3	325.7	325.7	325.7	330.3	325.7	328.0	328.0	328.0	314.2
80°	231.0	228.7	228.7	226.4	228.7	228.7	231.0	231.0	233.3	228.7	224.1
82.5°	147.8	145.5	145.5	150.2	145.5	145.5	147.8	150.2	145.5	145.5	145.5
85°	80.9	83.2	78.5	78.5	78.5	83.2	80.9	76.2	80.9	80.9	78.5
87.5°	30.0	27.7	27.7	27.7	27.7	27.7	30.0	32.3	32.3	32.3	34.6
90°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	36.3	48.4	54.4	46.8
92.5°	136.1	130.7	109.0	87.4	109.0	130.7	136.1	192.9	268.6	306.5	269.0
95°	461.8	445.4	379.9	314.4	379.9	445.4	461.8	606.5	799.4	895.8	756.6
97.5°	1066.2	1035.0	910.3	785.6	910.3	1035.0	1066.2	1157.6	1279.5	1340.5	1108.3
100°	1497.3	1460.2	1311.5	1162.9	1311.5	1460.2	1497.3	1490.6	1481.7	1477.2	1219.6
102.5°	1865.4	1833.6	1706.2	1579.0	1706.2	1833.6	1865.4	1748.9	1593.6	1516.0	1254.6
105°	2295.1	2278.0	2209.5	2141.1	2209.5	2278.0	2295.1	2034.0	1685.8	1511.7	1258.6
107.5°	2518.4	2522.6	2539.2	2555.7	2539.2	2522.6	2518.4	2154.2	1668.6	1425.7	1202.7
110°	2575.7	2593.5	2664.8	2736.1	2664.8	2593.5	2575.7	2168.6	1625.6	1354.1	1153.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2539.2	2566.6	2676.1	2785.6	2676.1	2566.6	2539.2	2122.5	1566.8	1289.0	1109.6
115°	2415.3	2453.3	2605.1	2756.9	2605.1	2453.3	2415.3	2013.9	1478.6	1210.9	1059.9
117.5°	2244.2	2286.3	2454.6	2623.0	2454.6	2286.3	2244.2	1881.8	1398.7	1157.2	1028.7
120°	2128.9	2169.8	2333.4	2497.0	2333.4	2169.8	2128.9	1797.8	1356.4	1135.7	1018.2
122.5°	2013.6	2054.0	2215.3	2376.7	2215.3	2054.0	2013.6	1715.5	1317.9	1119.2	1012.8
125°	1861.1	1898.3	2046.9	2195.5	2046.9	1898.3	1861.1	1607.8	1270.2	1101.3	1008.2
127.5°	1738.7	1770.0	1895.4	2020.8	1895.4	1770.0	1738.7	1521.2	1231.3	1086.3	1005.6
130°	1661.3	1690.2	1806.1	1922.0	1806.1	1690.2	1661.3	1467.7	1209.6	1080.5	1007.2
132.5°	1595.4	1621.4	1725.1	1828.9	1725.1	1621.4	1595.4	1422.1	1191.0	1075.5	1008.2
135°	1502.3	1524.7	1614.2	1703.5	1614.2	1524.7	1502.3	1357.2	1163.7	1067.0	1007.3
137.5°	1433.6	1451.9	1525.1	1598.3	1525.1	1451.9	1433.6	1310.9	1147.3	1065.5	1013.5
140°	1378.5	1395.5	1464.0	1532.4	1464.0	1395.5	1378.5	1272.5	1131.2	1060.5	1014.6
142.5°	1339.8	1354.5	1413.4	1472.2	1413.4	1354.5	1339.8	1246.7	1122.6	1060.5	1018.2
145°	1281.8	1293.0	1337.5	1382.0	1337.5	1293.0	1281.8	1205.7	1104.1	1053.4	1018.2
147.5°	1233.1	1242.3	1279.2	1316.2	1279.2	1242.3	1233.1	1173.2	1093.3	1053.4	1025.2
150°	1205.1	1212.6	1242.5	1272.5	1242.5	1212.6	1205.1	1154.5	1087.1	1053.4	1028.9
152.5°	1183.0	1188.6	1211.2	1233.8	1211.2	1188.6	1183.0	1139.8	1082.2	1053.4	1031.3
155°	1156.5	1160.2	1175.2	1190.1	1175.2	1160.2	1156.5	1122.1	1076.3	1053.4	1036.5
157.5°	1133.5	1136.1	1146.7	1157.2	1146.7	1136.1	1133.5	1106.8	1071.1	1053.4	1041.7
160°	1122.1	1123.7	1129.7	1135.7	1129.7	1123.7	1122.1	1099.2	1068.6	1053.4	1044.1
162.5°	1111.3	1112.8	1118.5	1124.3	1118.5	1112.8	1111.3	1092.0	1066.2	1053.4	1046.7
165°	1094.9	1096.4	1102.4	1108.5	1102.4	1096.4	1094.9	1081.0	1062.6	1053.4	1050.4
167.5°	1087.7	1088.3	1090.9	1093.5	1090.9	1088.3	1087.7	1078.6	1066.5	1060.5	1058.0
170°	1087.7	1087.7	1087.7	1087.7	1087.7	1087.7	1087.7	1078.6	1066.5	1060.5	1060.4
172.5°	1082.0	1081.5	1079.2	1077.0	1079.2	1081.5	1082.0	1074.8	1065.3	1060.5	1060.5
175°	1074.2	1074.2	1074.2	1074.2	1074.2	1074.2	1074.2	1069.6	1063.5	1060.5	1062.0
177.5°	1072.7	1072.1	1069.5	1067.0	1069.5	1072.1	1072.7	1069.1	1064.4	1062.0	1063.1
180°	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0	1067.0



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	2441.7	2441.7	2441.7	2441.7	2441.7
2.5°	2411.7	2423.3	2430.2	2439.4	2462.5
5°	2319.3	2363.2	2377.1	2411.7	2453.3
7.5°	2116.0	2250.0	2287.0	2370.1	2434.8
10°	1919.6	2053.7	2118.3	2314.7	2411.7
12.5°	1820.3	1898.8	1942.7	2217.7	2379.4
15°	1757.9	1813.4	1845.7	2088.3	2342.4
17.5°	1709.4	1748.7	1771.8	1961.2	2291.6
20°	1679.4	1697.8	1718.6	1868.8	2233.8
22.5°	1658.6	1647.0	1663.2	1804.1	2155.3
25°	1644.7	1600.8	1619.3	1753.3	2062.9
27.5°	1656.3	1559.2	1566.2	1707.1	1965.8
30°	1658.6	1508.4	1510.7	1658.6	1857.2
32.5°	1642.4	1455.3	1457.6	1598.5	1734.8
35°	1603.1	1392.9	1390.6	1529.2	1568.5
37.5°	1550.0	1325.9	1325.9	1453.0	1386.0
40°	1485.3	1259.0	1265.9	1353.7	1224.3
42.5°	1406.8	1187.3	1196.6	1222.0	1104.2
45°	1321.3	1118.0	1125.0	1032.6	1011.8
47.5°	1226.6	1046.4	1048.7	857.0	981.8
50°	1113.4	972.5	963.3	734.6	979.4
52.5°	1014.1	891.7	863.9	665.3	889.4
55°	917.1	806.2	746.1	612.2	824.7
57.5°	831.6	695.3	637.6	549.8	810.8
60°	753.1	586.7	542.8	482.8	743.8
62.5°	688.4	505.9	496.6	436.6	674.5
65°	619.1	450.4	448.1	397.3	572.9
67.5°	552.1	413.5	411.2	360.4	436.6
70°	480.5	374.2	369.6	321.1	323.4
72.5°	406.6	330.3	325.7	288.8	268.0
75°	332.6	279.5	277.2	251.8	217.1
77.5°	261.0	221.8	226.4	203.3	159.4
80°	187.1	161.7	166.3	145.5	120.1
82.5°	124.7	106.3	110.9	92.4	80.9
85°	69.3	60.1	62.4	48.5	37.0
87.5°	32.3	27.7	27.7	18.5	11.6
90°	31.5	20.0	18.6	12.9	7.2
92.5°	194.3	138.2	126.0	77.3	28.6
95°	478.1	269.3	247.0	157.8	68.8
97.5°	644.0	295.8	276.1	197.5	118.9
100°	704.4	317.9	300.1	228.8	157.5
102.5°	732.0	340.1	323.5	257.0	190.5
105°	752.6	373.1	359.0	302.7	246.3
107.5°	756.4	421.8	408.6	356.1	303.6
110°	750.7	449.0	437.1	389.7	342.3



TEST NUMBER: P934721

CATALOG NUMBER: SQ4-FA-075U-075D-927-1D-UNV-STD-W-12

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	751.0	481.9	470.6	425.4	380.2
115°	757.8	531.3	520.9	479.2	437.5
117.5°	771.9	579.3	569.8	532.0	494.1
120°	783.4	607.2	598.3	562.7	527.1
122.5°	799.9	640.2	631.2	595.2	559.3
125°	822.1	682.5	674.3	641.5	608.7
127.5°	844.3	723.3	715.0	681.9	648.8
130°	860.5	750.4	741.5	705.9	670.3
132.5°	873.6	772.6	763.7	728.1	692.5
135°	888.0	798.4	790.3	757.8	725.4
137.5°	909.4	831.4	823.4	791.2	759.1
140°	922.5	853.5	846.2	816.5	786.9
142.5°	933.5	870.0	863.2	835.8	808.4
145°	947.9	895.1	889.1	865.2	841.4
147.5°	968.9	926.6	920.8	897.6	874.3
150°	979.8	943.1	937.9	916.8	895.8
152.5°	987.0	953.8	949.8	933.9	918.0
155°	1002.8	977.4	974.5	962.7	951.0
157.5°	1018.5	1001.1	998.2	986.8	975.3
160°	1025.7	1011.9	1009.6	1000.7	991.8
162.5°	1033.3	1023.3	1021.6	1014.9	1008.2
165°	1044.3	1039.7	1038.2	1032.2	1026.2
167.5°	1052.9	1049.0	1048.4	1045.4	1042.6
170°	1060.1	1059.8	1059.1	1056.2	1053.4
172.5°	1060.5	1060.5	1060.4	1059.7	1059.1
175°	1064.8	1067.0	1067.0	1067.0	1067.0
177.5°	1065.3	1067.0	1067.0	1067.0	1067.0
180°	1067.0	1067.0	1067.0	1067.0	1067.0



TEST NUMBER: P934721
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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	11.63	12.47	12.61	13.46	14.76	14.48	15.32	15.46	16.31	17.61
	3H	12.11	12.86	13.09	13.86	15.18	15.83	16.59	16.82	17.58	18.91
	4H	12.30	13.01	13.30	14.01	15.34	16.28	16.99	17.28	18.00	19.33
	6H	12.41	13.07	13.42	14.08	15.42	16.57	17.23	17.58	18.23	19.58
	8H	12.41	13.04	13.43	14.06	15.40	16.65	17.27	17.66	18.30	19.64
	12H	12.38	12.98	13.41	14.00	15.36	16.69	17.28	17.71	18.30	19.66
4H	2H	12.66	13.38	13.67	14.38	15.71	14.89	15.60	15.89	16.60	17.94
	3H	13.69	14.29	14.71	15.32	16.66	16.40	16.99	17.41	18.02	19.37
	4H	13.97	14.51	14.99	15.53	16.90	16.93	17.47	17.95	18.50	19.87
	6H	14.09	14.56	15.12	15.60	16.97	17.30	17.77	18.33	18.81	20.18
	8H	14.09	14.53	15.13	15.57	16.95	17.41	17.85	18.44	18.88	20.27
	12H	14.06	14.46	15.11	15.51	16.90	17.47	17.86	18.52	18.92	20.30
8H	4H	14.42	14.86	15.46	15.90	17.28	17.05	17.49	18.09	18.53	19.91
	6H	14.68	15.04	15.74	16.12	17.50	17.49	17.85	18.55	18.94	20.31
	8H	14.72	15.04	15.79	16.11	17.50	17.65	17.97	18.71	19.03	20.43
	12H	14.71	14.99	15.78	16.05	17.49	17.75	18.03	18.82	19.09	20.53
12H	4H	14.43	14.82	15.48	15.88	17.26	17.02	17.41	18.07	18.46	19.85
	6H	14.74	15.06	15.81	16.13	17.52	17.49	17.81	18.56	18.87	20.27
	8H	14.81	15.09	15.88	16.15	17.59	17.65	17.93	18.72	18.99	20.43