

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: P935975

Luminaire Tested: SQ4-FA-150U-075D-940-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935975
REPORT IS A COMBINATION OF REPORTS P933775 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-150U-075D-940-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

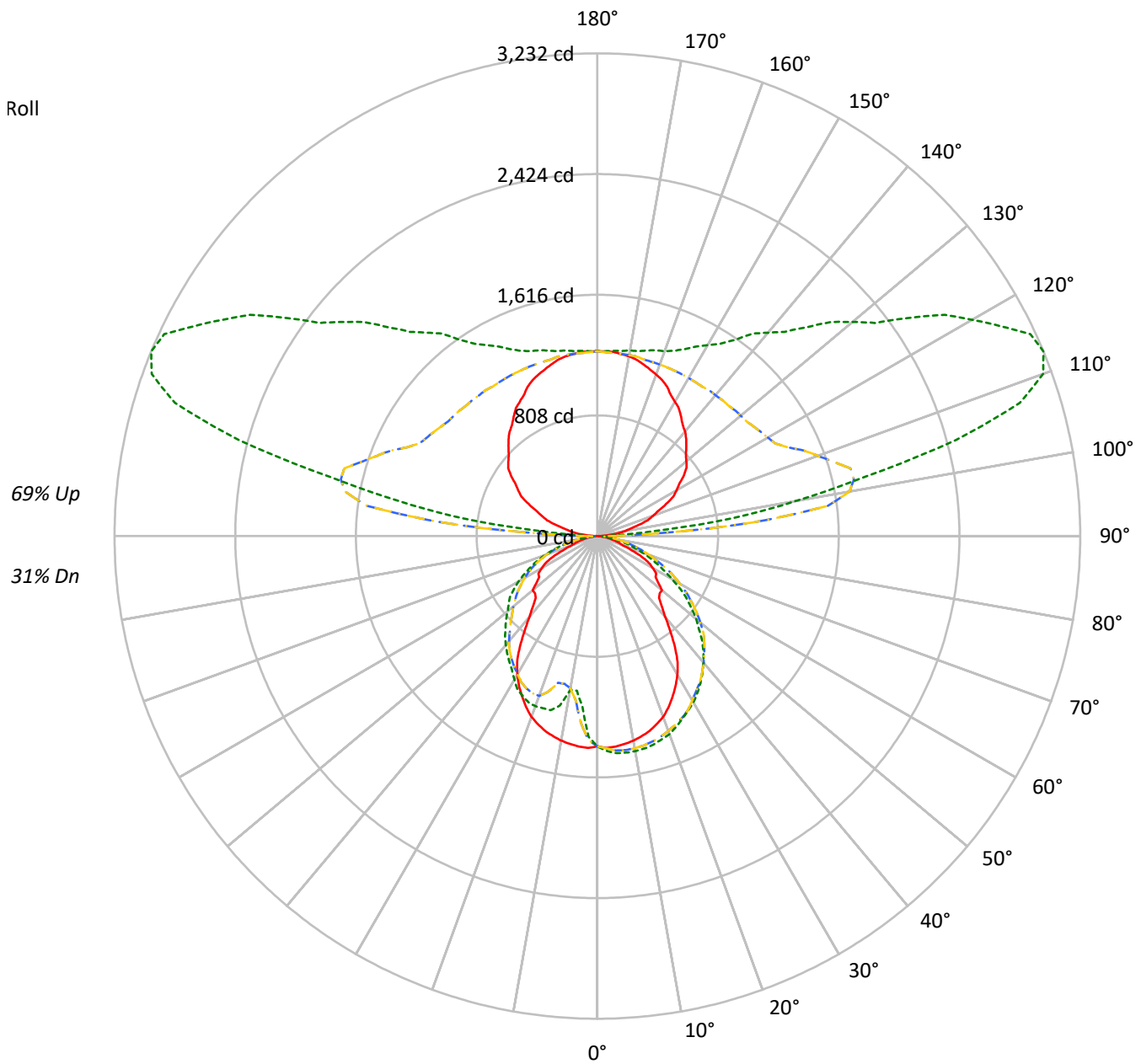
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11679.8 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 6' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 95.4
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	50	30	10	0		
RCR																										
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31					31			
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	26					26			
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	22					22			
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	19					19			
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16					16			
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	14					14			
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	12					12			
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	11					11			
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	10					10			
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	9					9			
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	8					8			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	8709	8709	8709	8709
5°	8772	8792	8772	6913
10°	8710	8660	8710	6192
15°	8611	8473	8611	7075
20°	8428	8251	8428	7090
25°	8057	7926	8057	6940
30°	7577	7657	7577	6610
35°	6751	7317	6751	6247
40°	5623	6916	5623	5973
45°	5020	6447	5020	5658
50°	5330	5887	5330	5342
55°	5009	5285	5009	5160
60°	5158	4488	5158	4726
65°	4668	3710	4668	4147
70°	3226	2956	3226	3476
75°	2817	2185	2817	2617
80°	2256	1445	2256	1573
85°	1270	766	1270	651

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 7700 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.1	1.1
10°-20°	360.8	3.1
20°-30°	557.8	4.8
30°-40°	665.9	5.7
40°-50°	669.8	5.7
50°-60°	582.8	5.0
60°-70°	413.2	3.5
70°-80°	218.6	1.9
80°-90°	59.2	0.5
90°-100°	603.4	5.2
100°-110°	1586.4	13.6
110°-120°	1644.9	14.1
120°-130°	1319.4	11.3
130°-140°	1035.3	8.9
140°-150°	794.6	6.8
150°-160°	572.2	4.9
160°-170°	350.1	3.0
170°-180°	118.3	1.0
0°-30°	1045.7	9.0
0°-40°	1711.6	14.7
0°-60°	2964.2	25.4
0°-90°	3655.2	31.3
90°-120°	3834.7	32.8
90°-150°	6983.9	59.8
90°-180°	8025.0	68.7
0°-180°	11679.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1408	1408	1408	1408	1408	
5°	1415	1458	1415	1147	1415	134
15°	1351	1445	1351	1207	1351	380
25°	1190	1348	1190	1180	1190	546
35°	904	1203	904	1027	904	560
45°	583	991	583	870	583	467
55°	476	731	476	714	476	437
65°	330	441	330	493	330	316
75°	125	209	125	250	125	132
85°	21	53	21	45	21	29
90°	8	32	8	32	8	8
95°	80	365	80	365	80	89
105°	286	2484	286	2484	286	303
115°	508	3198	508	3198	508	501
125°	706	2547	706	2547	706	627
135°	842	1976	842	1976	842	651
145°	976	1603	976	1603	976	612
155°	1103	1381	1103	1381	1103	507
165°	1190	1286	1190	1286	1190	336
175°	1238	1246	1238	1246	1238	118
180°	1238	1238	1238	1238	1238	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1419.9	1419.9	1427.9	1430.6	1430.6	1426.6	1422.6	1426.6	1438.6	1442.6	1441.2
5°	1414.6	1425.2	1439.9	1442.6	1445.2	1443.9	1441.2	1443.9	1457.2	1459.9	1461.2
7.5°	1403.9	1423.9	1442.6	1446.6	1450.5	1446.6	1445.2	1447.9	1461.2	1463.9	1463.9
10°	1390.6	1418.6	1439.9	1442.6	1446.6	1442.6	1442.6	1447.9	1461.2	1463.9	1465.2
12.5°	1372.0	1410.6	1430.6	1433.2	1438.6	1437.2	1435.9	1441.2	1454.5	1457.2	1457.2
15°	1350.6	1395.9	1414.6	1417.2	1426.6	1423.9	1423.9	1429.2	1443.9	1447.9	1446.6
17.5°	1321.3	1377.3	1398.6	1402.6	1409.3	1407.9	1409.3	1414.6	1427.9	1430.6	1431.9
20°	1288.0	1352.0	1377.3	1381.3	1387.9	1387.9	1387.9	1394.6	1407.9	1413.3	1413.3
22.5°	1242.8	1325.3	1352.0	1354.6	1362.6	1362.6	1365.3	1374.6	1386.6	1387.9	1387.9
25°	1189.5	1296.0	1318.7	1326.7	1334.7	1338.7	1342.7	1348.0	1352.0	1350.6	1352.0
27.5°	1133.5	1258.7	1288.0	1293.4	1304.0	1308.0	1313.4	1314.7	1316.0	1320.0	1317.3
30°	1070.9	1206.8	1250.7	1256.1	1273.4	1276.1	1270.7	1273.4	1280.1	1282.7	1285.4
32.5°	1000.3	1129.5	1212.1	1224.1	1240.1	1232.1	1230.8	1234.8	1245.4	1245.4	1248.1
35°	904.4	1069.6	1176.2	1186.8	1198.8	1189.5	1194.8	1196.1	1202.8	1206.8	1205.5
37.5°	799.2	1017.6	1138.9	1146.9	1156.2	1144.2	1152.2	1156.2	1161.5	1158.8	1158.8
40°	706.0	936.4	1094.9	1100.2	1108.2	1098.9	1106.9	1109.6	1112.2	1109.6	1108.2
42.5°	636.7	847.2	1048.3	1054.9	1049.6	1056.3	1058.9	1064.3	1060.3	1054.9	1054.9
45°	583.4	823.2	997.7	1005.7	997.7	1008.3	1012.3	1012.3	1000.3	997.7	996.3
47.5°	566.1	775.2	947.1	947.1	943.1	956.4	963.0	953.7	941.7	937.7	937.7
50°	564.8	721.9	877.8	872.5	891.1	907.1	900.4	891.1	881.8	867.1	867.1
52.5°	512.8	656.7	788.5	808.5	837.8	847.2	836.5	827.2	811.2	804.5	799.2
55°	475.5	588.7	707.3	747.3	777.9	789.9	769.9	760.6	736.6	732.6	729.9
57.5°	467.5	490.2	632.7	683.3	720.6	719.3	707.3	690.0	670.0	666.0	664.7
60°	428.9	354.3	552.8	612.7	651.3	647.4	636.7	620.7	602.1	599.4	596.7
62.5°	388.9	257.1	462.2	530.1	584.7	583.4	574.1	550.1	536.8	530.1	524.8
65°	330.3	215.8	329.0	440.9	519.5	522.1	502.2	484.8	470.2	462.2	460.9
67.5°	251.7	175.8	222.4	367.6	456.9	454.2	428.9	420.9	402.3	398.3	390.3
70°	186.5	117.2	154.5	298.4	395.6	388.9	369.0	359.6	342.3	333.0	327.7
72.5°	154.5	94.6	113.2	231.8	333.0	325.0	307.7	297.0	282.4	274.4	269.1
75°	125.2	99.9	86.6	171.8	270.4	265.1	249.1	238.4	226.4	215.8	217.1
77.5°	91.9	93.2	69.3	126.5	214.5	206.5	197.1	183.8	178.5	167.8	167.8
80°	69.3	73.3	51.9	86.6	154.5	154.5	146.5	137.2	127.9	122.5	122.5
82.5°	46.6	46.6	38.6	54.6	105.2	101.2	95.9	93.2	87.9	85.2	85.2
85°	21.3	26.6	24.0	33.3	57.3	59.9	59.9	57.3	55.9	53.3	54.6
87.5°	6.7	12.0	14.7	18.6	29.3	30.6	32.0	32.0	32.0	33.3	33.3
90°	8.3	15.0	21.6	23.3	36.6	54.3	63.1	56.1	42.1	31.6	31.6
92.5°	33.2	89.7	146.3	160.4	225.5	312.2	355.6	311.6	223.8	157.9	151.6
95°	79.7	183.1	286.6	312.4	554.7	877.8	1039.3	927.4	703.7	535.8	516.8
97.5°	137.9	229.1	320.3	343.1	747.2	1285.9	1555.2	1484.6	1343.1	1237.1	1200.8
100°	182.8	265.5	348.2	368.9	817.2	1415.0	1713.9	1719.1	1729.5	1737.2	1694.1
102.5°	221.0	298.2	375.4	394.6	849.4	1455.6	1758.8	1848.8	2029.0	2164.1	2127.2
105°	285.8	351.1	416.5	432.8	873.2	1460.2	1753.8	1955.7	2359.7	2662.7	2642.8
107.5°	352.3	413.2	474.1	489.3	877.5	1395.2	1654.1	1935.8	2499.3	2921.9	2926.7
110°	397.1	452.2	507.1	520.9	871.0	1337.6	1571.0	1885.9	2515.9	2988.3	3009.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	441.2	493.6	545.9	559.1	871.2	1287.3	1495.4	1817.7	2462.4	2945.9	2977.7
115°	507.6	556.0	604.4	616.4	879.2	1229.6	1404.8	1715.3	2336.4	2802.2	2846.2
117.5°	573.2	617.2	661.1	672.1	895.6	1193.6	1342.6	1622.8	2183.2	2603.6	2652.5
120°	611.5	652.9	694.2	704.5	908.9	1181.4	1317.6	1573.7	2085.8	2469.9	2517.3
122.5°	648.9	690.6	732.3	742.7	928.0	1175.0	1298.5	1529.1	1990.3	2336.2	2382.9
125°	706.1	744.1	782.2	791.7	953.7	1169.8	1277.7	1473.6	1865.3	2159.2	2202.2
127.5°	752.7	791.0	829.5	839.1	979.5	1166.7	1260.2	1428.4	1764.8	2017.1	2053.5
130°	777.6	819.0	860.4	870.7	998.4	1168.6	1253.7	1403.4	1702.8	1927.4	1961.0
132.5°	803.4	844.8	886.1	896.4	1013.6	1169.8	1247.8	1381.8	1649.9	1850.9	1881.1
135°	841.6	879.2	916.9	926.4	1030.2	1168.6	1237.9	1350.1	1574.6	1743.0	1768.9
137.5°	880.6	917.9	955.2	964.5	1055.1	1175.8	1236.2	1331.1	1520.9	1663.2	1684.4
140°	913.0	947.4	981.7	990.3	1070.3	1177.0	1230.4	1312.4	1476.3	1599.3	1619.1
142.5°	937.9	969.7	1001.5	1009.4	1083.1	1181.3	1230.4	1302.4	1446.4	1554.4	1571.4
145°	976.2	1003.9	1031.6	1038.5	1099.7	1181.3	1222.1	1280.9	1398.8	1487.1	1500.0
147.5°	1014.4	1041.4	1068.3	1075.0	1124.0	1189.4	1222.1	1268.4	1361.0	1430.6	1441.3
150°	1039.3	1063.6	1088.0	1094.1	1136.7	1193.6	1222.1	1261.2	1339.5	1398.2	1406.9
152.5°	1065.1	1083.5	1102.0	1106.6	1145.1	1196.4	1222.1	1255.5	1322.3	1372.4	1379.0
155°	1103.3	1116.9	1130.6	1134.0	1163.4	1202.5	1222.1	1248.6	1301.8	1341.7	1346.0
157.5°	1131.5	1144.8	1158.1	1161.4	1181.7	1208.6	1222.1	1242.8	1284.1	1315.1	1318.1
160°	1150.7	1161.0	1171.3	1173.8	1189.9	1211.3	1222.1	1239.8	1275.3	1301.8	1303.6
162.5°	1169.8	1177.5	1185.2	1187.2	1198.8	1214.3	1222.1	1237.0	1266.9	1289.4	1291.1
165°	1190.5	1197.6	1204.5	1206.3	1211.5	1218.5	1222.1	1232.8	1254.2	1270.3	1272.1
167.5°	1209.6	1212.9	1216.3	1217.1	1221.5	1227.5	1230.4	1237.4	1251.5	1261.9	1262.6
170°	1222.1	1225.4	1228.7	1229.5	1229.8	1230.2	1230.4	1237.4	1251.5	1261.9	1261.9
172.5°	1228.7	1229.4	1230.2	1230.4	1230.4	1230.4	1230.4	1235.9	1247.0	1255.3	1254.7
175°	1237.9	1237.9	1237.9	1237.9	1235.4	1232.1	1230.4	1233.9	1240.9	1246.1	1246.1
177.5°	1237.9	1237.9	1237.9	1237.9	1235.9	1233.3	1232.0	1234.8	1240.4	1244.5	1243.8
180°	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1443.9	1439.9	1443.9	1441.2	1442.6	1438.6	1426.6	1422.6	1426.6	1430.6	1430.6
5°	1461.2	1458.5	1461.2	1461.2	1459.9	1457.2	1443.9	1441.2	1443.9	1445.2	1442.6
7.5°	1466.5	1462.5	1466.5	1463.9	1463.9	1461.2	1447.9	1445.2	1446.6	1450.5	1446.6
10°	1466.5	1462.5	1466.5	1465.2	1463.9	1461.2	1447.9	1442.6	1442.6	1446.6	1442.6
12.5°	1459.9	1457.2	1459.9	1457.2	1457.2	1454.5	1441.2	1435.9	1437.2	1438.6	1433.2
15°	1449.2	1445.2	1449.2	1446.6	1447.9	1443.9	1429.2	1423.9	1423.9	1426.6	1417.2
17.5°	1433.2	1427.9	1433.2	1431.9	1430.6	1427.9	1414.6	1409.3	1407.9	1409.3	1402.6
20°	1414.6	1410.6	1414.6	1413.3	1413.3	1407.9	1394.6	1387.9	1387.9	1387.9	1381.3
22.5°	1385.3	1381.3	1385.3	1387.9	1387.9	1386.6	1374.6	1365.3	1362.6	1362.6	1354.6
25°	1352.0	1348.0	1352.0	1352.0	1350.6	1352.0	1348.0	1342.7	1338.7	1334.7	1326.7
27.5°	1320.0	1317.3	1320.0	1317.3	1320.0	1316.0	1314.7	1313.4	1308.0	1304.0	1293.4
30°	1288.0	1285.4	1288.0	1285.4	1282.7	1280.1	1273.4	1270.7	1276.1	1273.4	1256.1
32.5°	1248.1	1245.4	1248.1	1248.1	1245.4	1245.4	1234.8	1230.8	1232.1	1240.1	1224.1
35°	1206.8	1202.8	1206.8	1205.5	1206.8	1202.8	1196.1	1194.8	1189.5	1198.8	1186.8
37.5°	1158.8	1154.8	1158.8	1158.8	1158.8	1161.5	1156.2	1152.2	1144.2	1156.2	1146.9
40°	1109.6	1104.2	1109.6	1108.2	1109.6	1112.2	1109.6	1106.9	1098.9	1108.2	1100.2
42.5°	1053.6	1052.3	1053.6	1054.9	1054.9	1060.3	1064.3	1058.9	1056.3	1049.6	1054.9
45°	993.7	991.0	993.7	996.3	997.7	1000.3	1012.3	1012.3	1008.3	997.7	1005.7
47.5°	929.7	923.1	929.7	937.7	937.7	941.7	953.7	963.0	956.4	943.1	947.1
50°	861.8	863.1	861.8	867.1	867.1	881.8	891.1	900.4	907.1	891.1	872.5
52.5°	795.2	793.9	795.2	799.2	804.5	811.2	827.2	836.5	847.2	837.8	808.5
55°	728.6	731.3	728.6	729.9	732.6	736.6	760.6	769.9	789.9	777.9	747.3
57.5°	662.0	658.0	662.0	664.7	666.0	670.0	690.0	707.3	719.3	720.6	683.3
60°	584.7	579.4	584.7	596.7	599.4	602.1	620.7	636.7	647.4	651.3	612.7
62.5°	516.8	507.5	516.8	524.8	530.1	536.8	550.1	574.1	583.4	584.7	530.1
65°	444.9	440.9	444.9	460.9	462.2	470.2	484.8	502.2	522.1	519.5	440.9
67.5°	379.6	379.6	379.6	390.3	398.3	402.3	420.9	428.9	454.2	456.9	367.6
70°	319.7	318.3	319.7	327.7	333.0	342.3	359.6	369.0	388.9	395.6	298.4
72.5°	262.4	261.1	262.4	269.1	274.4	282.4	297.0	307.7	325.0	333.0	231.8
75°	211.8	209.1	211.8	217.1	215.8	226.4	238.4	249.1	265.1	270.4	171.8
77.5°	162.5	162.5	162.5	167.8	167.8	178.5	183.8	197.1	206.5	214.5	126.5
80°	121.2	119.9	121.2	122.5	122.5	127.9	137.2	146.5	154.5	154.5	86.6
82.5°	85.2	82.6	85.2	85.2	85.2	87.9	93.2	95.9	101.2	105.2	54.6
85°	53.3	53.3	53.3	54.6	53.3	55.9	57.3	59.9	59.9	57.3	33.3
87.5°	34.6	33.3	34.6	33.3	33.3	32.0	32.0	32.0	30.6	29.3	18.6
90°	31.6	31.6	31.6	31.6	31.6	42.1	56.1	63.1	54.3	36.6	23.3
92.5°	126.5	101.3	126.5	151.6	157.9	223.8	311.6	355.6	312.2	225.5	160.4
95°	440.7	364.7	440.7	516.8	535.8	703.7	927.4	1039.3	877.8	554.7	312.4
97.5°	1056.1	911.4	1056.1	1200.8	1237.1	1343.1	1484.6	1555.2	1285.9	747.2	343.1
100°	1521.7	1349.2	1521.7	1694.1	1737.2	1729.5	1719.1	1713.9	1415.0	817.2	368.9
102.5°	1979.5	1831.9	1979.5	2127.2	2164.1	2029.0	1848.8	1758.8	1455.6	849.4	394.6
105°	2563.4	2484.0	2563.4	2642.8	2662.7	2359.7	1955.7	1753.8	1460.2	873.2	432.8
107.5°	2945.9	2965.0	2945.9	2926.7	2921.9	2499.3	1935.8	1654.1	1395.2	877.5	489.3
110°	3091.7	3174.4	3091.7	3009.0	2988.3	2515.9	1885.9	1571.0	1337.6	871.0	520.9



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3104.7	3231.7	3104.7	2977.7	2945.9	2462.4	1817.7	1495.4	1287.3	871.2	559.1
115°	3022.3	3198.5	3022.3	2846.2	2802.2	2336.4	1715.3	1404.8	1229.6	879.2	616.4
117.5°	2847.8	3043.2	2847.8	2652.5	2603.6	2183.2	1622.8	1342.6	1193.6	895.6	672.1
120°	2707.2	2896.9	2707.2	2517.3	2469.9	2085.8	1573.7	1317.6	1181.4	908.9	704.5
122.5°	2570.1	2757.3	2570.1	2382.9	2336.2	1990.3	1529.1	1298.5	1175.0	928.0	742.7
125°	2374.7	2547.1	2374.7	2202.2	2159.2	1865.3	1473.6	1277.7	1169.8	953.7	791.7
127.5°	2199.0	2344.5	2199.0	2053.5	2017.1	1764.8	1428.4	1260.2	1166.7	979.5	839.1
130°	2095.4	2229.8	2095.4	1961.0	1927.4	1702.8	1403.4	1253.7	1168.6	998.4	870.7
132.5°	2001.4	2121.8	2001.4	1881.1	1850.9	1649.9	1381.8	1247.8	1169.8	1013.6	896.4
135°	1872.7	1976.4	1872.7	1768.9	1743.0	1574.6	1350.1	1237.9	1168.6	1030.2	926.4
137.5°	1769.4	1854.3	1769.4	1684.4	1663.2	1520.9	1331.1	1236.2	1175.8	1055.1	964.5
140°	1698.5	1777.9	1698.5	1619.1	1599.3	1476.3	1312.4	1230.4	1177.0	1070.3	990.3
142.5°	1639.8	1708.1	1639.8	1571.4	1554.4	1446.4	1302.4	1230.4	1181.3	1083.1	1009.4
145°	1551.7	1603.4	1551.7	1500.0	1487.1	1398.8	1280.9	1222.1	1181.3	1099.7	1038.5
147.5°	1484.1	1527.0	1484.1	1441.3	1430.6	1361.0	1268.4	1222.1	1189.4	1124.0	1075.0
150°	1441.6	1476.3	1441.6	1406.9	1398.2	1339.5	1261.2	1222.1	1193.6	1136.7	1094.1
152.5°	1405.2	1431.5	1405.2	1379.0	1372.4	1322.3	1255.5	1222.1	1196.4	1145.1	1106.6
155°	1363.3	1380.8	1363.3	1346.0	1341.7	1301.8	1248.6	1222.1	1202.5	1163.4	1134.0
157.5°	1330.4	1342.6	1330.4	1318.1	1315.1	1284.1	1242.8	1222.1	1208.6	1181.7	1161.4
160°	1310.6	1317.6	1310.6	1303.6	1301.8	1275.3	1239.8	1222.1	1211.3	1189.9	1173.8
162.5°	1297.6	1304.3	1297.6	1291.1	1289.4	1266.9	1237.0	1222.1	1214.3	1198.8	1187.2
165°	1279.0	1286.0	1279.0	1272.1	1270.3	1254.2	1232.8	1222.1	1218.5	1211.5	1206.3
167.5°	1265.7	1268.6	1265.7	1262.6	1261.9	1251.5	1237.4	1230.4	1227.5	1221.5	1217.1
170°	1261.9	1261.9	1261.9	1261.9	1261.9	1251.5	1237.4	1230.4	1230.2	1229.8	1229.5
172.5°	1252.1	1249.5	1252.1	1254.7	1255.3	1247.0	1235.9	1230.4	1230.4	1230.4	1230.4
175°	1246.1	1246.1	1246.1	1246.1	1246.1	1240.9	1233.9	1230.4	1232.1	1235.4	1237.9
177.5°	1240.8	1237.9	1240.8	1243.8	1244.5	1240.4	1234.8	1232.0	1233.3	1235.9	1237.9
180°	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1427.9	1419.9	1419.9	1406.6	1401.3	1397.3	1390.6	1370.6	1365.3	1360.0	1368.0
5°	1439.9	1425.2	1414.6	1390.6	1370.6	1362.6	1337.3	1289.4	1257.4	1233.4	1220.1
7.5°	1442.6	1423.9	1403.9	1366.6	1318.7	1297.4	1220.1	1132.2	1108.2	1086.9	1073.6
10°	1439.9	1418.6	1390.6	1334.7	1221.4	1184.1	1106.9	1049.6	1035.0	1031.0	1035.0
12.5°	1430.6	1410.6	1372.0	1278.7	1120.2	1094.9	1049.6	1016.3	1013.7	1020.3	1056.3
15°	1414.6	1395.9	1350.6	1204.1	1064.3	1045.6	1013.7	1001.7	1016.3	1062.9	1170.8
17.5°	1398.6	1377.3	1321.3	1130.9	1021.6	1008.3	985.7	1009.7	1092.2	1154.8	1190.8
20°	1377.3	1352.0	1288.0	1077.6	991.0	979.0	968.4	1076.3	1138.9	1161.5	1181.5
22.5°	1352.0	1325.3	1242.8	1040.3	959.0	949.7	956.4	1113.6	1138.9	1154.8	1172.2
25°	1318.7	1296.0	1189.5	1011.0	933.7	923.1	948.4	1109.6	1124.2	1128.2	1162.8
27.5°	1288.0	1258.7	1133.5	984.3	903.1	899.1	955.0	1092.2	1102.9	1106.9	1144.2
30°	1250.7	1206.8	1070.9	956.4	871.1	869.8	956.4	1070.9	1068.3	1078.9	1116.2
32.5°	1212.1	1129.5	1000.3	921.7	840.5	839.2	947.1	1039.0	1036.3	1050.9	1078.9
35°	1176.2	1069.6	904.4	881.8	801.9	803.2	924.4	1001.7	1003.0	1016.3	1033.6
37.5°	1138.9	1017.6	799.2	837.8	764.6	764.6	893.8	967.0	964.4	968.4	992.3
40°	1094.9	936.4	706.0	780.6	729.9	725.9	856.5	929.7	920.4	919.1	952.4
42.5°	1048.3	847.2	636.7	704.6	690.0	684.6	811.2	884.4	867.1	871.1	913.8
45°	997.7	823.2	583.4	595.4	648.7	644.7	761.9	832.5	820.5	831.2	875.1
47.5°	947.1	775.2	566.1	494.2	604.7	603.4	707.3	781.9	775.2	785.9	832.5
50°	877.8	721.9	564.8	423.6	555.4	560.8	642.0	732.6	732.6	741.9	791.2
52.5°	788.5	656.7	512.8	383.6	498.2	514.2	584.7	690.0	692.6	702.0	745.9
55°	707.3	588.7	475.5	353.0	430.2	464.9	528.8	646.0	651.3	660.7	700.6
57.5°	632.7	490.2	467.5	317.0	367.6	400.9	479.5	603.4	606.1	614.1	652.7
60°	552.8	354.3	428.9	278.4	313.0	338.3	434.2	552.8	562.1	567.4	600.7
62.5°	462.2	257.1	388.9	251.7	286.4	291.7	396.9	504.8	516.8	520.8	540.8
65°	329.0	215.8	330.3	229.1	258.4	259.7	357.0	455.5	466.2	472.9	487.5
67.5°	222.4	175.8	251.7	207.8	237.1	238.4	318.3	398.3	412.9	418.2	427.6
70°	154.5	117.2	186.5	185.1	213.1	215.8	277.1	346.3	359.6	363.6	369.0
72.5°	113.2	94.6	154.5	166.5	187.8	190.5	234.4	287.7	301.0	305.0	307.7
75°	86.6	99.9	125.2	145.2	159.8	161.2	191.8	234.4	243.8	246.4	247.8
77.5°	69.3	93.2	91.9	117.2	130.5	127.9	150.5	181.2	189.1	189.1	189.1
80°	51.9	73.3	69.3	83.9	95.9	93.2	107.9	129.2	131.9	134.5	133.2
82.5°	38.6	46.6	46.6	53.3	63.9	61.3	71.9	83.9	83.9	83.9	86.6
85°	24.0	26.6	21.3	28.0	36.0	34.6	40.0	45.3	46.6	46.6	44.0
87.5°	14.7	12.0	6.7	10.7	16.0	16.0	18.6	20.0	18.6	18.6	18.6
90°	21.6	15.0	8.3	15.0	21.6	23.3	36.6	54.3	63.1	56.1	42.1
92.5°	146.3	89.7	33.2	89.7	146.3	160.4	225.5	312.2	355.6	311.6	223.8
95°	286.6	183.1	79.7	183.1	286.6	312.4	554.7	877.8	1039.3	927.4	703.7
97.5°	320.3	229.1	137.9	229.1	320.3	343.1	747.2	1285.9	1555.2	1484.6	1343.1
100°	348.2	265.5	182.8	265.5	348.2	368.9	817.2	1415.0	1713.9	1719.1	1729.5
102.5°	375.4	298.2	221.0	298.2	375.4	394.6	849.4	1455.6	1758.8	1848.8	2029.0
105°	416.5	351.1	285.8	351.1	416.5	432.8	873.2	1460.2	1753.8	1955.7	2359.7
107.5°	474.1	413.2	352.3	413.2	474.1	489.3	877.5	1395.2	1654.1	1935.8	2499.3
110°	507.1	452.2	397.1	452.2	507.1	520.9	871.0	1337.6	1571.0	1885.9	2515.9



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CATALOG NUMBER: SQ4-FA-150U-075D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	545.9	493.6	441.2	493.6	545.9	559.1	871.2	1287.3	1495.4	1817.7	2462.4
115°	604.4	556.0	507.6	556.0	604.4	616.4	879.2	1229.6	1404.8	1715.3	2336.4
117.5°	661.1	617.2	573.2	617.2	661.1	672.1	895.6	1193.6	1342.6	1622.8	2183.2
120°	694.2	652.9	611.5	652.9	694.2	704.5	908.9	1181.4	1317.6	1573.7	2085.8
122.5°	732.3	690.6	648.9	690.6	732.3	742.7	928.0	1175.0	1298.5	1529.1	1990.3
125°	782.2	744.1	706.1	744.1	782.2	791.7	953.7	1169.8	1277.7	1473.6	1865.3
127.5°	829.5	791.0	752.7	791.0	829.5	839.1	979.5	1166.7	1260.2	1428.4	1764.8
130°	860.4	819.0	777.6	819.0	860.4	870.7	998.4	1168.6	1253.7	1403.4	1702.8
132.5°	886.1	844.8	803.4	844.8	886.1	896.4	1013.6	1169.8	1247.8	1381.8	1649.9
135°	916.9	879.2	841.6	879.2	916.9	926.4	1030.2	1168.6	1237.9	1350.1	1574.6
137.5°	955.2	917.9	880.6	917.9	955.2	964.5	1055.1	1175.8	1236.2	1331.1	1520.9
140°	981.7	947.4	913.0	947.4	981.7	990.3	1070.3	1177.0	1230.4	1312.4	1476.3
142.5°	1001.5	969.7	937.9	969.7	1001.5	1009.4	1083.1	1181.3	1230.4	1302.4	1446.4
145°	1031.6	1003.9	976.2	1003.9	1031.6	1038.5	1099.7	1181.3	1222.1	1280.9	1398.8
147.5°	1068.3	1041.4	1014.4	1041.4	1068.3	1075.0	1124.0	1189.4	1222.1	1268.4	1361.0
150°	1088.0	1063.6	1039.3	1063.6	1088.0	1094.1	1136.7	1193.6	1222.1	1261.2	1339.5
152.5°	1102.0	1083.5	1065.1	1083.5	1102.0	1106.6	1145.1	1196.4	1222.1	1255.5	1322.3
155°	1130.6	1116.9	1103.3	1116.9	1130.6	1134.0	1163.4	1202.5	1222.1	1248.6	1301.8
157.5°	1158.1	1144.8	1131.5	1144.8	1158.1	1161.4	1181.7	1208.6	1222.1	1242.8	1284.1
160°	1171.3	1161.0	1150.7	1161.0	1171.3	1173.8	1189.9	1211.3	1222.1	1239.8	1275.3
162.5°	1185.2	1177.5	1169.8	1177.5	1185.2	1187.2	1198.8	1214.3	1222.1	1237.0	1266.9
165°	1204.5	1197.6	1190.5	1197.6	1204.5	1206.3	1211.5	1218.5	1222.1	1232.8	1254.2
167.5°	1216.3	1212.9	1209.6	1212.9	1216.3	1217.1	1221.5	1227.5	1230.4	1237.4	1251.5
170°	1228.7	1225.4	1222.1	1225.4	1228.7	1229.5	1229.8	1230.2	1230.4	1237.4	1251.5
172.5°	1230.2	1229.4	1228.7	1229.4	1230.2	1230.4	1230.4	1230.4	1230.4	1235.9	1247.0
175°	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1235.4	1232.1	1230.4	1233.9	1240.9
177.5°	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1235.9	1233.3	1232.0	1234.8	1240.4
180°	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9



TEST NUMBER: P935975
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1358.6	1354.6	1360.0	1345.3	1360.0	1354.6	1358.6	1368.0	1360.0	1365.3	1370.6
5°	1192.1	1185.5	1164.2	1146.9	1164.2	1185.5	1192.1	1220.1	1233.4	1257.4	1289.4
7.5°	1065.6	1060.3	1054.9	1044.3	1054.9	1060.3	1065.6	1073.6	1086.9	1108.2	1132.2
10°	1037.6	1039.0	1047.0	1045.6	1047.0	1039.0	1037.6	1035.0	1031.0	1035.0	1049.6
12.5°	1109.6	1121.5	1165.5	1162.8	1165.5	1121.5	1109.6	1056.3	1020.3	1013.7	1016.3
15°	1192.1	1196.1	1205.5	1206.8	1205.5	1196.1	1192.1	1170.8	1062.9	1016.3	1001.7
17.5°	1200.1	1201.5	1208.1	1208.1	1208.1	1201.5	1200.1	1190.8	1154.8	1092.2	1009.7
20°	1193.5	1196.1	1209.5	1212.1	1209.5	1196.1	1193.5	1181.5	1161.5	1138.9	1076.3
22.5°	1190.8	1196.1	1206.8	1205.5	1206.8	1196.1	1190.8	1172.2	1154.8	1138.9	1113.6
25°	1177.5	1177.5	1178.8	1180.2	1178.8	1177.5	1177.5	1162.8	1128.2	1124.2	1109.6
27.5°	1149.5	1152.2	1160.2	1158.8	1160.2	1152.2	1149.5	1144.2	1106.9	1102.9	1092.2
30°	1124.2	1121.5	1114.9	1109.6	1114.9	1121.5	1124.2	1116.2	1078.9	1068.3	1070.9
32.5°	1081.6	1074.9	1068.3	1064.3	1068.3	1074.9	1081.6	1078.9	1050.9	1036.3	1039.0
35°	1031.0	1032.3	1031.0	1027.0	1031.0	1032.3	1031.0	1033.6	1016.3	1003.0	1001.7
37.5°	995.0	997.7	996.3	991.0	996.3	997.7	995.0	992.3	968.4	964.4	967.0
40°	957.7	959.0	957.7	953.7	957.7	959.0	957.7	952.4	919.1	920.4	929.7
42.5°	921.7	920.4	916.4	913.8	916.4	920.4	921.7	913.8	871.1	867.1	884.4
45°	880.5	881.8	873.8	869.8	873.8	881.8	880.5	875.1	831.2	820.5	832.5
47.5°	839.2	839.2	832.5	828.5	832.5	839.2	839.2	832.5	785.9	775.2	781.9
50°	795.2	793.9	784.5	783.2	784.5	793.9	795.2	791.2	741.9	732.6	732.6
52.5°	744.6	744.6	745.9	748.6	745.9	744.6	744.6	745.9	702.0	692.6	690.0
55°	700.6	702.0	711.3	714.0	711.3	702.0	700.6	700.6	660.7	651.3	646.0
57.5°	655.3	655.3	662.0	662.0	662.0	655.3	655.3	652.7	614.1	606.1	603.4
60°	603.4	606.1	611.4	610.1	611.4	606.1	603.4	600.7	567.4	562.1	552.8
62.5°	548.8	551.4	552.8	550.1	552.8	551.4	548.8	540.8	520.8	516.8	504.8
65°	491.5	494.2	495.5	492.8	495.5	494.2	491.5	487.5	472.9	466.2	455.5
67.5°	432.9	431.6	430.2	435.6	430.2	431.6	432.9	427.6	418.2	412.9	398.3
70°	373.0	373.0	371.6	374.3	371.6	373.0	373.0	369.0	363.6	359.6	346.3
72.5°	309.0	307.7	313.0	309.0	313.0	307.7	309.0	307.7	305.0	301.0	287.7
75°	246.4	249.1	246.4	250.4	246.4	249.1	246.4	247.8	246.4	243.8	234.4
77.5°	187.8	190.5	187.8	187.8	187.8	190.5	187.8	189.1	189.1	189.1	181.2
80°	133.2	131.9	131.9	130.5	131.9	131.9	133.2	133.2	134.5	131.9	129.2
82.5°	85.2	83.9	83.9	86.6	83.9	83.9	85.2	86.6	83.9	83.9	83.9
85°	46.6	48.0	45.3	45.3	45.3	48.0	46.6	44.0	46.6	46.6	45.3
87.5°	17.3	16.0	16.0	16.0	16.0	16.0	17.3	18.6	18.6	18.6	20.0
90°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	42.1	56.1	63.1	54.3
92.5°	157.9	151.6	126.5	101.3	126.5	151.6	157.9	223.8	311.6	355.6	312.2
95°	535.8	516.8	440.7	364.7	440.7	516.8	535.8	703.7	927.4	1039.3	877.8
97.5°	1237.1	1200.8	1056.1	911.4	1056.1	1200.8	1237.1	1343.1	1484.6	1555.2	1285.9
100°	1737.2	1694.1	1521.7	1349.2	1521.7	1694.1	1737.2	1729.5	1719.1	1713.9	1415.0
102.5°	2164.1	2127.2	1979.5	1831.9	1979.5	2127.2	2164.1	2029.0	1848.8	1758.8	1455.6
105°	2662.7	2642.8	2563.4	2484.0	2563.4	2642.8	2662.7	2359.7	1955.7	1753.8	1460.2
107.5°	2921.9	2926.7	2945.9	2965.0	2945.9	2926.7	2921.9	2499.3	1935.8	1654.1	1395.2
110°	2988.3	3009.0	3091.7	3174.4	3091.7	3009.0	2988.3	2515.9	1885.9	1571.0	1337.6



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	2945.9	2977.7	3104.7	3231.7	3104.7	2977.7	2945.9	2462.4	1817.7	1495.4	1287.3
115°	2802.2	2846.2	3022.3	3198.5	3022.3	2846.2	2802.2	2336.4	1715.3	1404.8	1229.6
117.5°	2603.6	2652.5	2847.8	3043.2	2847.8	2652.5	2603.6	2183.2	1622.8	1342.6	1193.6
120°	2469.9	2517.3	2707.2	2896.9	2707.2	2517.3	2469.9	2085.8	1573.7	1317.6	1181.4
122.5°	2336.2	2382.9	2570.1	2757.3	2570.1	2382.9	2336.2	1990.3	1529.1	1298.5	1175.0
125°	2159.2	2202.2	2374.7	2547.1	2374.7	2202.2	2159.2	1865.3	1473.6	1277.7	1169.8
127.5°	2017.1	2053.5	2199.0	2344.5	2199.0	2053.5	2017.1	1764.8	1428.4	1260.2	1166.7
130°	1927.4	1961.0	2095.4	2229.8	2095.4	1961.0	1927.4	1702.8	1403.4	1253.7	1168.6
132.5°	1850.9	1881.1	2001.4	2121.8	2001.4	1881.1	1850.9	1649.9	1381.8	1247.8	1169.8
135°	1743.0	1768.9	1872.7	1976.4	1872.7	1768.9	1743.0	1574.6	1350.1	1237.9	1168.6
137.5°	1663.2	1684.4	1769.4	1854.3	1769.4	1684.4	1663.2	1520.9	1331.1	1236.2	1175.8
140°	1599.3	1619.1	1698.5	1777.9	1698.5	1619.1	1599.3	1476.3	1312.4	1230.4	1177.0
142.5°	1554.4	1571.4	1639.8	1708.1	1639.8	1571.4	1554.4	1446.4	1302.4	1230.4	1181.3
145°	1487.1	1500.0	1551.7	1603.4	1551.7	1500.0	1487.1	1398.8	1280.9	1222.1	1181.3
147.5°	1430.6	1441.3	1484.1	1527.0	1484.1	1441.3	1430.6	1361.0	1268.4	1222.1	1189.4
150°	1398.2	1406.9	1441.6	1476.3	1441.6	1406.9	1398.2	1339.5	1261.2	1222.1	1193.6
152.5°	1372.4	1379.0	1405.2	1431.5	1405.2	1379.0	1372.4	1322.3	1255.5	1222.1	1196.4
155°	1341.7	1346.0	1363.3	1380.8	1363.3	1346.0	1341.7	1301.8	1248.6	1222.1	1202.5
157.5°	1315.1	1318.1	1330.4	1342.6	1330.4	1318.1	1315.1	1284.1	1242.8	1222.1	1208.6
160°	1301.8	1303.6	1310.6	1317.6	1310.6	1303.6	1301.8	1275.3	1239.8	1222.1	1211.3
162.5°	1289.4	1291.1	1297.6	1304.3	1297.6	1291.1	1289.4	1266.9	1237.0	1222.1	1214.3
165°	1270.3	1272.1	1279.0	1286.0	1279.0	1272.1	1270.3	1254.2	1232.8	1222.1	1218.5
167.5°	1261.9	1262.6	1265.7	1268.6	1265.7	1262.6	1261.9	1251.5	1237.4	1230.4	1227.5
170°	1261.9	1261.9	1261.9	1261.9	1261.9	1261.9	1261.9	1251.5	1237.4	1230.4	1230.2
172.5°	1255.3	1254.7	1252.1	1249.5	1252.1	1254.7	1255.3	1247.0	1235.9	1230.4	1230.4
175°	1246.1	1246.1	1246.1	1246.1	1246.1	1246.1	1246.1	1240.9	1233.9	1230.4	1232.1
177.5°	1244.5	1243.8	1240.8	1237.9	1240.8	1243.8	1244.5	1240.4	1234.8	1232.0	1233.3
180°	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9	1237.9



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1407.9	1407.9	1407.9	1407.9	1407.9
2.5°	1390.6	1397.3	1401.3	1406.6	1419.9
5°	1337.3	1362.6	1370.6	1390.6	1414.6
7.5°	1220.1	1297.4	1318.7	1366.6	1403.9
10°	1106.9	1184.1	1221.4	1334.7	1390.6
12.5°	1049.6	1094.9	1120.2	1278.7	1372.0
15°	1013.7	1045.6	1064.3	1204.1	1350.6
17.5°	985.7	1008.3	1021.6	1130.9	1321.3
20°	968.4	979.0	991.0	1077.6	1288.0
22.5°	956.4	949.7	959.0	1040.3	1242.8
25°	948.4	923.1	933.7	1011.0	1189.5
27.5°	955.0	899.1	903.1	984.3	1133.5
30°	956.4	869.8	871.1	956.4	1070.9
32.5°	947.1	839.2	840.5	921.7	1000.3
35°	924.4	803.2	801.9	881.8	904.4
37.5°	893.8	764.6	764.6	837.8	799.2
40°	856.5	725.9	729.9	780.6	706.0
42.5°	811.2	684.6	690.0	704.6	636.7
45°	761.9	644.7	648.7	595.4	583.4
47.5°	707.3	603.4	604.7	494.2	566.1
50°	642.0	560.8	555.4	423.6	564.8
52.5°	584.7	514.2	498.2	383.6	512.8
55°	528.8	464.9	430.2	353.0	475.5
57.5°	479.5	400.9	367.6	317.0	467.5
60°	434.2	338.3	313.0	278.4	428.9
62.5°	396.9	291.7	286.4	251.7	388.9
65°	357.0	259.7	258.4	229.1	330.3
67.5°	318.3	238.4	237.1	207.8	251.7
70°	277.1	215.8	213.1	185.1	186.5
72.5°	234.4	190.5	187.8	166.5	154.5
75°	191.8	161.2	159.8	145.2	125.2
77.5°	150.5	127.9	130.5	117.2	91.9
80°	107.9	93.2	95.9	83.9	69.3
82.5°	71.9	61.3	63.9	53.3	46.6
85°	40.0	34.6	36.0	28.0	21.3
87.5°	18.6	16.0	16.0	10.7	6.7
90°	36.6	23.3	21.6	15.0	8.3
92.5°	225.5	160.4	146.3	89.7	33.2
95°	554.7	312.4	286.6	183.1	79.7
97.5°	747.2	343.1	320.3	229.1	137.9
100°	817.2	368.9	348.2	265.5	182.8
102.5°	849.4	394.6	375.4	298.2	221.0
105°	873.2	432.8	416.5	351.1	285.8
107.5°	877.5	489.3	474.1	413.2	352.3
110°	871.0	520.9	507.1	452.2	397.1



TEST NUMBER: P935975

CATALOG NUMBER: SQ4-FA-150U-075D-940-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	871.2	559.1	545.9	493.6	441.2
115°	879.2	616.4	604.4	556.0	507.6
117.5°	895.6	672.1	661.1	617.2	573.2
120°	908.9	704.5	694.2	652.9	611.5
122.5°	928.0	742.7	732.3	690.6	648.9
125°	953.7	791.7	782.2	744.1	706.1
127.5°	979.5	839.1	829.5	791.0	752.7
130°	998.4	870.7	860.4	819.0	777.6
132.5°	1013.6	896.4	886.1	844.8	803.4
135°	1030.2	926.4	916.9	879.2	841.6
137.5°	1055.1	964.5	955.2	917.9	880.6
140°	1070.3	990.3	981.7	947.4	913.0
142.5°	1083.1	1009.4	1001.5	969.7	937.9
145°	1099.7	1038.5	1031.6	1003.9	976.2
147.5°	1124.0	1075.0	1068.3	1041.4	1014.4
150°	1136.7	1094.1	1088.0	1063.6	1039.3
152.5°	1145.1	1106.6	1102.0	1083.5	1065.1
155°	1163.4	1134.0	1130.6	1116.9	1103.3
157.5°	1181.7	1161.4	1158.1	1144.8	1131.5
160°	1189.9	1173.8	1171.3	1161.0	1150.7
162.5°	1198.8	1187.2	1185.2	1177.5	1169.8
165°	1211.5	1206.3	1204.5	1197.6	1190.5
167.5°	1221.5	1217.1	1216.3	1212.9	1209.6
170°	1229.8	1229.5	1228.7	1225.4	1222.1
172.5°	1230.4	1230.4	1230.2	1229.4	1228.7
175°	1235.4	1237.9	1237.9	1237.9	1237.9
177.5°	1235.9	1237.9	1237.9	1237.9	1237.9
180°	1237.9	1237.9	1237.9	1237.9	1237.9



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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	10.28	11.00	11.39	12.10	13.61	13.11	13.82	14.21	14.92	16.44
	3H	10.75	11.39	11.86	12.50	14.03	14.44	15.08	15.55	16.19	17.72
	4H	10.93	11.54	12.05	12.65	14.19	14.88	15.48	16.00	16.59	18.13
	6H	11.04	11.60	12.17	12.71	14.26	15.15	15.71	16.28	16.82	18.37
	8H	11.04	11.57	12.17	12.70	14.24	15.22	15.75	16.35	16.88	18.42
	12H	11.01	11.51	12.14	12.63	14.20	15.25	15.76	16.39	16.88	18.44
4H	2H	11.30	11.90	12.42	13.01	14.55	13.50	14.11	14.63	15.21	16.75
	3H	12.31	12.82	13.44	13.95	15.50	14.99	15.49	16.12	16.63	18.18
	4H	12.58	13.04	13.72	14.17	15.74	15.51	15.97	16.65	17.10	18.67
	6H	12.70	13.09	13.84	14.24	15.80	15.86	16.26	17.01	17.41	18.97
	8H	12.70	13.07	13.84	14.21	15.79	15.97	16.34	17.11	17.48	19.06
	12H	12.66	13.00	13.82	14.15	15.73	16.02	16.35	17.18	17.50	19.09
8H	4H	13.02	13.39	14.16	14.53	16.11	15.62	15.99	16.77	17.13	18.71
	6H	13.27	13.58	14.44	14.76	16.34	16.05	16.36	17.22	17.54	19.11
	8H	13.32	13.58	14.49	14.74	16.34	16.20	16.47	17.37	17.63	19.22
	12H	13.29	13.53	14.47	14.69	16.32	16.29	16.53	17.47	17.68	19.31
12H	4H	13.02	13.36	14.18	14.51	16.09	15.58	15.92	16.74	17.07	18.65
	6H	13.33	13.60	14.50	14.76	16.36	16.05	16.31	17.22	17.47	19.07
	8H	13.39	13.63	14.57	14.79	16.42	16.20	16.44	17.37	17.59	19.22