

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: P935919

Luminaire Tested: SQ4-FA-150U-075D-840-1D-UNV-STD-W-6

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935919
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-840-1D-UNV-STD-W-6
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

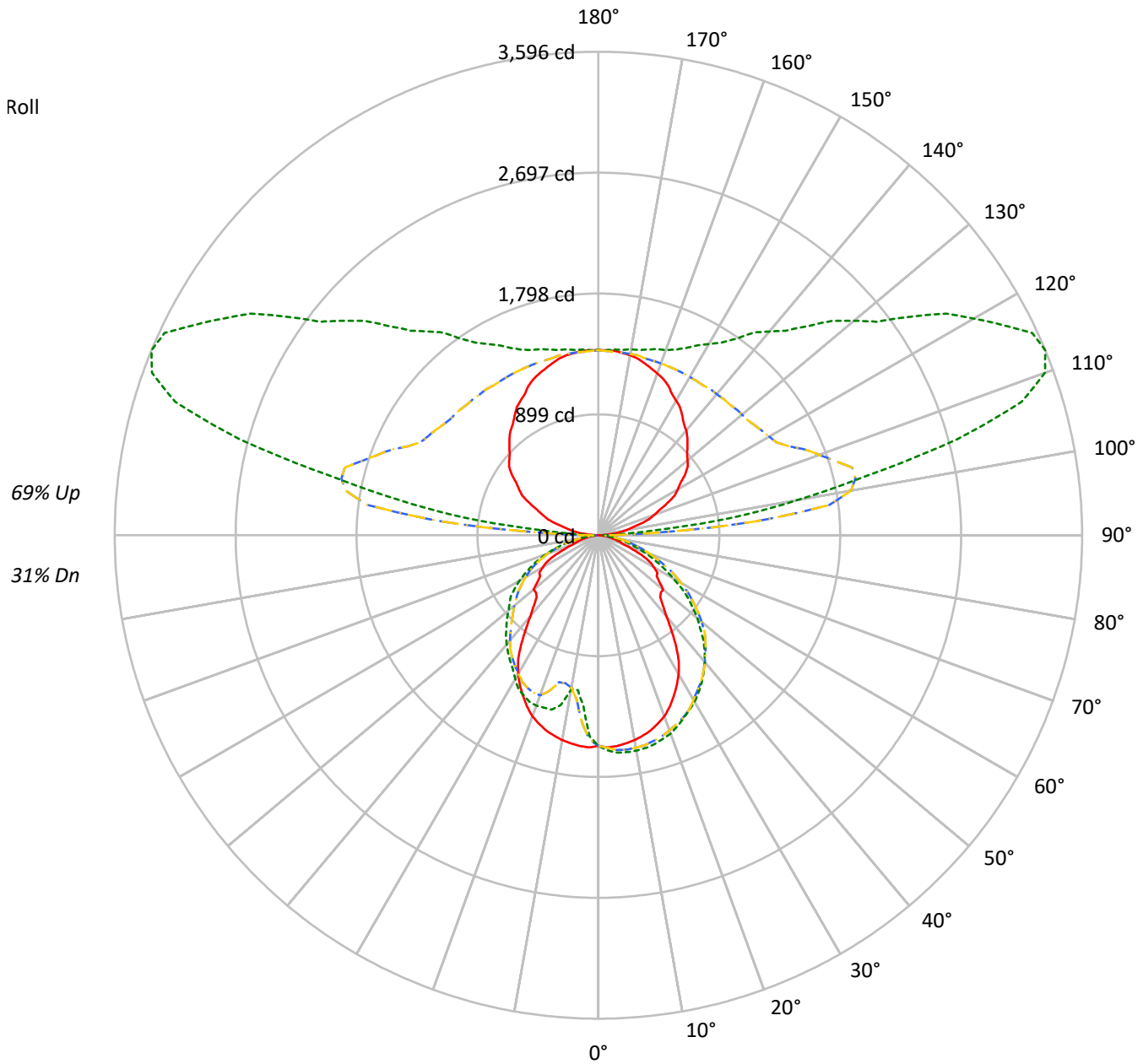
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12995.1 lumens
Efficiency: N/A
Efficacy: 136.2 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				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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	49	47	46	34	34	33	34	34	33	26
2	85	78	72	67	76	70	65	61	56	52	49	43	40	38	30	29	28	30	29	28	22
3	78	69	61	56	70	62	56	51	49	45	42	38	35	32	27	25	24	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	24	22	20	16
5	65	54	46	40	58	49	42	37	39	34	30	30	27	24	22	19	18	22	19	18	14
6	60	48	40	35	54	44	37	32	35	30	26	27	23	21	19	17	15	19	17	15	12
7	55	43	36	30	49	39	33	28	32	27	23	24	21	18	18	15	14	18	15	14	11
8	51	39	32	27	46	36	29	24	29	24	20	22	19	16	16	14	12	16	14	12	10
9	47	36	28	23	43	32	26	22	26	21	18	20	17	14	15	13	11	15	13	11	9
10	44	33	26	21	40	30	23	19	24	19	16	19	15	13	14	12	10	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	9691	9691	9691	9691
5°	9759	9782	9759	7692
10°	9690	9636	9690	6889
15°	9581	9427	9581	7872
20°	9377	9180	9377	7888
25°	8963	8819	8963	7721
30°	8430	8519	8430	7354
35°	7512	8140	7512	6951
40°	6256	7695	6256	6646
45°	5586	7173	5586	6295
50°	5930	6550	5930	5944
55°	5574	5879	5574	5741
60°	5738	4994	5738	5258
65°	5194	4128	5194	4614
70°	3589	3290	3589	3867
75°	3135	2432	3135	2912
80°	2509	1608	2509	1750
85°	1413	852	1413	724

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 8566 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.4	1.1
10°-20°	401.5	3.1
20°-30°	620.6	4.8
30°-40°	740.9	5.7
40°-50°	745.2	5.7
50°-60°	648.4	5.0
60°-70°	459.7	3.5
70°-80°	243.2	1.9
80°-90°	65.8	0.5
90°-100°	671.4	5.2
100°-110°	1765.0	13.6
110°-120°	1830.1	14.1
120°-130°	1468.0	11.3
130°-140°	1151.8	8.9
140°-150°	884.1	6.8
150°-160°	636.7	4.9
160°-170°	389.6	3.0
170°-180°	131.6	1.0
0°-30°	1163.5	9.0
0°-40°	1904.4	14.7
0°-60°	3298.0	25.4
0°-90°	4066.8	31.3
90°-120°	4266.5	32.8
90°-150°	7770.4	59.8
90°-180°	8928.0	68.7
0°-180°	12995.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1566	1566	1566	1566	1566	
5°	1574	1623	1574	1276	1574	149
15°	1503	1608	1503	1343	1503	423
25°	1323	1500	1323	1313	1323	608
35°	1006	1338	1006	1143	1006	623
45°	649	1103	649	968	649	520
55°	529	814	529	794	529	486
65°	368	490	368	548	368	351
75°	139	233	139	279	139	146
85°	24	59	24	50	24	32
90°	9	35	9	35	9	9
95°	89	406	89	406	89	99
105°	318	2764	318	2764	318	337
115°	565	3559	565	3559	565	558
125°	786	2834	786	2834	786	698
135°	936	2199	936	2199	936	724
145°	1086	1784	1086	1784	1086	680
155°	1228	1536	1228	1536	1228	564
165°	1325	1431	1325	1431	1325	374
175°	1377	1386	1377	1386	1377	131
180°	1377	1377	1377	1377	1377	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5
2.5°	1579.8	1579.8	1588.7	1591.7	1591.7	1587.2	1582.8	1587.2	1600.6	1605.0	1603.5
5°	1573.9	1585.7	1602.0	1605.0	1608.0	1606.5	1603.5	1606.5	1621.3	1624.3	1625.8
7.5°	1562.0	1584.3	1605.0	1609.5	1613.9	1609.5	1608.0	1610.9	1625.8	1628.7	1628.7
10°	1547.2	1578.3	1602.0	1605.0	1609.5	1605.0	1605.0	1610.9	1625.8	1628.7	1630.2
12.5°	1526.5	1569.4	1591.7	1594.6	1600.6	1599.1	1597.6	1603.5	1618.3	1621.3	1621.3
15°	1502.7	1553.1	1573.9	1576.8	1587.2	1584.3	1584.3	1590.2	1606.5	1610.9	1609.5
17.5°	1470.1	1532.4	1556.1	1560.5	1568.0	1566.5	1568.0	1573.9	1588.7	1591.7	1593.2
20°	1433.1	1504.2	1532.4	1536.8	1544.2	1544.2	1544.2	1551.7	1566.5	1572.4	1572.4
22.5°	1382.7	1474.6	1504.2	1507.2	1516.1	1516.1	1519.0	1529.4	1542.8	1544.2	1544.2
25°	1323.4	1442.0	1467.2	1476.1	1485.0	1489.4	1493.9	1499.8	1504.2	1502.7	1504.2
27.5°	1261.2	1400.5	1433.1	1439.0	1450.9	1455.3	1461.3	1462.7	1464.2	1468.7	1465.7
30°	1191.5	1342.7	1391.6	1397.5	1416.8	1419.8	1413.8	1416.8	1424.2	1427.2	1430.1
32.5°	1113.0	1256.7	1348.6	1362.0	1379.7	1370.8	1369.4	1373.8	1385.7	1385.7	1388.6
35°	1006.3	1190.0	1308.6	1320.5	1333.8	1323.4	1329.4	1330.8	1338.2	1342.7	1341.2
37.5°	889.2	1132.2	1267.1	1276.0	1286.4	1273.0	1281.9	1286.4	1292.3	1289.3	1289.3
40°	785.5	1041.8	1218.2	1224.1	1233.0	1222.6	1231.5	1234.5	1237.5	1234.5	1233.0
42.5°	708.4	942.6	1166.3	1173.7	1167.8	1175.2	1178.2	1184.1	1179.7	1173.7	1173.7
45°	649.1	915.9	1110.0	1118.9	1110.0	1121.9	1126.3	1126.3	1113.0	1110.0	1108.5
47.5°	629.8	862.5	1053.7	1053.7	1049.3	1064.1	1071.5	1061.1	1047.8	1043.3	1043.3
50°	628.4	803.2	976.6	970.7	991.5	1009.2	1001.8	991.5	981.1	964.8	964.8
52.5°	570.6	730.6	877.3	899.6	932.2	942.6	930.7	920.3	902.5	895.1	889.2
55°	529.1	655.0	786.9	831.4	865.5	878.8	856.6	846.2	819.5	815.1	812.1
57.5°	520.2	545.4	704.0	760.3	801.8	800.3	786.9	767.7	745.4	741.0	739.5
60°	477.2	394.2	615.0	681.7	724.7	720.3	708.4	690.6	669.9	666.9	663.9
62.5°	432.7	286.0	514.3	589.8	650.6	649.1	638.7	612.1	597.2	589.8	583.9
65°	367.5	240.1	366.1	490.5	578.0	580.9	558.7	539.4	523.1	514.3	512.8
67.5°	280.1	195.6	247.5	409.0	508.3	505.4	477.2	468.3	447.6	443.1	434.2
70°	207.5	130.4	171.9	332.0	440.2	432.7	410.5	400.1	380.9	370.5	364.6
72.5°	171.9	105.2	126.0	257.9	370.5	361.6	342.3	330.5	314.2	305.3	299.4
75°	139.3	111.2	96.3	191.2	300.8	294.9	277.1	265.3	251.9	240.1	241.6
77.5°	102.3	103.7	77.1	140.8	238.6	229.7	219.3	204.5	198.6	186.7	186.7
80°	77.1	81.5	57.8	96.3	171.9	171.9	163.0	152.6	142.3	136.3	136.3
82.5°	51.9	51.9	43.0	60.8	117.1	112.6	106.7	103.7	97.8	94.8	94.8
85°	23.7	29.6	26.7	37.0	63.7	66.7	66.7	63.7	62.2	59.3	60.8
87.5°	7.4	13.3	16.3	20.7	32.6	34.1	35.6	35.6	35.6	37.0	37.0
90°	9.3	16.7	24.0	25.9	40.7	60.4	70.2	62.4	46.8	35.2	35.2
92.5°	37.0	99.8	162.7	178.4	250.9	347.4	395.6	346.7	249.0	175.7	168.7
95°	88.7	203.7	318.8	347.6	617.2	976.6	1156.4	1031.9	782.9	596.2	575.0
97.5°	153.4	254.9	356.4	381.8	831.3	1430.7	1730.4	1651.7	1494.4	1376.4	1336.1
100°	203.3	295.4	387.4	410.4	909.3	1574.4	1906.9	1912.7	1924.2	1932.8	1884.9
102.5°	245.9	331.8	417.6	439.1	945.0	1619.5	1956.8	2057.0	2257.5	2407.9	2366.8
105°	317.9	390.7	463.4	481.6	971.5	1624.7	1951.3	2176.0	2625.4	2962.5	2940.4
107.5°	391.9	459.7	527.5	544.4	976.3	1552.3	1840.3	2153.8	2780.7	3250.9	3256.3
110°	441.8	503.1	564.2	579.6	969.0	1488.2	1747.9	2098.3	2799.2	3324.8	3347.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	490.8	549.1	607.4	622.0	969.3	1432.3	1663.8	2022.4	2739.7	3277.7	3313.1
115°	564.7	618.6	672.4	685.9	978.2	1368.1	1563.0	1908.5	2599.5	3117.7	3166.7
117.5°	637.8	686.7	735.6	747.8	996.5	1328.0	1493.8	1805.6	2429.1	2896.8	2951.2
120°	680.3	726.4	772.4	783.9	1011.2	1314.4	1466.0	1750.9	2320.7	2748.0	2800.8
122.5°	721.9	768.4	814.8	826.4	1032.5	1307.3	1444.8	1701.3	2214.4	2599.2	2651.3
125°	785.7	827.9	870.3	880.9	1061.1	1301.5	1421.6	1639.6	2075.4	2402.3	2450.2
127.5°	837.4	880.1	922.9	933.6	1089.8	1298.0	1402.2	1589.3	1963.6	2244.2	2284.8
130°	865.2	911.2	957.3	968.7	1110.8	1300.2	1394.9	1561.4	1894.6	2144.5	2181.8
132.5°	893.8	939.9	985.9	997.4	1127.7	1301.5	1388.3	1537.4	1835.7	2059.4	2092.9
135°	936.3	978.2	1020.2	1030.7	1146.2	1300.2	1377.3	1502.2	1751.9	1939.2	1968.1
137.5°	979.8	1021.3	1062.8	1073.2	1173.9	1308.2	1375.4	1481.0	1692.1	1850.5	1874.1
140°	1015.9	1054.1	1092.2	1101.8	1190.8	1309.6	1369.0	1460.2	1642.6	1779.4	1801.4
142.5°	1043.5	1078.9	1114.3	1123.1	1205.1	1314.3	1369.0	1449.1	1609.3	1729.4	1748.4
145°	1086.1	1116.9	1147.8	1155.5	1223.5	1314.3	1359.7	1425.2	1556.3	1654.6	1668.9
147.5°	1128.6	1158.6	1188.6	1196.1	1250.6	1323.3	1359.7	1411.3	1514.3	1591.7	1603.6
150°	1156.4	1183.4	1210.5	1217.3	1264.7	1328.1	1359.7	1403.3	1490.3	1555.6	1565.3
152.5°	1185.0	1205.6	1226.1	1231.2	1274.0	1331.1	1359.7	1396.8	1471.2	1527.0	1534.3
155°	1227.5	1242.7	1257.9	1261.7	1294.4	1337.9	1359.7	1389.2	1448.4	1492.8	1497.6
157.5°	1258.9	1273.7	1288.5	1292.2	1314.7	1344.7	1359.7	1382.7	1428.7	1463.2	1466.6
160°	1280.3	1291.7	1303.2	1306.0	1323.9	1347.7	1359.7	1379.4	1418.9	1448.4	1450.4
162.5°	1301.5	1310.1	1318.7	1320.9	1333.8	1351.1	1359.7	1376.3	1409.6	1434.6	1436.5
165°	1324.6	1332.4	1340.1	1342.1	1347.9	1355.7	1359.7	1371.6	1395.5	1413.3	1415.3
167.5°	1345.9	1349.5	1353.3	1354.2	1359.1	1365.7	1369.0	1376.8	1392.4	1404.0	1404.8
170°	1359.7	1363.3	1367.1	1368.0	1368.3	1368.8	1369.0	1376.8	1392.4	1404.0	1404.0
172.5°	1367.1	1367.9	1368.8	1369.0	1369.0	1369.0	1369.0	1375.1	1387.4	1396.6	1395.9
175°	1377.3	1377.3	1377.3	1377.3	1374.5	1370.8	1369.0	1372.8	1380.6	1386.5	1386.5
177.5°	1377.3	1377.3	1377.3	1377.3	1375.1	1372.2	1370.8	1373.8	1380.0	1384.7	1383.9
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5
2.5°	1606.5	1602.0	1606.5	1603.5	1605.0	1600.6	1587.2	1582.8	1587.2	1591.7	1591.7
5°	1625.8	1622.8	1625.8	1625.8	1624.3	1621.3	1606.5	1603.5	1606.5	1608.0	1605.0
7.5°	1631.7	1627.2	1631.7	1628.7	1628.7	1625.8	1610.9	1608.0	1609.5	1613.9	1609.5
10°	1631.7	1627.2	1631.7	1630.2	1628.7	1625.8	1610.9	1605.0	1605.0	1609.5	1605.0
12.5°	1624.3	1621.3	1624.3	1621.3	1621.3	1618.3	1603.5	1597.6	1599.1	1600.6	1594.6
15°	1612.4	1608.0	1612.4	1609.5	1610.9	1606.5	1590.2	1584.3	1584.3	1587.2	1576.8
17.5°	1594.6	1588.7	1594.6	1593.2	1591.7	1588.7	1573.9	1568.0	1566.5	1568.0	1560.5
20°	1573.9	1569.4	1573.9	1572.4	1572.4	1566.5	1551.7	1544.2	1544.2	1544.2	1536.8
22.5°	1541.3	1536.8	1541.3	1544.2	1544.2	1542.8	1529.4	1519.0	1516.1	1516.1	1507.2
25°	1504.2	1499.8	1504.2	1504.2	1502.7	1504.2	1499.8	1493.9	1489.4	1485.0	1476.1
27.5°	1468.7	1465.7	1468.7	1465.7	1468.7	1464.2	1462.7	1461.3	1455.3	1450.9	1439.0
30°	1433.1	1430.1	1433.1	1430.1	1427.2	1424.2	1416.8	1413.8	1419.8	1416.8	1397.5
32.5°	1388.6	1385.7	1388.6	1388.6	1385.7	1385.7	1373.8	1369.4	1370.8	1379.7	1362.0
35°	1342.7	1338.2	1342.7	1341.2	1342.7	1338.2	1330.8	1329.4	1323.4	1333.8	1320.5
37.5°	1289.3	1284.9	1289.3	1289.3	1289.3	1292.3	1286.4	1281.9	1273.0	1286.4	1276.0
40°	1234.5	1228.6	1234.5	1233.0	1234.5	1237.5	1234.5	1231.5	1222.6	1233.0	1224.1
42.5°	1172.3	1170.8	1172.3	1173.7	1173.7	1179.7	1184.1	1178.2	1175.2	1167.8	1173.7
45°	1105.6	1102.6	1105.6	1108.5	1110.0	1113.0	1126.3	1126.3	1121.9	1110.0	1118.9
47.5°	1034.4	1027.0	1034.4	1043.3	1043.3	1047.8	1061.1	1071.5	1064.1	1049.3	1053.7
50°	958.9	960.3	958.9	964.8	964.8	981.1	991.5	1001.8	1009.2	991.5	970.7
52.5°	884.8	883.3	884.8	889.2	895.1	902.5	920.3	930.7	942.6	932.2	899.6
55°	810.7	813.6	810.7	812.1	815.1	819.5	846.2	856.6	878.8	865.5	831.4
57.5°	736.6	732.1	736.6	739.5	741.0	745.4	767.7	786.9	800.3	801.8	760.3
60°	650.6	644.7	650.6	663.9	666.9	669.9	690.6	708.4	720.3	724.7	681.7
62.5°	575.0	564.6	575.0	583.9	589.8	597.2	612.1	638.7	649.1	650.6	589.8
65°	495.0	490.5	495.0	512.8	514.3	523.1	539.4	558.7	580.9	578.0	490.5
67.5°	422.4	422.4	422.4	434.2	443.1	447.6	468.3	477.2	505.4	508.3	409.0
70°	355.7	354.2	355.7	364.6	370.5	380.9	400.1	410.5	432.7	440.2	332.0
72.5°	292.0	290.5	292.0	299.4	305.3	314.2	330.5	342.3	361.6	370.5	257.9
75°	235.6	232.7	235.6	241.6	240.1	251.9	265.3	277.1	294.9	300.8	191.2
77.5°	180.8	180.8	180.8	186.7	186.7	198.6	204.5	219.3	229.7	238.6	140.8
80°	134.9	133.4	134.9	136.3	136.3	142.3	152.6	163.0	171.9	171.9	96.3
82.5°	94.8	91.9	94.8	94.8	94.8	97.8	103.7	106.7	112.6	117.1	60.8
85°	59.3	59.3	59.3	60.8	59.3	62.2	63.7	66.7	66.7	63.7	37.0
87.5°	38.5	37.0	38.5	37.0	37.0	35.6	35.6	35.6	34.1	32.6	20.7
90°	35.2	35.2	35.2	35.2	35.2	46.8	62.4	70.2	60.4	40.7	25.9
92.5°	140.7	112.7	140.7	168.7	175.7	249.0	346.7	395.6	347.4	250.9	178.4
95°	490.3	405.8	490.3	575.0	596.2	782.9	1031.9	1156.4	976.6	617.2	347.6
97.5°	1175.0	1014.0	1175.0	1336.1	1376.4	1494.4	1651.7	1730.4	1430.7	831.3	381.8
100°	1693.0	1501.2	1693.0	1884.9	1932.8	1924.2	1912.7	1906.9	1574.4	909.3	410.4
102.5°	2202.4	2038.1	2202.4	2366.8	2407.9	2257.5	2057.0	1956.8	1619.5	945.0	439.1
105°	2852.1	2763.7	2852.1	2940.4	2962.5	2625.4	2176.0	1951.3	1624.7	971.5	481.6
107.5°	3277.6	3298.9	3277.6	3256.3	3250.9	2780.7	2153.8	1840.3	1552.3	976.3	544.4
110°	3439.8	3531.9	3439.8	3347.8	3324.8	2799.2	2098.3	1747.9	1488.2	969.0	579.6



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3454.3	3595.6	3454.3	3313.1	3277.7	2739.7	2022.4	1663.8	1432.3	969.3	622.0
115°	3362.7	3558.7	3362.7	3166.7	3117.7	2599.5	1908.5	1563.0	1368.1	978.2	685.9
117.5°	3168.5	3385.9	3168.5	2951.2	2896.8	2429.1	1805.6	1493.8	1328.0	996.5	747.8
120°	3012.0	3223.2	3012.0	2800.8	2748.0	2320.7	1750.9	1466.0	1314.4	1011.2	783.9
122.5°	2859.6	3067.8	2859.6	2651.3	2599.2	2214.4	1701.3	1444.8	1307.3	1032.5	826.4
125°	2642.1	2834.0	2642.1	2450.2	2402.3	2075.4	1639.6	1421.6	1301.5	1061.1	880.9
127.5°	2446.6	2608.5	2446.6	2284.8	2244.2	1963.6	1589.3	1402.2	1298.0	1089.8	933.6
130°	2331.4	2480.9	2331.4	2181.8	2144.5	1894.6	1561.4	1394.9	1300.2	1110.8	968.7
132.5°	2226.8	2360.7	2226.8	2092.9	2059.4	1835.7	1537.4	1388.3	1301.5	1127.7	997.4
135°	2083.6	2199.0	2083.6	1968.1	1939.2	1751.9	1502.2	1377.3	1300.2	1146.2	1030.7
137.5°	1968.7	2063.1	1968.7	1874.1	1850.5	1692.1	1481.0	1375.4	1308.2	1173.9	1073.2
140°	1889.7	1978.1	1889.7	1801.4	1779.4	1642.6	1460.2	1369.0	1309.6	1190.8	1101.8
142.5°	1824.4	1900.4	1824.4	1748.4	1729.4	1609.3	1449.1	1369.0	1314.3	1205.1	1123.1
145°	1726.4	1783.9	1726.4	1668.9	1654.6	1556.3	1425.2	1359.7	1314.3	1223.5	1155.5
147.5°	1651.2	1699.0	1651.2	1603.6	1591.7	1514.3	1411.3	1359.7	1323.3	1250.6	1196.1
150°	1603.9	1642.6	1603.9	1565.3	1555.6	1490.3	1403.3	1359.7	1328.1	1264.7	1217.3
152.5°	1563.4	1592.7	1563.4	1534.3	1527.0	1471.2	1396.8	1359.7	1331.1	1274.0	1231.2
155°	1516.9	1536.2	1516.9	1497.6	1492.8	1448.4	1389.2	1359.7	1337.9	1294.4	1261.7
157.5°	1480.2	1493.8	1480.2	1466.6	1463.2	1428.7	1382.7	1359.7	1344.7	1314.7	1292.2
160°	1458.2	1466.0	1458.2	1450.4	1448.4	1418.9	1379.4	1359.7	1347.7	1323.9	1306.0
162.5°	1443.8	1451.2	1443.8	1436.5	1434.6	1409.6	1376.3	1359.7	1351.1	1333.8	1320.9
165°	1423.0	1430.8	1423.0	1415.3	1413.3	1395.5	1371.6	1359.7	1355.7	1347.9	1342.1
167.5°	1408.2	1411.5	1408.2	1404.8	1404.0	1392.4	1376.8	1369.0	1365.7	1359.1	1354.2
170°	1404.0	1404.0	1404.0	1404.0	1404.0	1392.4	1376.8	1369.0	1368.8	1368.3	1368.0
172.5°	1393.1	1390.2	1393.1	1395.9	1396.6	1387.4	1375.1	1369.0	1369.0	1369.0	1369.0
175°	1386.5	1386.5	1386.5	1386.5	1386.5	1380.6	1372.8	1369.0	1370.8	1374.5	1377.3
177.5°	1380.5	1377.3	1380.5	1383.9	1384.7	1380.0	1373.8	1370.8	1372.2	1375.1	1377.3
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5
2.5°	1588.7	1579.8	1579.8	1565.0	1559.1	1554.6	1547.2	1525.0	1519.0	1513.1	1522.0
5°	1602.0	1585.7	1573.9	1547.2	1525.0	1516.1	1487.9	1434.6	1399.0	1372.3	1357.5
7.5°	1605.0	1584.3	1562.0	1520.5	1467.2	1443.5	1357.5	1259.7	1233.0	1209.3	1194.5
10°	1602.0	1578.3	1547.2	1485.0	1359.0	1317.5	1231.5	1167.8	1151.5	1147.1	1151.5
12.5°	1591.7	1569.4	1526.5	1422.7	1246.4	1218.2	1167.8	1130.8	1127.8	1135.2	1175.2
15°	1573.9	1553.1	1502.7	1339.7	1184.1	1163.4	1127.8	1114.5	1130.8	1182.6	1302.7
17.5°	1556.1	1532.4	1470.1	1258.2	1136.7	1121.9	1096.7	1123.4	1215.2	1284.9	1324.9
20°	1532.4	1504.2	1433.1	1198.9	1102.6	1089.3	1077.4	1197.5	1267.1	1292.3	1314.5
22.5°	1504.2	1474.6	1382.7	1157.4	1067.0	1056.7	1064.1	1239.0	1267.1	1284.9	1304.2
25°	1467.2	1442.0	1323.4	1124.8	1038.9	1027.0	1055.2	1234.5	1250.8	1255.3	1293.8
27.5°	1433.1	1400.5	1261.2	1095.2	1004.8	1000.4	1062.6	1215.2	1227.1	1231.5	1273.0
30°	1391.6	1342.7	1191.5	1064.1	969.2	967.7	1064.1	1191.5	1188.6	1200.4	1241.9
32.5°	1348.6	1256.7	1113.0	1025.5	935.1	933.7	1053.7	1156.0	1153.0	1169.3	1200.4
35°	1308.6	1190.0	1006.3	981.1	892.2	893.6	1028.5	1114.5	1115.9	1130.8	1150.0
37.5°	1267.1	1132.2	889.2	932.2	850.7	850.7	994.4	1075.9	1073.0	1077.4	1104.1
40°	1218.2	1041.8	785.5	868.5	812.1	807.7	952.9	1034.4	1024.1	1022.6	1059.6
42.5°	1166.3	942.6	708.4	784.0	767.7	761.7	902.5	984.0	964.8	969.2	1016.7
45°	1110.0	915.9	649.1	662.5	721.7	717.3	847.7	926.2	912.9	924.8	973.7
47.5°	1053.7	862.5	629.8	549.8	672.8	671.3	786.9	869.9	862.5	874.4	926.2
50°	976.6	803.2	628.4	471.3	618.0	623.9	714.3	815.1	815.1	825.5	880.3
52.5°	877.3	730.6	570.6	426.8	554.3	572.1	650.6	767.7	770.6	781.0	829.9
55°	786.9	655.0	529.1	392.7	478.7	517.2	588.4	718.8	724.7	735.1	779.5
57.5°	704.0	545.4	520.2	352.7	409.0	446.1	533.5	671.3	674.3	683.2	726.2
60°	615.0	394.2	477.2	309.7	348.3	376.4	483.1	615.0	625.4	631.3	668.4
62.5°	514.3	286.0	432.7	280.1	318.6	324.6	441.6	561.7	575.0	579.5	601.7
65°	366.1	240.1	367.5	254.9	287.5	289.0	397.2	506.8	518.7	526.1	542.4
67.5°	247.5	195.6	280.1	231.2	263.8	265.3	354.2	443.1	459.4	465.3	475.7
70°	171.9	130.4	207.5	206.0	237.1	240.1	308.3	385.3	400.1	404.6	410.5
72.5°	126.0	105.2	171.9	185.2	209.0	211.9	260.8	320.1	334.9	339.4	342.3
75°	96.3	111.2	139.3	161.5	177.8	179.3	213.4	260.8	271.2	274.2	275.7
77.5°	77.1	103.7	102.3	130.4	145.2	142.3	167.5	201.6	210.4	210.4	210.4
80°	57.8	81.5	77.1	93.4	106.7	103.7	120.0	143.8	146.7	149.7	148.2
82.5°	43.0	51.9	51.9	59.3	71.1	68.2	80.0	93.4	93.4	93.4	96.3
85°	26.7	29.6	23.7	31.1	40.0	38.5	44.5	50.4	51.9	51.9	48.9
87.5°	16.3	13.3	7.4	11.9	17.8	17.8	20.7	22.2	20.7	20.7	20.7
90°	24.0	16.7	9.3	16.7	24.0	25.9	40.7	60.4	70.2	62.4	46.8
92.5°	162.7	99.8	37.0	99.8	162.7	178.4	250.9	347.4	395.6	346.7	249.0
95°	318.8	203.7	88.7	203.7	318.8	347.6	617.2	976.6	1156.4	1031.9	782.9
97.5°	356.4	254.9	153.4	254.9	356.4	381.8	831.3	1430.7	1730.4	1651.7	1494.4
100°	387.4	295.4	203.3	295.4	387.4	410.4	909.3	1574.4	1906.9	1912.7	1924.2
102.5°	417.6	331.8	245.9	331.8	417.6	439.1	945.0	1619.5	1956.8	2057.0	2257.5
105°	463.4	390.7	317.9	390.7	463.4	481.6	971.5	1624.7	1951.3	2176.0	2625.4
107.5°	527.5	459.7	391.9	459.7	527.5	544.4	976.3	1552.3	1840.3	2153.8	2780.7
110°	564.2	503.1	441.8	503.1	564.2	579.6	969.0	1488.2	1747.9	2098.3	2799.2



TEST NUMBER: P935919

CATALOG NUMBER: SQ4-FA-150U-075D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	607.4	549.1	490.8	549.1	607.4	622.0	969.3	1432.3	1663.8	2022.4	2739.7
115°	672.4	618.6	564.7	618.6	672.4	685.9	978.2	1368.1	1563.0	1908.5	2599.5
117.5°	735.6	686.7	637.8	686.7	735.6	747.8	996.5	1328.0	1493.8	1805.6	2429.1
120°	772.4	726.4	680.3	726.4	772.4	783.9	1011.2	1314.4	1466.0	1750.9	2320.7
122.5°	814.8	768.4	721.9	768.4	814.8	826.4	1032.5	1307.3	1444.8	1701.3	2214.4
125°	870.3	827.9	785.7	827.9	870.3	880.9	1061.1	1301.5	1421.6	1639.6	2075.4
127.5°	922.9	880.1	837.4	880.1	922.9	933.6	1089.8	1298.0	1402.2	1589.3	1963.6
130°	957.3	911.2	865.2	911.2	957.3	968.7	1110.8	1300.2	1394.9	1561.4	1894.6
132.5°	985.9	939.9	893.8	939.9	985.9	997.4	1127.7	1301.5	1388.3	1537.4	1835.7
135°	1020.2	978.2	936.3	978.2	1020.2	1030.7	1146.2	1300.2	1377.3	1502.2	1751.9
137.5°	1062.8	1021.3	979.8	1021.3	1062.8	1073.2	1173.9	1308.2	1375.4	1481.0	1692.1
140°	1092.2	1054.1	1015.9	1054.1	1092.2	1101.8	1190.8	1309.6	1369.0	1460.2	1642.6
142.5°	1114.3	1078.9	1043.5	1078.9	1114.3	1123.1	1205.1	1314.3	1369.0	1449.1	1609.3
145°	1147.8	1116.9	1086.1	1116.9	1147.8	1155.5	1223.5	1314.3	1359.7	1425.2	1556.3
147.5°	1188.6	1158.6	1128.6	1158.6	1188.6	1196.1	1250.6	1323.3	1359.7	1411.3	1514.3
150°	1210.5	1183.4	1156.4	1183.4	1210.5	1217.3	1264.7	1328.1	1359.7	1403.3	1490.3
152.5°	1226.1	1205.6	1185.0	1205.6	1226.1	1231.2	1274.0	1331.1	1359.7	1396.8	1471.2
155°	1257.9	1242.7	1227.5	1242.7	1257.9	1261.7	1294.4	1337.9	1359.7	1389.2	1448.4
157.5°	1288.5	1273.7	1258.9	1273.7	1288.5	1292.2	1314.7	1344.7	1359.7	1382.7	1428.7
160°	1303.2	1291.7	1280.3	1291.7	1303.2	1306.0	1323.9	1347.7	1359.7	1379.4	1418.9
162.5°	1318.7	1310.1	1301.5	1310.1	1318.7	1320.9	1333.8	1351.1	1359.7	1376.3	1409.6
165°	1340.1	1332.4	1324.6	1332.4	1340.1	1342.1	1347.9	1355.7	1359.7	1371.6	1395.5
167.5°	1353.3	1349.5	1345.9	1349.5	1353.3	1354.2	1359.1	1365.7	1369.0	1376.8	1392.4
170°	1367.1	1363.3	1359.7	1363.3	1367.1	1368.0	1368.3	1368.8	1369.0	1376.8	1392.4
172.5°	1368.8	1367.9	1367.1	1367.9	1368.8	1369.0	1369.0	1369.0	1369.0	1375.1	1387.4
175°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1374.5	1370.8	1372.8	1380.6
177.5°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1375.1	1372.2	1370.8	1380.0
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



TEST NUMBER: P935919
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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5	1566.5
2.5°	1511.6	1507.2	1513.1	1496.8	1513.1	1507.2	1511.6	1522.0	1513.1	1519.0	1525.0
5°	1326.4	1319.0	1295.3	1276.0	1295.3	1319.0	1326.4	1357.5	1372.3	1399.0	1434.6
7.5°	1185.6	1179.7	1173.7	1161.9	1173.7	1179.7	1185.6	1194.5	1209.3	1233.0	1259.7
10°	1154.5	1156.0	1164.9	1163.4	1164.9	1156.0	1154.5	1151.5	1147.1	1151.5	1167.8
12.5°	1234.5	1247.8	1296.8	1293.8	1296.8	1247.8	1234.5	1175.2	1135.2	1127.8	1130.8
15°	1326.4	1330.8	1341.2	1342.7	1341.2	1330.8	1326.4	1302.7	1182.6	1130.8	1114.5
17.5°	1335.3	1336.8	1344.2	1344.2	1344.2	1336.8	1335.3	1324.9	1284.9	1215.2	1123.4
20°	1327.9	1330.8	1345.7	1348.6	1345.7	1330.8	1327.9	1314.5	1292.3	1267.1	1197.5
22.5°	1324.9	1330.8	1342.7	1341.2	1342.7	1330.8	1324.9	1304.2	1284.9	1267.1	1239.0
25°	1310.1	1310.1	1311.6	1313.1	1311.6	1310.1	1310.1	1293.8	1255.3	1250.8	1234.5
27.5°	1279.0	1281.9	1290.8	1289.3	1290.8	1281.9	1279.0	1273.0	1231.5	1227.1	1215.2
30°	1250.8	1247.8	1240.4	1234.5	1240.4	1247.8	1250.8	1241.9	1200.4	1188.6	1191.5
32.5°	1203.4	1196.0	1188.6	1184.1	1188.6	1196.0	1203.4	1200.4	1169.3	1153.0	1156.0
35°	1147.1	1148.6	1147.1	1142.6	1147.1	1148.6	1147.1	1150.0	1130.8	1115.9	1114.5
37.5°	1107.1	1110.0	1108.5	1102.6	1108.5	1110.0	1107.1	1104.1	1077.4	1073.0	1075.9
40°	1065.6	1067.0	1065.6	1061.1	1065.6	1067.0	1065.6	1059.6	1022.6	1024.1	1034.4
42.5°	1025.5	1024.1	1019.6	1016.7	1019.6	1024.1	1025.5	1016.7	969.2	964.8	984.0
45°	979.6	981.1	972.2	967.7	972.2	981.1	979.6	973.7	924.8	912.9	926.2
47.5°	933.7	933.7	926.2	921.8	926.2	933.7	933.7	926.2	874.4	862.5	869.9
50°	884.8	883.3	872.9	871.4	872.9	883.3	884.8	880.3	825.5	815.1	815.1
52.5°	828.4	828.4	829.9	832.9	829.9	828.4	828.4	829.9	781.0	770.6	767.7
55°	779.5	781.0	791.4	794.4	791.4	781.0	779.5	779.5	735.1	724.7	718.8
57.5°	729.1	729.1	736.6	736.6	736.6	729.1	729.1	726.2	683.2	674.3	671.3
60°	671.3	674.3	680.2	678.8	680.2	674.3	671.3	668.4	631.3	625.4	615.0
62.5°	610.6	613.5	615.0	612.1	615.0	613.5	610.6	601.7	579.5	575.0	561.7
65°	546.9	549.8	551.3	548.3	551.3	549.8	546.9	542.4	526.1	518.7	506.8
67.5°	481.6	480.2	478.7	484.6	478.7	480.2	481.6	475.7	465.3	459.4	443.1
70°	415.0	415.0	413.5	416.4	413.5	415.0	415.0	410.5	404.6	400.1	385.3
72.5°	343.8	342.3	348.3	343.8	348.3	342.3	343.8	342.3	339.4	334.9	320.1
75°	274.2	277.1	274.2	278.6	274.2	277.1	274.2	275.7	274.2	271.2	260.8
77.5°	209.0	211.9	209.0	209.0	209.0	211.9	209.0	210.4	210.4	210.4	201.6
80°	148.2	146.7	146.7	145.2	146.7	146.7	148.2	148.2	149.7	146.7	143.8
82.5°	94.8	93.4	93.4	96.3	93.4	93.4	94.8	96.3	93.4	93.4	93.4
85°	51.9	53.4	50.4	50.4	50.4	53.4	51.9	48.9	51.9	51.9	50.4
87.5°	19.3	17.8	17.8	17.8	17.8	17.8	19.3	20.7	20.7	20.7	22.2
90°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	46.8	62.4	70.2	60.4
92.5°	175.7	168.7	140.7	112.7	140.7	168.7	175.7	249.0	346.7	395.6	347.4
95°	596.2	575.0	490.3	405.8	490.3	575.0	596.2	782.9	1031.9	1156.4	976.6
97.5°	1376.4	1336.1	1175.0	1014.0	1175.0	1336.1	1376.4	1494.4	1651.7	1730.4	1430.7
100°	1932.8	1884.9	1693.0	1501.2	1693.0	1884.9	1932.8	1924.2	1912.7	1906.9	1574.4
102.5°	2407.9	2366.8	2202.4	2038.1	2202.4	2366.8	2407.9	2257.5	2057.0	1956.8	1619.5
105°	2962.5	2940.4	2852.1	2763.7	2852.1	2940.4	2962.5	2625.4	2176.0	1951.3	1624.7
107.5°	3250.9	3256.3	3277.6	3298.9	3277.6	3256.3	3250.9	2780.7	2153.8	1840.3	1552.3
110°	3324.8	3347.8	3439.8	3531.9	3439.8	3347.8	3324.8	2799.2	2098.3	1747.9	1488.2



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3277.7	3313.1	3454.3	3595.6	3454.3	3313.1	3277.7	2739.7	2022.4	1663.8	1432.3
115°	3117.7	3166.7	3362.7	3558.7	3362.7	3166.7	3117.7	2599.5	1908.5	1563.0	1368.1
117.5°	2896.8	2951.2	3168.5	3385.9	3168.5	2951.2	2896.8	2429.1	1805.6	1493.8	1328.0
120°	2748.0	2800.8	3012.0	3223.2	3012.0	2800.8	2748.0	2320.7	1750.9	1466.0	1314.4
122.5°	2599.2	2651.3	2859.6	3067.8	2859.6	2651.3	2599.2	2214.4	1701.3	1444.8	1307.3
125°	2402.3	2450.2	2642.1	2834.0	2642.1	2450.2	2402.3	2075.4	1639.6	1421.6	1301.5
127.5°	2244.2	2284.8	2446.6	2608.5	2446.6	2284.8	2244.2	1963.6	1589.3	1402.2	1298.0
130°	2144.5	2181.8	2331.4	2480.9	2331.4	2181.8	2144.5	1894.6	1561.4	1394.9	1300.2
132.5°	2059.4	2092.9	2226.8	2360.7	2226.8	2092.9	2059.4	1835.7	1537.4	1388.3	1301.5
135°	1939.2	1968.1	2083.6	2199.0	2083.6	1968.1	1939.2	1751.9	1502.2	1377.3	1300.2
137.5°	1850.5	1874.1	1968.7	2063.1	1968.7	1874.1	1850.5	1692.1	1481.0	1375.4	1308.2
140°	1779.4	1801.4	1889.7	1978.1	1889.7	1801.4	1779.4	1642.6	1460.2	1369.0	1309.6
142.5°	1729.4	1748.4	1824.4	1900.4	1824.4	1748.4	1729.4	1609.3	1449.1	1369.0	1314.3
145°	1654.6	1668.9	1726.4	1783.9	1726.4	1668.9	1654.6	1556.3	1425.2	1359.7	1314.3
147.5°	1591.7	1603.6	1651.2	1699.0	1651.2	1603.6	1591.7	1514.3	1411.3	1359.7	1323.3
150°	1555.6	1565.3	1603.9	1642.6	1603.9	1565.3	1555.6	1490.3	1403.3	1359.7	1328.1
152.5°	1527.0	1534.3	1563.4	1592.7	1563.4	1534.3	1527.0	1471.2	1396.8	1359.7	1331.1
155°	1492.8	1497.6	1516.9	1536.2	1516.9	1497.6	1492.8	1448.4	1389.2	1359.7	1337.9
157.5°	1463.2	1466.6	1480.2	1493.8	1480.2	1466.6	1463.2	1428.7	1382.7	1359.7	1344.7
160°	1448.4	1450.4	1458.2	1466.0	1458.2	1450.4	1448.4	1418.9	1379.4	1359.7	1347.7
162.5°	1434.6	1436.5	1443.8	1451.2	1443.8	1436.5	1434.6	1409.6	1376.3	1359.7	1351.1
165°	1413.3	1415.3	1423.0	1430.8	1423.0	1415.3	1413.3	1395.5	1371.6	1359.7	1355.7
167.5°	1404.0	1404.8	1408.2	1411.5	1408.2	1404.8	1404.0	1392.4	1376.8	1369.0	1365.7
170°	1404.0	1404.0	1404.0	1404.0	1404.0	1404.0	1404.0	1392.4	1376.8	1369.0	1368.8
172.5°	1396.6	1395.9	1393.1	1390.2	1393.1	1395.9	1396.6	1387.4	1375.1	1369.0	1369.0
175°	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1386.5	1380.6	1372.8	1369.0	1370.8
177.5°	1384.7	1383.9	1380.5	1377.3	1380.5	1383.9	1384.7	1380.0	1373.8	1370.8	1372.2
180°	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3	1377.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1566.5	1566.5	1566.5	1566.5	1566.5
2.5°	1547.2	1554.6	1559.1	1565.0	1579.8
5°	1487.9	1516.1	1525.0	1547.2	1573.9
7.5°	1357.5	1443.5	1467.2	1520.5	1562.0
10°	1231.5	1317.5	1359.0	1485.0	1547.2
12.5°	1167.8	1218.2	1246.4	1422.7	1526.5
15°	1127.8	1163.4	1184.1	1339.7	1502.7
17.5°	1096.7	1121.9	1136.7	1258.2	1470.1
20°	1077.4	1089.3	1102.6	1198.9	1433.1
22.5°	1064.1	1056.7	1067.0	1157.4	1382.7
25°	1055.2	1027.0	1038.9	1124.8	1323.4
27.5°	1062.6	1000.4	1004.8	1095.2	1261.2
30°	1064.1	967.7	969.2	1064.1	1191.5
32.5°	1053.7	933.7	935.1	1025.5	1113.0
35°	1028.5	893.6	892.2	981.1	1006.3
37.5°	994.4	850.7	850.7	932.2	889.2
40°	952.9	807.7	812.1	868.5	785.5
42.5°	902.5	761.7	767.7	784.0	708.4
45°	847.7	717.3	721.7	662.5	649.1
47.5°	786.9	671.3	672.8	549.8	629.8
50°	714.3	623.9	618.0	471.3	628.4
52.5°	650.6	572.1	554.3	426.8	570.6
55°	588.4	517.2	478.7	392.7	529.1
57.5°	533.5	446.1	409.0	352.7	520.2
60°	483.1	376.4	348.3	309.7	477.2
62.5°	441.6	324.6	318.6	280.1	432.7
65°	397.2	289.0	287.5	254.9	367.5
67.5°	354.2	265.3	263.8	231.2	280.1
70°	308.3	240.1	237.1	206.0	207.5
72.5°	260.8	211.9	209.0	185.2	171.9
75°	213.4	179.3	177.8	161.5	139.3
77.5°	167.5	142.3	145.2	130.4	102.3
80°	120.0	103.7	106.7	93.4	77.1
82.5°	80.0	68.2	71.1	59.3	51.9
85°	44.5	38.5	40.0	31.1	23.7
87.5°	20.7	17.8	17.8	11.9	7.4
90°	40.7	25.9	24.0	16.7	9.3
92.5°	250.9	178.4	162.7	99.8	37.0
95°	617.2	347.6	318.8	203.7	88.7
97.5°	831.3	381.8	356.4	254.9	153.4
100°	909.3	410.4	387.4	295.4	203.3
102.5°	945.0	439.1	417.6	331.8	245.9
105°	971.5	481.6	463.4	390.7	317.9
107.5°	976.3	544.4	527.5	459.7	391.9
110°	969.0	579.6	564.2	503.1	441.8



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CATALOG NUMBER: SQ4-FA-150U-075D-840-1D-UNV-STD-W-6

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	969.3	622.0	607.4	549.1	490.8
115°	978.2	685.9	672.4	618.6	564.7
117.5°	996.5	747.8	735.6	686.7	637.8
120°	1011.2	783.9	772.4	726.4	680.3
122.5°	1032.5	826.4	814.8	768.4	721.9
125°	1061.1	880.9	870.3	827.9	785.7
127.5°	1089.8	933.6	922.9	880.1	837.4
130°	1110.8	968.7	957.3	911.2	865.2
132.5°	1127.7	997.4	985.9	939.9	893.8
135°	1146.2	1030.7	1020.2	978.2	936.3
137.5°	1173.9	1073.2	1062.8	1021.3	979.8
140°	1190.8	1101.8	1092.2	1054.1	1015.9
142.5°	1205.1	1123.1	1114.3	1078.9	1043.5
145°	1223.5	1155.5	1147.8	1116.9	1086.1
147.5°	1250.6	1196.1	1188.6	1158.6	1128.6
150°	1264.7	1217.3	1210.5	1183.4	1156.4
152.5°	1274.0	1231.2	1226.1	1205.6	1185.0
155°	1294.4	1261.7	1257.9	1242.7	1227.5
157.5°	1314.7	1292.2	1288.5	1273.7	1258.9
160°	1323.9	1306.0	1303.2	1291.7	1280.3
162.5°	1333.8	1320.9	1318.7	1310.1	1301.5
165°	1347.9	1342.1	1340.1	1332.4	1324.6
167.5°	1359.1	1354.2	1353.3	1349.5	1345.9
170°	1368.3	1368.0	1367.1	1363.3	1359.7
172.5°	1369.0	1369.0	1368.8	1367.9	1367.1
175°	1374.5	1377.3	1377.3	1377.3	1377.3
177.5°	1375.1	1377.3	1377.3	1377.3	1377.3
180°	1377.3	1377.3	1377.3	1377.3	1377.3



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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	10.65	11.37	11.76	12.47	13.98	13.48	14.19	14.58	15.29	16.81
	3H	11.12	11.76	12.23	12.87	14.40	14.81	15.45	15.92	16.56	18.09
	4H	11.30	11.91	12.43	13.02	14.56	15.25	15.85	16.37	16.96	18.50
	6H	11.41	11.97	12.54	13.09	14.63	15.52	16.08	16.65	17.19	18.74
	8H	11.41	11.94	12.55	13.07	14.61	15.59	16.12	16.72	17.25	18.79
	12H	11.38	11.88	12.52	13.00	14.57	15.62	16.13	16.76	17.25	18.82
4H	2H	11.67	12.27	12.80	13.38	14.92	13.87	14.48	15.00	15.59	17.12
	3H	12.68	13.19	13.81	14.32	15.87	15.36	15.87	16.49	17.00	18.55
	4H	12.95	13.42	14.09	14.54	16.11	15.88	16.35	17.02	17.47	19.04
	6H	13.07	13.46	14.21	14.61	16.17	16.24	16.63	17.38	17.78	19.34
	8H	13.07	13.44	14.21	14.58	16.16	16.34	16.71	17.48	17.85	19.43
	12H	13.03	13.37	14.19	14.52	16.10	16.39	16.72	17.55	17.87	19.46
8H	4H	13.39	13.76	14.53	14.90	16.48	15.99	16.36	17.14	17.50	19.08
	6H	13.65	13.95	14.81	15.13	16.71	16.42	16.73	17.59	17.91	19.48
	8H	13.69	13.95	14.86	15.11	16.71	16.57	16.84	17.74	18.00	19.59
	12H	13.66	13.90	14.84	15.06	16.69	16.66	16.90	17.84	18.05	19.68
12H	4H	13.39	13.73	14.55	14.88	16.46	15.95	16.29	17.11	17.44	19.02
	6H	13.71	13.97	14.88	15.13	16.73	16.42	16.69	17.59	17.85	19.44
	8H	13.76	14.00	14.94	15.16	16.79	16.57	16.81	17.75	17.96	19.59