

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: P935420

Luminaire Tested: SQ4-FA-125U-050D-840-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935420
REPORT IS A COMBINATION OF REPORTS P933756 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-050D-840-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

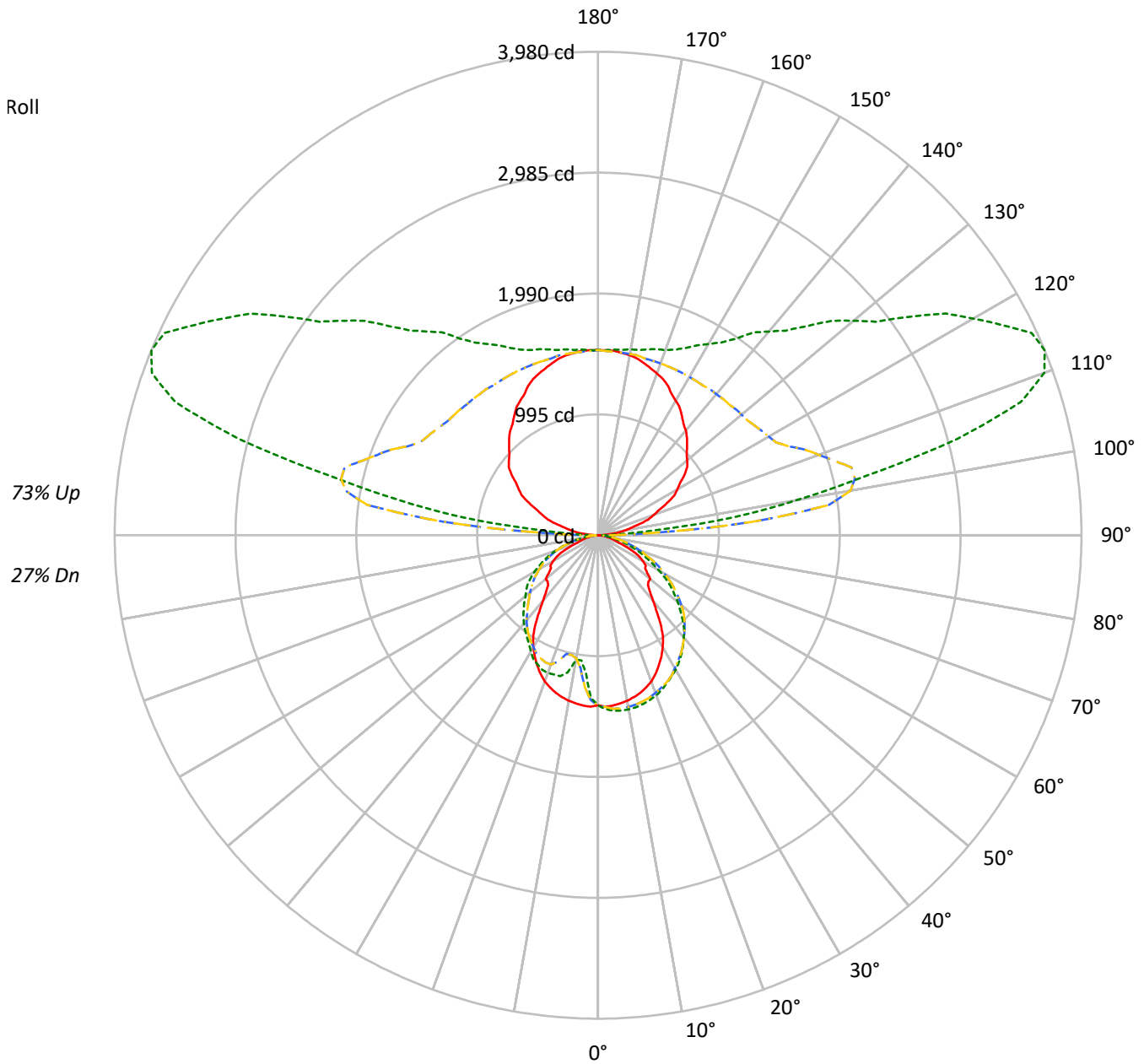
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13519.8 lumens
Efficiency: N/A
Efficacy: 142.0 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Indirect

Input Watts (W): 95.2
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				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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35				27
1	93	88	85	81	83	79	76	73	62	60	58	46	44	43	31	30	29				23
2	84	77	71	66	75	69	64	60	54	51	48	40	38	36	27	26	25				19
3	77	68	61	55	68	61	55	50	48	43	40	35	33	30	24	22	21				16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	20	18				14
5	64	53	45	40	57	48	41	36	38	33	29	28	25	22	19	17	16				12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14				10
7	55	43	35	30	49	38	32	27	30	26	22	23	20	17	16	14	12				9
8	50	39	31	26	45	35	28	24	28	23	19	21	18	15	15	12	11				8
9	47	35	28	23	42	32	25	21	25	21	17	19	16	14	13	11	10				7
10	44	32	25	20	39	29	23	19	23	19	15	18	14	12	12	10	9				7

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6499	6499	6499	6499
5°	6548	6560	6548	5158
10°	6504	6462	6504	4620
15°	6433	6322	6433	5279
20°	6298	6156	6298	5290
25°	6023	5914	6023	5178
30°	5667	5714	5667	4932
35°	5052	5460	5052	4661
40°	4210	5161	4210	4457
45°	3761	4810	3761	4222
50°	3996	4393	3996	3986
55°	3760	3943	3760	3850
60°	3876	3349	3876	3526
65°	3513	2769	3513	3094
70°	2433	2207	2433	2594
75°	2134	1631	2134	1953
80°	1719	1078	1719	1173
85°	987	572	987	486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 5765 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	0.9
10°-20°	359.0	2.7
20°-30°	555.0	4.1
30°-40°	662.5	4.9
40°-50°	666.4	4.9
50°-60°	579.8	4.3
60°-70°	411.1	3.0
70°-80°	217.5	1.6
80°-90°	60.0	0.4
90°-100°	743.1	5.5
100°-110°	1953.6	14.4
110°-120°	2025.6	15.0
120°-130°	1624.8	12.0
130°-140°	1274.9	9.4
140°-150°	978.5	7.2
150°-160°	704.7	5.2
160°-170°	431.2	3.2
170°-180°	145.7	1.1
0°-30°	1040.4	7.7
0°-40°	1702.9	12.6
0°-60°	2949.1	21.8
0°-90°	3637.7	26.9
90°-120°	4722.3	34.9
90°-150°	8600.5	63.6
90°-180°	9882.0	73.1
0°-180°	13519.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1401	1401	1401	1401	1401	
5°	1407	1451	1407	1141	1407	134
15°	1344	1438	1344	1201	1344	378
25°	1183	1341	1183	1174	1183	543
35°	900	1197	900	1022	900	557
45°	580	986	580	865	580	465
55°	473	728	473	710	473	435
65°	329	439	329	490	329	314
75°	125	208	125	249	125	131
85°	21	53	21	45	21	29
90°	10	39	10	39	10	9
95°	98	449	98	449	98	109
105°	352	3059	352	3059	352	373
115°	625	3939	625	3939	625	617
125°	870	3137	870	3137	870	772
135°	1036	2434	1036	2434	1036	802
145°	1202	1974	1202	1974	1202	753
155°	1359	1700	1359	1700	1359	624
165°	1466	1584	1466	1584	1466	414
175°	1524	1535	1524	1535	1524	145
180°	1524	1524	1524	1524	1524	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1412.6	1412.6	1420.6	1423.3	1423.3	1419.3	1415.3	1419.3	1431.2	1435.2	1433.9
5°	1407.4	1418.0	1432.6	1435.2	1437.8	1436.6	1433.9	1436.6	1449.8	1452.5	1453.7
7.5°	1396.7	1416.7	1435.2	1439.2	1443.2	1439.2	1437.8	1440.5	1453.7	1456.4	1456.4
10°	1383.5	1411.4	1432.6	1435.2	1439.2	1435.2	1435.2	1440.5	1453.7	1456.4	1457.7
12.5°	1364.9	1403.4	1423.3	1425.9	1431.2	1429.9	1428.5	1433.9	1447.1	1449.8	1449.8
15°	1343.8	1388.8	1407.4	1410.0	1419.3	1416.7	1416.7	1421.9	1436.6	1440.5	1439.2
17.5°	1314.6	1370.3	1391.5	1395.5	1402.1	1400.8	1402.1	1407.4	1420.6	1423.3	1424.6
20°	1281.4	1345.1	1370.3	1374.2	1380.8	1380.8	1380.8	1387.4	1400.8	1406.0	1406.0
22.5°	1236.4	1318.6	1345.1	1347.7	1355.7	1355.7	1358.3	1367.6	1379.5	1380.8	1380.8
25°	1183.4	1289.4	1312.0	1319.9	1327.9	1331.8	1335.8	1341.1	1345.1	1343.8	1345.1
27.5°	1127.8	1252.3	1281.4	1286.8	1297.3	1301.4	1306.6	1308.0	1309.3	1313.2	1310.7
30°	1065.5	1200.6	1244.4	1249.7	1266.9	1269.6	1264.2	1266.9	1273.5	1276.2	1278.9
32.5°	995.2	1123.8	1206.0	1217.9	1233.8	1225.8	1224.5	1228.5	1239.1	1239.1	1241.7
35°	899.8	1064.2	1170.2	1180.8	1192.7	1183.4	1188.8	1190.0	1196.7	1200.6	1199.3
37.5°	795.1	1012.5	1133.0	1141.0	1150.3	1138.4	1146.3	1150.3	1155.6	1152.9	1152.9
40°	702.4	931.6	1089.4	1094.6	1102.6	1093.3	1101.2	1103.9	1106.6	1103.9	1102.6
42.5°	633.4	842.9	1042.9	1049.6	1044.2	1050.9	1053.5	1058.8	1054.9	1049.6	1049.6
45°	580.4	819.0	992.5	1000.5	992.5	1003.2	1007.2	1007.2	995.2	992.5	991.3
47.5°	563.3	771.2	942.3	942.3	938.2	951.5	958.2	948.9	936.9	933.0	933.0
50°	561.9	718.3	873.3	868.1	886.5	902.4	895.8	886.5	877.2	862.7	862.7
52.5°	510.2	653.4	784.6	804.4	833.6	842.9	832.2	823.0	807.1	800.4	795.1
55°	473.1	585.8	703.7	743.5	773.9	785.9	766.0	756.7	732.8	728.8	726.2
57.5°	465.2	487.7	629.5	679.8	716.9	715.6	703.7	686.5	666.6	662.7	661.3
60°	426.7	352.5	549.9	609.6	648.0	644.1	633.4	617.5	599.0	596.4	593.7
62.5°	387.0	255.8	459.8	527.4	581.7	580.4	571.2	547.4	534.0	527.4	522.2
65°	328.6	214.7	327.3	438.7	516.8	519.5	499.6	482.3	467.8	459.8	458.5
67.5°	250.5	175.0	221.3	365.8	454.6	451.9	426.7	418.8	400.2	396.3	388.3
70°	185.5	116.6	153.7	296.9	393.6	387.0	367.0	357.9	340.6	331.3	326.0
72.5°	153.7	94.1	112.6	230.6	331.3	323.4	306.1	295.5	281.0	273.0	267.6
75°	124.6	99.4	86.2	170.9	269.0	263.7	247.8	237.2	225.3	214.7	216.0
77.5°	91.5	92.8	68.9	125.9	213.4	205.4	196.1	182.9	177.5	167.0	167.0
80°	68.9	72.9	51.7	86.2	153.7	153.7	145.7	136.5	127.3	121.9	121.9
82.5°	46.3	46.3	38.4	54.3	104.7	100.7	95.4	92.8	87.4	84.8	84.8
85°	21.2	26.5	23.8	33.1	57.0	59.7	59.7	57.0	55.6	53.1	54.3
87.5°	6.6	12.0	14.6	18.6	29.1	30.5	31.8	31.8	31.8	33.1	33.1
90°	10.3	18.5	26.6	28.7	45.1	66.9	77.8	69.1	51.8	38.8	38.8
92.5°	40.9	110.5	180.1	197.5	277.6	384.4	437.9	383.7	275.6	194.3	186.6
95°	98.2	225.6	352.9	384.7	683.1	1081.0	1279.9	1142.1	866.6	659.9	636.5
97.5°	169.8	282.2	394.5	422.6	920.1	1583.6	1915.2	1828.2	1654.0	1523.4	1478.8
100°	225.1	326.9	428.8	454.3	1006.4	1742.5	2110.7	2117.0	2129.7	2139.3	2086.3
102.5°	272.1	367.1	462.2	486.0	1046.0	1792.6	2165.9	2276.8	2498.8	2665.1	2619.7
105°	351.9	432.4	512.9	533.0	1075.2	1798.3	2159.8	2408.4	2905.9	3279.0	3254.6
107.5°	433.8	508.8	583.8	602.6	1080.7	1718.2	2037.0	2383.9	3077.8	3598.2	3604.1
110°	489.1	556.8	624.6	641.5	1072.6	1647.3	1934.7	2322.6	3098.3	3680.0	3705.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	543.3	607.8	672.4	688.5	1072.9	1585.3	1841.5	2238.5	3032.4	3627.8	3667.0
115°	625.1	684.7	744.2	759.1	1082.7	1514.3	1730.1	2112.4	2877.3	3450.9	3505.1
117.5°	705.9	760.1	814.1	827.6	1102.9	1469.8	1653.3	1998.4	2688.6	3206.4	3266.5
120°	753.0	803.9	854.8	867.6	1119.2	1454.8	1622.6	1938.0	2568.6	3041.7	3100.0
122.5°	799.0	850.4	901.7	914.6	1142.7	1446.9	1599.1	1883.0	2451.0	2877.0	2934.6
125°	869.6	916.5	963.3	975.0	1174.4	1440.5	1573.5	1814.8	2297.2	2659.0	2712.1
127.5°	926.9	974.3	1021.5	1033.3	1206.2	1436.7	1552.0	1759.1	2173.4	2484.0	2528.8
130°	957.6	1008.6	1059.4	1072.2	1229.4	1439.0	1543.8	1728.2	2097.0	2373.6	2415.0
132.5°	989.3	1040.3	1091.1	1103.9	1248.1	1440.5	1536.6	1701.7	2031.8	2279.4	2316.5
135°	1036.4	1082.7	1129.2	1140.7	1268.6	1439.1	1524.4	1662.6	1939.0	2146.4	2178.3
137.5°	1084.4	1130.4	1176.3	1187.8	1299.3	1448.0	1522.3	1639.2	1873.0	2048.2	2074.4
140°	1124.3	1166.6	1208.9	1219.5	1318.1	1449.5	1515.2	1616.2	1818.0	1969.5	1993.9
142.5°	1155.1	1194.2	1233.2	1243.0	1333.7	1454.7	1515.2	1603.8	1781.2	1914.2	1935.2
145°	1202.1	1236.2	1270.4	1278.9	1354.3	1454.7	1504.9	1577.4	1722.6	1831.4	1847.3
147.5°	1249.2	1282.4	1315.6	1323.9	1384.3	1464.7	1504.9	1562.0	1676.1	1761.8	1774.9
150°	1279.9	1309.9	1339.9	1347.4	1399.9	1469.9	1504.9	1553.1	1649.6	1721.9	1732.6
152.5°	1311.6	1334.3	1357.0	1362.7	1410.2	1473.3	1504.9	1546.1	1628.4	1690.2	1698.3
155°	1358.7	1375.5	1392.3	1396.5	1432.7	1480.8	1504.9	1537.7	1603.2	1652.3	1657.7
157.5°	1393.5	1409.8	1426.2	1430.2	1455.1	1488.3	1504.9	1530.4	1581.3	1619.5	1623.3
160°	1417.0	1429.7	1442.5	1445.6	1465.4	1491.8	1504.9	1526.8	1570.4	1603.1	1605.3
162.5°	1440.5	1450.0	1459.6	1461.9	1476.3	1495.3	1504.9	1523.3	1560.2	1587.8	1589.9
165°	1466.1	1474.8	1483.4	1485.6	1492.0	1500.6	1504.9	1518.2	1544.5	1564.3	1566.5
167.5°	1489.6	1493.7	1497.8	1498.8	1504.2	1511.5	1515.2	1523.8	1541.1	1554.0	1554.9
170°	1504.9	1509.1	1513.2	1514.2	1514.5	1515.0	1515.2	1523.8	1541.1	1554.0	1554.0
172.5°	1513.1	1514.0	1515.0	1515.2	1515.2	1515.2	1515.2	1522.0	1535.6	1545.9	1545.1
175°	1524.4	1524.4	1524.4	1524.4	1521.3	1517.3	1515.2	1519.5	1528.1	1534.7	1534.7
177.5°	1524.4	1524.4	1524.4	1524.4	1522.0	1518.9	1517.3	1520.6	1527.4	1532.6	1531.7
180°	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1436.6	1432.6	1436.6	1433.9	1435.2	1431.2	1419.3	1415.3	1419.3	1423.3	1423.3
5°	1453.7	1451.1	1453.7	1453.7	1452.5	1449.8	1436.6	1433.9	1436.6	1437.8	1435.2
7.5°	1459.1	1455.1	1459.1	1456.4	1456.4	1453.7	1440.5	1437.8	1439.2	1443.2	1439.2
10°	1459.1	1455.1	1459.1	1457.7	1456.4	1453.7	1440.5	1435.2	1435.2	1439.2	1435.2
12.5°	1452.5	1449.8	1452.5	1449.8	1449.8	1447.1	1433.9	1428.5	1429.9	1431.2	1425.9
15°	1441.8	1437.8	1441.8	1439.2	1440.5	1436.6	1421.9	1416.7	1416.7	1419.3	1410.0
17.5°	1425.9	1420.6	1425.9	1424.6	1423.3	1420.6	1407.4	1402.1	1400.8	1402.1	1395.5
20°	1407.4	1403.4	1407.4	1406.0	1406.0	1400.8	1387.4	1380.8	1380.8	1380.8	1374.2
22.5°	1378.3	1374.2	1378.3	1380.8	1380.8	1379.5	1367.6	1358.3	1355.7	1355.7	1347.7
25°	1345.1	1341.1	1345.1	1345.1	1343.8	1345.1	1341.1	1335.8	1331.8	1327.9	1319.9
27.5°	1313.2	1310.7	1313.2	1310.7	1313.2	1309.3	1308.0	1306.6	1301.4	1297.3	1286.8
30°	1281.4	1278.9	1281.4	1278.9	1276.2	1273.5	1266.9	1264.2	1269.6	1266.9	1249.7
32.5°	1241.7	1239.1	1241.7	1241.7	1239.1	1239.1	1228.5	1224.5	1225.8	1233.8	1217.9
35°	1200.6	1196.7	1200.6	1199.3	1200.6	1196.7	1190.0	1188.8	1183.4	1192.7	1180.8
37.5°	1152.9	1148.9	1152.9	1152.9	1152.9	1155.6	1150.3	1146.3	1138.4	1150.3	1141.0
40°	1103.9	1098.6	1103.9	1102.6	1103.9	1106.6	1103.9	1101.2	1093.3	1102.6	1094.6
42.5°	1048.3	1046.9	1048.3	1049.6	1049.6	1054.9	1058.8	1053.5	1050.9	1044.2	1049.6
45°	988.6	985.9	988.6	991.3	992.5	995.2	1007.2	1007.2	1003.2	992.5	1000.5
47.5°	925.0	918.3	925.0	933.0	933.0	936.9	948.9	958.2	951.5	938.2	942.3
50°	857.4	858.8	857.4	862.7	862.7	877.2	886.5	895.8	902.4	886.5	868.1
52.5°	791.2	789.8	791.2	795.1	800.4	807.1	823.0	832.2	842.9	833.6	804.4
55°	724.9	727.6	724.9	726.2	728.8	732.8	756.7	766.0	785.9	773.9	743.5
57.5°	658.6	654.6	658.6	661.3	662.7	666.6	686.5	703.7	715.6	716.9	679.8
60°	581.7	576.5	581.7	593.7	596.4	599.0	617.5	633.4	644.1	648.0	609.6
62.5°	514.2	504.9	514.2	522.2	527.4	534.0	547.4	571.2	580.4	581.7	527.4
65°	442.6	438.7	442.6	458.5	459.8	467.8	482.3	499.6	519.5	516.8	438.7
67.5°	377.7	377.7	377.7	388.3	396.3	400.2	418.8	426.7	451.9	454.6	365.8
70°	318.0	316.8	318.0	326.0	331.3	340.6	357.9	367.0	387.0	393.6	296.9
72.5°	261.0	259.7	261.0	267.6	273.0	281.0	295.5	306.1	323.4	331.3	230.6
75°	210.7	208.1	210.7	216.0	214.7	225.3	237.2	247.8	263.7	269.0	170.9
77.5°	161.6	161.6	161.6	167.0	167.0	177.5	182.9	196.1	205.4	213.4	125.9
80°	120.6	119.3	120.6	121.9	121.9	127.3	136.5	145.7	153.7	153.7	86.2
82.5°	84.8	82.2	84.8	84.8	84.8	87.4	92.8	95.4	100.7	104.7	54.3
85°	53.1	53.1	53.1	54.3	53.1	55.6	57.0	59.7	59.7	57.0	33.1
87.5°	34.5	33.1	34.5	33.1	33.1	31.8	31.8	31.8	30.5	29.1	18.6
90°	38.8	38.8	38.8	38.8	38.8	51.8	69.1	77.8	66.9	45.1	28.7
92.5°	155.7	124.8	155.7	186.6	194.3	275.6	383.7	437.9	384.4	277.6	197.5
95°	542.8	449.1	542.8	636.5	659.9	866.6	1142.1	1279.9	1081.0	683.1	384.7
97.5°	1300.6	1122.4	1300.6	1478.8	1523.4	1654.0	1828.2	1915.2	1583.6	920.1	422.6
100°	1873.8	1661.5	1873.8	2086.3	2139.3	2129.7	2117.0	2110.7	1742.5	1006.4	454.3
102.5°	2437.8	2255.9	2437.8	2619.7	2665.1	2498.8	2276.8	2165.9	1792.6	1046.0	486.0
105°	3156.8	3059.0	3156.8	3254.6	3279.0	2905.9	2408.4	2159.8	1798.3	1075.2	533.0
107.5°	3627.7	3651.4	3627.7	3604.1	3598.2	3077.8	2383.9	2037.0	1718.2	1080.7	602.6
110°	3807.4	3909.2	3807.4	3705.5	3680.0	3098.3	2322.6	1934.7	1647.3	1072.6	641.5



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	3823.4	3979.8	3823.4	3667.0	3627.8	3032.4	2238.5	1841.5	1585.3	1072.9	688.5
115°	3722.0	3938.9	3722.0	3505.1	3450.9	2877.3	2112.4	1730.1	1514.3	1082.7	759.1
117.5°	3507.0	3747.6	3507.0	3266.5	3206.4	2688.6	1998.4	1653.3	1469.8	1102.9	827.6
120°	3333.8	3567.5	3333.8	3100.0	3041.7	2568.6	1938.0	1622.6	1454.8	1119.2	867.6
122.5°	3165.2	3395.7	3165.2	2934.6	2877.0	2451.0	1883.0	1599.1	1446.9	1142.7	914.6
125°	2924.5	3136.8	2924.5	2712.1	2659.0	2297.2	1814.8	1573.5	1440.5	1174.4	975.0
127.5°	2708.0	2887.1	2708.0	2528.8	2484.0	2173.4	1759.1	1552.0	1436.7	1206.2	1033.3
130°	2580.5	2745.9	2580.5	2415.0	2373.6	2097.0	1728.2	1543.8	1439.0	1229.4	1072.2
132.5°	2464.8	2613.0	2464.8	2316.5	2279.4	2031.8	1701.7	1536.6	1440.5	1248.1	1103.9
135°	2306.2	2433.9	2306.2	2178.3	2146.4	1939.0	1662.6	1524.4	1439.1	1268.6	1140.7
137.5°	2178.9	2283.6	2178.9	2074.4	2048.2	1873.0	1639.2	1522.3	1448.0	1299.3	1187.8
140°	2091.7	2189.4	2091.7	1993.9	1969.5	1818.0	1616.2	1515.2	1449.5	1318.1	1219.5
142.5°	2019.3	2103.5	2019.3	1935.2	1914.2	1781.2	1603.8	1515.2	1454.7	1333.7	1243.0
145°	1910.9	1974.5	1910.9	1847.3	1831.4	1722.6	1577.4	1504.9	1454.7	1354.3	1278.9
147.5°	1827.7	1880.5	1827.7	1774.9	1761.8	1676.1	1562.0	1504.9	1464.7	1384.3	1323.9
150°	1775.3	1818.0	1775.3	1732.6	1721.9	1649.6	1553.1	1504.9	1469.9	1399.9	1347.4
152.5°	1730.5	1762.8	1730.5	1698.3	1690.2	1628.4	1546.1	1504.9	1473.3	1410.2	1362.7
155°	1679.0	1700.3	1679.0	1657.7	1652.3	1603.2	1537.7	1504.9	1480.8	1432.7	1396.5
157.5°	1638.3	1653.3	1638.3	1623.3	1619.5	1581.3	1530.4	1504.9	1488.3	1455.1	1430.2
160°	1613.9	1622.6	1613.9	1605.3	1603.1	1570.4	1526.8	1504.9	1491.8	1465.4	1445.6
162.5°	1598.1	1606.3	1598.1	1589.9	1587.8	1560.2	1523.3	1504.9	1495.3	1476.3	1461.9
165°	1575.1	1583.8	1575.1	1566.5	1564.3	1544.5	1518.2	1504.9	1500.6	1492.0	1485.6
167.5°	1558.6	1562.2	1558.6	1554.9	1554.0	1541.1	1523.8	1515.2	1511.5	1504.2	1498.8
170°	1554.0	1554.0	1554.0	1554.0	1554.0	1541.1	1523.8	1515.2	1515.0	1514.5	1514.2
172.5°	1541.9	1538.7	1541.9	1545.1	1545.9	1535.6	1522.0	1515.2	1515.2	1515.2	1515.2
175°	1534.7	1534.7	1534.7	1534.7	1534.7	1528.1	1519.5	1515.2	1517.3	1521.3	1524.4
177.5°	1528.0	1524.4	1528.0	1531.7	1532.6	1527.4	1520.6	1517.3	1518.9	1522.0	1524.4
180°	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4



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CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1420.6	1412.6	1412.6	1399.4	1394.2	1390.1	1383.5	1363.6	1358.3	1353.1	1361.0
5°	1432.6	1418.0	1407.4	1383.5	1363.6	1355.7	1330.5	1282.8	1251.0	1227.1	1213.9
7.5°	1435.2	1416.7	1396.7	1359.7	1312.0	1290.7	1213.9	1126.4	1102.6	1081.4	1068.1
10°	1432.6	1411.4	1383.5	1327.9	1215.2	1178.1	1101.2	1044.2	1029.7	1025.7	1029.7
12.5°	1423.3	1403.4	1364.9	1272.2	1114.5	1089.4	1044.2	1011.1	1008.5	1015.1	1050.9
15°	1407.4	1388.8	1343.8	1198.0	1058.8	1040.3	1008.5	996.6	1011.1	1057.6	1164.9
17.5°	1391.5	1370.3	1314.6	1125.1	1016.5	1003.2	980.7	1004.5	1086.7	1148.9	1184.7
20°	1370.3	1345.1	1281.4	1072.1	985.9	974.1	963.4	1070.8	1133.0	1155.6	1175.4
22.5°	1345.1	1318.6	1236.4	1035.0	954.1	944.9	951.5	1107.8	1133.0	1148.9	1166.1
25°	1312.0	1289.4	1183.4	1005.9	929.0	918.3	943.5	1103.9	1118.5	1122.5	1156.9
27.5°	1281.4	1252.3	1127.8	979.3	898.5	894.5	950.2	1086.7	1097.3	1101.2	1138.4
30°	1244.4	1200.6	1065.5	951.5	866.7	865.4	951.5	1065.5	1062.8	1073.5	1110.5
32.5°	1206.0	1123.8	995.2	917.1	836.2	834.9	942.3	1033.6	1031.0	1045.6	1073.5
35°	1170.2	1064.2	899.8	877.2	797.8	799.1	919.7	996.6	997.9	1011.1	1028.4
37.5°	1133.0	1012.5	795.1	833.6	760.7	760.7	889.2	962.1	959.4	963.4	987.3
40°	1089.4	931.6	702.4	776.6	726.2	722.2	852.2	925.0	915.7	914.4	947.5
42.5°	1042.9	842.9	633.4	701.1	686.5	681.1	807.1	879.9	862.7	866.7	909.1
45°	992.5	819.0	580.4	592.4	645.4	641.4	758.0	828.2	816.3	827.0	870.6
47.5°	942.3	771.2	563.3	491.6	601.7	600.3	703.7	777.9	771.2	781.9	828.2
50°	873.3	718.3	561.9	421.4	552.6	557.9	638.7	728.8	728.8	738.1	787.1
52.5°	784.6	653.4	510.2	381.7	495.6	511.5	581.7	686.5	689.1	698.4	742.1
55°	703.7	585.8	473.1	351.1	428.0	462.5	526.1	642.7	648.0	657.3	697.0
57.5°	629.5	487.7	465.2	315.4	365.8	398.9	477.1	600.3	603.0	610.9	649.3
60°	549.9	352.5	426.7	276.9	311.4	336.6	432.1	549.9	559.2	564.5	597.6
62.5°	459.8	255.8	387.0	250.5	284.9	290.2	394.9	502.3	514.2	518.2	538.1
65°	327.3	214.7	328.6	227.9	257.1	258.5	355.2	453.2	463.9	470.5	485.0
67.5°	221.3	175.0	250.5	206.7	235.9	237.2	316.8	396.3	410.8	416.1	425.4
70°	153.7	116.6	185.5	184.2	212.0	214.7	275.7	344.5	357.9	361.8	367.0
72.5°	112.6	94.1	153.7	165.7	186.8	189.5	233.3	286.2	299.5	303.5	306.1
75°	86.2	99.4	124.6	144.4	159.1	160.4	190.8	233.3	242.6	245.1	246.5
77.5°	68.9	92.8	91.5	116.6	129.8	127.3	149.8	180.2	188.2	188.2	188.2
80°	51.7	72.9	68.9	83.5	95.4	92.8	107.3	128.5	131.2	133.9	132.5
82.5°	38.4	46.3	46.3	53.1	63.6	61.0	71.5	83.5	83.5	83.5	86.2
85°	23.8	26.5	21.2	27.9	35.8	34.5	39.7	45.1	46.3	46.3	43.8
87.5°	14.6	12.0	6.6	10.6	15.9	15.9	18.6	19.9	18.6	18.6	18.6
90°	26.6	18.5	10.3	18.5	26.6	28.7	45.1	66.9	77.8	69.1	51.8
92.5°	180.1	110.5	40.9	110.5	180.1	197.5	277.6	384.4	437.9	383.7	275.6
95°	352.9	225.6	98.2	225.6	352.9	384.7	683.1	1081.0	1279.9	1142.1	866.6
97.5°	394.5	282.2	169.8	282.2	394.5	422.6	920.1	1583.6	1915.2	1828.2	1654.0
100°	428.8	326.9	225.1	326.9	428.8	454.3	1006.4	1742.5	2110.7	2117.0	2129.7
102.5°	462.2	367.1	272.1	367.1	462.2	486.0	1046.0	1792.6	2165.9	2276.8	2498.8
105°	512.9	432.4	351.9	432.4	512.9	533.0	1075.2	1798.3	2159.8	2408.4	2905.9
107.5°	583.8	508.8	433.8	508.8	583.8	602.6	1080.7	1718.2	2037.0	2383.9	3077.8
110°	624.6	556.8	489.1	556.8	624.6	641.5	1072.6	1647.3	1934.7	2322.6	3098.3



TEST NUMBER: P935420

CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	672.4	607.8	543.3	607.8	672.4	688.5	1072.9	1585.3	1841.5	2238.5	3032.4
115°	744.2	684.7	625.1	684.7	744.2	759.1	1082.7	1514.3	1730.1	2112.4	2877.3
117.5°	814.1	760.1	705.9	760.1	814.1	827.6	1102.9	1469.8	1653.3	1998.4	2688.6
120°	854.8	803.9	753.0	803.9	854.8	867.6	1119.2	1454.8	1622.6	1938.0	2568.6
122.5°	901.7	850.4	799.0	850.4	901.7	914.6	1142.7	1446.9	1599.1	1883.0	2451.0
125°	963.3	916.5	869.6	916.5	963.3	975.0	1174.4	1440.5	1573.5	1814.8	2297.2
127.5°	1021.5	974.3	926.9	974.3	1021.5	1033.3	1206.2	1436.7	1552.0	1759.1	2173.4
130°	1059.4	1008.6	957.6	1008.6	1059.4	1072.2	1229.4	1439.0	1543.8	1728.2	2097.0
132.5°	1091.1	1040.3	989.3	1040.3	1091.1	1103.9	1248.1	1440.5	1536.6	1701.7	2031.8
135°	1129.2	1082.7	1036.4	1082.7	1129.2	1140.7	1268.6	1439.1	1524.4	1662.6	1939.0
137.5°	1176.3	1130.4	1084.4	1130.4	1176.3	1187.8	1299.3	1448.0	1522.3	1639.2	1873.0
140°	1208.9	1166.6	1124.3	1166.6	1208.9	1219.5	1318.1	1449.5	1515.2	1616.2	1818.0
142.5°	1233.2	1194.2	1155.1	1194.2	1233.2	1243.0	1333.7	1454.7	1515.2	1603.8	1781.2
145°	1270.4	1236.2	1202.1	1236.2	1270.4	1278.9	1354.3	1454.7	1504.9	1577.4	1722.6
147.5°	1315.6	1282.4	1249.2	1282.4	1315.6	1323.9	1384.3	1464.7	1504.9	1562.0	1676.1
150°	1339.9	1309.9	1279.9	1309.9	1339.9	1347.4	1399.9	1469.9	1504.9	1553.1	1649.6
152.5°	1357.0	1334.3	1311.6	1334.3	1357.0	1362.7	1410.2	1473.3	1504.9	1546.1	1628.4
155°	1392.3	1375.5	1358.7	1375.5	1392.3	1396.5	1432.7	1480.8	1504.9	1537.7	1603.2
157.5°	1426.2	1409.8	1393.5	1409.8	1426.2	1430.2	1455.1	1488.3	1504.9	1530.4	1581.3
160°	1442.5	1429.7	1417.0	1429.7	1442.5	1445.6	1465.4	1491.8	1504.9	1526.8	1570.4
162.5°	1459.6	1450.0	1440.5	1450.0	1459.6	1461.9	1476.3	1495.3	1504.9	1523.3	1560.2
165°	1483.4	1474.8	1466.1	1474.8	1483.4	1485.6	1492.0	1500.6	1504.9	1518.2	1544.5
167.5°	1497.8	1493.7	1489.6	1493.7	1497.8	1498.8	1504.2	1511.5	1515.2	1523.8	1541.1
170°	1513.2	1509.1	1504.9	1509.1	1513.2	1514.2	1514.5	1515.0	1515.2	1523.8	1541.1
172.5°	1515.0	1514.0	1513.1	1514.0	1515.0	1515.2	1515.2	1515.2	1515.2	1522.0	1535.6
175°	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1521.3	1517.3	1515.2	1519.5	1528.1
177.5°	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1522.0	1518.9	1517.3	1520.6	1527.4
180°	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1351.7	1347.7	1353.1	1338.4	1353.1	1347.7	1351.7	1361.0	1353.1	1358.3	1363.6
5°	1186.1	1179.5	1158.2	1141.0	1158.2	1179.5	1186.1	1213.9	1227.1	1251.0	1282.8
7.5°	1060.1	1054.9	1049.6	1039.0	1049.6	1054.9	1060.1	1068.1	1081.4	1102.6	1126.4
10°	1032.4	1033.6	1041.6	1040.3	1041.6	1033.6	1032.4	1029.7	1025.7	1029.7	1044.2
12.5°	1103.9	1115.8	1159.5	1156.9	1159.5	1115.8	1103.9	1050.9	1015.1	1008.5	1011.1
15°	1186.1	1190.0	1199.3	1200.6	1199.3	1190.0	1186.1	1164.9	1057.6	1011.1	996.6
17.5°	1194.0	1195.4	1202.0	1202.0	1202.0	1195.4	1194.0	1184.7	1148.9	1086.7	1004.5
20°	1187.4	1190.0	1203.3	1206.0	1203.3	1190.0	1187.4	1175.4	1155.6	1133.0	1070.8
22.5°	1184.7	1190.0	1200.6	1199.3	1200.6	1190.0	1184.7	1166.1	1148.9	1133.0	1107.8
25°	1171.5	1171.5	1172.9	1174.1	1172.9	1171.5	1171.5	1156.9	1122.5	1118.5	1103.9
27.5°	1143.6	1146.3	1154.3	1152.9	1154.3	1146.3	1143.6	1138.4	1101.2	1097.3	1086.7
30°	1118.5	1115.8	1109.2	1103.9	1109.2	1115.8	1118.5	1110.5	1073.5	1062.8	1065.5
32.5°	1076.0	1069.4	1062.8	1058.8	1062.8	1069.4	1076.0	1073.5	1045.6	1031.0	1033.6
35°	1025.7	1027.0	1025.7	1021.7	1025.7	1027.0	1025.7	1028.4	1011.1	997.9	996.6
37.5°	990.0	992.5	991.3	985.9	991.3	992.5	990.0	987.3	963.4	959.4	962.1
40°	952.8	954.1	952.8	948.9	952.8	954.1	952.8	947.5	914.4	915.7	925.0
42.5°	917.1	915.7	911.7	909.1	911.7	915.7	917.1	909.1	866.7	862.7	879.9
45°	876.0	877.2	869.3	865.4	869.3	877.2	876.0	870.6	827.0	816.3	828.2
47.5°	834.9	834.9	828.2	824.3	828.2	834.9	834.9	828.2	781.9	771.2	777.9
50°	791.2	789.8	780.5	779.2	780.5	789.8	791.2	787.1	738.1	728.8	728.8
52.5°	740.8	740.8	742.1	744.8	742.1	740.8	740.8	742.1	698.4	689.1	686.5
55°	697.0	698.4	707.7	710.3	707.7	698.4	697.0	697.0	657.3	648.0	642.7
57.5°	652.0	652.0	658.6	658.6	658.6	652.0	652.0	649.3	610.9	603.0	600.3
60°	600.3	603.0	608.3	606.9	608.3	603.0	600.3	597.6	564.5	559.2	549.9
62.5°	546.0	548.6	549.9	547.4	549.9	548.6	546.0	538.1	518.2	514.2	502.3
65°	489.0	491.6	493.0	490.3	493.0	491.6	489.0	485.0	470.5	463.9	453.2
67.5°	430.7	429.4	428.0	433.3	428.0	429.4	430.7	425.4	416.1	410.8	396.3
70°	371.1	371.1	369.7	372.4	369.7	371.1	371.1	367.0	361.8	357.9	344.5
72.5°	307.5	306.1	311.4	307.5	311.4	306.1	307.5	306.1	303.5	299.5	286.2
75°	245.1	247.8	245.1	249.2	245.1	247.8	245.1	246.5	245.1	242.6	233.3
77.5°	186.8	189.5	186.8	186.8	186.8	189.5	186.8	188.2	188.2	188.2	180.2
80°	132.5	131.2	131.2	129.8	131.2	131.2	132.5	132.5	133.9	131.2	128.5
82.5°	84.8	83.5	83.5	86.2	83.5	83.5	84.8	86.2	83.5	83.5	83.5
85°	46.3	47.7	45.1	45.1	45.1	47.7	46.3	43.8	46.3	46.3	45.1
87.5°	17.2	15.9	15.9	15.9	15.9	15.9	17.2	18.6	18.6	18.6	19.9
90°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	51.8	69.1	77.8	66.9
92.5°	194.3	186.6	155.7	124.8	155.7	186.6	194.3	275.6	383.7	437.9	384.4
95°	659.9	636.5	542.8	449.1	542.8	636.5	659.9	866.6	1142.1	1279.9	1081.0
97.5°	1523.4	1478.8	1300.6	1122.4	1300.6	1478.8	1523.4	1654.0	1828.2	1915.2	1583.6
100°	2139.3	2086.3	1873.8	1661.5	1873.8	2086.3	2139.3	2129.7	2117.0	2110.7	1742.5
102.5°	2665.1	2619.7	2437.8	2255.9	2437.8	2619.7	2665.1	2498.8	2276.8	2165.9	1792.6
105°	3279.0	3254.6	3156.8	3059.0	3156.8	3254.6	3279.0	2905.9	2408.4	2159.8	1798.3
107.5°	3598.2	3604.1	3627.7	3651.4	3627.7	3604.1	3598.2	3077.8	2383.9	2037.0	1718.2
110°	3680.0	3705.5	3807.4	3909.2	3807.4	3705.5	3680.0	3098.3	2322.6	1934.7	1647.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	3627.8	3667.0	3823.4	3979.8	3823.4	3667.0	3627.8	3032.4	2238.5	1841.5	1585.3
115°	3450.9	3505.1	3722.0	3938.9	3722.0	3505.1	3450.9	2877.3	2112.4	1730.1	1514.3
117.5°	3206.4	3266.5	3507.0	3747.6	3507.0	3266.5	3206.4	2688.6	1998.4	1653.3	1469.8
120°	3041.7	3100.0	3333.8	3567.5	3333.8	3100.0	3041.7	2568.6	1938.0	1622.6	1454.8
122.5°	2877.0	2934.6	3165.2	3395.7	3165.2	2934.6	2877.0	2451.0	1883.0	1599.1	1446.9
125°	2659.0	2712.1	2924.5	3136.8	2924.5	2712.1	2659.0	2297.2	1814.8	1573.5	1440.5
127.5°	2484.0	2528.8	2708.0	2887.1	2708.0	2528.8	2484.0	2173.4	1759.1	1552.0	1436.7
130°	2373.6	2415.0	2580.5	2745.9	2580.5	2415.0	2373.6	2097.0	1728.2	1543.8	1439.0
132.5°	2279.4	2316.5	2464.8	2613.0	2464.8	2316.5	2279.4	2031.8	1701.7	1536.6	1440.5
135°	2146.4	2178.3	2306.2	2433.9	2306.2	2178.3	2146.4	1939.0	1662.6	1524.4	1439.1
137.5°	2048.2	2074.4	2178.9	2283.6	2178.9	2074.4	2048.2	1873.0	1639.2	1522.3	1448.0
140°	1969.5	1993.9	2091.7	2189.4	2091.7	1993.9	1969.5	1818.0	1616.2	1515.2	1449.5
142.5°	1914.2	1935.2	2019.3	2103.5	2019.3	1935.2	1914.2	1781.2	1603.8	1515.2	1454.7
145°	1831.4	1847.3	1910.9	1974.5	1910.9	1847.3	1831.4	1722.6	1577.4	1504.9	1454.7
147.5°	1761.8	1774.9	1827.7	1880.5	1827.7	1774.9	1761.8	1676.1	1562.0	1504.9	1464.7
150°	1721.9	1732.6	1775.3	1818.0	1775.3	1732.6	1721.9	1649.6	1553.1	1504.9	1469.9
152.5°	1690.2	1698.3	1730.5	1762.8	1730.5	1698.3	1690.2	1628.4	1546.1	1504.9	1473.3
155°	1652.3	1657.7	1679.0	1700.3	1679.0	1657.7	1652.3	1603.2	1537.7	1504.9	1480.8
157.5°	1619.5	1623.3	1638.3	1653.3	1638.3	1623.3	1619.5	1581.3	1530.4	1504.9	1488.3
160°	1603.1	1605.3	1613.9	1622.6	1613.9	1605.3	1603.1	1570.4	1526.8	1504.9	1491.8
162.5°	1587.8	1589.9	1598.1	1606.3	1598.1	1589.9	1587.8	1560.2	1523.3	1504.9	1495.3
165°	1564.3	1566.5	1575.1	1583.8	1575.1	1566.5	1564.3	1544.5	1518.2	1504.9	1500.6
167.5°	1554.0	1554.9	1558.6	1562.2	1558.6	1554.9	1554.0	1541.1	1523.8	1515.2	1511.5
170°	1554.0	1554.0	1554.0	1554.0	1554.0	1554.0	1554.0	1541.1	1523.8	1515.2	1515.0
172.5°	1545.9	1545.1	1541.9	1538.7	1541.9	1545.1	1545.9	1535.6	1522.0	1515.2	1515.2
175°	1534.7	1534.7	1534.7	1534.7	1534.7	1534.7	1534.7	1528.1	1519.5	1515.2	1517.3
177.5°	1532.6	1531.7	1528.0	1524.4	1528.0	1531.7	1532.6	1527.4	1520.6	1517.3	1518.9
180°	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4	1524.4



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1383.5	1390.1	1394.2	1399.4	1412.6
5°	1330.5	1355.7	1363.6	1383.5	1407.4
7.5°	1213.9	1290.7	1312.0	1359.7	1396.7
10°	1101.2	1178.1	1215.2	1327.9	1383.5
12.5°	1044.2	1089.4	1114.5	1272.2	1364.9
15°	1008.5	1040.3	1058.8	1198.0	1343.8
17.5°	980.7	1003.2	1016.5	1125.1	1314.6
20°	963.4	974.1	985.9	1072.1	1281.4
22.5°	951.5	944.9	954.1	1035.0	1236.4
25°	943.5	918.3	929.0	1005.9	1183.4
27.5°	950.2	894.5	898.5	979.3	1127.8
30°	951.5	865.4	866.7	951.5	1065.5
32.5°	942.3	834.9	836.2	917.1	995.2
35°	919.7	799.1	797.8	877.2	899.8
37.5°	889.2	760.7	760.7	833.6	795.1
40°	852.2	722.2	726.2	776.6	702.4
42.5°	807.1	681.1	686.5	701.1	633.4
45°	758.0	641.4	645.4	592.4	580.4
47.5°	703.7	600.3	601.7	491.6	563.3
50°	638.7	557.9	552.6	421.4	561.9
52.5°	581.7	511.5	495.6	381.7	510.2
55°	526.1	462.5	428.0	351.1	473.1
57.5°	477.1	398.9	365.8	315.4	465.2
60°	432.1	336.6	311.4	276.9	426.7
62.5°	394.9	290.2	284.9	250.5	387.0
65°	355.2	258.5	257.1	227.9	328.6
67.5°	316.8	237.2	235.9	206.7	250.5
70°	275.7	214.7	212.0	184.2	185.5
72.5°	233.3	189.5	186.8	165.7	153.7
75°	190.8	160.4	159.1	144.4	124.6
77.5°	149.8	127.3	129.8	116.6	91.5
80°	107.3	92.8	95.4	83.5	68.9
82.5°	71.5	61.0	63.6	53.1	46.3
85°	39.7	34.5	35.8	27.9	21.2
87.5°	18.6	15.9	15.9	10.6	6.6
90°	45.1	28.7	26.6	18.5	10.3
92.5°	277.6	197.5	180.1	110.5	40.9
95°	683.1	384.7	352.9	225.6	98.2
97.5°	920.1	422.6	394.5	282.2	169.8
100°	1006.4	454.3	428.8	326.9	225.1
102.5°	1046.0	486.0	462.2	367.1	272.1
105°	1075.2	533.0	512.9	432.4	351.9
107.5°	1080.7	602.6	583.8	508.8	433.8
110°	1072.6	641.5	624.6	556.8	489.1



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CATALOG NUMBER: SQ4-FA-125U-050D-840-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	1072.9	688.5	672.4	607.8	543.3
115°	1082.7	759.1	744.2	684.7	625.1
117.5°	1102.9	827.6	814.1	760.1	705.9
120°	1119.2	867.6	854.8	803.9	753.0
122.5°	1142.7	914.6	901.7	850.4	799.0
125°	1174.4	975.0	963.3	916.5	869.6
127.5°	1206.2	1033.3	1021.5	974.3	926.9
130°	1229.4	1072.2	1059.4	1008.6	957.6
132.5°	1248.1	1103.9	1091.1	1040.3	989.3
135°	1268.6	1140.7	1129.2	1082.7	1036.4
137.5°	1299.3	1187.8	1176.3	1130.4	1084.4
140°	1318.1	1219.5	1208.9	1166.6	1124.3
142.5°	1333.7	1243.0	1233.2	1194.2	1155.1
145°	1354.3	1278.9	1270.4	1236.2	1202.1
147.5°	1384.3	1323.9	1315.6	1282.4	1249.2
150°	1399.9	1347.4	1339.9	1309.9	1279.9
152.5°	1410.2	1362.7	1357.0	1334.3	1311.6
155°	1432.7	1396.5	1392.3	1375.5	1358.7
157.5°	1455.1	1430.2	1426.2	1409.8	1393.5
160°	1465.4	1445.6	1442.5	1429.7	1417.0
162.5°	1476.3	1461.9	1459.6	1450.0	1440.5
165°	1492.0	1485.6	1483.4	1474.8	1466.1
167.5°	1504.2	1498.8	1497.8	1493.7	1489.6
170°	1514.5	1514.2	1513.2	1509.1	1504.9
172.5°	1515.2	1515.2	1515.0	1514.0	1513.1
175°	1521.3	1524.4	1524.4	1524.4	1524.4
177.5°	1522.0	1524.4	1524.4	1524.4	1524.4
180°	1524.4	1524.4	1524.4	1524.4	1524.4



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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	8.66	9.34	9.79	10.47	12.03	11.49	12.18	12.63	13.30	14.87
	3H	9.12	9.73	10.26	10.86	12.45	12.83	13.44	13.97	14.57	16.16
	4H	9.30	9.88	10.45	11.02	12.60	13.26	13.85	14.41	14.98	16.57
	6H	9.41	9.95	10.57	11.08	12.68	13.54	14.08	14.70	15.21	16.81
	8H	9.41	9.92	10.57	11.07	12.66	13.61	14.12	14.77	15.27	16.86
	12H	9.37	9.86	10.54	11.00	12.61	13.65	14.13	14.81	15.27	16.89
4H	2H	9.67	10.25	10.83	11.38	12.97	11.88	12.46	13.04	13.60	15.18
	3H	10.68	11.16	11.84	12.32	13.92	13.37	13.86	14.53	15.02	16.62
	4H	10.95	11.39	12.11	12.54	14.16	13.89	14.34	15.06	15.49	17.11
	6H	11.06	11.44	12.23	12.61	14.22	14.25	14.63	15.42	15.80	17.41
	8H	11.06	11.42	12.23	12.58	14.21	14.35	14.71	15.52	15.87	17.50
	12H	11.02	11.35	12.21	12.52	14.15	14.40	14.73	15.59	15.90	17.53
8H	4H	11.39	11.74	12.56	12.91	14.53	14.00	14.36	15.17	15.52	17.15
	6H	11.64	11.94	12.83	13.14	14.76	14.43	14.73	15.62	15.93	17.55
	8H	11.68	11.94	12.88	13.12	14.76	14.59	14.84	15.78	16.02	17.67
	12H	11.66	11.88	12.86	13.06	14.74	14.68	14.90	15.88	16.08	17.76
12H	4H	11.38	11.71	12.57	12.88	14.51	13.96	14.28	15.14	15.46	17.09
	6H	11.70	11.96	12.90	13.14	14.78	14.43	14.69	15.62	15.87	17.51
	8H	11.76	11.98	12.96	13.16	14.84	14.58	14.81	15.78	15.99	17.66