

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: P935770

Luminaire Tested: SQ4-FA-125U-125D-935-1D-UNV-STD-W-4

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935770
REPORT IS A COMBINATION OF REPORTS P933766 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-125U-125D-935-1D-UNV-STD-W-4
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

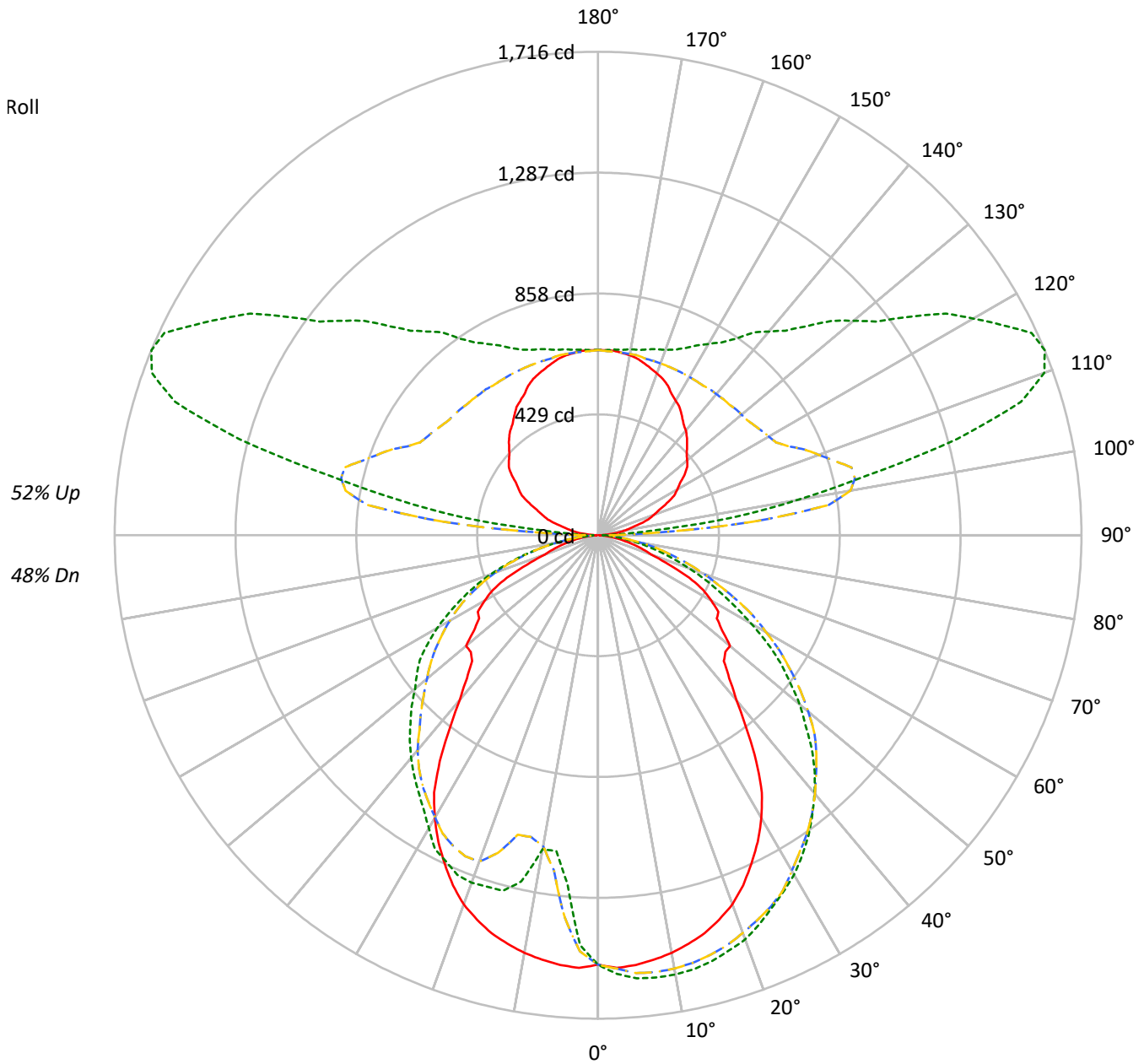
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8215.0 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 4' x H: 0.1')
CIE Type: General Diffuse

Input Watts (W): 75.2
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

TEST NUMBER: P935770
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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - - - 135°-315°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	107	107	107	107	98	98	98	98	82	82	82	68	68	68	54	54	54	48	48	48	48
1	97	93	89	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41	41	41	41
2	89	81	75	70	81	75	70	65	63	59	56	52	50	47	42	41	39	34	34	34	34
3	81	71	64	58	74	66	60	55	56	51	47	46	43	40	38	35	33	29	29	29	29
4	74	63	55	49	68	59	52	46	50	44	40	41	37	34	34	31	28	25	25	25	25
5	68	56	48	42	62	52	45	40	44	39	35	37	33	30	30	27	25	21	21	21	21
6	63	50	42	37	57	47	40	34	40	34	30	33	29	26	27	24	22	19	19	19	19
7	58	45	38	32	53	42	35	30	36	31	26	30	26	23	25	22	19	17	17	17	17
8	54	41	34	28	49	38	31	27	33	27	23	28	23	20	23	20	17	15	15	15	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	16	13	13	13	13
10	47	34	27	22	43	32	26	21	28	22	19	24	19	16	20	16	14	12	12	12	12

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14142	14142	14142	14142
5°	14232	14275	14232	11225
10°	14121	14062	14121	10054
15°	13951	13757	13951	11488
20°	13644	13397	13644	11512
25°	13030	12870	13030	11268
30°	12244	12433	12244	10733
35°	10899	11880	10899	10144
40°	9067	11230	9067	9699
45°	8085	10468	8085	9187
50°	8569	9559	8569	8674
55°	8041	8581	8041	8377
60°	8259	7287	8259	7673
65°	7452	6025	7452	6734
70°	5123	4801	5123	5644
75°	4447	3549	4447	4250
80°	3510	2347	3510	2555
85°	1913	1243	1913	1056

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12415 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.6	1.7
10°-20°	390.6	4.8
20°-30°	603.8	7.4
30°-40°	720.8	8.8
40°-50°	725.0	8.8
50°-60°	630.9	7.7
60°-70°	447.3	5.4
70°-80°	236.6	2.9
80°-90°	61.4	0.7
90°-100°	320.4	3.9
100°-110°	842.3	10.3
110°-120°	873.4	10.6
120°-130°	700.6	8.5
130°-140°	549.7	6.7
140°-150°	421.9	5.1
150°-160°	303.9	3.7
160°-170°	185.9	2.3
170°-180°	62.8	0.8
0°-30°	1132.0	13.8
0°-40°	1852.8	22.6
0°-60°	3208.7	39.1
0°-90°	3954.1	48.1
90°-120°	2036.1	24.8
90°-150°	3708.3	45.1
90°-180°	4261.0	51.9
0°-180°	8215.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1524	1524	1524	1524	1524	
5°	1531	1579	1531	1241	1531	145
15°	1462	1564	1462	1306	1462	411
25°	1288	1459	1288	1278	1288	591
35°	979	1302	979	1112	979	606
45°	632	1073	632	942	632	506
55°	515	792	515	773	515	473
65°	358	477	358	534	358	342
75°	136	226	136	271	136	142
85°	23	58	23	49	23	31
90°	4	17	4	17	4	5
95°	42	194	42	194	42	47
105°	152	1319	152	1319	152	161
115°	270	1698	270	1698	270	266
125°	375	1352	375	1352	375	333
135°	447	1049	447	1049	447	346
145°	518	851	518	851	518	325
155°	586	733	586	733	586	269
165°	632	683	632	683	632	178
175°	657	662	657	662	657	62
180°	657	657	657	657	657	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1
2.5°	1537.0	1537.0	1545.7	1548.6	1548.6	1544.2	1539.9	1544.2	1557.2	1561.5	1560.1
5°	1531.2	1542.8	1558.6	1561.5	1564.4	1563.0	1560.1	1563.0	1577.4	1580.3	1581.7
7.5°	1519.7	1541.4	1561.5	1565.9	1570.2	1565.9	1564.4	1567.3	1581.7	1584.6	1584.6
10°	1505.3	1535.6	1558.6	1561.5	1565.9	1561.5	1561.5	1567.3	1581.7	1584.6	1586.1
12.5°	1485.1	1527.0	1548.6	1551.4	1557.2	1555.8	1554.3	1560.1	1574.5	1577.4	1577.4
15°	1462.0	1511.1	1531.2	1534.1	1544.2	1541.4	1541.4	1547.1	1563.0	1567.3	1565.9
17.5°	1430.3	1490.9	1513.9	1518.3	1525.5	1524.1	1525.5	1531.2	1545.7	1548.6	1550.0
20°	1394.3	1463.5	1490.9	1495.2	1502.4	1502.4	1502.4	1509.7	1524.1	1529.9	1529.9
22.5°	1345.2	1434.7	1463.5	1466.4	1475.0	1475.0	1477.9	1488.0	1501.0	1502.4	1502.4
25°	1287.5	1402.9	1427.4	1436.1	1444.7	1449.1	1453.4	1459.1	1463.5	1462.0	1463.5
27.5°	1227.1	1362.5	1394.3	1400.0	1411.6	1415.9	1421.6	1423.1	1424.5	1428.9	1426.0
30°	1159.2	1306.3	1353.9	1359.7	1378.5	1381.3	1375.6	1378.5	1385.6	1388.5	1391.4
32.5°	1082.8	1222.7	1312.1	1325.0	1342.4	1333.7	1332.3	1336.6	1348.1	1348.1	1351.0
35°	979.0	1157.8	1273.1	1284.7	1297.7	1287.5	1293.3	1294.8	1302.0	1306.3	1304.9
37.5°	865.1	1101.6	1232.8	1241.4	1251.5	1238.6	1247.2	1251.5	1257.3	1254.4	1254.4
40°	764.2	1013.6	1185.2	1191.0	1199.6	1189.6	1198.2	1201.1	1204.0	1201.1	1199.6
42.5°	689.2	917.0	1134.8	1141.9	1136.1	1143.4	1146.3	1152.1	1147.7	1141.9	1141.9
45°	631.5	891.1	1079.9	1088.6	1079.9	1091.5	1095.8	1095.8	1082.8	1079.9	1078.5
47.5°	612.8	839.1	1025.1	1025.1	1020.9	1035.3	1042.4	1032.4	1019.4	1015.1	1015.1
50°	611.3	781.5	950.2	944.4	964.6	981.9	974.7	964.6	954.5	938.6	938.6
52.5°	555.1	710.8	853.6	875.2	907.0	917.0	905.5	895.4	878.1	870.9	865.1
55°	514.8	637.3	765.6	808.9	842.0	855.0	833.4	823.3	797.4	793.0	790.1
57.5°	506.1	530.6	684.9	739.7	780.0	778.6	765.6	746.9	725.2	721.0	719.5
60°	464.3	383.6	598.4	663.3	705.0	700.8	689.2	671.9	651.7	648.8	646.0
62.5°	421.1	278.3	500.3	573.8	633.0	631.5	621.4	595.5	581.1	573.8	568.1
65°	357.6	233.6	356.1	477.3	562.3	565.2	543.6	524.8	509.0	500.3	498.8
67.5°	272.5	190.3	240.8	398.0	494.6	491.7	464.3	455.6	435.5	431.1	422.5
70°	201.8	126.9	167.2	323.0	428.2	421.1	399.4	389.3	370.5	360.5	354.7
72.5°	167.2	102.4	122.5	250.9	360.5	351.8	333.0	321.5	305.7	297.0	291.2
75°	135.6	108.1	93.7	186.0	292.7	287.0	269.7	258.1	245.1	233.6	235.0
77.5°	99.5	101.0	75.0	137.0	232.2	223.5	213.4	198.9	193.2	181.6	181.6
80°	75.0	79.3	56.2	93.7	167.2	167.2	158.6	148.5	138.4	132.7	132.7
82.5°	50.4	50.4	41.8	59.1	113.9	109.6	103.8	101.0	95.2	92.3	92.3
85°	23.1	28.8	26.0	36.0	62.0	64.9	64.9	62.0	60.6	57.7	59.1
87.5°	7.2	13.0	15.8	20.2	31.7	33.1	34.6	34.6	34.6	36.0	36.0
90°	4.4	7.9	11.5	12.4	19.4	28.8	33.5	29.7	22.3	16.8	16.8
92.5°	17.6	47.6	77.6	85.1	119.7	165.8	188.8	165.5	118.9	83.8	80.5
95°	42.3	97.2	152.2	165.9	294.5	466.0	551.8	492.5	373.7	284.6	274.4
97.5°	73.2	121.6	170.1	182.2	396.7	682.7	825.8	788.2	713.1	656.8	637.6
100°	97.0	141.0	184.9	195.9	433.9	751.3	910.0	912.7	918.3	922.4	899.5
102.5°	117.3	158.3	199.3	209.5	451.0	772.9	933.9	981.8	1077.4	1149.2	1129.6
105°	151.7	186.5	221.2	229.9	463.7	775.4	931.2	1038.5	1253.0	1413.8	1403.2
107.5°	187.0	219.4	251.8	259.9	466.0	740.9	878.3	1027.9	1327.1	1551.4	1554.0
110°	210.9	240.1	269.2	276.6	462.5	710.3	834.2	1001.4	1335.9	1586.8	1597.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	234.2	262.1	289.9	296.8	462.6	683.6	794.1	965.2	1307.6	1564.3	1581.1
115°	269.5	295.2	320.9	327.3	466.9	652.9	745.9	910.8	1240.6	1487.9	1511.3
117.5°	304.4	327.8	351.1	356.9	475.6	633.8	712.9	861.6	1159.2	1382.5	1408.4
120°	324.7	346.7	368.7	374.1	482.7	627.3	699.7	835.6	1107.5	1311.5	1336.7
122.5°	344.5	366.7	388.9	394.4	492.8	623.9	689.5	812.0	1056.8	1240.4	1265.3
125°	375.0	395.2	415.4	420.4	506.4	621.1	678.4	782.5	990.4	1146.5	1169.4
127.5°	399.7	420.0	440.4	445.5	520.1	619.5	669.2	758.5	937.1	1071.0	1090.4
130°	412.9	434.9	456.8	462.3	530.1	620.5	665.7	745.2	904.1	1023.4	1041.2
132.5°	426.6	448.6	470.6	476.0	538.2	621.1	662.6	733.7	876.1	982.9	998.8
135°	446.9	466.9	486.8	491.9	547.0	620.5	657.3	717.0	836.2	925.5	939.3
137.5°	467.6	487.3	507.2	512.1	560.2	624.3	656.4	706.7	807.5	883.1	894.3
140°	484.8	503.0	521.3	525.9	568.4	625.0	653.3	696.9	783.9	849.2	859.8
142.5°	498.0	514.9	531.7	536.0	575.1	627.2	653.3	691.6	768.0	825.3	834.4
145°	518.4	533.0	547.8	551.4	583.9	627.2	648.9	680.2	742.7	789.6	796.5
147.5°	538.6	552.9	567.3	570.8	596.8	631.5	648.9	673.5	722.8	759.6	765.4
150°	551.8	564.8	577.7	581.0	603.6	633.8	648.9	669.7	711.2	742.4	747.0
152.5°	565.6	575.4	585.2	587.6	608.1	635.3	648.9	666.6	702.1	728.7	732.2
155°	585.8	593.1	600.3	602.1	617.7	638.5	648.9	663.0	691.2	712.4	714.7
157.5°	600.8	607.9	614.9	616.7	627.4	641.7	648.9	659.9	681.9	698.3	699.9
160°	611.0	616.4	622.0	623.3	631.8	643.2	648.9	658.3	677.1	691.2	692.2
162.5°	621.1	625.2	629.4	630.4	636.5	644.8	648.9	656.8	672.7	684.7	685.5
165°	632.1	635.8	639.6	640.5	643.3	647.0	648.9	654.6	665.9	674.4	675.4
167.5°	642.3	644.0	645.8	646.2	648.6	651.8	653.3	657.1	664.5	670.1	670.5
170°	648.9	650.7	652.5	652.9	653.1	653.2	653.3	657.1	664.5	670.1	670.1
172.5°	652.5	652.8	653.2	653.3	653.3	653.3	653.3	656.2	662.1	666.5	666.2
175°	657.3	657.3	657.3	657.3	656.0	654.2	653.3	655.2	658.9	661.7	661.7
177.5°	657.3	657.3	657.3	657.3	656.3	654.8	654.2	655.6	658.6	660.8	660.4
180°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1
2.5°	1563.0	1558.6	1563.0	1560.1	1561.5	1557.2	1544.2	1539.9	1544.2	1548.6	1548.6
5°	1581.7	1578.8	1581.7	1581.7	1580.3	1577.4	1563.0	1560.1	1563.0	1564.4	1561.5
7.5°	1587.4	1583.2	1587.4	1584.6	1584.6	1581.7	1567.3	1564.4	1565.9	1570.2	1565.9
10°	1587.4	1583.2	1587.4	1586.1	1584.6	1581.7	1567.3	1561.5	1561.5	1565.9	1561.5
12.5°	1580.3	1577.4	1580.3	1577.4	1577.4	1574.5	1560.1	1554.3	1555.8	1557.2	1551.4
15°	1568.7	1564.4	1568.7	1565.9	1567.3	1563.0	1547.1	1541.4	1541.4	1544.2	1534.1
17.5°	1551.4	1545.7	1551.4	1550.0	1548.6	1545.7	1531.2	1525.5	1524.1	1525.5	1518.3
20°	1531.2	1527.0	1531.2	1529.9	1529.9	1524.1	1509.7	1502.4	1502.4	1502.4	1495.2
22.5°	1499.5	1495.2	1499.5	1502.4	1502.4	1501.0	1488.0	1477.9	1475.0	1475.0	1466.4
25°	1463.5	1459.1	1463.5	1463.5	1462.0	1463.5	1459.1	1453.4	1449.1	1444.7	1436.1
27.5°	1428.9	1426.0	1428.9	1426.0	1428.9	1424.5	1423.1	1421.6	1415.9	1411.6	1400.0
30°	1394.3	1391.4	1394.3	1391.4	1388.5	1385.6	1378.5	1375.6	1381.3	1378.5	1359.7
32.5°	1351.0	1348.1	1351.0	1351.0	1348.1	1348.1	1336.6	1332.3	1333.7	1342.4	1325.0
35°	1306.3	1302.0	1306.3	1304.9	1306.3	1302.0	1294.8	1293.3	1287.5	1297.7	1284.7
37.5°	1254.4	1250.1	1254.4	1254.4	1254.4	1257.3	1251.5	1247.2	1238.6	1251.5	1241.4
40°	1201.1	1195.3	1201.1	1199.6	1201.1	1204.0	1201.1	1198.2	1189.6	1199.6	1191.0
42.5°	1140.5	1139.0	1140.5	1141.9	1141.9	1147.7	1152.1	1146.3	1143.4	1136.1	1141.9
45°	1075.6	1072.8	1075.6	1078.5	1079.9	1082.8	1095.8	1095.8	1091.5	1079.9	1088.6
47.5°	1006.4	999.2	1006.4	1015.1	1015.1	1019.4	1032.4	1042.4	1035.3	1020.9	1025.1
50°	932.9	934.3	932.9	938.6	938.6	954.5	964.6	974.7	981.9	964.6	944.4
52.5°	860.8	859.3	860.8	865.1	870.9	878.1	895.4	905.5	917.0	907.0	875.2
55°	788.7	791.6	788.7	790.1	793.0	797.4	823.3	833.4	855.0	842.0	808.9
57.5°	716.6	712.3	716.6	719.5	721.0	725.2	746.9	765.6	778.6	780.0	739.7
60°	633.0	627.2	633.0	646.0	648.8	651.7	671.9	689.2	700.8	705.0	663.3
62.5°	559.4	549.4	559.4	568.1	573.8	581.1	595.5	621.4	631.5	633.0	573.8
65°	481.6	477.3	481.6	498.8	500.3	509.0	524.8	543.6	565.2	562.3	477.3
67.5°	410.9	410.9	410.9	422.5	431.1	435.5	455.6	464.3	491.7	494.6	398.0
70°	346.1	344.6	346.1	354.7	360.5	370.5	389.3	399.4	421.1	428.2	323.0
72.5°	284.1	282.6	284.1	291.2	297.0	305.7	321.5	333.0	351.8	360.5	250.9
75°	229.3	226.4	229.3	235.0	233.6	245.1	258.1	269.7	287.0	292.7	186.0
77.5°	175.9	175.9	175.9	181.6	181.6	193.2	198.9	213.4	223.5	232.2	137.0
80°	131.2	129.8	131.2	132.7	132.7	138.4	148.5	158.6	167.2	167.2	93.7
82.5°	92.3	89.4	92.3	92.3	92.3	95.2	101.0	103.8	109.6	113.9	59.1
85°	57.7	57.7	57.7	59.1	57.7	60.6	62.0	64.9	64.9	62.0	36.0
87.5°	37.5	36.0	37.5	36.0	36.0	34.6	34.6	34.6	33.1	31.7	20.2
90°	16.8	16.8	16.8	16.8	16.8	22.3	29.7	33.5	28.8	19.4	12.4
92.5°	67.1	53.8	67.1	80.5	83.8	118.9	165.5	188.8	165.8	119.7	85.1
95°	234.0	193.7	234.0	274.4	284.6	373.7	492.5	551.8	466.0	294.5	165.9
97.5°	560.8	483.9	560.8	637.6	656.8	713.1	788.2	825.8	682.7	396.7	182.2
100°	808.0	716.4	808.0	899.5	922.4	918.3	912.7	910.0	751.3	433.9	195.9
102.5°	1051.1	972.7	1051.1	1129.6	1149.2	1077.4	981.8	933.9	772.9	451.0	209.5
105°	1361.2	1319.0	1361.2	1403.2	1413.8	1253.0	1038.5	931.2	775.4	463.7	229.9
107.5°	1564.2	1574.4	1564.2	1554.0	1551.4	1327.1	1027.9	878.3	740.9	466.0	259.9
110°	1641.6	1685.5	1641.6	1597.8	1586.8	1335.9	1001.4	834.2	710.3	462.5	276.6



TEST NUMBER: P935770

CATALOG NUMBER: SQ4-FA-125U-125D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1648.5	1716.0	1648.5	1581.1	1564.3	1307.6	965.2	794.1	683.6	462.6	296.8
115°	1604.8	1698.4	1604.8	1511.3	1487.9	1240.6	910.8	745.9	652.9	466.9	327.3
117.5°	1512.1	1615.8	1512.1	1408.4	1382.5	1159.2	861.6	712.9	633.8	475.6	356.9
120°	1437.4	1538.2	1437.4	1336.7	1311.5	1107.5	835.6	699.7	627.3	482.7	374.1
122.5°	1364.6	1464.1	1364.6	1265.3	1240.4	1056.8	812.0	689.5	623.9	492.8	394.4
125°	1260.9	1352.5	1260.9	1169.4	1146.5	990.4	782.5	678.4	621.1	506.4	420.4
127.5°	1167.6	1244.9	1167.6	1090.4	1071.0	937.1	758.5	669.2	619.5	520.1	445.5
130°	1112.6	1184.0	1112.6	1041.2	1023.4	904.1	745.2	665.7	620.5	530.1	462.3
132.5°	1062.7	1126.6	1062.7	998.8	982.9	876.1	733.7	662.6	621.1	538.2	476.0
135°	994.4	1049.4	994.4	939.3	925.5	836.2	717.0	657.3	620.5	547.0	491.9
137.5°	939.5	984.6	939.5	894.3	883.1	807.5	706.7	656.4	624.3	560.2	512.1
140°	901.8	944.0	901.8	859.8	849.2	783.9	696.9	653.3	625.0	568.4	525.9
142.5°	870.7	907.0	870.7	834.4	825.3	768.0	691.6	653.3	627.2	575.1	536.0
145°	824.0	851.4	824.0	796.5	789.6	742.7	680.2	648.9	627.2	583.9	551.4
147.5°	788.0	810.8	788.0	765.4	759.6	722.8	673.5	648.9	631.5	596.8	570.8
150°	765.5	783.9	765.5	747.0	742.4	711.2	669.7	648.9	633.8	603.6	581.0
152.5°	746.1	760.1	746.1	732.2	728.7	702.1	666.6	648.9	635.3	608.1	587.6
155°	723.9	733.1	723.9	714.7	712.4	691.2	663.0	648.9	638.5	617.7	602.1
157.5°	706.4	712.9	706.4	699.9	698.3	681.9	659.9	648.9	641.7	627.4	616.7
160°	695.9	699.7	695.9	692.2	691.2	677.1	658.3	648.9	643.2	631.8	623.3
162.5°	689.1	692.6	689.1	685.5	684.7	672.7	656.8	648.9	644.8	636.5	630.4
165°	679.1	682.9	679.1	675.4	674.4	665.9	654.6	648.9	647.0	643.3	640.5
167.5°	672.1	673.6	672.1	670.5	670.1	664.5	657.1	653.3	651.8	648.6	646.2
170°	670.1	670.1	670.1	670.1	670.1	664.5	657.1	653.3	653.2	653.1	652.9
172.5°	664.8	663.5	664.8	666.2	666.5	662.1	656.2	653.3	653.3	653.3	653.3
175°	661.7	661.7	661.7	661.7	661.7	658.9	655.2	653.3	654.2	656.0	657.3
177.5°	658.9	657.3	658.9	660.4	660.8	658.6	655.6	654.2	654.8	656.3	657.3
180°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3



TEST NUMBER: P935770
 CATALOG NUMBER: SQ4-FA-125U-125D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1
2.5°	1545.7	1537.0	1537.0	1522.6	1516.8	1512.5	1505.3	1483.7	1477.9	1472.2	1480.8
5°	1558.6	1542.8	1531.2	1505.3	1483.7	1475.0	1447.6	1395.7	1361.2	1335.2	1320.8
7.5°	1561.5	1541.4	1519.7	1479.3	1427.4	1404.4	1320.8	1225.6	1199.6	1176.5	1162.1
10°	1558.6	1535.6	1505.3	1444.7	1322.2	1281.8	1198.2	1136.1	1120.3	1116.0	1120.3
12.5°	1548.6	1527.0	1485.1	1384.2	1212.6	1185.2	1136.1	1100.1	1097.3	1104.4	1143.4
15°	1531.2	1511.1	1462.0	1303.5	1152.1	1131.9	1097.3	1084.3	1100.1	1150.6	1267.4
17.5°	1513.9	1490.9	1430.3	1224.2	1105.9	1091.5	1067.0	1092.9	1182.3	1250.1	1289.0
20°	1490.9	1463.5	1394.3	1166.5	1072.8	1059.8	1048.2	1165.0	1232.8	1257.3	1278.9
22.5°	1463.5	1434.7	1345.2	1126.1	1038.2	1028.0	1035.3	1205.4	1232.8	1250.1	1268.8
25°	1427.4	1402.9	1287.5	1094.4	1010.7	999.2	1026.6	1201.1	1216.9	1221.3	1258.7
27.5°	1394.3	1362.5	1227.1	1065.5	977.6	973.2	1033.8	1182.3	1193.8	1198.2	1238.6
30°	1353.9	1306.3	1159.2	1035.3	943.0	941.5	1035.3	1159.2	1156.3	1167.9	1208.3
32.5°	1312.1	1222.7	1082.8	997.8	909.9	908.4	1025.1	1124.6	1121.7	1137.6	1167.9
35°	1273.1	1157.8	979.0	954.5	868.0	869.5	1000.7	1084.3	1085.7	1100.1	1118.8
37.5°	1232.8	1101.6	865.1	907.0	827.6	827.6	967.4	1046.8	1043.9	1048.2	1074.2
40°	1185.2	1013.6	764.2	844.9	790.1	785.8	927.1	1006.4	996.3	994.9	1030.9
42.5°	1134.8	917.0	689.2	762.7	746.9	741.2	878.1	957.4	938.6	943.0	989.1
45°	1079.9	891.1	631.5	644.5	702.2	697.9	824.7	901.2	888.2	899.7	947.3
47.5°	1025.1	839.1	612.8	535.0	654.6	653.1	765.6	846.4	839.1	850.7	901.2
50°	950.2	781.5	611.3	458.5	601.3	607.0	695.0	793.0	793.0	803.1	856.4
52.5°	853.6	710.8	555.1	415.3	539.2	556.5	633.0	746.9	749.8	759.9	807.4
55°	765.6	637.3	514.8	382.1	465.7	503.2	572.5	699.3	705.0	715.2	758.5
57.5°	684.9	530.6	506.1	343.2	398.0	434.0	519.0	653.1	656.0	664.7	706.5
60°	598.4	383.6	464.3	301.4	338.8	366.2	470.0	598.4	608.5	614.2	650.2
62.5°	500.3	278.3	421.1	272.5	310.0	315.8	429.7	546.5	559.4	563.8	585.4
65°	356.1	233.6	357.6	248.0	279.7	281.2	386.4	493.1	504.6	511.9	527.7
67.5°	240.8	190.3	272.5	224.9	256.6	258.1	344.6	431.1	447.0	452.8	462.8
70°	167.2	126.9	201.8	200.4	230.7	233.6	299.9	374.9	389.3	393.6	399.4
72.5°	122.5	102.4	167.2	180.2	203.3	206.2	253.7	311.4	325.9	330.2	333.0
75°	93.7	108.1	135.6	157.2	173.0	174.5	207.6	253.7	263.9	266.8	268.2
77.5°	75.0	101.0	99.5	126.9	141.3	138.4	162.9	196.1	204.7	204.7	204.7
80°	56.2	79.3	75.0	90.8	103.8	101.0	116.8	139.9	142.7	145.6	144.2
82.5°	41.8	50.4	50.4	57.7	69.2	66.3	77.9	90.8	90.8	90.8	93.7
85°	26.0	28.8	23.1	30.2	38.9	37.5	43.3	49.0	50.4	50.4	47.5
87.5°	15.8	13.0	7.2	11.5	17.3	17.3	20.2	21.6	20.2	20.2	20.2
90°	11.5	7.9	4.4	7.9	11.5	12.4	19.4	28.8	33.5	29.7	22.3
92.5°	77.6	47.6	17.6	47.6	77.6	85.1	119.7	165.8	188.8	165.5	118.9
95°	152.2	97.2	42.3	97.2	152.2	165.9	294.5	466.0	551.8	492.5	373.7
97.5°	170.1	121.6	73.2	121.6	170.1	182.2	396.7	682.7	825.8	788.2	713.1
100°	184.9	141.0	97.0	141.0	184.9	195.9	433.9	751.3	910.0	912.7	918.3
102.5°	199.3	158.3	117.3	158.3	199.3	209.5	451.0	772.9	933.9	981.8	1077.4
105°	221.2	186.5	151.7	186.5	221.2	229.9	463.7	775.4	931.2	1038.5	1253.0
107.5°	251.8	219.4	187.0	219.4	251.8	259.9	466.0	740.9	878.3	1027.9	1327.1
110°	269.2	240.1	210.9	240.1	269.2	276.6	462.5	710.3	834.2	1001.4	1335.9



TEST NUMBER: P935770

CATALOG NUMBER: SQ4-FA-125U-125D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	289.9	262.1	234.2	262.1	289.9	296.8	462.6	683.6	794.1	965.2	1307.6
115°	320.9	295.2	269.5	295.2	320.9	327.3	466.9	652.9	745.9	910.8	1240.6
117.5°	351.1	327.8	304.4	327.8	351.1	356.9	475.6	633.8	712.9	861.6	1159.2
120°	368.7	346.7	324.7	346.7	368.7	374.1	482.7	627.3	699.7	835.6	1107.5
122.5°	388.9	366.7	344.5	366.7	388.9	394.4	492.8	623.9	689.5	812.0	1056.8
125°	415.4	395.2	375.0	395.2	415.4	420.4	506.4	621.1	678.4	782.5	990.4
127.5°	440.4	420.0	399.7	420.0	440.4	445.5	520.1	619.5	669.2	758.5	937.1
130°	456.8	434.9	412.9	434.9	456.8	462.3	530.1	620.5	665.7	745.2	904.1
132.5°	470.6	448.6	426.6	448.6	470.6	476.0	538.2	621.1	662.6	733.7	876.1
135°	486.8	466.9	446.9	466.9	486.8	491.9	547.0	620.5	657.3	717.0	836.2
137.5°	507.2	487.3	467.6	487.3	507.2	512.1	560.2	624.3	656.4	706.7	807.5
140°	521.3	503.0	484.8	503.0	521.3	525.9	568.4	625.0	653.3	696.9	783.9
142.5°	531.7	514.9	498.0	514.9	531.7	536.0	575.1	627.2	653.3	691.6	768.0
145°	547.8	533.0	518.4	533.0	547.8	551.4	583.9	627.2	648.9	680.2	742.7
147.5°	567.3	552.9	538.6	552.9	567.3	570.8	596.8	631.5	648.9	673.5	722.8
150°	577.7	564.8	551.8	564.8	577.7	581.0	603.6	633.8	648.9	669.7	711.2
152.5°	585.2	575.4	565.6	575.4	585.2	587.6	608.1	635.3	648.9	666.6	702.1
155°	600.3	593.1	585.8	593.1	600.3	602.1	617.7	638.5	648.9	663.0	691.2
157.5°	614.9	607.9	600.8	607.9	614.9	616.7	627.4	641.7	648.9	659.9	681.9
160°	622.0	616.4	611.0	616.4	622.0	623.3	631.8	643.2	648.9	658.3	677.1
162.5°	629.4	625.2	621.1	625.2	629.4	630.4	636.5	644.8	648.9	656.8	672.7
165°	639.6	635.8	632.1	635.8	639.6	640.5	643.3	647.0	648.9	654.6	665.9
167.5°	645.8	644.0	642.3	644.0	645.8	646.2	648.6	651.8	653.3	657.1	664.5
170°	652.5	650.7	648.9	650.7	652.5	652.9	653.1	653.2	653.3	657.1	664.5
172.5°	653.2	652.8	652.5	652.8	653.2	653.3	653.3	653.3	653.3	656.2	662.1
175°	657.3	657.3	657.3	657.3	657.3	657.3	656.0	654.2	653.3	655.2	658.9
177.5°	657.3	657.3	657.3	657.3	657.3	657.3	656.3	654.8	654.2	655.6	658.6
180°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3



TEST NUMBER: P935770
 CATALOG NUMBER: SQ4-FA-125U-125D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1	1524.1
2.5°	1470.7	1466.4	1472.2	1456.2	1472.2	1466.4	1470.7	1480.8	1472.2	1477.9	1483.7
5°	1290.4	1283.3	1260.2	1241.4	1260.2	1283.3	1290.4	1320.8	1335.2	1361.2	1395.7
7.5°	1153.5	1147.7	1141.9	1130.4	1141.9	1147.7	1153.5	1162.1	1176.5	1199.6	1225.6
10°	1123.2	1124.6	1133.3	1131.9	1133.3	1124.6	1123.2	1120.3	1116.0	1120.3	1136.1
12.5°	1201.1	1214.0	1261.6	1258.7	1261.6	1214.0	1201.1	1143.4	1104.4	1097.3	1100.1
15°	1290.4	1294.8	1304.9	1306.3	1304.9	1294.8	1290.4	1267.4	1150.6	1100.1	1084.3
17.5°	1299.1	1300.6	1307.7	1307.7	1307.7	1300.6	1299.1	1289.0	1250.1	1182.3	1092.9
20°	1291.9	1294.8	1309.2	1312.1	1309.2	1294.8	1291.9	1278.9	1257.3	1232.8	1165.0
22.5°	1289.0	1294.8	1306.3	1304.9	1306.3	1294.8	1289.0	1268.8	1250.1	1232.8	1205.4
25°	1274.6	1274.6	1276.0	1277.5	1276.0	1274.6	1274.6	1258.7	1221.3	1216.9	1201.1
27.5°	1244.3	1247.2	1255.8	1254.4	1255.8	1247.2	1244.3	1238.6	1198.2	1193.8	1182.3
30°	1216.9	1214.0	1206.9	1201.1	1206.9	1214.0	1216.9	1208.3	1167.9	1156.3	1159.2
32.5°	1170.8	1163.6	1156.3	1152.1	1156.3	1163.6	1170.8	1167.9	1137.6	1121.7	1124.6
35°	1116.0	1117.4	1116.0	1111.7	1116.0	1117.4	1116.0	1118.8	1100.1	1085.7	1084.3
37.5°	1077.1	1079.9	1078.5	1072.8	1078.5	1079.9	1077.1	1074.2	1048.2	1043.9	1046.8
40°	1036.7	1038.2	1036.7	1032.4	1036.7	1038.2	1036.7	1030.9	994.9	996.3	1006.4
42.5°	997.8	996.3	992.0	989.1	992.0	996.3	997.8	989.1	943.0	938.6	957.4
45°	953.0	954.5	945.9	941.5	945.9	954.5	953.0	947.3	899.7	888.2	901.2
47.5°	908.4	908.4	901.2	896.8	901.2	908.4	908.4	901.2	850.7	839.1	846.4
50°	860.8	859.3	849.3	847.8	849.3	859.3	860.8	856.4	803.1	793.0	793.0
52.5°	806.0	806.0	807.4	810.3	807.4	806.0	806.0	807.4	759.9	749.8	746.9
55°	758.5	759.9	770.0	772.8	770.0	759.9	758.5	758.5	715.2	705.0	699.3
57.5°	709.4	709.4	716.6	716.6	716.6	709.4	709.4	706.5	664.7	656.0	653.1
60°	653.1	656.0	661.8	660.4	661.8	656.0	653.1	650.2	614.2	608.5	598.4
62.5°	594.0	596.9	598.4	595.5	598.4	596.9	594.0	585.4	563.8	559.4	546.5
65°	532.1	535.0	536.3	533.5	536.3	535.0	532.1	527.7	511.9	504.6	493.1
67.5°	468.6	467.2	465.7	471.5	465.7	467.2	468.6	462.8	452.8	447.0	431.1
70°	403.7	403.7	402.3	405.1	402.3	403.7	403.7	399.4	393.6	389.3	374.9
72.5°	334.5	333.0	338.8	334.5	338.8	333.0	334.5	333.0	330.2	325.9	311.4
75°	266.8	269.7	266.8	271.1	266.8	269.7	266.8	268.2	266.8	263.9	253.7
77.5°	203.3	206.2	203.3	203.3	203.3	206.2	203.3	204.7	204.7	204.7	196.1
80°	144.2	142.7	142.7	141.3	142.7	142.7	144.2	144.2	145.6	142.7	139.9
82.5°	92.3	90.8	90.8	93.7	90.8	90.8	92.3	93.7	90.8	90.8	90.8
85°	50.4	51.9	49.0	49.0	49.0	51.9	50.4	47.5	50.4	50.4	49.0
87.5°	18.7	17.3	17.3	17.3	17.3	17.3	18.7	20.2	20.2	20.2	21.6
90°	16.8	16.8	16.8	16.8	16.8	16.8	16.8	22.3	29.7	33.5	28.8
92.5°	83.8	80.5	67.1	53.8	67.1	80.5	83.8	118.9	165.5	188.8	165.8
95°	284.6	274.4	234.0	193.7	234.0	274.4	284.6	373.7	492.5	551.8	466.0
97.5°	656.8	637.6	560.8	483.9	560.8	637.6	656.8	713.1	788.2	825.8	682.7
100°	922.4	899.5	808.0	716.4	808.0	899.5	922.4	918.3	912.7	910.0	751.3
102.5°	1149.2	1129.6	1051.1	972.7	1051.1	1129.6	1149.2	1077.4	981.8	933.9	772.9
105°	1413.8	1403.2	1361.2	1319.0	1361.2	1403.2	1413.8	1253.0	1038.5	931.2	775.4
107.5°	1551.4	1554.0	1564.2	1574.4	1564.2	1554.0	1551.4	1327.1	1027.9	878.3	740.9
110°	1586.8	1597.8	1641.6	1685.5	1641.6	1597.8	1586.8	1335.9	1001.4	834.2	710.3



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1564.3	1581.1	1648.5	1716.0	1648.5	1581.1	1564.3	1307.6	965.2	794.1	683.6
115°	1487.9	1511.3	1604.8	1698.4	1604.8	1511.3	1487.9	1240.6	910.8	745.9	652.9
117.5°	1382.5	1408.4	1512.1	1615.8	1512.1	1408.4	1382.5	1159.2	861.6	712.9	633.8
120°	1311.5	1336.7	1437.4	1538.2	1437.4	1336.7	1311.5	1107.5	835.6	699.7	627.3
122.5°	1240.4	1265.3	1364.6	1464.1	1364.6	1265.3	1240.4	1056.8	812.0	689.5	623.9
125°	1146.5	1169.4	1260.9	1352.5	1260.9	1169.4	1146.5	990.4	782.5	678.4	621.1
127.5°	1071.0	1090.4	1167.6	1244.9	1167.6	1090.4	1071.0	937.1	758.5	669.2	619.5
130°	1023.4	1041.2	1112.6	1184.0	1112.6	1041.2	1023.4	904.1	745.2	665.7	620.5
132.5°	982.9	998.8	1062.7	1126.6	1062.7	998.8	982.9	876.1	733.7	662.6	621.1
135°	925.5	939.3	994.4	1049.4	994.4	939.3	925.5	836.2	717.0	657.3	620.5
137.5°	883.1	894.3	939.5	984.6	939.5	894.3	883.1	807.5	706.7	656.4	624.3
140°	849.2	859.8	901.8	944.0	901.8	859.8	849.2	783.9	696.9	653.3	625.0
142.5°	825.3	834.4	870.7	907.0	870.7	834.4	825.3	768.0	691.6	653.3	627.2
145°	789.6	796.5	824.0	851.4	824.0	796.5	789.6	742.7	680.2	648.9	627.2
147.5°	759.6	765.4	788.0	810.8	788.0	765.4	759.6	722.8	673.5	648.9	631.5
150°	742.4	747.0	765.5	783.9	765.5	747.0	742.4	711.2	669.7	648.9	633.8
152.5°	728.7	732.2	746.1	760.1	746.1	732.2	728.7	702.1	666.6	648.9	635.3
155°	712.4	714.7	723.9	733.1	723.9	714.7	712.4	691.2	663.0	648.9	638.5
157.5°	698.3	699.9	706.4	712.9	706.4	699.9	698.3	681.9	659.9	648.9	641.7
160°	691.2	692.2	695.9	699.7	695.9	692.2	691.2	677.1	658.3	648.9	643.2
162.5°	684.7	685.5	689.1	692.6	689.1	685.5	684.7	672.7	656.8	648.9	644.8
165°	674.4	675.4	679.1	682.9	679.1	675.4	674.4	665.9	654.6	648.9	647.0
167.5°	670.1	670.5	672.1	673.6	672.1	670.5	670.1	664.5	657.1	653.3	651.8
170°	670.1	670.1	670.1	670.1	670.1	670.1	670.1	664.5	657.1	653.3	653.2
172.5°	666.5	666.2	664.8	663.5	664.8	666.2	666.5	662.1	656.2	653.3	653.3
175°	661.7	661.7	661.7	661.7	661.7	661.7	661.7	658.9	655.2	653.3	654.2
177.5°	660.8	660.4	658.9	657.3	658.9	660.4	660.8	658.6	655.6	654.2	654.8
180°	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3	657.3



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1524.1	1524.1	1524.1	1524.1	1524.1
2.5°	1505.3	1512.5	1516.8	1522.6	1537.0
5°	1447.6	1475.0	1483.7	1505.3	1531.2
7.5°	1320.8	1404.4	1427.4	1479.3	1519.7
10°	1198.2	1281.8	1322.2	1444.7	1505.3
12.5°	1136.1	1185.2	1212.6	1384.2	1485.1
15°	1097.3	1131.9	1152.1	1303.5	1462.0
17.5°	1067.0	1091.5	1105.9	1224.2	1430.3
20°	1048.2	1059.8	1072.8	1166.5	1394.3
22.5°	1035.3	1028.0	1038.2	1126.1	1345.2
25°	1026.6	999.2	1010.7	1094.4	1287.5
27.5°	1033.8	973.2	977.6	1065.5	1227.1
30°	1035.3	941.5	943.0	1035.3	1159.2
32.5°	1025.1	908.4	909.9	997.8	1082.8
35°	1000.7	869.5	868.0	954.5	979.0
37.5°	967.4	827.6	827.6	907.0	865.1
40°	927.1	785.8	790.1	844.9	764.2
42.5°	878.1	741.2	746.9	762.7	689.2
45°	824.7	697.9	702.2	644.5	631.5
47.5°	765.6	653.1	654.6	535.0	612.8
50°	695.0	607.0	601.3	458.5	611.3
52.5°	633.0	556.5	539.2	415.3	555.1
55°	572.5	503.2	465.7	382.1	514.8
57.5°	519.0	434.0	398.0	343.2	506.1
60°	470.0	366.2	338.8	301.4	464.3
62.5°	429.7	315.8	310.0	272.5	421.1
65°	386.4	281.2	279.7	248.0	357.6
67.5°	344.6	258.1	256.6	224.9	272.5
70°	299.9	233.6	230.7	200.4	201.8
72.5°	253.7	206.2	203.3	180.2	167.2
75°	207.6	174.5	173.0	157.2	135.6
77.5°	162.9	138.4	141.3	126.9	99.5
80°	116.8	101.0	103.8	90.8	75.0
82.5°	77.9	66.3	69.2	57.7	50.4
85°	43.3	37.5	38.9	30.2	23.1
87.5°	20.2	17.3	17.3	11.5	7.2
90°	19.4	12.4	11.5	7.9	4.4
92.5°	119.7	85.1	77.6	47.6	17.6
95°	294.5	165.9	152.2	97.2	42.3
97.5°	396.7	182.2	170.1	121.6	73.2
100°	433.9	195.9	184.9	141.0	97.0
102.5°	451.0	209.5	199.3	158.3	117.3
105°	463.7	229.9	221.2	186.5	151.7
107.5°	466.0	259.9	251.8	219.4	187.0
110°	462.5	276.6	269.2	240.1	210.9



TEST NUMBER: P935770

CATALOG NUMBER: SQ4-FA-125U-125D-935-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	462.6	296.8	289.9	262.1	234.2
115°	466.9	327.3	320.9	295.2	269.5
117.5°	475.6	356.9	351.1	327.8	304.4
120°	482.7	374.1	368.7	346.7	324.7
122.5°	492.8	394.4	388.9	366.7	344.5
125°	506.4	420.4	415.4	395.2	375.0
127.5°	520.1	445.5	440.4	420.0	399.7
130°	530.1	462.3	456.8	434.9	412.9
132.5°	538.2	476.0	470.6	448.6	426.6
135°	547.0	491.9	486.8	466.9	446.9
137.5°	560.2	512.1	507.2	487.3	467.6
140°	568.4	525.9	521.3	503.0	484.8
142.5°	575.1	536.0	531.7	514.9	498.0
145°	583.9	551.4	547.8	533.0	518.4
147.5°	596.8	570.8	567.3	552.9	538.6
150°	603.6	581.0	577.7	564.8	551.8
152.5°	608.1	587.6	585.2	575.4	565.6
155°	617.7	602.1	600.3	593.1	585.8
157.5°	627.4	616.7	614.9	607.9	600.8
160°	631.8	623.3	622.0	616.4	611.0
162.5°	636.5	630.4	629.4	625.2	621.1
165°	643.3	640.5	639.6	635.8	632.1
167.5°	648.6	646.2	645.8	644.0	642.3
170°	653.1	652.9	652.5	650.7	648.9
172.5°	653.3	653.3	653.2	652.8	652.5
175°	656.0	657.3	657.3	657.3	657.3
177.5°	656.3	657.3	657.3	657.3	657.3
180°	657.3	657.3	657.3	657.3	657.3



TEST NUMBER: P935770
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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	13.82	14.67	14.80	15.65	16.95	16.62	17.46	17.59	18.45	19.75
	3H	14.30	15.06	15.28	16.05	17.37	17.95	18.71	18.94	19.71	21.03
	4H	14.49	15.21	15.49	16.20	17.53	18.39	19.11	19.39	20.11	21.43
	6H	14.61	15.27	15.62	16.27	17.61	18.67	19.33	19.68	20.33	21.67
	8H	14.61	15.24	15.62	16.26	17.59	18.74	19.37	19.75	20.39	21.72
	12H	14.58	15.18	15.60	16.19	17.55	18.77	19.37	19.79	20.38	21.74
4H	2H	14.85	15.56	15.85	16.56	17.89	17.03	17.75	18.03	18.74	20.07
	3H	15.87	16.47	16.88	17.50	18.84	18.52	19.12	19.54	20.15	21.49
	4H	16.15	16.69	17.17	17.71	19.08	19.04	19.59	20.06	20.61	21.98
	6H	16.27	16.74	17.30	17.78	19.15	19.40	19.87	20.43	20.91	22.27
	8H	16.28	16.71	17.31	17.75	19.13	19.50	19.94	20.53	20.98	22.35
	12H	16.24	16.64	17.29	17.69	19.07	19.55	19.95	20.60	21.00	22.38
8H	4H	16.59	17.03	17.63	18.07	19.44	19.17	19.61	20.20	20.64	22.02
	6H	16.85	17.22	17.91	18.30	19.67	19.60	19.96	20.65	21.04	22.41
	8H	16.90	17.22	17.96	18.28	19.67	19.74	20.06	20.81	21.13	22.52
	12H	16.88	17.16	17.95	18.22	19.65	19.83	20.12	20.90	21.17	22.61
12H	4H	16.60	16.99	17.65	18.05	19.43	19.13	19.53	20.18	20.58	21.96
	6H	16.91	17.23	17.98	18.30	19.69	19.59	19.91	20.66	20.98	22.37
	8H	16.98	17.26	18.05	18.32	19.75	19.75	20.03	20.82	21.09	22.52