

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: P935732

Luminaire Tested: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P935732
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-92765-1D-UNV-STD-W-4-3000K
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

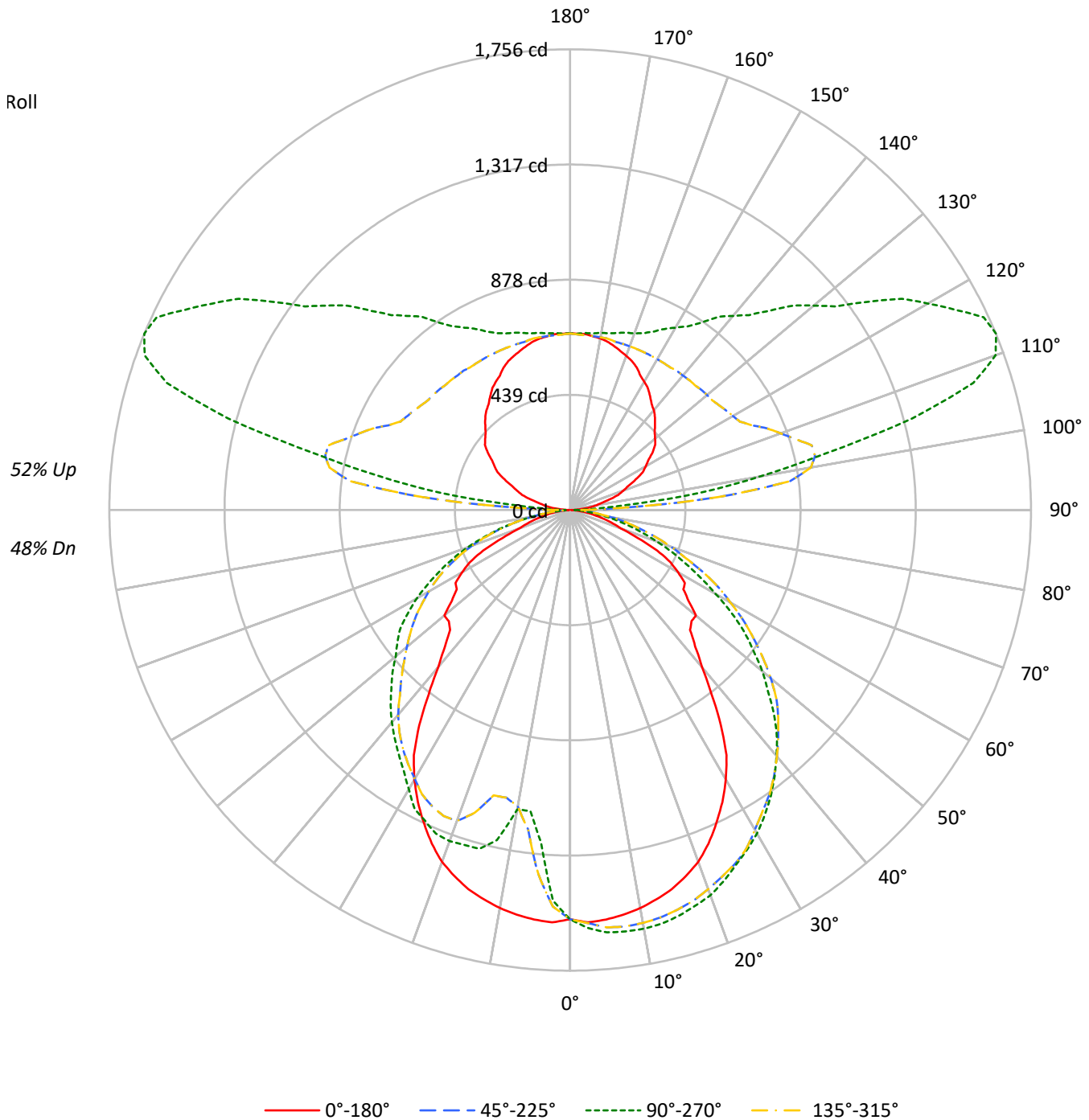
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8408.1 lumens
Efficiency: N/A
Efficacy: 111.8 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

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Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	14475	14475	14475	14475
5°	14566	14612	14566	11489
10°	14453	14393	14453	10290
15°	14280	14081	14280	11758
20°	13965	13712	13965	11782
25°	13337	13172	13337	11532
30°	12532	12725	12532	10985
35°	11156	12160	11156	10382
40°	9279	11494	9279	9927
45°	8276	10714	8276	9404
50°	8771	9784	8771	8879
55°	8230	8782	8230	8574
60°	8453	7459	8453	7853
65°	7627	6166	7627	6893
70°	5245	4914	5245	5777
75°	4548	3632	4548	4350
80°	3590	2401	3590	2614
85°	1954	1271	1954	1079

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 12707 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.8	1.7
10°-20°	399.8	4.8
20°-30°	618.0	7.4
30°-40°	737.8	8.8
40°-50°	742.1	8.8
50°-60°	645.7	7.7
60°-70°	457.8	5.4
70°-80°	242.2	2.9
80°-90°	62.9	0.7
90°-100°	327.9	3.9
100°-110°	862.1	10.3
110°-120°	893.9	10.6
120°-130°	717.0	8.5
130°-140°	562.6	6.7
140°-150°	431.8	5.1
150°-160°	311.0	3.7
160°-170°	190.3	2.3
170°-180°	64.3	0.8
0°-30°	1158.6	13.8
0°-40°	1896.4	22.6
0°-60°	3284.1	39.1
0°-90°	4047.0	48.1
90°-120°	2084.0	24.8
90°-150°	3795.5	45.1
90°-180°	4361.0	51.9
0°-180°	8408.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1560	1560	1560	1560	1560	
5°	1567	1616	1567	1271	1567	149
15°	1496	1601	1496	1337	1496	421
25°	1318	1493	1318	1308	1318	605
35°	1002	1333	1002	1138	1002	620
45°	646	1098	646	964	646	518
55°	527	810	527	791	527	484
65°	366	488	366	546	366	350
75°	139	232	139	278	139	146
85°	24	59	24	50	24	32
90°	4	17	4	17	4	5
95°	43	198	43	198	43	48
105°	155	1350	155	1350	155	165
115°	276	1738	276	1738	276	272
125°	384	1384	384	1384	384	341
135°	457	1074	457	1074	457	354
145°	530	871	530	871	530	332
155°	600	750	600	750	600	276
165°	647	699	647	699	647	183
175°	673	677	673	677	673	64
180°	673	673	673	673	673	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9
2.5°	1573.1	1573.1	1582.0	1585.0	1585.0	1580.6	1576.1	1580.6	1593.8	1598.3	1596.8
5°	1567.2	1579.1	1595.3	1598.3	1601.2	1599.7	1596.8	1599.7	1614.5	1617.4	1618.9
7.5°	1555.4	1577.6	1598.3	1602.7	1607.1	1602.7	1601.2	1604.2	1618.9	1621.9	1621.9
10°	1540.7	1571.7	1595.3	1598.3	1602.7	1598.3	1598.3	1604.2	1618.9	1621.9	1623.4
12.5°	1520.0	1562.9	1585.0	1587.9	1593.8	1592.3	1590.9	1596.8	1611.5	1614.5	1614.5
15°	1496.4	1546.6	1567.2	1570.2	1580.6	1577.6	1577.6	1583.5	1599.7	1604.2	1602.7
17.5°	1464.0	1526.0	1549.5	1554.0	1561.4	1559.9	1561.4	1567.2	1582.0	1585.0	1586.4
20°	1427.1	1497.9	1526.0	1530.3	1537.7	1537.7	1537.7	1545.2	1559.9	1565.8	1565.8
22.5°	1376.9	1468.4	1497.9	1500.9	1509.7	1509.7	1512.6	1523.0	1536.3	1537.7	1537.7
25°	1317.8	1435.9	1461.0	1469.9	1478.7	1483.2	1487.6	1493.4	1497.9	1496.4	1497.9
27.5°	1255.9	1394.6	1427.1	1432.9	1444.8	1449.2	1455.1	1456.6	1458.0	1462.5	1459.5
30°	1186.5	1337.0	1385.7	1391.7	1410.9	1413.7	1407.9	1410.9	1418.2	1421.2	1424.1
32.5°	1108.3	1251.5	1342.9	1356.2	1374.0	1365.1	1363.6	1368.0	1379.8	1379.8	1382.8
35°	1002.1	1185.0	1303.1	1314.9	1328.2	1317.8	1323.7	1325.2	1332.6	1337.0	1335.6
37.5°	885.5	1127.5	1261.7	1270.6	1280.9	1267.7	1276.6	1280.9	1286.9	1283.9	1283.9
40°	782.1	1037.5	1213.1	1219.0	1227.8	1217.5	1226.3	1229.3	1232.3	1229.3	1227.8
42.5°	705.4	938.6	1161.5	1168.8	1162.9	1170.3	1173.2	1179.2	1174.7	1168.8	1168.8
45°	646.4	912.1	1105.3	1114.2	1105.3	1117.2	1121.6	1121.6	1108.3	1105.3	1103.9
47.5°	627.2	858.9	1049.2	1049.2	1044.9	1059.6	1066.9	1056.6	1043.4	1038.9	1038.9
50°	625.7	799.8	972.5	966.6	987.3	1005.0	997.6	987.3	976.9	960.7	960.7
52.5°	568.1	727.5	873.7	895.8	928.3	938.6	926.8	916.4	898.7	891.4	885.5
55°	526.9	652.3	783.6	827.9	861.8	875.1	853.0	842.6	816.1	811.7	808.7
57.5°	518.0	543.1	701.0	757.1	798.3	797.0	783.6	764.4	742.3	737.9	736.4
60°	475.2	392.6	612.4	678.9	721.6	717.2	705.4	687.7	667.0	664.1	661.2
62.5°	431.0	284.8	512.1	587.3	647.8	646.4	636.1	609.5	594.7	587.3	581.5
65°	366.0	239.1	364.5	488.5	575.5	578.5	556.4	537.2	521.0	512.1	510.6
67.5°	278.9	194.8	246.4	407.3	506.2	503.3	475.2	466.4	445.7	441.2	432.4
70°	206.6	129.8	171.2	330.6	438.3	431.0	408.8	398.4	379.2	369.0	363.0
72.5°	171.2	104.8	125.4	256.8	369.0	360.1	340.9	329.1	312.9	304.0	298.1
75°	138.7	110.7	95.9	190.4	299.5	293.7	276.0	264.1	250.9	239.1	240.5
77.5°	101.9	103.3	76.7	140.2	237.6	228.7	218.4	203.6	197.8	185.9	185.9
80°	76.7	81.2	57.6	95.9	171.2	171.2	162.4	152.0	141.7	135.8	135.8
82.5°	51.6	51.6	42.8	60.5	116.6	112.1	106.2	103.3	97.4	94.4	94.4
85°	23.6	29.5	26.6	36.9	63.5	66.4	66.4	63.5	62.0	59.0	60.5
87.5°	7.4	13.3	16.2	20.7	32.4	33.9	35.4	35.4	35.4	36.9	36.9
90°	4.5	8.1	11.8	12.6	19.9	29.5	34.3	30.4	22.8	17.2	17.2
92.5°	18.1	48.7	79.4	87.1	122.5	169.7	193.2	169.3	121.6	85.8	82.4
95°	43.3	99.5	155.7	169.8	301.5	477.0	564.8	504.0	382.5	291.3	280.9
97.5°	74.9	124.4	174.1	186.4	406.0	698.8	845.2	806.7	729.9	672.3	652.6
100°	99.3	144.3	189.2	200.5	444.1	769.0	931.4	934.2	939.9	944.1	920.6
102.5°	120.1	162.0	204.0	214.4	461.6	791.1	955.8	1004.8	1102.8	1176.2	1156.1
105°	155.3	190.9	226.4	235.3	474.6	793.6	953.1	1062.9	1282.4	1447.1	1436.2
107.5°	191.4	224.5	257.7	266.0	477.0	758.3	899.0	1052.1	1358.3	1587.9	1590.5
110°	215.8	245.7	275.6	283.1	473.3	727.0	853.8	1025.0	1367.3	1624.1	1635.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	239.7	268.2	296.7	303.8	473.4	699.6	812.7	987.9	1338.3	1601.1	1618.3
115°	275.8	302.2	328.5	335.0	477.9	668.2	763.5	932.2	1269.8	1522.9	1546.8
117.5°	311.6	335.5	359.4	365.3	486.8	648.7	729.6	881.9	1186.5	1415.0	1441.5
120°	332.3	354.8	377.3	382.9	494.0	642.1	716.1	855.3	1133.6	1342.3	1368.1
122.5°	352.7	375.3	398.0	403.7	504.4	638.6	705.7	831.0	1081.7	1269.6	1295.1
125°	383.8	404.4	425.1	430.3	518.3	635.7	694.4	800.9	1013.7	1173.4	1196.9
127.5°	409.1	429.9	450.8	456.0	532.3	634.1	684.9	776.3	959.2	1096.2	1116.0
130°	422.6	445.1	467.6	473.2	542.6	635.1	681.3	762.7	925.4	1047.5	1065.7
132.5°	436.6	459.1	481.6	487.2	550.9	635.7	678.2	751.0	896.7	1006.0	1022.3
135°	457.4	477.9	498.3	503.4	559.8	635.1	672.8	733.8	855.8	947.3	961.4
137.5°	478.6	498.8	519.1	524.2	573.4	639.0	671.8	723.4	826.5	903.9	915.4
140°	496.2	514.8	533.5	538.2	581.7	639.7	668.7	713.2	802.4	869.2	880.0
142.5°	509.7	527.0	544.2	548.6	588.6	642.0	668.7	707.8	786.1	844.7	854.0
145°	530.5	545.5	560.6	564.4	597.6	642.0	664.1	696.1	760.2	808.2	815.3
147.5°	551.3	566.0	580.6	584.3	610.9	646.4	664.1	689.3	739.7	777.5	783.3
150°	564.8	578.1	591.3	594.6	617.8	648.7	664.1	685.4	728.0	759.9	764.6
152.5°	578.9	588.9	598.9	601.4	622.4	650.2	664.1	682.3	718.6	745.9	749.4
155°	599.6	607.0	614.4	616.3	632.2	653.5	664.1	678.6	707.5	729.2	731.5
157.5°	615.0	622.2	629.3	631.2	642.2	656.8	664.1	675.4	697.9	714.7	716.4
160°	625.3	630.9	636.6	638.0	646.7	658.3	664.1	673.7	693.0	707.5	708.4
162.5°	635.7	639.9	644.2	645.2	651.5	660.0	664.1	672.3	688.6	700.8	701.6
165°	647.0	650.8	654.6	655.6	658.5	662.2	664.1	670.0	681.6	690.3	691.3
167.5°	657.4	659.2	661.0	661.4	663.9	667.1	668.7	672.5	680.1	685.9	686.3
170°	664.1	666.0	667.8	668.2	668.4	668.6	668.7	672.5	680.1	685.9	685.9
172.5°	667.8	668.2	668.6	668.7	668.7	668.7	668.7	671.6	677.7	682.2	681.8
175°	672.8	672.8	672.8	672.8	671.4	669.5	668.7	670.6	674.3	677.2	677.2
177.5°	672.8	672.8	672.8	672.8	671.7	670.2	669.5	671.0	674.1	676.3	675.9
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9
2.5°	1599.7	1595.3	1599.7	1596.8	1598.3	1593.8	1580.6	1576.1	1580.6	1585.0	1585.0
5°	1618.9	1616.0	1618.9	1618.9	1617.4	1614.5	1599.7	1596.8	1599.7	1601.2	1598.3
7.5°	1624.8	1620.4	1624.8	1621.9	1621.9	1618.9	1604.2	1601.2	1602.7	1607.1	1602.7
10°	1624.8	1620.4	1624.8	1623.4	1621.9	1618.9	1604.2	1598.3	1598.3	1602.7	1598.3
12.5°	1617.4	1614.5	1617.4	1614.5	1614.5	1611.5	1596.8	1590.9	1592.3	1593.8	1587.9
15°	1605.6	1601.2	1605.6	1602.7	1604.2	1599.7	1583.5	1577.6	1577.6	1580.6	1570.2
17.5°	1587.9	1582.0	1587.9	1586.4	1585.0	1582.0	1567.2	1561.4	1559.9	1561.4	1554.0
20°	1567.2	1562.9	1567.2	1565.8	1565.8	1559.9	1545.2	1537.7	1537.7	1537.7	1530.3
22.5°	1534.8	1530.3	1534.8	1537.7	1537.7	1536.3	1523.0	1512.6	1509.7	1509.7	1500.9
25°	1497.9	1493.4	1497.9	1497.9	1496.4	1497.9	1493.4	1487.6	1483.2	1478.7	1469.9
27.5°	1462.5	1459.5	1462.5	1459.5	1462.5	1458.0	1456.6	1455.1	1449.2	1444.8	1432.9
30°	1427.1	1424.1	1427.1	1424.1	1421.2	1418.2	1410.9	1407.9	1413.7	1410.9	1391.7
32.5°	1382.8	1379.8	1382.8	1382.8	1379.8	1379.8	1368.0	1363.6	1365.1	1374.0	1356.2
35°	1337.0	1332.6	1337.0	1335.6	1337.0	1332.6	1325.2	1323.7	1317.8	1328.2	1314.9
37.5°	1283.9	1279.4	1283.9	1283.9	1283.9	1286.9	1280.9	1276.6	1267.7	1280.9	1270.6
40°	1229.3	1223.4	1229.3	1227.8	1229.3	1232.3	1229.3	1226.3	1217.5	1227.8	1219.0
42.5°	1167.3	1165.8	1167.3	1168.8	1168.8	1174.7	1179.2	1173.2	1170.3	1162.9	1168.8
45°	1100.9	1098.0	1100.9	1103.9	1105.3	1108.3	1121.6	1121.6	1117.2	1105.3	1114.2
47.5°	1030.0	1022.7	1030.0	1038.9	1038.9	1043.4	1056.6	1066.9	1059.6	1044.9	1049.2
50°	954.8	956.3	954.8	960.7	960.7	976.9	987.3	997.6	1005.0	987.3	966.6
52.5°	881.0	879.5	881.0	885.5	891.4	898.7	916.4	926.8	938.6	928.3	895.8
55°	807.2	810.2	807.2	808.7	811.7	816.1	842.6	853.0	875.1	861.8	827.9
57.5°	733.5	729.0	733.5	736.4	737.9	742.3	764.4	783.6	797.0	798.3	757.1
60°	647.8	642.0	647.8	661.2	664.1	667.0	687.7	705.4	717.2	721.6	678.9
62.5°	572.6	562.3	572.6	581.5	587.3	594.7	609.5	636.1	646.4	647.8	587.3
65°	492.9	488.5	492.9	510.6	512.1	521.0	537.2	556.4	578.5	575.5	488.5
67.5°	420.6	420.6	420.6	432.4	441.2	445.7	466.4	475.2	503.3	506.2	407.3
70°	354.2	352.7	354.2	363.0	369.0	379.2	398.4	408.8	431.0	438.3	330.6
72.5°	290.7	289.3	290.7	298.1	304.0	312.9	329.1	340.9	360.1	369.0	256.8
75°	234.7	231.7	234.7	240.5	239.1	250.9	264.1	276.0	293.7	299.5	190.4
77.5°	180.1	180.1	180.1	185.9	185.9	197.8	203.6	218.4	228.7	237.6	140.2
80°	134.3	132.8	134.3	135.8	135.8	141.7	152.0	162.4	171.2	171.2	95.9
82.5°	94.4	91.5	94.4	94.4	94.4	97.4	103.3	106.2	112.1	116.6	60.5
85°	59.0	59.0	59.0	60.5	59.0	62.0	63.5	66.4	66.4	63.5	36.9
87.5°	38.4	36.9	38.4	36.9	36.9	35.4	35.4	35.4	33.9	32.4	20.7
90°	17.2	17.2	17.2	17.2	17.2	22.8	30.4	34.3	29.5	19.9	12.6
92.5°	68.7	55.1	68.7	82.4	85.8	121.6	169.3	193.2	169.7	122.5	87.1
95°	239.5	198.2	239.5	280.9	291.3	382.5	504.0	564.8	477.0	301.5	169.8
97.5°	574.0	495.3	574.0	652.6	672.3	729.9	806.7	845.2	698.8	406.0	186.4
100°	826.9	733.2	826.9	920.6	944.1	939.9	934.2	931.4	769.0	444.1	200.5
102.5°	1075.8	995.6	1075.8	1156.1	1176.2	1102.8	1004.8	955.8	791.1	461.6	214.4
105°	1393.2	1350.0	1393.2	1436.2	1447.1	1282.4	1062.9	953.1	793.6	474.6	235.3
107.5°	1601.0	1611.4	1601.0	1590.5	1587.9	1358.3	1052.1	899.0	758.3	477.0	266.0
110°	1680.2	1725.1	1680.2	1635.3	1624.1	1367.3	1025.0	853.8	727.0	473.3	283.1



TEST NUMBER: P935732

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	1687.3	1756.4	1687.3	1618.3	1601.1	1338.3	987.9	812.7	699.6	473.4	303.8
115°	1642.6	1738.3	1642.6	1546.8	1522.9	1269.8	932.2	763.5	668.2	477.9	335.0
117.5°	1547.7	1653.8	1547.7	1441.5	1415.0	1186.5	881.9	729.6	648.7	486.8	365.3
120°	1471.2	1574.4	1471.2	1368.1	1342.3	1133.6	855.3	716.1	642.1	494.0	382.9
122.5°	1396.7	1498.5	1396.7	1295.1	1269.6	1081.7	831.0	705.7	638.6	504.4	403.7
125°	1290.5	1384.3	1290.5	1196.9	1173.4	1013.7	800.9	694.4	635.7	518.3	430.3
127.5°	1195.0	1274.1	1195.0	1116.0	1096.2	959.2	776.3	684.9	634.1	532.3	456.0
130°	1138.8	1211.9	1138.8	1065.7	1047.5	925.4	762.7	681.3	635.1	542.6	473.2
132.5°	1087.7	1153.1	1087.7	1022.3	1006.0	896.7	751.0	678.2	635.7	550.9	487.2
135°	1017.8	1074.1	1017.8	961.4	947.3	855.8	733.8	672.8	635.1	559.8	503.4
137.5°	961.6	1007.7	961.6	915.4	903.9	826.5	723.4	671.8	639.0	573.4	524.2
140°	923.0	966.2	923.0	880.0	869.2	802.4	713.2	668.7	639.7	581.7	538.2
142.5°	891.1	928.3	891.1	854.0	844.7	786.1	707.8	668.7	642.0	588.6	548.6
145°	843.3	871.4	843.3	815.3	808.2	760.2	696.1	664.1	642.0	597.6	564.4
147.5°	806.5	829.8	806.5	783.3	777.5	739.7	689.3	664.1	646.4	610.9	584.3
150°	783.5	802.4	783.5	764.6	759.9	728.0	685.4	664.1	648.7	617.8	594.6
152.5°	763.6	777.9	763.6	749.4	745.9	718.6	682.3	664.1	650.2	622.4	601.4
155°	741.0	750.4	741.0	731.5	729.2	707.5	678.6	664.1	653.5	632.2	616.3
157.5°	723.0	729.6	723.0	716.4	714.7	697.9	675.4	664.1	656.8	642.2	631.2
160°	712.3	716.1	712.3	708.4	707.5	693.0	673.7	664.1	658.3	646.7	638.0
162.5°	705.3	708.9	705.3	701.6	700.8	688.6	672.3	664.1	660.0	651.5	645.2
165°	695.1	698.9	695.1	691.3	690.3	681.6	670.0	664.1	662.2	658.5	655.6
167.5°	687.9	689.4	687.9	686.3	685.9	680.1	672.5	668.7	667.1	663.9	661.4
170°	685.9	685.9	685.9	685.9	685.9	680.1	672.5	668.7	668.6	668.4	668.2
172.5°	680.4	679.1	680.4	681.8	682.2	677.7	671.6	668.7	668.7	668.7	668.7
175°	677.2	677.2	677.2	677.2	677.2	674.3	670.6	668.7	669.5	671.4	672.8
177.5°	674.3	672.8	674.3	675.9	676.3	674.1	671.0	669.5	670.2	671.7	672.8
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935732

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9
2.5°	1582.0	1573.1	1573.1	1558.4	1552.5	1548.0	1540.7	1518.6	1512.6	1506.8	1515.6
5°	1595.3	1579.1	1567.2	1540.7	1518.6	1509.7	1481.7	1428.6	1393.2	1366.6	1351.8
7.5°	1598.3	1577.6	1555.4	1514.1	1461.0	1437.4	1351.8	1254.4	1227.8	1204.2	1189.5
10°	1595.3	1571.7	1540.7	1478.7	1353.3	1312.0	1226.3	1162.9	1146.6	1142.3	1146.6
12.5°	1585.0	1562.9	1520.0	1416.7	1241.1	1213.1	1162.9	1126.0	1123.1	1130.4	1170.3
15°	1567.2	1546.6	1496.4	1334.1	1179.2	1158.5	1123.1	1109.8	1126.0	1177.7	1297.2
17.5°	1549.5	1526.0	1464.0	1252.9	1131.9	1117.2	1092.0	1118.6	1210.1	1279.4	1319.3
20°	1526.0	1497.9	1427.1	1193.9	1098.0	1084.7	1072.9	1192.4	1261.7	1286.9	1309.0
22.5°	1497.9	1468.4	1376.9	1152.6	1062.6	1052.2	1059.6	1233.8	1261.7	1279.4	1298.6
25°	1461.0	1435.9	1317.8	1120.1	1034.5	1022.7	1050.7	1229.3	1245.5	1250.0	1288.3
27.5°	1427.1	1394.6	1255.9	1090.6	1000.6	996.1	1058.1	1210.1	1221.9	1226.3	1267.7
30°	1385.7	1337.0	1186.5	1059.6	965.2	963.7	1059.6	1186.5	1183.5	1195.4	1236.7
32.5°	1342.9	1251.5	1108.3	1021.2	931.2	929.8	1049.2	1151.1	1148.1	1164.3	1195.4
35°	1303.1	1185.0	1002.1	976.9	888.4	889.9	1024.2	1109.8	1111.2	1126.0	1145.2
37.5°	1261.7	1127.5	885.5	928.3	847.1	847.1	990.2	1071.4	1068.4	1072.9	1099.5
40°	1213.1	1037.5	782.1	864.8	808.7	804.3	948.9	1030.0	1019.8	1018.3	1055.2
42.5°	1161.5	938.6	705.4	780.6	764.4	758.6	898.7	979.9	960.7	965.2	1012.3
45°	1105.3	912.1	646.4	659.7	718.7	714.3	844.1	922.4	909.1	920.9	969.6
47.5°	1049.2	858.9	627.2	547.6	670.0	668.5	783.6	866.3	858.9	870.7	922.4
50°	972.5	799.8	625.7	469.3	615.4	621.3	711.3	811.7	811.7	822.0	876.6
52.5°	873.7	727.5	568.1	425.0	551.9	569.6	647.8	764.4	767.4	777.8	826.4
55°	783.6	652.3	526.9	391.1	476.7	515.0	585.9	715.8	721.6	732.0	776.3
57.5°	701.0	543.1	518.0	351.3	407.3	444.2	531.2	668.5	671.5	680.4	723.1
60°	612.4	392.6	475.2	308.4	346.8	374.8	481.1	612.4	622.8	628.6	665.5
62.5°	512.1	284.8	431.0	278.9	317.2	323.2	439.8	559.3	572.6	577.0	599.2
65°	364.5	239.1	366.0	253.8	286.3	287.8	395.5	504.7	516.5	523.9	540.1
67.5°	246.4	194.8	278.9	230.2	262.7	264.1	352.7	441.2	457.5	463.4	473.7
70°	171.2	129.8	206.6	205.1	236.1	239.1	307.0	383.7	398.4	402.9	408.8
72.5°	125.4	104.8	171.2	184.4	208.1	211.0	259.7	318.7	333.6	337.9	340.9
75°	95.9	110.7	138.7	160.9	177.1	178.6	212.5	259.7	270.1	273.0	274.5
77.5°	76.7	103.3	101.9	129.8	144.6	141.7	166.7	200.7	209.5	209.5	209.5
80°	57.6	81.2	76.7	93.0	106.2	103.3	119.6	143.2	146.1	149.0	147.5
82.5°	42.8	51.6	51.6	59.0	70.8	67.8	79.7	93.0	93.0	93.0	95.9
85°	26.6	29.5	23.6	31.0	39.9	38.4	44.3	50.1	51.6	51.6	48.7
87.5°	16.2	13.3	7.4	11.8	17.7	17.7	20.7	22.1	20.7	20.7	20.7
90°	11.8	8.1	4.5	8.1	11.8	12.6	19.9	29.5	34.3	30.4	22.8
92.5°	79.4	48.7	18.1	48.7	79.4	87.1	122.5	169.7	193.2	169.3	121.6
95°	155.7	99.5	43.3	99.5	155.7	169.8	301.5	477.0	564.8	504.0	382.5
97.5°	174.1	124.4	74.9	124.4	174.1	186.4	406.0	698.8	845.2	806.7	729.9
100°	189.2	144.3	99.3	144.3	189.2	200.5	444.1	769.0	931.4	934.2	939.9
102.5°	204.0	162.0	120.1	162.0	204.0	214.4	461.6	791.1	955.8	1004.8	1102.8
105°	226.4	190.9	155.3	190.9	226.4	235.3	474.6	793.6	953.1	1062.9	1282.4
107.5°	257.7	224.5	191.4	224.5	257.7	266.0	477.0	758.3	899.0	1052.1	1358.3
110°	275.6	245.7	215.8	245.7	275.6	283.1	473.3	727.0	853.8	1025.0	1367.3



TEST NUMBER: P935732

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	296.7	268.2	239.7	268.2	296.7	303.8	473.4	699.6	812.7	987.9	1338.3
115°	328.5	302.2	275.8	302.2	328.5	335.0	477.9	668.2	763.5	932.2	1269.8
117.5°	359.4	335.5	311.6	335.5	359.4	365.3	486.8	648.7	729.6	881.9	1186.5
120°	377.3	354.8	332.3	354.8	377.3	382.9	494.0	642.1	716.1	855.3	1133.6
122.5°	398.0	375.3	352.7	375.3	398.0	403.7	504.4	638.6	705.7	831.0	1081.7
125°	425.1	404.4	383.8	404.4	425.1	430.3	518.3	635.7	694.4	800.9	1013.7
127.5°	450.8	429.9	409.1	429.9	450.8	456.0	532.3	634.1	684.9	776.3	959.2
130°	467.6	445.1	422.6	445.1	467.6	473.2	542.6	635.1	681.3	762.7	925.4
132.5°	481.6	459.1	436.6	459.1	481.6	487.2	550.9	635.7	678.2	751.0	896.7
135°	498.3	477.9	457.4	477.9	498.3	503.4	559.8	635.1	672.8	733.8	855.8
137.5°	519.1	498.8	478.6	498.8	519.1	524.2	573.4	639.0	671.8	723.4	826.5
140°	533.5	514.8	496.2	514.8	533.5	538.2	581.7	639.7	668.7	713.2	802.4
142.5°	544.2	527.0	509.7	527.0	544.2	548.6	588.6	642.0	668.7	707.8	786.1
145°	560.6	545.5	530.5	545.5	560.6	564.4	597.6	642.0	664.1	696.1	760.2
147.5°	580.6	566.0	551.3	566.0	580.6	584.3	610.9	646.4	664.1	689.3	739.7
150°	591.3	578.1	564.8	578.1	591.3	594.6	617.8	648.7	664.1	685.4	728.0
152.5°	598.9	588.9	578.9	588.9	598.9	601.4	622.4	650.2	664.1	682.3	718.6
155°	614.4	607.0	599.6	607.0	614.4	616.3	632.2	653.5	664.1	678.6	707.5
157.5°	629.3	622.2	615.0	622.2	629.3	631.2	642.2	656.8	664.1	675.4	697.9
160°	636.6	630.9	625.3	630.9	636.6	638.0	646.7	658.3	664.1	673.7	693.0
162.5°	644.2	639.9	635.7	639.9	644.2	645.2	651.5	660.0	664.1	672.3	688.6
165°	654.6	650.8	647.0	650.8	654.6	655.6	658.5	662.2	664.1	670.0	681.6
167.5°	661.0	659.2	657.4	659.2	661.0	661.4	663.9	667.1	668.7	672.5	680.1
170°	667.8	666.0	664.1	666.0	667.8	668.2	668.4	668.6	668.7	672.5	680.1
172.5°	668.6	668.2	667.8	668.2	668.6	668.7	668.7	668.7	668.7	671.6	677.7
175°	672.8	672.8	672.8	672.8	672.8	672.8	671.4	669.5	668.7	670.6	674.3
177.5°	672.8	672.8	672.8	672.8	672.8	672.8	671.7	670.2	669.5	671.0	674.1
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935732

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9	1559.9
2.5°	1505.3	1500.9	1506.8	1490.5	1506.8	1500.9	1505.3	1515.6	1506.8	1512.6	1518.6
5°	1320.8	1313.5	1289.8	1270.6	1289.8	1313.5	1320.8	1351.8	1366.6	1393.2	1428.6
7.5°	1180.6	1174.7	1168.8	1157.0	1168.8	1174.7	1180.6	1189.5	1204.2	1227.8	1254.4
10°	1149.6	1151.1	1160.0	1158.5	1160.0	1151.1	1149.6	1146.6	1142.3	1146.6	1162.9
12.5°	1229.3	1242.6	1291.3	1288.3	1291.3	1242.6	1229.3	1170.3	1130.4	1123.1	1126.0
15°	1320.8	1325.2	1335.6	1337.0	1335.6	1325.2	1320.8	1297.2	1177.7	1126.0	1109.8
17.5°	1329.7	1331.2	1338.5	1338.5	1338.5	1331.2	1329.7	1319.3	1279.4	1210.1	1118.6
20°	1322.3	1325.2	1340.0	1342.9	1340.0	1325.2	1322.3	1309.0	1286.9	1261.7	1192.4
22.5°	1319.3	1325.2	1337.0	1335.6	1337.0	1325.2	1319.3	1298.6	1279.4	1261.7	1233.8
25°	1304.6	1304.6	1306.0	1307.5	1306.0	1304.6	1304.6	1288.3	1250.0	1245.5	1229.3
27.5°	1273.6	1276.6	1285.4	1283.9	1285.4	1276.6	1273.6	1267.7	1226.3	1221.9	1210.1
30°	1245.5	1242.6	1235.2	1229.3	1235.2	1242.6	1245.5	1236.7	1195.4	1183.5	1186.5
32.5°	1198.3	1190.9	1183.5	1179.2	1183.5	1190.9	1198.3	1195.4	1164.3	1148.1	1151.1
35°	1142.3	1143.7	1142.3	1137.8	1142.3	1143.7	1142.3	1145.2	1126.0	1111.2	1109.8
37.5°	1102.4	1105.3	1103.9	1098.0	1103.9	1105.3	1102.4	1099.5	1072.9	1068.4	1071.4
40°	1061.1	1062.6	1061.1	1056.6	1061.1	1062.6	1061.1	1055.2	1018.3	1019.8	1030.0
42.5°	1021.2	1019.8	1015.3	1012.3	1015.3	1019.8	1021.2	1012.3	965.2	960.7	979.9
45°	975.5	976.9	968.1	963.7	968.1	976.9	975.5	969.6	920.9	909.1	922.4
47.5°	929.8	929.8	922.4	917.9	922.4	929.8	929.8	922.4	870.7	858.9	866.3
50°	881.0	879.5	869.2	867.8	869.2	879.5	881.0	876.6	822.0	811.7	811.7
52.5°	824.9	824.9	826.4	829.4	826.4	824.9	824.9	826.4	777.8	767.4	764.4
55°	776.3	777.8	788.1	791.0	788.1	777.8	776.3	776.3	732.0	721.6	715.8
57.5°	726.1	726.1	733.5	733.5	733.5	726.1	726.1	723.1	680.4	671.5	668.5
60°	668.5	671.5	677.4	675.9	677.4	671.5	668.5	665.5	628.6	622.8	612.4
62.5°	608.0	610.9	612.4	609.5	612.4	610.9	608.0	599.2	577.0	572.6	559.3
65°	544.6	547.6	548.9	546.1	548.9	547.6	544.6	540.1	523.9	516.5	504.7
67.5°	479.6	478.1	476.7	482.6	476.7	478.1	479.6	473.7	463.4	457.5	441.2
70°	413.2	413.2	411.8	414.7	411.8	413.2	413.2	408.8	402.9	398.4	383.7
72.5°	342.4	340.9	346.8	342.4	346.8	340.9	342.4	340.9	337.9	333.6	318.7
75°	273.0	276.0	273.0	277.5	273.0	276.0	273.0	274.5	273.0	270.1	259.7
77.5°	208.1	211.0	208.1	208.1	208.1	211.0	208.1	209.5	209.5	209.5	200.7
80°	147.5	146.1	146.1	144.6	146.1	146.1	147.5	147.5	149.0	146.1	143.2
82.5°	94.4	93.0	93.0	95.9	93.0	93.0	94.4	95.9	93.0	93.0	93.0
85°	51.6	53.1	50.1	50.1	50.1	53.1	51.6	48.7	51.6	51.6	50.1
87.5°	19.2	17.7	17.7	17.7	17.7	17.7	19.2	20.7	20.7	20.7	22.1
90°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	22.8	30.4	34.3	29.5
92.5°	85.8	82.4	68.7	55.1	68.7	82.4	85.8	121.6	169.3	193.2	169.7
95°	291.3	280.9	239.5	198.2	239.5	280.9	291.3	382.5	504.0	564.8	477.0
97.5°	672.3	652.6	574.0	495.3	574.0	652.6	672.3	729.9	806.7	845.2	698.8
100°	944.1	920.6	826.9	733.2	826.9	920.6	944.1	939.9	934.2	931.4	769.0
102.5°	1176.2	1156.1	1075.8	995.6	1075.8	1156.1	1176.2	1102.8	1004.8	955.8	791.1
105°	1447.1	1436.2	1393.2	1350.0	1393.2	1436.2	1447.1	1282.4	1062.9	953.1	793.6
107.5°	1587.9	1590.5	1601.0	1611.4	1601.0	1590.5	1587.9	1358.3	1052.1	899.0	758.3
110°	1624.1	1635.3	1680.2	1725.1	1680.2	1635.3	1624.1	1367.3	1025.0	853.8	727.0



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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	1601.1	1618.3	1687.3	1756.4	1687.3	1618.3	1601.1	1338.3	987.9	812.7	699.6
115°	1522.9	1546.8	1642.6	1738.3	1642.6	1546.8	1522.9	1269.8	932.2	763.5	668.2
117.5°	1415.0	1441.5	1547.7	1653.8	1547.7	1441.5	1415.0	1186.5	881.9	729.6	648.7
120°	1342.3	1368.1	1471.2	1574.4	1471.2	1368.1	1342.3	1133.6	855.3	716.1	642.1
122.5°	1269.6	1295.1	1396.7	1498.5	1396.7	1295.1	1269.6	1081.7	831.0	705.7	638.6
125°	1173.4	1196.9	1290.5	1384.3	1290.5	1196.9	1173.4	1013.7	800.9	694.4	635.7
127.5°	1096.2	1116.0	1195.0	1274.1	1195.0	1116.0	1096.2	959.2	776.3	684.9	634.1
130°	1047.5	1065.7	1138.8	1211.9	1138.8	1065.7	1047.5	925.4	762.7	681.3	635.1
132.5°	1006.0	1022.3	1087.7	1153.1	1087.7	1022.3	1006.0	896.7	751.0	678.2	635.7
135°	947.3	961.4	1017.8	1074.1	1017.8	961.4	947.3	855.8	733.8	672.8	635.1
137.5°	903.9	915.4	961.6	1007.7	961.6	915.4	903.9	826.5	723.4	671.8	639.0
140°	869.2	880.0	923.0	966.2	923.0	880.0	869.2	802.4	713.2	668.7	639.7
142.5°	844.7	854.0	891.1	928.3	891.1	854.0	844.7	786.1	707.8	668.7	642.0
145°	808.2	815.3	843.3	871.4	843.3	815.3	808.2	760.2	696.1	664.1	642.0
147.5°	777.5	783.3	806.5	829.8	806.5	783.3	777.5	739.7	689.3	664.1	646.4
150°	759.9	764.6	783.5	802.4	783.5	764.6	759.9	728.0	685.4	664.1	648.7
152.5°	745.9	749.4	763.6	777.9	763.6	749.4	745.9	718.6	682.3	664.1	650.2
155°	729.2	731.5	741.0	750.4	741.0	731.5	729.2	707.5	678.6	664.1	653.5
157.5°	714.7	716.4	723.0	729.6	723.0	716.4	714.7	697.9	675.4	664.1	656.8
160°	707.5	708.4	712.3	716.1	712.3	708.4	707.5	693.0	673.7	664.1	658.3
162.5°	700.8	701.6	705.3	708.9	705.3	701.6	700.8	688.6	672.3	664.1	660.0
165°	690.3	691.3	695.1	698.9	695.1	691.3	690.3	681.6	670.0	664.1	662.2
167.5°	685.9	686.3	687.9	689.4	687.9	686.3	685.9	680.1	672.5	668.7	667.1
170°	685.9	685.9	685.9	685.9	685.9	685.9	685.9	680.1	672.5	668.7	668.6
172.5°	682.2	681.8	680.4	679.1	680.4	681.8	682.2	677.7	671.6	668.7	668.7
175°	677.2	677.2	677.2	677.2	677.2	677.2	677.2	674.3	670.6	668.7	669.5
177.5°	676.3	675.9	674.3	672.8	674.3	675.9	676.3	674.1	671.0	669.5	670.2
180°	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935732

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1559.9	1559.9	1559.9	1559.9	1559.9
2.5°	1540.7	1548.0	1552.5	1558.4	1573.1
5°	1481.7	1509.7	1518.6	1540.7	1567.2
7.5°	1351.8	1437.4	1461.0	1514.1	1555.4
10°	1226.3	1312.0	1353.3	1478.7	1540.7
12.5°	1162.9	1213.1	1241.1	1416.7	1520.0
15°	1123.1	1158.5	1179.2	1334.1	1496.4
17.5°	1092.0	1117.2	1131.9	1252.9	1464.0
20°	1072.9	1084.7	1098.0	1193.9	1427.1
22.5°	1059.6	1052.2	1062.6	1152.6	1376.9
25°	1050.7	1022.7	1034.5	1120.1	1317.8
27.5°	1058.1	996.1	1000.6	1090.6	1255.9
30°	1059.6	963.7	965.2	1059.6	1186.5
32.5°	1049.2	929.8	931.2	1021.2	1108.3
35°	1024.2	889.9	888.4	976.9	1002.1
37.5°	990.2	847.1	847.1	928.3	885.5
40°	948.9	804.3	808.7	864.8	782.1
42.5°	898.7	758.6	764.4	780.6	705.4
45°	844.1	714.3	718.7	659.7	646.4
47.5°	783.6	668.5	670.0	547.6	627.2
50°	711.3	621.3	615.4	469.3	625.7
52.5°	647.8	569.6	551.9	425.0	568.1
55°	585.9	515.0	476.7	391.1	526.9
57.5°	531.2	444.2	407.3	351.3	518.0
60°	481.1	374.8	346.8	308.4	475.2
62.5°	439.8	323.2	317.2	278.9	431.0
65°	395.5	287.8	286.3	253.8	366.0
67.5°	352.7	264.1	262.7	230.2	278.9
70°	307.0	239.1	236.1	205.1	206.6
72.5°	259.7	211.0	208.1	184.4	171.2
75°	212.5	178.6	177.1	160.9	138.7
77.5°	166.7	141.7	144.6	129.8	101.9
80°	119.6	103.3	106.2	93.0	76.7
82.5°	79.7	67.8	70.8	59.0	51.6
85°	44.3	38.4	39.9	31.0	23.6
87.5°	20.7	17.7	17.7	11.8	7.4
90°	19.9	12.6	11.8	8.1	4.5
92.5°	122.5	87.1	79.4	48.7	18.1
95°	301.5	169.8	155.7	99.5	43.3
97.5°	406.0	186.4	174.1	124.4	74.9
100°	444.1	200.5	189.2	144.3	99.3
102.5°	461.6	214.4	204.0	162.0	120.1
105°	474.6	235.3	226.4	190.9	155.3
107.5°	477.0	266.0	257.7	224.5	191.4
110°	473.3	283.1	275.6	245.7	215.8



TEST NUMBER: P935732

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	473.4	303.8	296.7	268.2	239.7
115°	477.9	335.0	328.5	302.2	275.8
117.5°	486.8	365.3	359.4	335.5	311.6
120°	494.0	382.9	377.3	354.8	332.3
122.5°	504.4	403.7	398.0	375.3	352.7
125°	518.3	430.3	425.1	404.4	383.8
127.5°	532.3	456.0	450.8	429.9	409.1
130°	542.6	473.2	467.6	445.1	422.6
132.5°	550.9	487.2	481.6	459.1	436.6
135°	559.8	503.4	498.3	477.9	457.4
137.5°	573.4	524.2	519.1	498.8	478.6
140°	581.7	538.2	533.5	514.8	496.2
142.5°	588.6	548.6	544.2	527.0	509.7
145°	597.6	564.4	560.6	545.5	530.5
147.5°	610.9	584.3	580.6	566.0	551.3
150°	617.8	594.6	591.3	578.1	564.8
152.5°	622.4	601.4	598.9	588.9	578.9
155°	632.2	616.3	614.4	607.0	599.6
157.5°	642.2	631.2	629.3	622.2	615.0
160°	646.7	638.0	636.6	630.9	625.3
162.5°	651.5	645.2	644.2	639.9	635.7
165°	658.5	655.6	654.6	650.8	647.0
167.5°	663.9	661.4	661.0	659.2	657.4
170°	668.4	668.2	667.8	666.0	664.1
172.5°	668.7	668.7	668.6	668.2	667.8
175°	671.4	672.8	672.8	672.8	672.8
177.5°	671.7	672.8	672.8	672.8	672.8
180°	672.8	672.8	672.8	672.8	672.8



TEST NUMBER: P935732

CATALOG NUMBER: SQ4-FA-125U-125D-92765-1D-UNV-STD-W-4-3000K

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	13.90	14.75	14.88	15.73	17.03	16.70	17.54	17.67	18.53	19.83
	3H	14.38	15.14	15.36	16.13	17.45	18.03	18.79	19.02	19.79	21.11
	4H	14.57	15.29	15.57	16.29	17.61	18.47	19.19	19.47	20.19	21.52
	6H	14.69	15.35	15.70	16.35	17.69	18.75	19.41	19.76	20.41	21.75
	8H	14.69	15.32	15.70	16.34	17.67	18.82	19.45	19.83	20.47	21.80
	12H	14.66	15.26	15.68	16.27	17.63	18.85	19.45	19.87	20.46	21.82
4H	2H	14.93	15.64	15.93	16.64	17.97	17.11	17.83	18.11	18.83	20.15
	3H	15.95	16.55	16.96	17.58	18.92	18.60	19.20	19.62	20.23	21.57
	4H	16.23	16.77	17.25	17.79	19.16	19.12	19.67	20.15	20.69	22.06
	6H	16.35	16.82	17.38	17.87	19.23	19.48	19.95	20.51	20.99	22.36
	8H	16.36	16.80	17.39	17.83	19.21	19.58	20.02	20.62	21.06	22.43
	12H	16.32	16.72	17.37	17.77	19.15	19.63	20.03	20.68	21.08	22.46
8H	4H	16.67	17.11	17.71	18.15	19.53	19.25	19.69	20.28	20.72	22.10
	6H	16.93	17.30	17.99	18.38	19.75	19.68	20.04	20.73	21.12	22.49
	8H	16.98	17.30	18.04	18.36	19.75	19.82	20.14	20.89	21.21	22.60
	12H	16.96	17.24	18.03	18.30	19.73	19.91	20.20	20.98	21.25	22.69
12H	4H	16.68	17.07	17.73	18.13	19.51	19.21	19.61	20.26	20.66	22.04
	6H	16.99	17.31	18.06	18.38	19.77	19.67	19.99	20.74	21.06	22.45
	8H	17.06	17.34	18.13	18.40	19.83	19.83	20.11	20.90	21.17	22.60