

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: P934532

Luminaire Tested: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-4-3000K

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P934532
REPORT IS A COMBINATION OF REPORTS P933702 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-050U-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: -

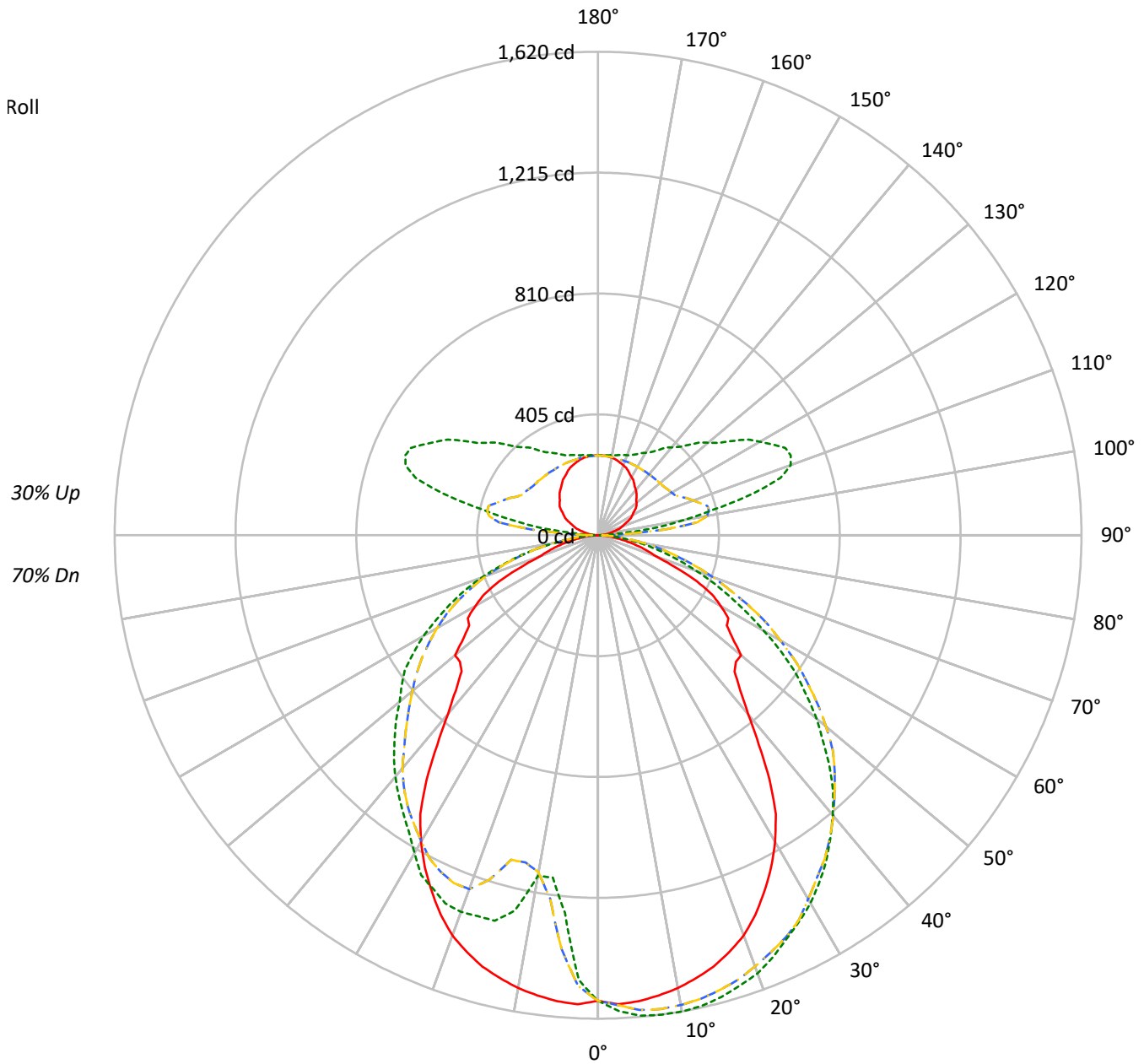
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5781.5 lumens
Efficiency: N/A
Efficacy: 103.2 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: Semi-Direct

Input Watts (W): 56
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	74	74	74	70
1	102	98	94	90	97	93	89	86	83	80	78	74	72	70	66	65	63	63	63	63	59
2	93	86	79	74	88	81	76	71	73	68	65	65	62	59	58	56	53	53	53	53	50
3	85	75	68	62	80	71	65	59	64	59	54	58	53	50	52	48	45	45	45	45	42
4	78	67	58	52	73	63	56	50	57	51	46	51	47	43	46	42	39	39	39	39	36
5	72	60	51	45	67	57	49	43	51	45	40	46	41	37	41	37	34	34	34	34	31
6	66	53	45	39	62	51	43	38	46	40	35	42	36	32	38	33	30	30	30	30	27
7	61	48	40	34	58	46	39	33	42	36	31	38	33	29	34	30	27	27	27	27	24
8	57	44	36	30	54	42	35	29	38	32	28	35	30	26	31	27	24	24	24	24	22
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	25	21	21	21	21	19
10	49	37	30	25	47	35	28	24	32	26	22	30	25	21	27	23	19	19	19	19	18

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	2.4
10°-20°	399.8	6.9
20°-30°	618.0	10.7
30°-40°	737.8	12.8
40°-50°	742.1	12.8
50°-60°	645.7	11.2
60°-70°	457.8	7.9
70°-80°	242.2	4.2
80°-90°	61.3	1.1
90°-100°	130.5	2.3
100°-110°	343.2	5.9
110°-120°	355.9	6.2
120°-130°	285.4	4.9
130°-140°	224.0	3.9
140°-150°	171.9	3.0
150°-160°	123.8	2.1
160°-170°	75.7	1.3
170°-180°	25.6	0.4
0°-30°	1158.6	20.0
0°-40°	1896.4	32.8
0°-60°	3284.1	56.8
0°-90°	4045.5	70.0
90°-120°	829.6	14.3
90°-150°	1510.9	26.1
90°-180°	1736.0	30.0
0°-180°	5781.5	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°	2	7	2	7	2	2
95°	17	79	17	79	17	19
105°	62	537	62	537	62	66
115°	110	692	110	692	110	108
125°	153	551	153	551	153	136
135°	182	428	182	428	182	141
145°	211	347	211	347	211	132
155°	239	299	239	299	239	110
165°	258	278	258	278	258	73
175°	268	270	268	270	268	25
180°	268	268	268	268	268	



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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°	1.8	3.2	4.7	5.1	7.9	11.8	13.7	12.1	9.1	6.8	6.8
92.5°	7.2	19.4	31.7	34.7	48.7	67.5	76.9	67.4	48.4	34.2	32.8
95°	17.3	39.6	62.0	67.6	120.0	189.8	224.8	200.6	152.2	115.9	111.8
97.5°	29.8	49.5	69.2	74.2	161.6	278.2	336.4	321.2	290.6	267.6	259.8
100°	39.5	57.4	75.3	79.8	176.8	306.1	370.8	371.9	374.2	375.8	366.5
102.5°	47.8	64.5	81.2	85.4	183.7	314.9	380.5	400.0	439.0	468.2	460.2
105°	61.8	76.0	90.1	93.7	188.9	315.9	379.4	423.1	510.5	576.1	571.8
107.5°	76.2	89.4	102.6	105.9	189.8	301.9	357.9	418.8	540.7	632.1	633.2
110°	85.9	97.8	109.7	112.7	188.4	289.4	339.9	408.0	544.3	646.5	651.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	95.4	106.7	118.1	121.0	188.4	278.5	323.5	393.3	532.7	637.4	644.3
115°	109.8	120.3	130.7	133.3	190.2	266.0	303.9	371.1	505.4	606.2	615.7
117.5°	124.0	133.5	143.0	145.4	193.8	258.2	290.5	351.1	472.3	563.2	573.8
120°	132.3	141.3	150.2	152.4	196.6	255.6	285.1	340.4	451.3	534.4	544.7
122.5°	140.4	149.5	158.4	160.7	200.7	254.2	280.9	330.8	430.6	505.4	515.5
125°	152.8	161.0	169.2	171.3	206.3	253.1	276.4	318.8	403.6	467.1	476.5
127.5°	162.8	171.2	179.5	181.6	211.9	252.5	272.7	309.0	381.8	436.4	444.2
130°	168.2	177.2	186.1	188.4	216.0	252.8	271.2	303.6	368.4	417.0	424.2
132.5°	173.8	182.8	191.7	193.9	219.3	253.1	270.0	298.9	356.9	400.4	407.0
135°	182.1	190.2	198.4	200.4	222.9	252.8	267.8	292.0	340.6	377.1	382.6
137.5°	190.5	198.6	206.7	208.7	228.3	254.4	267.5	287.9	329.0	359.8	364.4
140°	197.5	204.9	212.4	214.3	231.5	254.6	266.1	283.9	319.4	346.0	350.3
142.5°	202.9	209.8	216.6	218.4	234.3	255.5	266.1	281.8	312.9	336.3	339.9
145°	211.2	217.1	223.2	224.6	237.9	255.6	264.4	277.1	302.6	321.7	324.5
147.5°	219.5	225.3	231.1	232.6	243.2	257.3	264.4	274.4	294.5	309.5	311.8
150°	224.8	230.0	235.4	236.7	245.9	258.2	264.4	272.9	289.8	302.5	304.4
152.5°	230.4	234.4	238.4	239.4	247.7	258.8	264.4	271.6	286.1	296.9	298.3
155°	238.7	241.6	244.6	245.3	251.7	260.1	264.4	270.2	281.7	290.3	291.3
157.5°	244.8	247.7	250.5	251.2	255.6	261.4	264.4	268.8	277.8	284.5	285.2
160°	249.0	251.1	253.4	253.9	257.4	262.0	264.4	268.2	275.9	281.7	282.0
162.5°	253.1	254.7	256.4	256.8	259.3	262.7	264.4	267.6	274.1	279.0	279.3
165°	257.6	259.1	260.7	261.0	262.1	263.6	264.4	266.7	271.3	274.8	275.1
167.5°	261.7	262.4	263.1	263.3	264.2	265.5	266.1	267.7	270.8	273.0	273.2
170°	264.4	265.1	265.8	266.0	266.1	266.1	266.1	267.7	270.8	273.0	273.0
172.5°	265.8	266.0	266.1	266.1	266.1	266.1	266.1	267.4	269.7	271.6	271.4
175°	267.8	267.8	267.8	267.8	267.3	266.5	266.1	266.9	268.5	269.6	269.6
177.5°	267.8	267.8	267.8	267.8	267.4	266.8	266.6	267.2	268.4	269.3	269.1
180°	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8



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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°	6.8	6.8	6.8	6.8	6.8	9.1	12.1	13.7	11.8	7.9	5.1
92.5°	27.4	21.9	27.4	32.8	34.2	48.4	67.4	76.9	67.5	48.7	34.7
95°	95.3	78.9	95.3	111.8	115.9	152.2	200.6	224.8	189.8	120.0	67.6
97.5°	228.5	197.2	228.5	259.8	267.6	290.6	321.2	336.4	278.2	161.6	74.2
100°	329.2	291.9	329.2	366.5	375.8	374.2	371.9	370.8	306.1	176.8	79.8
102.5°	428.3	396.3	428.3	460.2	468.2	439.0	400.0	380.5	314.9	183.7	85.4
105°	554.6	537.4	554.6	571.8	576.1	510.5	423.1	379.4	315.9	188.9	93.7
107.5°	637.3	641.5	637.3	633.2	632.1	540.7	418.8	357.9	301.9	189.8	105.9
110°	668.9	686.7	668.9	651.0	646.5	544.3	408.0	339.9	289.4	188.4	112.7



TEST NUMBER: P934532

CATALOG NUMBER: SQ4-FA-050U-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°	671.7	699.2	671.7	644.3	637.4	532.7	393.3	323.5	278.5	188.4	121.0
115°	653.9	692.0	653.9	615.7	606.2	505.4	371.1	303.9	266.0	190.2	133.3
117.5°	616.1	658.4	616.1	573.8	563.2	472.3	351.1	290.5	258.2	193.8	145.4
120°	585.7	626.7	585.7	544.7	534.4	451.3	340.4	285.1	255.6	196.6	152.4
122.5°	556.1	596.6	556.1	515.5	505.4	430.6	330.8	280.9	254.2	200.7	160.7
125°	513.7	551.0	513.7	476.5	467.1	403.6	318.8	276.4	253.1	206.3	171.3
127.5°	475.7	507.2	475.7	444.2	436.4	381.8	309.0	272.7	252.5	211.9	181.6
130°	453.4	482.4	453.4	424.2	417.0	368.4	303.6	271.2	252.8	216.0	188.4
132.5°	433.0	459.0	433.0	407.0	400.4	356.9	298.9	270.0	253.1	219.3	193.9
135°	405.1	427.6	405.1	382.6	377.1	340.6	292.0	267.8	252.8	222.9	200.4
137.5°	382.7	401.1	382.7	364.4	359.8	329.0	287.9	267.5	254.4	228.3	208.7
140°	367.5	384.7	367.5	350.3	346.0	319.4	283.9	266.1	254.6	231.5	214.3
142.5°	354.7	369.6	354.7	339.9	336.3	312.9	281.8	266.1	255.5	234.3	218.4
145°	335.7	346.9	335.7	324.5	321.7	302.6	277.1	264.4	255.6	237.9	224.6
147.5°	321.1	330.3	321.1	311.8	309.5	294.5	274.4	264.4	257.3	243.2	232.6
150°	311.9	319.4	311.9	304.4	302.5	289.8	272.9	264.4	258.2	245.9	236.7
152.5°	304.0	309.7	304.0	298.3	296.9	286.1	271.6	264.4	258.8	247.7	239.4
155°	295.0	298.8	295.0	291.3	290.3	281.7	270.2	264.4	260.1	251.7	245.3
157.5°	287.9	290.5	287.9	285.2	284.5	277.8	268.8	264.4	261.4	255.6	251.2
160°	283.6	285.1	283.6	282.0	281.7	275.9	268.2	264.4	262.0	257.4	253.9
162.5°	280.8	282.2	280.8	279.3	279.0	274.1	267.6	264.4	262.7	259.3	256.8
165°	276.7	278.3	276.7	275.1	274.8	271.3	266.7	264.4	263.6	262.1	261.0
167.5°	273.8	274.4	273.8	273.2	273.0	270.8	267.7	266.1	265.5	264.2	263.3
170°	273.0	273.0	273.0	273.0	273.0	270.8	267.7	266.1	266.1	266.1	266.0
172.5°	270.9	270.3	270.9	271.4	271.6	269.7	267.4	266.1	266.1	266.1	266.1
175°	269.6	269.6	269.6	269.6	269.6	268.5	266.9	266.1	266.5	267.3	267.8
177.5°	268.5	267.8	268.5	269.1	269.3	268.4	267.2	266.6	266.8	267.4	267.8
180°	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8



TEST NUMBER: P934532

CATALOG NUMBER: SQ4-FA-050U-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°	4.7	3.2	1.8	3.2	4.7	5.1	7.9	11.8	13.7	12.1	9.1
92.5°	31.7	19.4	7.2	19.4	31.7	34.7	48.7	67.5	76.9	67.4	48.4
95°	62.0	39.6	17.3	39.6	62.0	67.6	120.0	189.8	224.8	200.6	152.2
97.5°	69.2	49.5	29.8	49.5	69.2	74.2	161.6	278.2	336.4	321.2	290.6
100°	75.3	57.4	39.5	57.4	75.3	79.8	176.8	306.1	370.8	371.9	374.2
102.5°	81.2	64.5	47.8	64.5	81.2	85.4	183.7	314.9	380.5	400.0	439.0
105°	90.1	76.0	61.8	76.0	90.1	93.7	188.9	315.9	379.4	423.1	510.5
107.5°	102.6	89.4	76.2	89.4	102.6	105.9	189.8	301.9	357.9	418.8	540.7
110°	109.7	97.8	85.9	97.8	109.7	112.7	188.4	289.4	339.9	408.0	544.3



TEST NUMBER: P934532

CATALOG NUMBER: SQ4-FA-050U-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°	118.1	106.7	95.4	106.7	118.1	121.0	188.4	278.5	323.5	393.3	532.7
115°	130.7	120.3	109.8	120.3	130.7	133.3	190.2	266.0	303.9	371.1	505.4
117.5°	143.0	133.5	124.0	133.5	143.0	145.4	193.8	258.2	290.5	351.1	472.3
120°	150.2	141.3	132.3	141.3	150.2	152.4	196.6	255.6	285.1	340.4	451.3
122.5°	158.4	149.5	140.4	149.5	158.4	160.7	200.7	254.2	280.9	330.8	430.6
125°	169.2	161.0	152.8	161.0	169.2	171.3	206.3	253.1	276.4	318.8	403.6
127.5°	179.5	171.2	162.8	171.2	179.5	181.6	211.9	252.5	272.7	309.0	381.8
130°	186.1	177.2	168.2	177.2	186.1	188.4	216.0	252.8	271.2	303.6	368.4
132.5°	191.7	182.8	173.8	182.8	191.7	193.9	219.3	253.1	270.0	298.9	356.9
135°	198.4	190.2	182.1	190.2	198.4	200.4	222.9	252.8	267.8	292.0	340.6
137.5°	206.7	198.6	190.5	198.6	206.7	208.7	228.3	254.4	267.5	287.9	329.0
140°	212.4	204.9	197.5	204.9	212.4	214.3	231.5	254.6	266.1	283.9	319.4
142.5°	216.6	209.8	202.9	209.8	216.6	218.4	234.3	255.5	266.1	281.8	312.9
145°	223.2	217.1	211.2	217.1	223.2	224.6	237.9	255.6	264.4	277.1	302.6
147.5°	231.1	225.3	219.5	225.3	231.1	232.6	243.2	257.3	264.4	274.4	294.5
150°	235.4	230.0	224.8	230.0	235.4	236.7	245.9	258.2	264.4	272.9	289.8
152.5°	238.4	234.4	230.4	234.4	238.4	239.4	247.7	258.8	264.4	271.6	286.1
155°	244.6	241.6	238.7	241.6	244.6	245.3	251.7	260.1	264.4	270.2	281.7
157.5°	250.5	247.7	244.8	247.7	250.5	251.2	255.6	261.4	264.4	268.8	277.8
160°	253.4	251.1	249.0	251.1	253.4	253.9	257.4	262.0	264.4	268.2	275.9
162.5°	256.4	254.7	253.1	254.7	256.4	256.8	259.3	262.7	264.4	267.6	274.1
165°	260.7	259.1	257.6	259.1	260.7	261.0	262.1	263.6	264.4	266.7	271.3
167.5°	263.1	262.4	261.7	262.4	263.1	263.3	264.2	265.5	266.1	267.7	270.8
170°	265.8	265.1	264.4	265.1	265.8	266.0	266.1	266.1	266.1	267.7	270.8
172.5°	266.1	266.0	265.8	266.0	266.1	266.1	266.1	266.1	266.1	267.4	269.7
175°	267.8	267.8	267.8	267.8	267.8	267.8	267.3	266.5	266.1	266.9	268.5
177.5°	267.8	267.8	267.8	267.8	267.8	267.8	267.4	266.8	266.6	267.2	268.4
180°	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8



TEST NUMBER: P934532

CATALOG NUMBER: SQ4-FA-050U-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°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	9.1	12.1	13.7	11.8
92.5°	34.2	32.8	27.4	21.9	27.4	32.8	34.2	48.4	67.4	76.9	67.5
95°	115.9	111.8	95.3	78.9	95.3	111.8	115.9	152.2	200.6	224.8	189.8
97.5°	267.6	259.8	228.5	197.2	228.5	259.8	267.6	290.6	321.2	336.4	278.2
100°	375.8	366.5	329.2	291.9	329.2	366.5	375.8	374.2	371.9	370.8	306.1
102.5°	468.2	460.2	428.3	396.3	428.3	460.2	468.2	439.0	400.0	380.5	314.9
105°	576.1	571.8	554.6	537.4	554.6	571.8	576.1	510.5	423.1	379.4	315.9
107.5°	632.1	633.2	637.3	641.5	637.3	633.2	632.1	540.7	418.8	357.9	301.9
110°	646.5	651.0	668.9	686.7	668.9	651.0	646.5	544.3	408.0	339.9	289.4



TEST NUMBER: P934532

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	637.4	644.3	671.7	699.2	671.7	644.3	637.4	532.7	393.3	323.5	278.5
115°	606.2	615.7	653.9	692.0	653.9	615.7	606.2	505.4	371.1	303.9	266.0
117.5°	563.2	573.8	616.1	658.4	616.1	573.8	563.2	472.3	351.1	290.5	258.2
120°	534.4	544.7	585.7	626.7	585.7	544.7	534.4	451.3	340.4	285.1	255.6
122.5°	505.4	515.5	556.1	596.6	556.1	515.5	505.4	430.6	330.8	280.9	254.2
125°	467.1	476.5	513.7	551.0	513.7	476.5	467.1	403.6	318.8	276.4	253.1
127.5°	436.4	444.2	475.7	507.2	475.7	444.2	436.4	381.8	309.0	272.7	252.5
130°	417.0	424.2	453.4	482.4	453.4	424.2	417.0	368.4	303.6	271.2	252.8
132.5°	400.4	407.0	433.0	459.0	433.0	407.0	400.4	356.9	298.9	270.0	253.1
135°	377.1	382.6	405.1	427.6	405.1	382.6	377.1	340.6	292.0	267.8	252.8
137.5°	359.8	364.4	382.7	401.1	382.7	364.4	359.8	329.0	287.9	267.5	254.4
140°	346.0	350.3	367.5	384.7	367.5	350.3	346.0	319.4	283.9	266.1	254.6
142.5°	336.3	339.9	354.7	369.6	354.7	339.9	336.3	312.9	281.8	266.1	255.5
145°	321.7	324.5	335.7	346.9	335.7	324.5	321.7	302.6	277.1	264.4	255.6
147.5°	309.5	311.8	321.1	330.3	321.1	311.8	309.5	294.5	274.4	264.4	257.3
150°	302.5	304.4	311.9	319.4	311.9	304.4	302.5	289.8	272.9	264.4	258.2
152.5°	296.9	298.3	304.0	309.7	304.0	298.3	296.9	286.1	271.6	264.4	258.8
155°	290.3	291.3	295.0	298.8	295.0	291.3	290.3	281.7	270.2	264.4	260.1
157.5°	284.5	285.2	287.9	290.5	287.9	285.2	284.5	277.8	268.8	264.4	261.4
160°	281.7	282.0	283.6	285.1	283.6	282.0	281.7	275.9	268.2	264.4	262.0
162.5°	279.0	279.3	280.8	282.2	280.8	279.3	279.0	274.1	267.6	264.4	262.7
165°	274.8	275.1	276.7	278.3	276.7	275.1	274.8	271.3	266.7	264.4	263.6
167.5°	273.0	273.2	273.8	274.4	273.8	273.2	273.0	270.8	267.7	266.1	265.5
170°	273.0	273.0	273.0	273.0	273.0	273.0	273.0	270.8	267.7	266.1	266.1
172.5°	271.6	271.4	270.9	270.3	270.9	271.4	271.6	269.7	267.4	266.1	266.1
175°	269.6	269.6	269.6	269.6	269.6	269.6	269.6	268.5	266.9	266.1	266.5
177.5°	269.3	269.1	268.5	267.8	268.5	269.1	269.3	268.4	267.2	266.6	266.8
180°	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8	267.8



TEST NUMBER: P934532

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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°	7.9	5.1	4.7	3.2	1.8
92.5°	48.7	34.7	31.7	19.4	7.2
95°	120.0	67.6	62.0	39.6	17.3
97.5°	161.6	74.2	69.2	49.5	29.8
100°	176.8	79.8	75.3	57.4	39.5
102.5°	183.7	85.4	81.2	64.5	47.8
105°	188.9	93.7	90.1	76.0	61.8
107.5°	189.8	105.9	102.6	89.4	76.2
110°	188.4	112.7	109.7	97.8	85.9



TEST NUMBER: P934532

CATALOG NUMBER: SQ4-FA-050U-125D-92765-1D-UNV-STD-W-4-3000K

CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	188.4	121.0	118.1	106.7	95.4
115°	190.2	133.3	130.7	120.3	109.8
117.5°	193.8	145.4	143.0	133.5	124.0
120°	196.6	152.4	150.2	141.3	132.3
122.5°	200.7	160.7	158.4	149.5	140.4
125°	206.3	171.3	169.2	161.0	152.8
127.5°	211.9	181.6	179.5	171.2	162.8
130°	216.0	188.4	186.1	177.2	168.2
132.5°	219.3	193.9	191.7	182.8	173.8
135°	222.9	200.4	198.4	190.2	182.1
137.5°	228.3	208.7	206.7	198.6	190.5
140°	231.5	214.3	212.4	204.9	197.5
142.5°	234.3	218.4	216.6	209.8	202.9
145°	237.9	224.6	223.2	217.1	211.2
147.5°	243.2	232.6	231.1	225.3	219.5
150°	245.9	236.7	235.4	230.0	224.8
152.5°	247.7	239.4	238.4	234.4	230.4
155°	251.7	245.3	244.6	241.6	238.7
157.5°	255.6	251.2	250.5	247.7	244.8
160°	257.4	253.9	253.4	251.1	249.0
162.5°	259.3	256.8	256.4	254.7	253.1
165°	262.1	261.0	260.7	259.1	257.6
167.5°	264.2	263.3	263.1	262.4	261.7
170°	266.1	266.0	265.8	265.1	264.4
172.5°	266.1	266.1	266.1	266.0	265.8
175°	267.3	267.8	267.8	267.8	267.8
177.5°	267.4	267.8	267.8	267.8	267.8
180°	267.8	267.8	267.8	267.8	267.8



TEST NUMBER: P934532
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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	15.75	16.82	16.51	17.61	18.56	18.54	19.62	19.31	20.40	21.36
	3H	16.24	17.20	17.02	18.00	18.98	19.89	20.86	20.67	21.66	22.64
	4H	16.44	17.35	17.24	18.16	19.15	20.34	21.25	21.14	22.06	23.05
	6H	16.57	17.41	17.38	18.22	19.23	20.63	21.47	21.44	22.28	23.29
	8H	16.58	17.38	17.40	18.21	19.22	20.71	21.51	21.52	22.34	23.35
	12H	16.56	17.32	17.38	18.14	19.18	20.75	21.51	21.57	22.34	23.37
4H	2H	16.80	17.71	17.60	18.51	19.51	18.98	19.89	19.78	20.70	21.69
	3H	17.84	18.60	18.65	19.44	20.45	20.50	21.25	21.31	22.09	23.11
	4H	18.13	18.82	18.95	19.66	20.70	21.03	21.72	21.85	22.55	23.59
	6H	18.27	18.86	19.11	19.72	20.77	21.40	21.99	22.24	22.85	23.90
	8H	18.28	18.83	19.12	19.69	20.75	21.50	22.06	22.35	22.92	23.97
	12H	18.25	18.76	19.12	19.63	20.70	21.56	22.07	22.43	22.94	24.01
8H	4H	18.59	19.15	19.44	20.01	21.07	21.17	21.73	22.01	22.58	23.64
	6H	18.86	19.33	19.74	20.22	21.28	21.61	22.07	22.48	22.97	24.02
	8H	18.91	19.32	19.79	20.21	21.29	21.75	22.16	22.64	23.06	24.13
	12H	18.90	19.26	19.79	20.15	21.28	21.86	22.22	22.74	23.10	24.23
12H	4H	18.61	19.11	19.47	19.99	21.05	21.14	21.65	22.01	22.52	23.59
	6H	18.92	19.34	19.81	20.23	21.30	21.60	22.01	22.49	22.91	23.98
	8H	19.00	19.36	19.89	20.25	21.38	21.77	22.13	22.66	23.02	24.15