

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: P933924

Luminaire Tested: SQ4-FA-025U-075D-927-1D-UNV-STD-W-8

Issue Date: 12/17/2024

Test Information

Test Method: LM-79-2019
Report Number: P933924
REPORT IS A COMBINATION OF REPORTS P933680 AND P933786
Test Lab: INNOVATION CENTER
Issue Date: 12/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ4-FA-025U-075D-927-1D-UNV-STD-W-8
Description: CORELITE SQ4 SUSPENDED INDIRECT LED LUMINAIRE WITH Asymmetric Frosted Continuous I
Lens
Light Source: -
Ballast/Driver: -

Summary

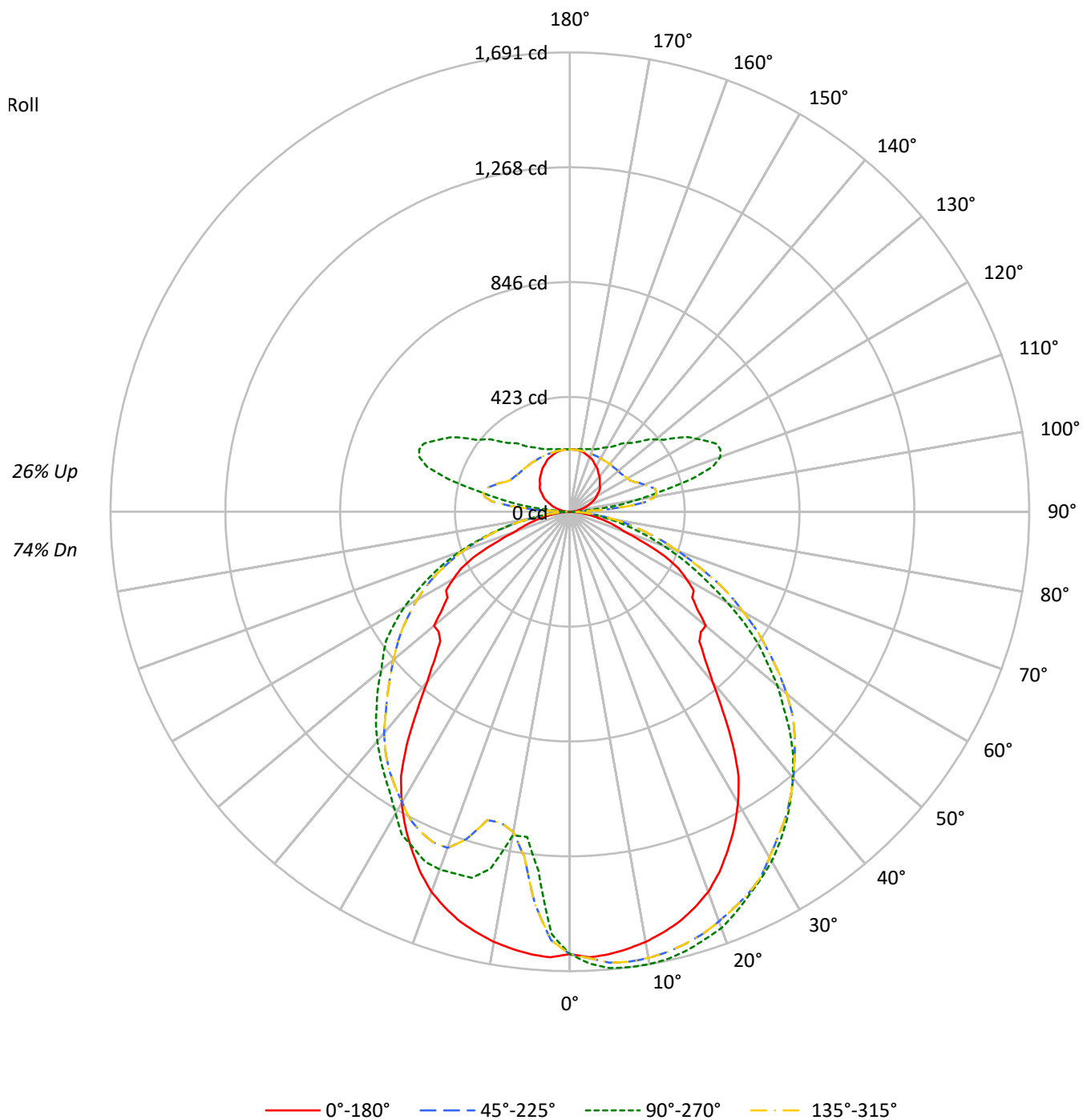
Lumens per Lamp: N/A
Luminaire Lumens: 5711.1 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.26 / 1.36
Luminous Opening: Rectangular w/ Sides (W: 0.29' x L: 8' x H: 0.1')
CIE Type: Semi-Direct

Input Watts (W): 60
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78
1	103	99	95	91	98	94	90	87	85	82	80	77	75	73	69	68	66
2	94	86	80	75	89	82	77	72	75	70	66	68	64	61	61	58	56
3	86	76	68	62	81	72	66	60	66	60	56	60	55	52	54	51	48
4	79	67	59	53	74	64	57	51	59	52	48	53	48	44	48	44	41
5	72	60	52	45	68	57	50	44	52	46	41	48	42	38	43	39	36
6	67	54	46	39	63	52	44	38	47	41	36	43	38	34	39	35	31
7	62	49	41	35	58	47	39	34	43	36	32	39	34	30	36	31	28
8	57	44	36	31	54	43	35	30	39	33	28	36	31	27	33	28	25
9	53	41	33	28	51	39	32	27	36	30	25	33	28	24	30	26	23
10	50	37	30	25	48	36	29	24	33	27	23	31	25	22	28	24	20

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7552	7552	7552	7552
5°	7608	7623	7608	5994
10°	7558	7509	7558	5368
15°	7475	7347	7475	6135
20°	7319	7154	7319	6147
25°	6999	6873	6999	6017
30°	6585	6639	6585	5731
35°	5871	6344	5871	5417
40°	4892	5997	4892	5179
45°	4371	5590	4371	4906
50°	4644	5104	4644	4632
55°	4369	4582	4369	4474
60°	4504	3892	4504	4097
65°	4083	3217	4083	3596
70°	2828	2564	2828	3014
75°	2480	1895	2480	2269
80°	1998	1253	1998	1364
85°	1146	664	1146	565

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°

Vertical Angle: 45°

Luminance: 6699 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	2.6
10°-20°	417.2	7.3
20°-30°	644.9	11.3
30°-40°	769.8	13.5
40°-50°	774.3	13.6
50°-60°	673.8	11.8
60°-70°	477.7	8.4
70°-80°	252.7	4.4
80°-90°	63.8	1.1
90°-100°	112.0	2.0
100°-110°	294.5	5.2
110°-120°	305.4	5.3
120°-130°	245.0	4.3
130°-140°	192.2	3.4
140°-150°	147.5	2.6
150°-160°	106.2	1.9
160°-170°	65.0	1.1
170°-180°	22.0	0.4
0°-30°	1209.0	21.2
0°-40°	1978.8	34.6
0°-60°	3426.9	60.0
0°-90°	4221.3	73.9
90°-120°	711.9	12.5
90°-150°	1296.7	22.7
90°-180°	1490.0	26.1
0°-180°	5711.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1628	1628	1628	1628	1628	
5°	1635	1686	1635	1326	1635	155
15°	1562	1671	1562	1395	1562	439
25°	1375	1558	1375	1364	1375	631
35°	1046	1390	1046	1187	1046	647
45°	674	1146	674	1006	674	540
55°	550	846	550	825	550	505
65°	382	510	382	570	382	365
75°	145	242	145	290	145	152
85°	25	62	25	52	25	33
90°	2	6	2	6	2	2
95°	15	68	15	68	15	16
105°	53	461	53	461	53	56
115°	94	594	94	594	94	93
125°	131	473	131	473	131	116
135°	156	367	156	367	156	121
145°	181	298	181	298	181	114
155°	205	256	205	256	205	94
165°	221	239	221	239	221	62
175°	230	231	230	231	230	22
180°	230	230	230	230	230	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
0°	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1641.6	1641.6	1650.8	1653.9	1653.9	1649.3	1644.6	1649.3	1663.1	1667.7	1666.2
5°	1635.4	1647.7	1664.7	1667.7	1670.8	1669.3	1666.2	1669.3	1684.7	1687.8	1689.3
7.5°	1623.1	1646.2	1667.7	1672.4	1677.0	1672.4	1670.8	1673.9	1689.3	1692.4	1692.4
10°	1607.7	1640.0	1664.7	1667.7	1672.4	1667.7	1667.7	1673.9	1689.3	1692.4	1693.9
12.5°	1586.1	1630.8	1653.9	1657.0	1663.1	1661.6	1660.0	1666.2	1681.6	1684.7	1684.7
15°	1561.5	1613.8	1635.4	1638.5	1649.3	1646.2	1646.2	1652.3	1669.3	1673.9	1672.4
17.5°	1527.6	1592.3	1616.9	1621.5	1629.2	1627.7	1629.2	1635.4	1650.8	1653.9	1655.4
20°	1489.1	1563.0	1592.3	1596.9	1604.6	1604.6	1604.6	1612.3	1627.7	1633.9	1633.9
22.5°	1436.7	1532.2	1563.0	1566.1	1575.3	1575.3	1578.4	1589.2	1603.1	1604.6	1604.6
25°	1375.1	1498.3	1524.5	1533.8	1543.0	1547.6	1552.2	1558.4	1563.0	1561.5	1563.0
27.5°	1310.5	1455.2	1489.1	1495.3	1507.6	1512.2	1518.4	1519.9	1521.4	1526.1	1523.0
30°	1238.1	1395.2	1446.0	1452.1	1472.2	1475.2	1469.1	1472.2	1479.9	1482.9	1486.0
32.5°	1156.5	1305.8	1401.3	1415.2	1433.7	1424.4	1422.9	1427.5	1439.8	1439.8	1442.9
35°	1045.6	1236.5	1359.7	1372.1	1385.9	1375.1	1381.3	1382.8	1390.5	1395.2	1393.6
37.5°	923.9	1176.5	1316.6	1325.9	1336.6	1322.8	1332.0	1336.6	1342.8	1339.7	1339.7
40°	816.2	1082.5	1265.8	1272.0	1281.2	1270.4	1279.7	1282.7	1285.8	1282.7	1281.2
42.5°	736.1	979.4	1211.9	1219.6	1213.4	1221.1	1224.2	1230.4	1225.8	1219.6	1219.6
45°	674.5	951.6	1153.4	1162.6	1153.4	1165.7	1170.3	1170.3	1156.5	1153.4	1151.8
47.5°	654.5	896.3	1094.9	1094.9	1090.2	1105.6	1113.3	1102.6	1088.7	1084.1	1084.1
50°	653.0	834.7	1014.8	1008.6	1030.2	1048.7	1041.0	1030.2	1019.4	1002.5	1002.5
52.5°	592.9	759.2	911.7	934.7	968.6	979.4	967.0	956.3	937.8	930.1	923.9
55°	549.8	680.7	817.7	863.9	899.4	913.2	890.1	879.3	851.6	847.0	843.9
57.5°	540.5	566.7	731.5	790.0	833.1	831.6	817.7	797.7	774.6	770.0	768.5
60°	495.9	409.6	639.1	708.4	753.1	748.4	736.1	717.6	696.1	693.0	689.9
62.5°	449.7	297.2	534.4	612.9	676.1	674.5	663.7	636.0	620.6	612.9	606.8
65°	381.9	249.5	380.4	509.7	600.6	603.7	580.6	560.6	543.6	534.4	532.8
67.5°	291.1	203.3	257.2	425.0	528.2	525.1	495.9	486.6	465.1	460.5	451.2
70°	215.6	135.5	178.6	345.0	457.4	449.7	426.6	415.8	395.8	385.0	378.8
72.5°	178.6	109.3	130.9	268.0	385.0	375.8	355.7	343.4	326.5	317.2	311.1
75°	144.8	115.5	100.1	198.7	312.6	306.5	288.0	275.7	261.8	249.5	251.0
77.5°	106.3	107.8	80.1	146.3	247.9	238.7	227.9	212.5	206.4	194.0	194.0
80°	80.1	84.7	60.1	100.1	178.6	178.6	169.4	158.6	147.8	141.7	141.7
82.5°	53.9	53.9	44.7	63.1	121.7	117.0	110.9	107.8	101.6	98.6	98.6
85°	24.6	30.8	27.7	38.5	66.2	69.3	69.3	66.2	64.7	61.6	63.1
87.5°	7.7	13.9	16.9	21.6	33.9	35.4	37.0	37.0	37.0	38.5	38.5
90°	1.5	2.8	4.0	4.3	6.8	10.1	11.7	10.4	7.8	5.9	5.9
92.5°	6.2	16.6	27.2	29.8	41.9	58.0	66.0	57.8	41.6	29.3	28.2
95°	14.8	34.0	53.2	58.0	102.9	162.9	193.0	172.2	130.7	99.5	95.9
97.5°	25.6	42.6	59.4	63.7	138.7	238.7	288.8	275.7	249.4	229.7	223.0
100°	34.0	49.3	64.6	68.5	151.7	262.6	318.2	319.2	321.1	322.6	314.5
102.5°	41.0	55.4	69.7	73.2	157.7	270.3	326.6	343.3	376.7	401.8	394.9
105°	53.1	65.2	77.4	80.4	162.2	271.1	325.6	363.1	438.1	494.3	490.6
107.5°	65.4	76.7	88.0	90.9	162.9	259.0	307.1	359.4	464.0	542.5	543.4
110°	73.8	83.9	94.2	96.7	161.7	248.3	291.7	350.1	467.1	554.8	558.6

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	22.5°	30°	40°	45°	50°	60°	67.5°	70°
112.5°	81.9	91.6	101.3	103.8	161.8	239.0	277.7	337.5	457.1	546.9	552.9
115°	94.2	103.2	112.2	114.4	163.2	228.3	260.8	318.5	433.8	520.3	528.5
117.5°	106.4	114.6	122.7	124.8	166.3	221.6	249.2	301.3	405.3	483.4	492.5
120°	113.5	121.2	128.9	130.8	168.8	219.4	244.6	292.1	387.2	458.5	467.3
122.5°	120.4	128.2	136.0	137.9	172.3	218.1	241.1	283.9	369.5	433.7	442.4
125°	131.1	138.2	145.2	147.0	177.1	217.2	237.2	273.6	346.3	400.9	408.9
127.5°	139.8	146.8	154.0	155.8	181.9	216.6	234.0	265.3	327.7	374.5	381.3
130°	144.4	152.1	159.7	161.6	185.3	217.0	232.8	260.6	316.2	357.8	364.1
132.5°	149.1	156.8	164.5	166.4	188.2	217.2	231.7	256.6	306.3	343.7	349.3
135°	156.2	163.2	170.2	172.0	191.3	217.0	229.8	250.7	292.4	323.6	328.4
137.5°	163.5	170.4	177.3	179.1	195.9	218.3	229.5	247.2	282.4	308.8	312.7
140°	169.5	175.9	182.3	183.9	198.7	218.5	228.5	243.7	274.1	296.9	300.6
142.5°	174.2	180.0	186.0	187.4	201.1	219.4	228.5	241.9	268.6	288.6	291.8
145°	181.3	186.4	191.5	192.8	204.2	219.4	226.9	237.9	259.7	276.1	278.5
147.5°	188.3	193.3	198.4	199.6	208.7	220.8	226.9	235.5	252.7	265.6	267.6
150°	193.0	197.5	202.0	203.1	211.1	221.6	226.9	234.2	248.7	259.6	261.2
152.5°	197.7	201.1	204.6	205.4	212.6	222.1	226.9	233.1	245.5	254.8	256.0
155°	204.8	207.4	209.9	210.5	216.0	223.3	226.9	231.8	241.7	249.1	249.9
157.5°	210.1	212.5	215.0	215.6	219.4	224.4	226.9	230.8	238.4	244.2	244.7
160°	213.6	215.5	217.4	217.9	220.9	224.9	226.9	230.2	236.8	241.7	242.0
162.5°	217.1	218.6	220.0	220.4	222.5	225.5	226.9	229.7	235.2	239.4	239.7
165°	221.1	222.4	223.7	224.0	225.0	226.3	226.9	228.9	232.8	235.9	236.2
167.5°	224.6	225.2	225.8	226.0	226.8	227.9	228.5	229.8	232.4	234.3	234.5
170°	226.9	227.5	228.2	228.3	228.4	228.5	228.5	229.8	232.4	234.3	234.3
172.5°	228.2	228.3	228.5	228.5	228.5	228.5	228.5	229.5	231.5	233.1	232.9
175°	229.8	229.8	229.8	229.8	229.4	228.8	228.5	229.1	230.4	231.4	231.4
177.5°	229.8	229.8	229.8	229.8	229.5	229.0	228.8	229.3	230.3	231.1	230.9
180°	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8

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CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
0°	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1669.3	1664.7	1669.3	1666.2	1667.7	1663.1	1649.3	1644.6	1649.3	1653.9	1653.9
5°	1689.3	1686.2	1689.3	1689.3	1687.8	1684.7	1669.3	1666.2	1669.3	1670.8	1667.7
7.5°	1695.5	1690.8	1695.5	1692.4	1692.4	1689.3	1673.9	1670.8	1672.4	1677.0	1672.4
10°	1695.5	1690.8	1695.5	1693.9	1692.4	1689.3	1673.9	1667.7	1667.7	1672.4	1667.7
12.5°	1687.8	1684.7	1687.8	1684.7	1684.7	1681.6	1666.2	1660.0	1661.6	1663.1	1657.0
15°	1675.4	1670.8	1675.4	1672.4	1673.9	1669.3	1652.3	1646.2	1646.2	1649.3	1638.5
17.5°	1657.0	1650.8	1657.0	1655.4	1653.9	1650.8	1635.4	1629.2	1627.7	1629.2	1621.5
20°	1635.4	1630.8	1635.4	1633.9	1633.9	1627.7	1612.3	1604.6	1604.6	1604.6	1596.9
22.5°	1601.5	1596.9	1601.5	1604.6	1604.6	1603.1	1589.2	1578.4	1575.3	1575.3	1566.1
25°	1563.0	1558.4	1563.0	1563.0	1561.5	1563.0	1558.4	1552.2	1547.6	1543.0	1533.8
27.5°	1526.1	1523.0	1526.1	1523.0	1526.1	1521.4	1519.9	1518.4	1512.2	1507.6	1495.3
30°	1489.1	1486.0	1489.1	1486.0	1482.9	1479.9	1472.2	1469.1	1475.2	1472.2	1452.1
32.5°	1442.9	1439.8	1442.9	1442.9	1439.8	1439.8	1427.5	1422.9	1424.4	1433.7	1415.2
35°	1395.2	1390.5	1395.2	1393.6	1395.2	1390.5	1382.8	1381.3	1375.1	1385.9	1372.1
37.5°	1339.7	1335.1	1339.7	1339.7	1339.7	1342.8	1336.6	1332.0	1322.8	1336.6	1325.9
40°	1282.7	1276.6	1282.7	1281.2	1282.7	1285.8	1282.7	1279.7	1270.4	1281.2	1272.0
42.5°	1218.1	1216.5	1218.1	1219.6	1219.6	1225.8	1230.4	1224.2	1221.1	1213.4	1219.6
45°	1148.8	1145.7	1148.8	1151.8	1153.4	1156.5	1170.3	1170.3	1165.7	1153.4	1162.6
47.5°	1074.8	1067.1	1074.8	1084.1	1084.1	1088.7	1102.6	1113.3	1105.6	1090.2	1094.9
50°	996.3	997.8	996.3	1002.5	1002.5	1019.4	1030.2	1041.0	1048.7	1030.2	1008.6
52.5°	919.3	917.8	919.3	923.9	930.1	937.8	956.3	967.0	979.4	968.6	934.7
55°	842.4	845.5	842.4	843.9	847.0	851.6	879.3	890.1	913.2	899.4	863.9
57.5°	765.4	760.8	765.4	768.5	770.0	774.6	797.7	817.7	831.6	833.1	790.0
60°	676.1	669.9	676.1	689.9	693.0	696.1	717.6	736.1	748.4	753.1	708.4
62.5°	597.5	586.7	597.5	606.8	612.9	620.6	636.0	663.7	674.5	676.1	612.9
65°	514.4	509.7	514.4	532.8	534.4	543.6	560.6	580.6	603.7	600.6	509.7
67.5°	438.9	438.9	438.9	451.2	460.5	465.1	486.6	495.9	525.1	528.2	425.0
70°	369.6	368.1	369.6	378.8	385.0	395.8	415.8	426.6	449.7	457.4	345.0
72.5°	303.4	301.8	303.4	311.1	317.2	326.5	343.4	355.7	375.8	385.0	268.0
75°	244.9	241.8	244.9	251.0	249.5	261.8	275.7	288.0	306.5	312.6	198.7
77.5°	187.9	187.9	187.9	194.0	194.0	206.4	212.5	227.9	238.7	247.9	146.3
80°	140.1	138.6	140.1	141.7	141.7	147.8	158.6	169.4	178.6	178.6	100.1
82.5°	98.6	95.5	98.6	98.6	98.6	101.6	107.8	110.9	117.0	121.7	63.1
85°	61.6	61.6	61.6	63.1	61.6	64.7	66.2	69.3	69.3	66.2	38.5
87.5°	40.0	38.5	40.0	38.5	38.5	37.0	37.0	37.0	35.4	33.9	21.6
90°	5.9	5.9	5.9	5.9	5.9	7.8	10.4	11.7	10.1	6.8	4.3
92.5°	23.5	18.8	23.5	28.2	29.3	41.6	57.8	66.0	58.0	41.9	29.8
95°	81.9	67.7	81.9	95.9	99.5	130.7	172.2	193.0	162.9	102.9	58.0
97.5°	196.0	169.2	196.0	223.0	229.7	249.4	275.7	288.8	238.7	138.7	63.7
100°	282.5	250.5	282.5	314.5	322.6	321.1	319.2	318.2	262.6	151.7	68.5
102.5°	367.5	340.1	367.5	394.9	401.8	376.7	343.3	326.6	270.3	157.7	73.2
105°	475.9	461.2	475.9	490.6	494.3	438.1	363.1	325.6	271.1	162.2	80.4
107.5°	546.9	550.5	546.9	543.4	542.5	464.0	359.4	307.1	259.0	162.9	90.9
110°	574.0	589.4	574.0	558.6	554.8	467.1	350.1	291.7	248.3	161.7	96.7

TEST NUMBER: P933924

CATALOG NUMBER: SQ4-FA-025U-075D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	80°	90°	100°	110°	112.5°	120°	130°	135°	140°	150°	157.5°
112.5°	576.4	600.0	576.4	552.9	546.9	457.1	337.5	277.7	239.0	161.8	103.8
115°	561.2	593.8	561.2	528.5	520.3	433.8	318.5	260.8	228.3	163.2	114.4
117.5°	528.8	565.0	528.8	492.5	483.4	405.3	301.3	249.2	221.6	166.3	124.8
120°	502.6	537.8	502.6	467.3	458.5	387.2	292.1	244.6	219.4	168.8	130.8
122.5°	477.2	511.9	477.2	442.4	433.7	369.5	283.9	241.1	218.1	172.3	137.9
125°	440.9	472.9	440.9	408.9	400.9	346.3	273.6	237.2	217.2	177.1	147.0
127.5°	408.3	435.3	408.3	381.3	374.5	327.7	265.3	234.0	216.6	181.9	155.8
130°	389.0	414.0	389.0	364.1	357.8	316.2	260.6	232.8	217.0	185.3	161.6
132.5°	371.6	393.9	371.6	349.3	343.7	306.3	256.6	231.7	217.2	188.2	166.4
135°	347.7	366.9	347.7	328.4	323.6	292.4	250.7	229.8	217.0	191.3	172.0
137.5°	328.5	344.3	328.5	312.7	308.8	282.4	247.2	229.5	218.3	195.9	179.1
140°	315.3	330.1	315.3	300.6	296.9	274.1	243.7	228.5	218.5	198.7	183.9
142.5°	304.5	317.1	304.5	291.8	288.6	268.6	241.9	228.5	219.4	201.1	187.4
145°	288.1	297.7	288.1	278.5	276.1	259.7	237.9	226.9	219.4	204.2	192.8
147.5°	275.5	283.5	275.5	267.6	265.6	252.7	235.5	226.9	220.8	208.7	199.6
150°	267.7	274.1	267.7	261.2	259.6	248.7	234.2	226.9	221.6	211.1	203.1
152.5°	260.9	265.7	260.9	256.0	254.8	245.5	233.1	226.9	222.1	212.6	205.4
155°	253.1	256.3	253.1	249.9	249.1	241.7	231.8	226.9	223.3	216.0	210.5
157.5°	247.0	249.2	247.0	244.7	244.2	238.4	230.8	226.9	224.4	219.4	215.6
160°	243.3	244.6	243.3	242.0	241.7	236.8	230.2	226.9	224.9	220.9	217.9
162.5°	240.9	242.2	240.9	239.7	239.4	235.2	229.7	226.9	225.5	222.5	220.4
165°	237.5	238.8	237.5	236.2	235.9	232.8	228.9	226.9	226.3	225.0	224.0
167.5°	235.0	235.5	235.0	234.5	234.3	232.4	229.8	228.5	227.9	226.8	226.0
170°	234.3	234.3	234.3	234.3	234.3	232.4	229.8	228.5	228.5	228.4	228.3
172.5°	232.5	232.0	232.5	232.9	233.1	231.5	229.5	228.5	228.5	228.5	228.5
175°	231.4	231.4	231.4	231.4	231.4	230.4	229.1	228.5	228.8	229.4	229.8
177.5°	230.4	229.8	230.4	230.9	231.1	230.3	229.3	228.8	229.0	229.5	229.8
180°	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8

TEST NUMBER: P933924

CATALOG NUMBER: SQ4-FA-025U-075D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
0°	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1650.8	1641.6	1641.6	1626.2	1620.0	1615.4	1607.7	1584.6	1578.4	1572.3	1581.5
5°	1664.7	1647.7	1635.4	1607.7	1584.6	1575.3	1546.1	1490.6	1453.7	1426.0	1410.6
7.5°	1667.7	1646.2	1623.1	1580.0	1524.5	1499.9	1410.6	1308.9	1281.2	1256.6	1241.2
10°	1664.7	1640.0	1607.7	1543.0	1412.1	1369.0	1279.7	1213.4	1196.5	1191.9	1196.5
12.5°	1653.9	1630.8	1586.1	1478.3	1295.1	1265.8	1213.4	1174.9	1171.9	1179.6	1221.1
15°	1635.4	1613.8	1561.5	1392.1	1230.4	1208.8	1171.9	1158.0	1174.9	1228.8	1353.6
17.5°	1616.9	1592.3	1527.6	1307.4	1181.1	1165.7	1139.5	1167.2	1262.7	1335.1	1376.7
20°	1592.3	1563.0	1489.1	1245.8	1145.7	1131.8	1119.5	1244.2	1316.6	1342.8	1365.9
22.5°	1563.0	1532.2	1436.7	1202.7	1108.7	1097.9	1105.6	1287.4	1316.6	1335.1	1355.1
25°	1524.5	1498.3	1375.1	1168.8	1079.5	1067.1	1096.4	1282.7	1299.7	1304.3	1344.3
27.5°	1489.1	1455.2	1310.5	1138.0	1044.0	1039.4	1104.1	1262.7	1275.0	1279.7	1322.8
30°	1446.0	1395.2	1238.1	1105.6	1007.1	1005.5	1105.6	1238.1	1235.0	1247.3	1290.4
32.5°	1401.3	1305.8	1156.5	1065.6	971.7	970.1	1094.9	1201.1	1198.0	1215.0	1247.3
35°	1359.7	1236.5	1045.6	1019.4	927.0	928.5	1068.7	1158.0	1159.5	1174.9	1195.0
37.5°	1316.6	1176.5	923.9	968.6	884.0	884.0	1033.3	1118.0	1114.9	1119.5	1147.2
40°	1265.8	1082.5	816.2	902.4	843.9	839.3	990.1	1074.8	1064.1	1062.5	1101.0
42.5°	1211.9	979.4	736.1	814.7	797.7	791.6	937.8	1022.5	1002.5	1007.1	1056.4
45°	1153.4	951.6	674.5	688.4	750.0	745.4	880.9	962.4	948.6	960.9	1011.7
47.5°	1094.9	896.3	654.5	571.3	699.2	697.6	817.7	904.0	896.3	908.6	962.4
50°	1014.8	834.7	653.0	489.7	642.2	648.3	742.3	847.0	847.0	857.8	914.8
52.5°	911.7	759.2	592.9	443.5	576.0	594.4	676.1	797.7	800.8	811.6	862.4
55°	817.7	680.7	549.8	408.1	497.4	537.5	611.4	746.9	753.1	763.8	810.0
57.5°	731.5	566.7	540.5	366.5	425.0	463.5	554.4	697.6	700.7	709.9	754.6
60°	639.1	409.6	495.9	321.9	361.9	391.2	502.0	639.1	649.9	656.0	694.5
62.5°	534.4	297.2	449.7	291.1	331.1	337.3	458.9	583.7	597.5	602.1	625.2
65°	380.4	249.5	381.9	264.9	298.8	300.3	412.7	526.7	539.0	546.7	563.6
67.5°	257.2	203.3	291.1	240.2	274.1	275.7	368.1	460.5	477.4	483.6	494.3
70°	178.6	135.5	215.6	214.1	246.4	249.5	320.3	400.4	415.8	420.4	426.6
72.5°	130.9	109.3	178.6	192.5	217.1	220.2	271.0	332.6	348.0	352.7	355.7
75°	100.1	115.5	144.8	167.9	184.8	186.3	221.8	271.0	281.8	284.9	286.4
77.5°	80.1	107.8	106.3	135.5	150.9	147.8	174.0	209.4	218.7	218.7	218.7
80°	60.1	84.7	80.1	97.0	110.9	107.8	124.7	149.4	152.5	155.5	154.0
82.5°	44.7	53.9	53.9	61.6	73.9	70.8	83.2	97.0	97.0	97.0	100.1
85°	27.7	30.8	24.6	32.3	41.6	40.0	46.2	52.4	53.9	53.9	50.8
87.5°	16.9	13.9	7.7	12.3	18.5	18.5	21.6	23.1	21.6	21.6	21.6
90°	4.0	2.8	1.5	2.8	4.0	4.3	6.8	10.1	11.7	10.4	7.8
92.5°	27.2	16.6	6.2	16.6	27.2	29.8	41.9	58.0	66.0	57.8	41.6
95°	53.2	34.0	14.8	34.0	53.2	58.0	102.9	162.9	193.0	172.2	130.7
97.5°	59.4	42.6	25.6	42.6	59.4	63.7	138.7	238.7	288.8	275.7	249.4
100°	64.6	49.3	34.0	49.3	64.6	68.5	151.7	262.6	318.2	319.2	321.1
102.5°	69.7	55.4	41.0	55.4	69.7	73.2	157.7	270.3	326.6	343.3	376.7
105°	77.4	65.2	53.1	65.2	77.4	80.4	162.2	271.1	325.6	363.1	438.1
107.5°	88.0	76.7	65.4	76.7	88.0	90.9	162.9	259.0	307.1	359.4	464.0
110°	94.2	83.9	73.8	83.9	94.2	96.7	161.7	248.3	291.7	350.1	467.1

TEST NUMBER: P933924

CATALOG NUMBER: SQ4-FA-025U-075D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	160°	170°	180°	190°	200°	202.5°	210°	220°	225°	230°	240°
112.5°	101.3	91.6	81.9	91.6	101.3	103.8	161.8	239.0	277.7	337.5	457.1
115°	112.2	103.2	94.2	103.2	112.2	114.4	163.2	228.3	260.8	318.5	433.8
117.5°	122.7	114.6	106.4	114.6	122.7	124.8	166.3	221.6	249.2	301.3	405.3
120°	128.9	121.2	113.5	121.2	128.9	130.8	168.8	219.4	244.6	292.1	387.2
122.5°	136.0	128.2	120.4	128.2	136.0	137.9	172.3	218.1	241.1	283.9	369.5
125°	145.2	138.2	131.1	138.2	145.2	147.0	177.1	217.2	237.2	273.6	346.3
127.5°	154.0	146.8	139.8	146.8	154.0	155.8	181.9	216.6	234.0	265.3	327.7
130°	159.7	152.1	144.4	152.1	159.7	161.6	185.3	217.0	232.8	260.6	316.2
132.5°	164.5	156.8	149.1	156.8	164.5	166.4	188.2	217.2	231.7	256.6	306.3
135°	170.2	163.2	156.2	163.2	170.2	172.0	191.3	217.0	229.8	250.7	292.4
137.5°	177.3	170.4	163.5	170.4	177.3	179.1	195.9	218.3	229.5	247.2	282.4
140°	182.3	175.9	169.5	175.9	182.3	183.9	198.7	218.5	228.5	243.7	274.1
142.5°	186.0	180.0	174.2	180.0	186.0	187.4	201.1	219.4	228.5	241.9	268.6
145°	191.5	186.4	181.3	186.4	191.5	192.8	204.2	219.4	226.9	237.9	259.7
147.5°	198.4	193.3	188.3	193.3	198.4	199.6	208.7	220.8	226.9	235.5	252.7
150°	202.0	197.5	193.0	197.5	202.0	203.1	211.1	221.6	226.9	234.2	248.7
152.5°	204.6	201.1	197.7	201.1	204.6	205.4	212.6	222.1	226.9	233.1	245.5
155°	209.9	207.4	204.8	207.4	209.9	210.5	216.0	223.3	226.9	231.8	241.7
157.5°	215.0	212.5	210.1	212.5	215.0	215.6	219.4	224.4	226.9	230.8	238.4
160°	217.4	215.5	213.6	215.5	217.4	217.9	220.9	224.9	226.9	230.2	236.8
162.5°	220.0	218.6	217.1	218.6	220.0	220.4	222.5	225.5	226.9	229.7	235.2
165°	223.7	222.4	221.1	222.4	223.7	224.0	225.0	226.3	226.9	228.9	232.8
167.5°	225.8	225.2	224.6	225.2	225.8	226.0	226.8	227.9	228.5	229.8	232.4
170°	228.2	227.5	226.9	227.5	228.2	228.3	228.4	228.5	228.5	229.8	232.4
172.5°	228.5	228.3	228.2	228.3	228.5	228.5	228.5	228.5	228.5	229.5	231.5
175°	229.8	229.8	229.8	229.8	229.8	229.8	229.4	228.8	228.5	229.1	230.4
177.5°	229.8	229.8	229.8	229.8	229.8	229.8	229.5	229.0	228.8	229.3	230.3
180°	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8

TEST NUMBER: P933924

CATALOG NUMBER: SQ4-FA-025U-075D-927-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
0°	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1570.7	1566.1	1572.3	1555.3	1572.3	1566.1	1570.7	1581.5	1572.3	1578.4	1584.6
5°	1378.2	1370.5	1345.9	1325.9	1345.9	1370.5	1378.2	1410.6	1426.0	1453.7	1490.6
7.5°	1231.9	1225.8	1219.6	1207.3	1219.6	1225.8	1231.9	1241.2	1256.6	1281.2	1308.9
10°	1199.6	1201.1	1210.4	1208.8	1210.4	1201.1	1199.6	1196.5	1191.9	1196.5	1213.4
12.5°	1282.7	1296.6	1347.4	1344.3	1347.4	1296.6	1282.7	1221.1	1179.6	1171.9	1174.9
15°	1378.2	1382.8	1393.6	1395.2	1393.6	1382.8	1378.2	1353.6	1228.8	1174.9	1158.0
17.5°	1387.5	1389.0	1396.7	1396.7	1396.7	1389.0	1387.5	1376.7	1335.1	1262.7	1167.2
20°	1379.8	1382.8	1398.2	1401.3	1398.2	1382.8	1379.8	1365.9	1342.8	1316.6	1244.2
22.5°	1376.7	1382.8	1395.2	1393.6	1395.2	1382.8	1376.7	1355.1	1335.1	1316.6	1287.4
25°	1361.3	1361.3	1362.8	1364.4	1362.8	1361.3	1361.3	1344.3	1304.3	1299.7	1282.7
27.5°	1328.9	1332.0	1341.3	1339.7	1341.3	1332.0	1328.9	1322.8	1279.7	1275.0	1262.7
30°	1299.7	1296.6	1288.9	1282.7	1288.9	1296.6	1299.7	1290.4	1247.3	1235.0	1238.1
32.5°	1250.4	1242.7	1235.0	1230.4	1235.0	1242.7	1250.4	1247.3	1215.0	1198.0	1201.1
35°	1191.9	1193.4	1191.9	1187.3	1191.9	1193.4	1191.9	1195.0	1174.9	1159.5	1158.0
37.5°	1150.3	1153.4	1151.8	1145.7	1151.8	1153.4	1150.3	1147.2	1119.5	1114.9	1118.0
40°	1107.2	1108.7	1107.2	1102.6	1107.2	1108.7	1107.2	1101.0	1062.5	1064.1	1074.8
42.5°	1065.6	1064.1	1059.4	1056.4	1059.4	1064.1	1065.6	1056.4	1007.1	1002.5	1022.5
45°	1017.9	1019.4	1010.2	1005.5	1010.2	1019.4	1017.9	1011.7	960.9	948.6	962.4
47.5°	970.1	970.1	962.4	957.8	962.4	970.1	970.1	962.4	908.6	896.3	904.0
50°	919.3	917.8	907.1	905.5	907.1	917.8	919.3	914.8	857.8	847.0	847.0
52.5°	860.9	860.9	862.4	865.5	862.4	860.9	860.9	862.4	811.6	800.8	797.7
55°	810.0	811.6	822.4	825.4	822.4	811.6	810.0	810.0	763.8	753.1	746.9
57.5°	757.7	757.7	765.4	765.4	765.4	757.7	757.7	754.6	709.9	700.7	697.6
60°	697.6	700.7	706.9	705.3	706.9	700.7	697.6	694.5	656.0	649.9	639.1
62.5°	634.5	637.6	639.1	636.0	639.1	637.6	634.5	625.2	602.1	597.5	583.7
65°	568.3	571.3	572.9	569.8	572.9	571.3	568.3	563.6	546.7	539.0	526.7
67.5°	500.5	499.0	497.4	503.6	497.4	499.0	500.5	494.3	483.6	477.4	460.5
70°	431.2	431.2	429.7	432.7	429.7	431.2	431.2	426.6	420.4	415.8	400.4
72.5°	357.3	355.7	361.9	357.3	361.9	355.7	357.3	355.7	352.7	348.0	332.6
75°	284.9	288.0	284.9	289.5	284.9	288.0	284.9	286.4	284.9	281.8	271.0
77.5°	217.1	220.2	217.1	217.1	217.1	220.2	217.1	218.7	218.7	218.7	209.4
80°	154.0	152.5	152.5	150.9	152.5	152.5	154.0	154.0	155.5	152.5	149.4
82.5°	98.6	97.0	97.0	100.1	97.0	97.0	98.6	100.1	97.0	97.0	97.0
85°	53.9	55.4	52.4	52.4	52.4	55.4	53.9	50.8	53.9	53.9	52.4
87.5°	20.0	18.5	18.5	18.5	18.5	18.5	20.0	21.6	21.6	21.6	23.1
90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.8	10.4	11.7	10.1
92.5°	29.3	28.2	23.5	18.8	23.5	28.2	29.3	41.6	57.8	66.0	58.0
95°	99.5	95.9	81.9	67.7	81.9	95.9	99.5	130.7	172.2	193.0	162.9
97.5°	229.7	223.0	196.0	169.2	196.0	223.0	229.7	249.4	275.7	288.8	238.7
100°	322.6	314.5	282.5	250.5	282.5	314.5	322.6	321.1	319.2	318.2	262.6
102.5°	401.8	394.9	367.5	340.1	367.5	394.9	401.8	376.7	343.3	326.6	270.3
105°	494.3	490.6	475.9	461.2	475.9	490.6	494.3	438.1	363.1	325.6	271.1
107.5°	542.5	543.4	546.9	550.5	546.9	543.4	542.5	464.0	359.4	307.1	259.0
110°	554.8	558.6	574.0	589.4	574.0	558.6	554.8	467.1	350.1	291.7	248.3

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CANDELA DISTRIBUTION (continued):

	247.5°	250°	260°	270°	280°	290°	292.5°	300°	310°	315°	320°
112.5°	546.9	552.9	576.4	600.0	576.4	552.9	546.9	457.1	337.5	277.7	239.0
115°	520.3	528.5	561.2	593.8	561.2	528.5	520.3	433.8	318.5	260.8	228.3
117.5°	483.4	492.5	528.8	565.0	528.8	492.5	483.4	405.3	301.3	249.2	221.6
120°	458.5	467.3	502.6	537.8	502.6	467.3	458.5	387.2	292.1	244.6	219.4
122.5°	433.7	442.4	477.2	511.9	477.2	442.4	433.7	369.5	283.9	241.1	218.1
125°	400.9	408.9	440.9	472.9	440.9	408.9	400.9	346.3	273.6	237.2	217.2
127.5°	374.5	381.3	408.3	435.3	408.3	381.3	374.5	327.7	265.3	234.0	216.6
130°	357.8	364.1	389.0	414.0	389.0	364.1	357.8	316.2	260.6	232.8	217.0
132.5°	343.7	349.3	371.6	393.9	371.6	349.3	343.7	306.3	256.6	231.7	217.2
135°	323.6	328.4	347.7	366.9	347.7	328.4	323.6	292.4	250.7	229.8	217.0
137.5°	308.8	312.7	328.5	344.3	328.5	312.7	308.8	282.4	247.2	229.5	218.3
140°	296.9	300.6	315.3	330.1	315.3	300.6	296.9	274.1	243.7	228.5	218.5
142.5°	288.6	291.8	304.5	317.1	304.5	291.8	288.6	268.6	241.9	228.5	219.4
145°	276.1	278.5	288.1	297.7	288.1	278.5	276.1	259.7	237.9	226.9	219.4
147.5°	265.6	267.6	275.5	283.5	275.5	267.6	265.6	252.7	235.5	226.9	220.8
150°	259.6	261.2	267.7	274.1	267.7	261.2	259.6	248.7	234.2	226.9	221.6
152.5°	254.8	256.0	260.9	265.7	260.9	256.0	254.8	245.5	233.1	226.9	222.1
155°	249.1	249.9	253.1	256.3	253.1	249.9	249.1	241.7	231.8	226.9	223.3
157.5°	244.2	244.7	247.0	249.2	247.0	244.7	244.2	238.4	230.8	226.9	224.4
160°	241.7	242.0	243.3	244.6	243.3	242.0	241.7	236.8	230.2	226.9	224.9
162.5°	239.4	239.7	240.9	242.2	240.9	239.7	239.4	235.2	229.7	226.9	225.5
165°	235.9	236.2	237.5	238.8	237.5	236.2	235.9	232.8	228.9	226.9	226.3
167.5°	234.3	234.5	235.0	235.5	235.0	234.5	234.3	232.4	229.8	228.5	227.9
170°	234.3	234.3	234.3	234.3	234.3	234.3	234.3	232.4	229.8	228.5	228.5
172.5°	233.1	232.9	232.5	232.0	232.5	232.9	233.1	231.5	229.5	228.5	228.5
175°	231.4	231.4	231.4	231.4	231.4	231.4	231.4	230.4	229.1	228.5	228.8
177.5°	231.1	230.9	230.4	229.8	230.4	230.9	231.1	230.3	229.3	228.8	229.0
180°	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8	229.8

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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
0°	1627.7	1627.7	1627.7	1627.7	1627.7
2.5°	1607.7	1615.4	1620.0	1626.2	1641.6
5°	1546.1	1575.3	1584.6	1607.7	1635.4
7.5°	1410.6	1499.9	1524.5	1580.0	1623.1
10°	1279.7	1369.0	1412.1	1543.0	1607.7
12.5°	1213.4	1265.8	1295.1	1478.3	1586.1
15°	1171.9	1208.8	1230.4	1392.1	1561.5
17.5°	1139.5	1165.7	1181.1	1307.4	1527.6
20°	1119.5	1131.8	1145.7	1245.8	1489.1
22.5°	1105.6	1097.9	1108.7	1202.7	1436.7
25°	1096.4	1067.1	1079.5	1168.8	1375.1
27.5°	1104.1	1039.4	1044.0	1138.0	1310.5
30°	1105.6	1005.5	1007.1	1105.6	1238.1
32.5°	1094.9	970.1	971.7	1065.6	1156.5
35°	1068.7	928.5	927.0	1019.4	1045.6
37.5°	1033.3	884.0	884.0	968.6	923.9
40°	990.1	839.3	843.9	902.4	816.2
42.5°	937.8	791.6	797.7	814.7	736.1
45°	880.9	745.4	750.0	688.4	674.5
47.5°	817.7	697.6	699.2	571.3	654.5
50°	742.3	648.3	642.2	489.7	653.0
52.5°	676.1	594.4	576.0	443.5	592.9
55°	611.4	537.5	497.4	408.1	549.8
57.5°	554.4	463.5	425.0	366.5	540.5
60°	502.0	391.2	361.9	321.9	495.9
62.5°	458.9	337.3	331.1	291.1	449.7
65°	412.7	300.3	298.8	264.9	381.9
67.5°	368.1	275.7	274.1	240.2	291.1
70°	320.3	249.5	246.4	214.1	215.6
72.5°	271.0	220.2	217.1	192.5	178.6
75°	221.8	186.3	184.8	167.9	144.8
77.5°	174.0	147.8	150.9	135.5	106.3
80°	124.7	107.8	110.9	97.0	80.1
82.5°	83.2	70.8	73.9	61.6	53.9
85°	46.2	40.0	41.6	32.3	24.6
87.5°	21.6	18.5	18.5	12.3	7.7
90°	6.8	4.3	4.0	2.8	1.5
92.5°	41.9	29.8	27.2	16.6	6.2
95°	102.9	58.0	53.2	34.0	14.8
97.5°	138.7	63.7	59.4	42.6	25.6
100°	151.7	68.5	64.6	49.3	34.0
102.5°	157.7	73.2	69.7	55.4	41.0
105°	162.2	80.4	77.4	65.2	53.1
107.5°	162.9	90.9	88.0	76.7	65.4
110°	161.7	96.7	94.2	83.9	73.8



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CANDELA DISTRIBUTION (continued):

	330°	337.5°	340°	350°	360°
112.5°	161.8	103.8	101.3	91.6	81.9
115°	163.2	114.4	112.2	103.2	94.2
117.5°	166.3	124.8	122.7	114.6	106.4
120°	168.8	130.8	128.9	121.2	113.5
122.5°	172.3	137.9	136.0	128.2	120.4
125°	177.1	147.0	145.2	138.2	131.1
127.5°	181.9	155.8	154.0	146.8	139.8
130°	185.3	161.6	159.7	152.1	144.4
132.5°	188.2	166.4	164.5	156.8	149.1
135°	191.3	172.0	170.2	163.2	156.2
137.5°	195.9	179.1	177.3	170.4	163.5
140°	198.7	183.9	182.3	175.9	169.5
142.5°	201.1	187.4	186.0	180.0	174.2
145°	204.2	192.8	191.5	186.4	181.3
147.5°	208.7	199.6	198.4	193.3	188.3
150°	211.1	203.1	202.0	197.5	193.0
152.5°	212.6	205.4	204.6	201.1	197.7
155°	216.0	210.5	209.9	207.4	204.8
157.5°	219.4	215.6	215.0	212.5	210.1
160°	220.9	217.9	217.4	215.5	213.6
162.5°	222.5	220.4	220.0	218.6	217.1
165°	225.0	224.0	223.7	222.4	221.1
167.5°	226.8	226.0	225.8	225.2	224.6
170°	228.4	228.3	228.2	227.5	226.9
172.5°	228.5	228.5	228.5	228.3	228.2
175°	229.4	229.8	229.8	229.8	229.8
177.5°	229.5	229.8	229.8	229.8	229.8
180°	229.8	229.8	229.8	229.8	229.8

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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	13.80	14.92	14.52	15.67	16.55	16.63	17.76	17.36	18.50	19.39
	3H	14.29	15.31	15.03	16.06	16.97	18.00	19.01	18.74	19.77	20.68
	4H	14.50	15.45	15.25	16.21	17.14	18.46	19.42	19.21	20.18	21.10
	6H	14.63	15.51	15.40	16.28	17.22	18.76	19.64	19.53	20.41	21.35
	8H	14.64	15.48	15.41	16.27	17.21	18.84	19.68	19.62	20.47	21.42
	12H	14.62	15.42	15.40	16.20	17.17	18.89	19.69	19.67	20.48	21.45
4H	2H	14.86	15.82	15.62	16.58	17.51	17.08	18.03	17.83	18.79	19.72
	3H	15.91	16.71	16.68	17.51	18.45	18.61	19.40	19.38	20.20	21.14
	4H	16.20	16.92	16.99	17.72	18.69	19.15	19.87	19.93	20.67	21.64
	6H	16.34	16.97	17.14	17.79	18.77	19.53	20.16	20.33	20.98	21.96
	8H	16.35	16.94	17.16	17.76	18.75	19.65	20.23	20.45	21.05	22.04
	12H	16.33	16.86	17.16	17.70	18.70	19.72	20.24	20.54	21.08	22.08
8H	4H	16.68	17.26	17.48	18.08	19.07	19.29	19.88	20.10	20.70	21.69
	6H	16.95	17.43	17.79	18.29	19.29	19.74	20.23	20.58	21.09	22.08
	8H	17.00	17.43	17.84	18.28	19.29	19.90	20.33	20.75	21.19	22.20
	12H	16.99	17.37	17.84	18.22	19.28	20.01	20.39	20.86	21.24	22.30
12H	4H	16.70	17.22	17.52	18.06	19.06	19.27	19.80	20.10	20.64	21.63
	6H	17.01	17.44	17.86	18.30	19.31	19.74	20.17	20.59	21.03	22.04
	8H	17.09	17.47	17.94	18.32	19.38	19.92	20.30	20.77	21.14	22.21

END OF REPORT