

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P622920 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF65-XX-PC-35W-7050**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622920 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (2022-09-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/4/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LSF65-XX-PC-35W-7050
Description: Flood light with selectable wattage and CCT
Light Source: (1) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

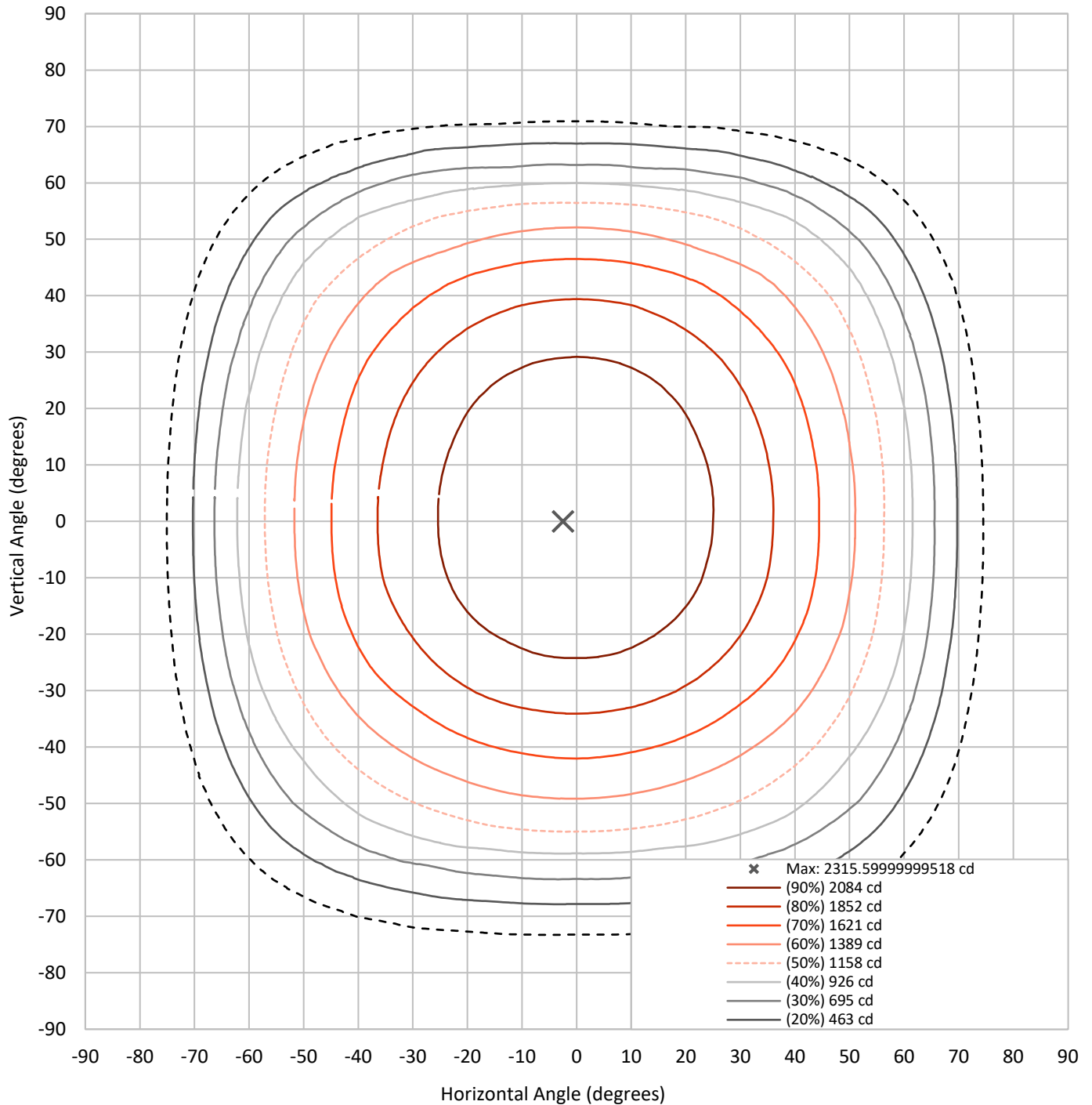
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	6270.6 lumens	Max Intensity:	2315.6 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	169.5 lumens/watt		
Luminous Opening:	Rectangular (W 0.12m x L: 0.2m x H: 0m)		
Beam Angle (50%):	113.4°H x 111.6°V	Field Angle (10%):	149.5°H x 144.2°V
Beam Lumens:	5030.7 lumens	Field Lumens:	6177.8 lumens
Beam Efficiency:	80.2%	Field Efficiency:	98.5%
Input Watts (W):	37		
Input Voltage (V):	120		
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:	25 FT		



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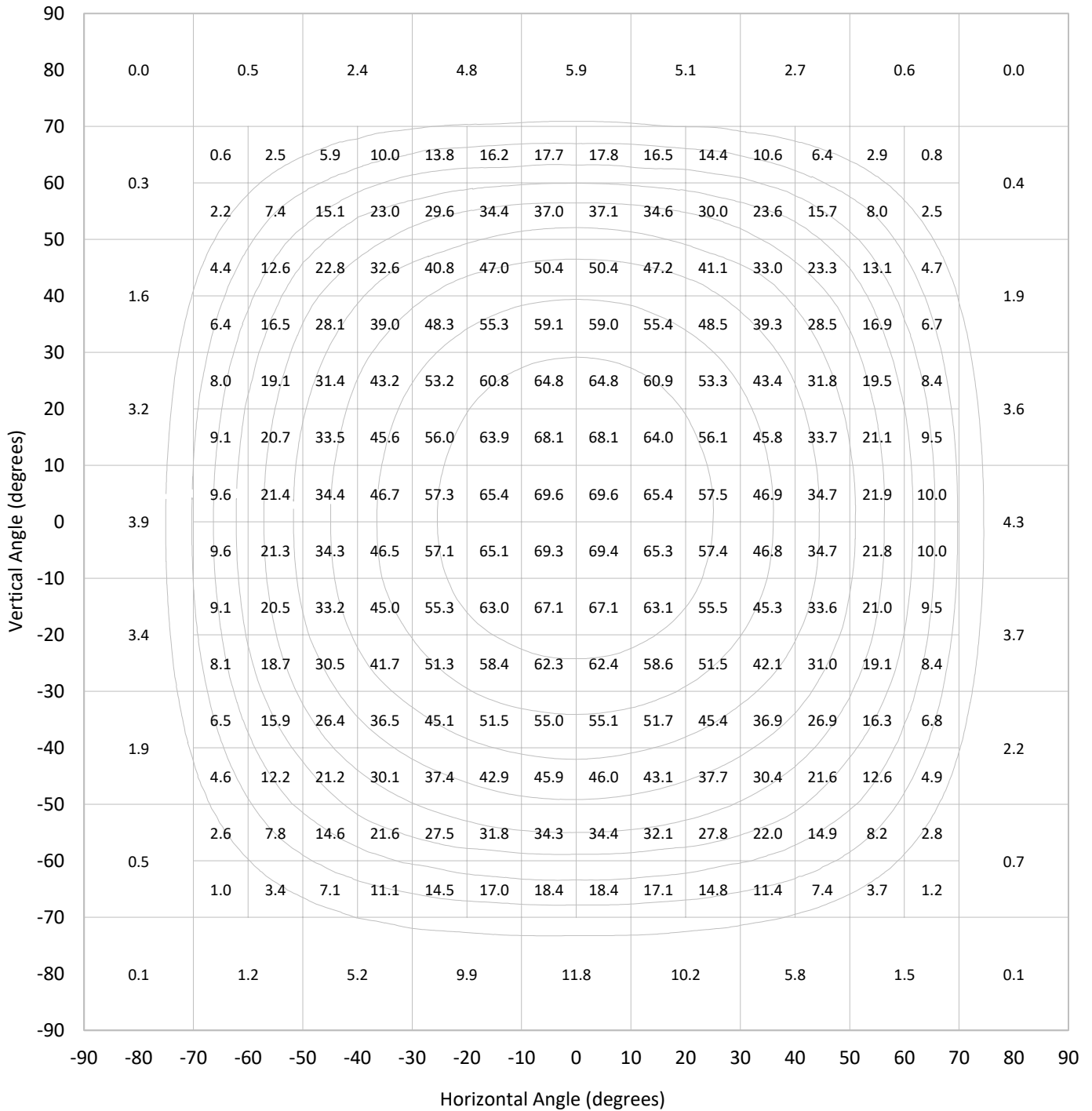
Iso-Candela Plot





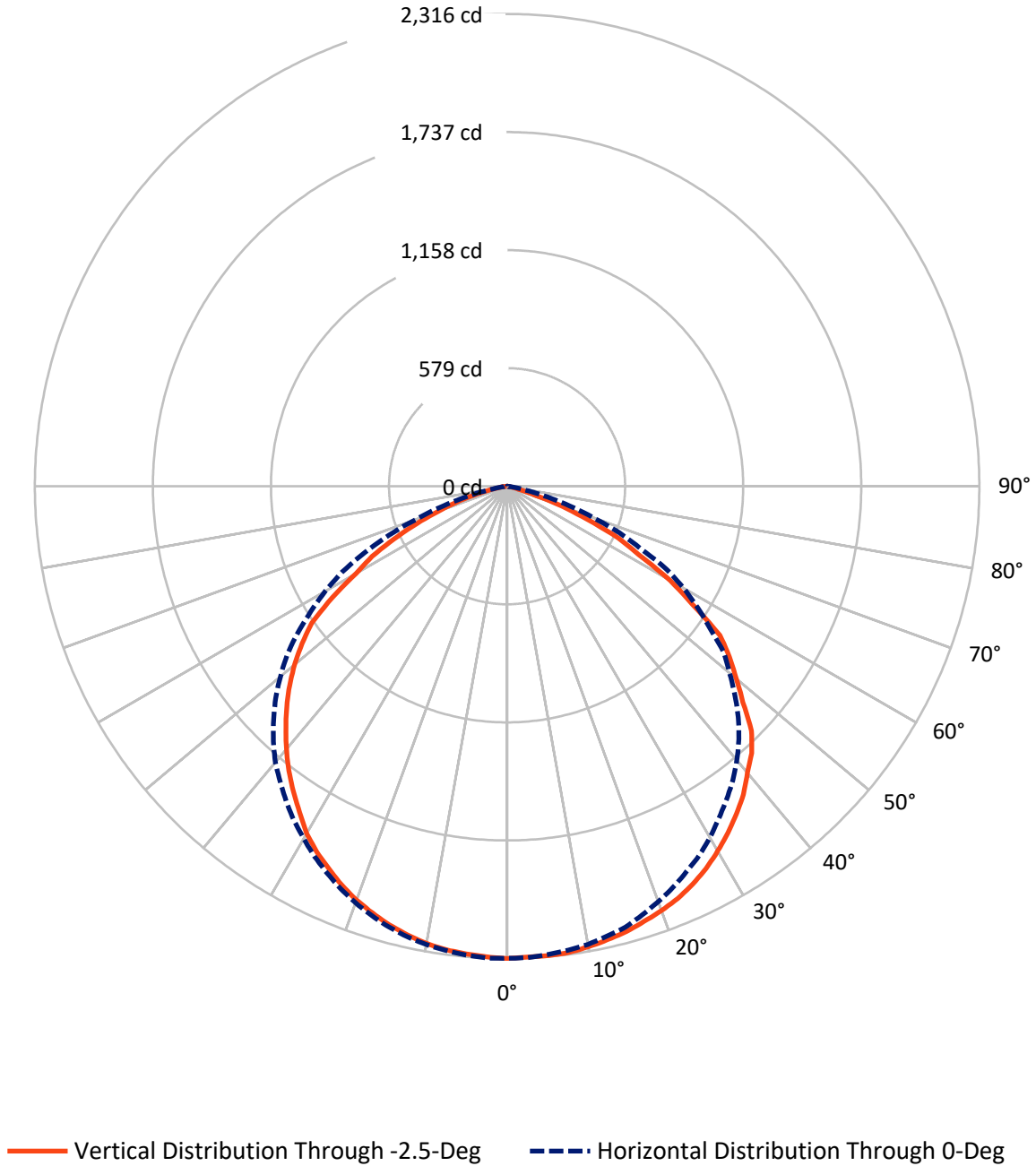
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Lumen Table



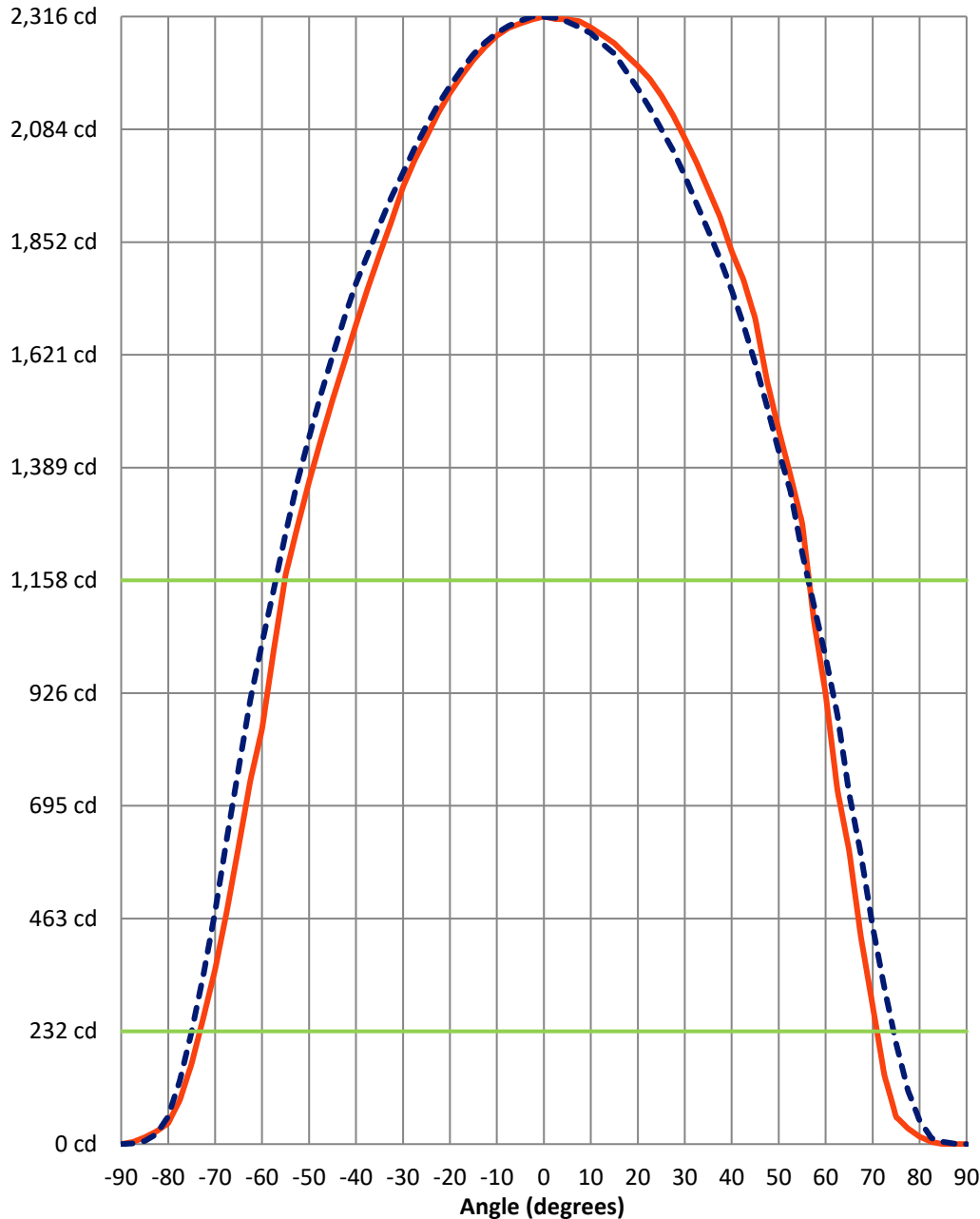
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 113.4°
 V Angle: 111.6°
 Lumens: 5030.7
 Efficiency: 80.2%

Field:
 H Angle: 149.5°
 V Angle: 144.2°
 Lumens: 6177.8
 Efficiency: 98.5%

Spill:
 Lumens: 92.9
 Efficiency: 1.5%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through 0-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
85°	0.0	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.2	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.7
80°	0.0	0.3	0.5	0.6	0.6	0.6	0.7	0.7	1.3	1.6	2.1
77.5°	0.0	0.3	0.6	0.7	0.7	0.9	1.3	2.1	2.8	3.8	4.8
75°	0.0	0.4	0.6	0.7	1.0	1.4	2.6	3.7	4.8	6.1	7.7
72.5°	0.0	0.5	0.7	0.9	1.2	2.5	4.0	5.4	6.8	9.2	11.9
70°	0.0	0.5	0.8	1.1	2.0	3.6	5.4	7.0	10.1	13.7	19.4
67.5°	0.0	0.6	0.8	1.3	2.8	4.8	6.9	10.0	14.2	22.2	33.5
65°	0.0	0.7	0.9	1.7	3.7	6.2	9.1	13.6	21.9	36.3	51.7
62.5°	0.0	0.7	1.1	2.2	4.6	7.7	12.0	17.5	34.9	52.6	72.5
60°	0.0	0.7	1.2	2.8	5.6	9.7	15.2	29.5	49.3	69.2	102.5
57.5°	0.0	0.7	1.3	3.4	7.0	12.1	18.5	41.8	63.6	94.9	139.4
55°	0.0	0.8	1.4	4.1	8.4	14.6	28.2	53.6	81.6	127.0	175.7
52.5°	0.0	0.8	1.6	4.7	9.9	17.1	37.7	65.5	104.5	159.7	220.1
50°	0.0	0.8	1.9	5.4	11.7	19.6	47.4	79.0	133.5	193.4	260.6
47.5°	0.0	0.8	2.3	6.2	13.5	26.7	56.8	97.6	161.9	228.8	302.6
45°	0.0	0.9	2.6	7.2	15.3	33.5	66.6	117.9	188.2	262.7	349.8
42.5°	0.0	0.9	2.9	8.3	17.1	40.3	76.3	139.7	215.1	297.2	396.9
40°	0.0	0.9	3.1	9.3	18.8	47.2	90.3	160.4	241.1	332.1	429.3
37.5°	0.0	0.9	3.4	10.3	20.4	53.7	103.5	179.9	266.6	370.2	469.5
35°	0.0	1.0	3.7	11.4	23.9	60.6	118.0	199.3	291.5	400.9	509.2
32.5°	0.0	1.0	4.1	12.5	27.9	67.5	132.7	218.3	315.1	424.3	546.4
30°	0.0	1.1	4.4	13.5	31.7	74.1	146.3	236.4	339.7	452.2	581.3
27.5°	0.0	1.1	4.7	14.4	35.1	80.9	158.9	253.7	365.2	480.1	613.5
25°	0.0	1.2	4.9	15.3	38.4	88.8	170.4	269.8	387.6	506.2	636.4
22.5°	0.0	1.2	5.2	16.1	41.8	95.9	180.8	284.2	403.3	530.2	657.8
20°	0.0	1.2	5.4	16.9	44.9	102.4	190.5	296.7	417.7	551.8	681.5
17.5°	0.0	1.3	5.6	17.6	47.6	108.2	199.9	307.5	431.1	571.2	701.7
15°	0.0	1.3	5.8	18.2	50.0	113.7	208.2	316.6	444.6	588.1	719.7
12.5°	0.0	1.3	6.0	18.8	52.0	118.9	215.1	325.2	455.7	602.3	737.1
10°	0.0	1.3	6.1	19.2	53.7	123.1	220.9	333.7	464.6	612.3	751.0
7.5°	0.0	1.4	6.2	19.6	55.1	126.5	225.4	340.1	471.1	619.4	761.3
5°	0.0	1.4	6.3	20.0	56.0	128.9	228.5	344.5	475.5	624.5	768.1
2.5°	0.0	1.4	6.4	20.2	56.7	130.4	230.4	346.9	477.6	627.2	771.4
0°	0.0	1.4	6.4	20.3	56.9	131.0	231.0	347.2	477.7	627.7	771.1
-2.5°	0.0	1.4	6.5	20.5	57.3	131.5	231.0	347.4	478.0	627.2	771.3
-5°	0.0	1.4	6.5	20.6	57.4	131.1	229.7	345.6	476.3	624.4	768.0
-7.5°	0.0	1.4	6.6	20.7	57.1	129.9	227.2	341.9	472.4	619.2	761.3
-10°	0.0	1.4	6.6	20.6	56.4	127.7	223.5	336.4	466.4	611.7	751.1
-12.5°	0.0	1.4	6.5	20.4	55.3	124.7	218.6	328.9	458.2	601.4	737.4
-15°	0.0	1.4	6.5	20.1	53.8	120.8	212.6	321.3	447.7	587.4	720.4
-17.5°	0.0	1.4	6.3	19.7	52.0	116.5	205.5	313.1	435.0	570.9	702.9
-20°	0.0	1.4	6.2	19.2	49.7	111.7	197.4	303.2	421.7	552.2	683.1

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	1.4	6.0	18.6	47.1	106.1	189.2	291.7	406.9	531.8	659.9
-25°	0.0	1.3	5.8	18.0	44.1	99.8	180.4	277.7	390.6	509.5	636.7
-27.5°	0.0	1.3	5.6	17.3	41.2	92.6	170.7	261.7	370.5	485.2	611.3
-30°	0.0	1.3	5.3	16.6	38.2	86.1	160.1	244.2	348.4	458.8	580.5
-32.5°	0.0	1.2	5.0	15.7	34.9	79.5	148.7	228.1	326.4	431.6	547.9
-35°	0.0	1.2	4.6	14.8	31.2	72.4	136.4	212.0	304.1	406.4	514.4
-37.5°	0.0	1.1	4.2	13.8	27.9	65.4	123.6	195.7	279.5	377.9	477.4
-40°	0.0	1.1	4.0	12.8	26.0	58.9	110.6	179.4	252.9	346.6	439.3
-42.5°	0.0	1.1	3.8	11.6	23.9	52.0	96.7	162.2	229.7	313.6	405.5
-45°	0.0	1.1	3.5	10.5	21.5	45.3	85.8	144.1	208.1	279.3	364.3
-47.5°	0.0	1.1	3.2	9.2	19.7	38.7	74.3	125.6	186.5	244.5	321.6
-50°	0.0	1.0	2.9	8.2	18.0	31.7	64.2	106.4	163.2	217.8	280.6
-52.5°	0.0	1.0	2.6	7.3	16.1	27.9	53.9	90.5	139.1	190.6	241.4
-55°	0.0	1.0	2.4	6.2	14.2	23.9	44.3	75.7	114.4	162.6	210.3
-57.5°	0.0	0.9	2.2	5.2	12.2	20.9	34.4	62.5	92.9	133.9	178.4
-60°	0.0	0.9	2.0	4.6	10.2	18.3	28.7	49.3	74.5	104.6	145.7
-62.5°	0.0	0.8	1.8	4.0	8.5	15.7	23.4	36.5	58.5	82.2	112.4
-65°	0.0	0.8	1.6	3.3	6.7	12.9	20.0	28.7	43.6	63.3	84.9
-67.5°	0.0	0.7	1.4	2.8	5.3	10.3	16.6	22.9	32.1	46.4	63.6
-70°	0.0	0.7	1.3	2.4	4.4	7.6	13.2	18.6	24.1	33.0	45.2
-72.5°	0.0	0.6	1.2	2.0	3.4	5.7	9.7	14.5	18.8	23.9	31.2
-75°	0.0	0.5	1.0	1.7	2.8	4.4	6.6	10.3	14.2	17.8	21.9
-77.5°	0.0	0.4	0.9	1.4	2.2	3.4	4.9	6.8	9.6	12.9	15.9
-80°	0.0	0.3	0.7	1.2	1.7	2.5	3.6	4.7	6.3	8.2	10.6
-82.5°	0.0	0.3	0.6	0.9	1.3	1.8	2.4	3.2	4.1	5.0	6.3
-85°	0.0	0.2	0.4	0.6	0.9	1.2	1.6	2.0	2.4	2.9	3.6
-87.5°	0.0	0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.2	1.4	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: LSF65-XX-PC-35W-7050

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
82.5°	0.8	0.7	0.8	1.3	1.6	1.8	1.8	2.0	2.5	2.9	3.4
80°	2.8	3.6	4.2	4.8	5.4	5.9	6.4	6.9	8.0	8.9	9.6
77.5°	5.8	7.0	7.9	9.0	10.7	12.3	14.4	16.2	18.0	19.8	21.4
75°	9.3	11.5	13.8	17.1	20.4	25.3	28.8	35.2	41.2	45.4	47.7
72.5°	14.9	19.7	26.0	34.2	42.8	51.9	61.3	69.3	74.4	80.9	85.3
70°	26.8	37.9	48.6	61.2	74.9	89.7	104.0	120.1	135.0	150.4	172.7
67.5°	46.8	59.8	78.3	100.6	121.2	144.6	169.7	200.6	224.2	240.5	276.0
65°	69.1	93.4	122.6	148.0	186.8	221.8	251.5	289.4	336.4	361.9	385.1
62.5°	102.2	136.2	174.5	219.9	258.7	301.7	359.5	397.4	423.9	466.0	510.5
60°	142.2	186.7	238.5	285.8	349.0	404.7	447.0	495.3	548.2	601.5	653.0
57.5°	186.5	242.9	298.8	378.4	438.4	491.7	551.2	610.9	671.9	742.4	807.8
55°	236.8	297.2	381.8	458.6	524.0	589.7	654.3	722.1	814.2	887.6	924.4
52.5°	284.0	366.9	448.7	534.7	611.8	680.4	759.2	854.1	922.8	975.1	1019.4
50°	337.8	427.0	517.2	608.5	691.2	776.0	875.7	944.8	1000.9	1053.4	1102.1
47.5°	397.2	485.7	583.3	674.3	770.4	879.8	953.8	1014.6	1070.8	1129.1	1183.9
45°	440.7	544.3	643.9	737.9	860.8	951.2	1017.1	1077.2	1147.3	1209.7	1277.1
42.5°	492.1	600.3	697.7	821.5	924.4	1007.8	1073.0	1153.4	1221.9	1290.7	1359.7
40°	541.0	647.7	759.9	882.7	977.5	1055.2	1145.1	1222.0	1289.3	1359.6	1420.7
37.5°	587.4	692.7	824.4	929.4	1022.2	1109.5	1206.6	1278.0	1348.0	1414.3	1472.9
35°	627.8	743.8	870.3	978.4	1063.7	1163.6	1250.7	1325.3	1398.4	1463.0	1527.4
32.5°	658.3	797.9	908.1	1014.4	1109.4	1204.1	1291.8	1371.4	1442.3	1514.9	1573.5
30°	697.5	833.1	950.9	1049.8	1147.8	1244.5	1333.2	1410.5	1488.1	1556.9	1618.0
27.5°	736.2	863.1	984.4	1083.2	1178.4	1282.7	1369.6	1447.9	1526.2	1592.7	1657.7
25°	774.1	893.2	1011.6	1110.7	1211.3	1316.6	1401.1	1481.3	1554.4	1625.6	1691.4
22.5°	804.0	926.9	1038.9	1131.9	1245.7	1345.3	1430.1	1508.2	1582.3	1654.3	1717.0
20°	827.4	956.7	1061.5	1155.8	1276.6	1369.9	1453.8	1531.2	1605.7	1677.4	1742.5
17.5°	848.3	975.6	1080.6	1179.1	1299.6	1391.3	1471.0	1551.4	1627.1	1698.4	1765.2
15°	865.3	992.0	1096.8	1202.7	1319.4	1409.3	1488.3	1567.9	1644.0	1717.3	1784.1
12.5°	879.5	1005.6	1110.8	1221.2	1334.3	1423.4	1504.6	1584.3	1659.4	1733.5	1797.2
10°	891.4	1016.1	1122.4	1235.5	1346.0	1434.0	1518.5	1598.2	1674.5	1748.1	1809.3
7.5°	901.8	1023.6	1131.1	1246.0	1354.3	1442.3	1528.8	1609.0	1685.6	1758.1	1818.7
5°	908.7	1028.2	1136.7	1252.4	1359.1	1448.2	1535.3	1615.8	1692.7	1764.7	1824.7
2.5°	912.2	1030.1	1139.6	1255.0	1360.9	1451.3	1538.7	1619.0	1696.2	1768.0	1827.5
0°	912.4	1029.2	1139.7	1253.5	1359.6	1451.0	1538.7	1618.7	1696.1	1767.7	1826.8
-2.5°	911.5	1028.6	1138.9	1252.5	1358.9	1450.5	1538.0	1618.3	1695.8	1767.5	1827.2
-5°	907.5	1025.3	1135.3	1247.8	1355.4	1446.6	1533.9	1614.5	1692.0	1763.7	1824.4
-7.5°	900.4	1019.3	1128.8	1239.3	1349.1	1439.6	1526.5	1607.1	1684.6	1756.4	1818.7
-10°	890.3	1010.5	1119.3	1227.2	1339.3	1430.0	1515.5	1595.9	1673.5	1745.7	1809.9
-12.5°	878.4	999.0	1106.1	1211.8	1325.8	1417.3	1500.9	1581.4	1658.7	1731.0	1795.4
-15°	864.2	984.4	1090.0	1194.1	1309.0	1398.2	1483.9	1564.2	1638.5	1708.2	1770.6
-17.5°	847.4	966.8	1071.3	1172.8	1284.4	1375.8	1464.0	1540.9	1612.4	1680.2	1742.8
-20°	826.6	946.8	1049.5	1149.8	1256.6	1351.7	1437.1	1512.1	1583.1	1650.5	1711.8



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 CATALOG NUMBER: LSF65-XX-PC-35W-7050

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	803.2	920.1	1025.0	1124.7	1223.6	1319.8	1401.4	1478.5	1552.3	1618.3	1675.6
-25°	773.9	890.8	997.5	1093.3	1187.8	1282.8	1360.3	1443.0	1515.9	1580.9	1640.2
-27.5°	737.3	861.3	964.4	1056.9	1150.4	1242.1	1322.2	1398.7	1472.4	1541.8	1598.8
-30°	699.9	827.0	927.1	1016.2	1110.8	1200.1	1279.8	1348.2	1425.8	1493.1	1549.5
-32.5°	660.6	789.5	884.7	974.5	1064.1	1154.0	1234.1	1301.7	1368.3	1439.0	1495.9
-35°	625.3	738.7	843.4	931.9	1011.3	1103.8	1186.4	1253.5	1313.7	1377.5	1437.3
-37.5°	584.7	690.3	799.5	883.0	961.3	1043.6	1131.7	1203.8	1261.1	1316.8	1374.0
-40°	541.6	643.8	745.1	835.2	910.8	981.4	1066.1	1143.8	1206.0	1258.9	1309.5
-42.5°	498.7	594.7	690.9	784.0	857.3	924.7	995.3	1076.3	1142.0	1198.3	1246.7
-45°	452.6	542.9	636.2	722.5	802.7	868.8	935.3	1002.3	1072.7	1128.8	1180.1
-47.5°	410.0	493.4	576.0	665.4	740.6	810.0	874.2	936.6	997.8	1058.2	1105.9
-50°	356.9	441.8	519.9	598.2	679.1	739.2	806.3	868.5	926.6	982.2	1034.3
-52.5°	306.3	386.2	463.5	533.4	601.0	662.5	722.5	790.7	848.8	904.8	951.3
-55°	260.5	321.7	403.6	473.4	527.7	582.4	633.4	687.4	763.1	812.7	855.7
-57.5°	222.1	269.5	325.7	403.6	460.8	507.7	552.2	595.1	635.8	697.1	753.3
-60°	186.4	225.9	268.2	316.7	377.4	433.5	477.4	514.2	549.4	579.7	621.0
-62.5°	149.7	186.5	221.9	256.9	295.3	338.5	388.3	438.1	469.2	495.9	522.8
-65°	112.5	145.9	178.7	206.1	237.0	267.7	297.9	331.3	368.0	411.9	434.8
-67.5°	81.9	104.8	133.7	159.0	182.0	205.6	237.0	259.9	280.7	299.2	329.9
-70°	59.6	74.1	92.1	112.0	133.2	152.4	169.5	184.6	213.2	236.0	248.2
-72.5°	40.4	52.4	63.3	73.2	87.4	102.2	118.2	132.4	145.0	158.0	171.7
-75°	27.1	34.4	41.3	49.1	56.4	63.8	71.2	82.0	91.3	100.2	107.7
-77.5°	18.6	21.9	26.0	29.8	34.4	38.4	43.7	48.4	52.6	56.6	60.4
-80°	13.1	15.4	17.2	18.9	20.7	23.1	25.1	26.8	29.5	31.7	33.5
-82.5°	7.9	9.7	11.0	12.3	13.6	14.8	15.9	17.1	18.0	18.9	19.7
-85°	4.3	5.0	5.5	6.1	6.7	7.5	8.3	9.1	9.7	10.3	10.9
-87.5°	1.9	2.2	2.4	2.7	2.9	3.1	3.3	3.5	3.6	3.7	3.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
82.5°	3.8	4.1	4.4	4.5	4.6	4.6	4.6	4.5	4.4	4.5	4.6
80°	10.4	11.3	12.0	12.6	13.2	13.8	14.3	14.6	14.9	15.1	15.4
77.5°	23.8	25.7	26.1	27.0	28.2	29.1	29.9	30.5	31.0	31.7	32.1
75°	48.3	47.5	45.2	45.9	49.5	53.7	59.5	65.8	70.1	70.0	67.9
72.5°	89.5	95.8	103.2	117.3	128.8	133.4	132.0	127.8	120.9	123.8	132.4
70°	187.6	196.7	210.0	224.6	237.1	243.8	248.2	251.1	255.1	261.8	270.1
67.5°	300.0	314.8	334.0	357.5	364.9	365.5	370.6	390.3	403.9	416.4	423.9
65°	411.4	429.2	468.0	515.5	533.0	547.4	558.7	566.7	571.4	578.2	588.6
62.5°	559.6	597.7	631.8	660.8	682.0	696.3	701.8	700.9	696.8	696.9	708.7
60°	702.1	748.6	779.5	796.6	802.7	819.9	852.3	877.9	891.3	896.4	906.7
57.5°	850.7	870.8	882.9	914.2	963.9	1002.3	1015.9	1016.5	1025.0	1044.6	1064.4
55°	947.2	989.7	1044.2	1090.6	1124.7	1141.7	1166.0	1194.5	1217.6	1239.1	1250.6
52.5°	1064.7	1109.9	1150.3	1186.7	1217.2	1245.7	1271.7	1296.1	1318.8	1337.5	1351.6
50°	1149.9	1198.6	1243.8	1280.0	1304.2	1331.0	1361.3	1387.9	1410.5	1427.3	1441.1
47.5°	1244.0	1300.6	1338.0	1367.1	1393.3	1425.1	1462.9	1492.7	1511.4	1524.1	1538.1
45°	1346.6	1386.4	1419.1	1453.0	1498.0	1544.9	1573.4	1595.0	1618.1	1642.6	1664.7
42.5°	1417.8	1457.7	1496.7	1545.3	1589.9	1624.3	1653.0	1681.0	1706.1	1728.2	1747.3
40°	1473.1	1520.9	1570.7	1615.2	1651.4	1684.9	1712.4	1745.1	1772.4	1791.8	1807.1
37.5°	1529.5	1582.7	1629.4	1668.0	1704.0	1743.3	1781.4	1808.1	1833.3	1855.3	1874.6
35°	1583.0	1634.1	1675.9	1719.3	1763.6	1800.1	1836.8	1864.8	1890.6	1913.4	1929.4
32.5°	1630.8	1678.8	1725.2	1769.6	1814.1	1852.1	1886.9	1916.5	1942.1	1964.1	1983.3
30°	1672.9	1722.5	1769.7	1817.9	1860.7	1902.6	1934.2	1967.0	1995.4	2016.6	2034.4
27.5°	1711.5	1762.2	1813.4	1859.4	1906.9	1942.2	1981.0	2012.1	2040.4	2060.5	2081.4
25°	1746.0	1800.0	1848.6	1895.9	1939.5	1984.0	2018.0	2049.8	2079.8	2103.3	2121.2
22.5°	1776.3	1830.7	1876.7	1924.3	1971.6	2014.0	2051.6	2082.8	2111.4	2136.1	2154.9
20°	1803.1	1853.2	1901.8	1950.5	1997.3	2039.2	2077.4	2110.8	2140.5	2163.1	2182.9
17.5°	1823.4	1873.6	1923.4	1972.9	2017.5	2061.1	2100.8	2135.7	2165.8	2187.7	2205.4
15°	1840.1	1892.0	1941.7	1992.2	2035.7	2082.1	2122.0	2157.0	2185.5	2208.9	2225.2
12.5°	1854.2	1905.9	1959.1	2007.0	2056.4	2099.3	2138.1	2174.4	2203.2	2224.9	2246.2
10°	1865.8	1916.5	1971.6	2023.6	2069.8	2112.8	2152.7	2186.6	2213.0	2241.1	2258.2
7.5°	1875.7	1927.5	1981.6	2035.2	2082.5	2122.4	2162.3	2198.0	2226.0	2251.0	2269.9
5°	1882.7	1936.7	1989.5	2042.5	2088.3	2130.7	2167.8	2204.6	2230.7	2254.4	2273.6
2.5°	1886.7	1942.5	1993.9	2045.8	2091.5	2135.5	2173.6	2207.2	2235.2	2257.8	2278.4
0°	1887.4	1944.0	1994.5	2045.8	2091.5	2135.2	2173.0	2207.3	2237.9	2262.6	2281.9
-2.5°	1886.2	1942.3	1994.0	2043.8	2090.6	2133.8	2171.2	2205.3	2234.2	2257.4	2279.2
-5°	1881.6	1936.9	1989.2	2037.4	2085.7	2127.5	2164.6	2198.9	2226.3	2249.7	2270.6
-7.5°	1873.9	1927.6	1980.1	2028.3	2076.9	2116.5	2156.2	2190.5	2217.6	2239.5	2259.3
-10°	1863.2	1914.0	1966.1	2016.0	2061.5	2102.3	2143.8	2177.5	2202.7	2223.9	2243.7
-12.5°	1846.6	1894.9	1946.7	1997.1	2041.3	2085.4	2124.1	2156.3	2182.7	2201.8	2220.6
-15°	1825.0	1872.0	1922.1	1973.2	2019.6	2060.7	2096.0	2130.1	2157.8	2177.4	2194.1
-17.5°	1799.6	1846.0	1892.6	1943.5	1988.9	2029.1	2066.3	2098.4	2124.4	2144.9	2160.2
-20°	1768.3	1817.1	1860.6	1907.3	1953.3	1994.3	2029.6	2061.0	2087.7	2107.1	2124.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1731.9	1783.9	1827.3	1869.5	1911.8	1953.2	1989.3	2018.8	2043.8	2066.6	2085.4
-25°	1692.1	1742.3	1789.7	1830.9	1870.0	1906.8	1942.6	1972.5	1995.9	2020.3	2040.6
-27.5°	1645.4	1694.2	1743.0	1787.2	1825.8	1861.0	1895.0	1924.1	1946.2	1970.7	1989.5
-30°	1597.7	1641.3	1687.6	1733.6	1774.3	1808.4	1840.6	1872.1	1897.2	1916.0	1934.0
-32.5°	1543.8	1586.7	1628.0	1670.7	1713.8	1749.7	1779.6	1806.9	1832.8	1853.4	1867.7
-35°	1486.5	1528.5	1566.2	1608.2	1647.1	1684.9	1714.3	1740.3	1764.1	1783.5	1798.1
-37.5°	1425.1	1466.8	1506.8	1544.6	1581.1	1616.5	1645.7	1672.7	1694.6	1715.6	1730.7
-40°	1359.1	1403.8	1443.0	1481.0	1514.9	1543.6	1574.1	1601.2	1622.0	1639.8	1654.0
-42.5°	1291.9	1335.3	1375.6	1411.5	1444.4	1474.4	1501.8	1524.8	1546.2	1564.5	1578.0
-45°	1224.6	1265.3	1303.4	1338.1	1368.1	1397.4	1426.3	1450.6	1470.9	1486.7	1499.8
-47.5°	1150.5	1193.2	1229.4	1262.2	1292.2	1319.4	1346.7	1371.2	1393.7	1410.9	1423.4
-50°	1074.3	1111.1	1149.5	1183.7	1212.3	1239.0	1264.9	1288.6	1309.6	1328.2	1341.6
-52.5°	995.0	1033.8	1064.3	1094.1	1123.8	1152.9	1177.9	1199.3	1218.5	1234.4	1247.4
-55°	884.9	927.2	974.8	1009.9	1033.3	1051.3	1077.2	1103.4	1121.5	1136.0	1148.3
-57.5°	779.3	803.6	825.7	860.7	904.9	933.7	944.8	950.2	963.0	983.4	1001.8
-60°	665.3	703.4	719.4	730.6	748.0	773.6	794.3	814.7	824.2	827.7	838.2
-62.5°	553.6	587.3	615.5	635.0	653.7	674.2	689.6	703.1	714.6	724.4	733.3
-65°	453.0	469.5	493.0	519.7	541.2	555.1	560.5	565.8	573.9	591.1	604.9
-67.5°	359.8	381.0	393.7	404.7	419.9	432.8	444.0	453.2	457.1	461.5	468.3
-70°	259.4	269.5	286.2	310.2	325.8	329.4	331.5	333.3	342.7	353.6	360.9
-72.5°	188.6	204.8	216.3	220.5	223.4	227.7	235.2	243.5	252.4	257.3	258.5
-75°	115.8	125.2	134.7	143.0	149.3	153.8	156.8	158.2	158.1	160.6	163.1
-77.5°	64.9	68.6	71.0	73.1	75.8	77.9	79.3	80.0	81.0	84.4	87.3
-80°	35.3	36.5	37.1	38.1	39.5	41.2	42.1	42.4	42.0	42.5	42.8
-82.5°	20.6	21.6	22.5	23.2	23.8	24.3	24.7	25.1	25.4	25.8	26.0
-85°	11.4	11.9	12.3	12.6	12.8	13.0	13.2	13.4	13.5	13.7	13.8
-87.5°	3.9	4.0	4.1	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
82.5°	4.6	4.6	4.5	4.4	4.4	4.4	4.3	4.2	4.1	4.0	4.0
80°	15.4	15.4	15.3	15.1	15.2	15.1	15.0	14.8	14.4	14.0	13.6
77.5°	32.4	32.5	32.4	32.1	32.2	32.1	31.8	31.4	30.7	30.0	29.3
75°	64.8	60.8	56.2	51.1	54.5	57.6	60.1	62.0	63.1	63.2	62.4
72.5°	138.1	141.1	141.8	140.5	141.3	140.2	136.7	130.6	121.8	116.5	119.0
70°	276.9	281.8	284.3	284.1	283.6	279.9	273.4	263.9	251.7	240.0	230.3
67.5°	427.3	427.9	425.6	420.3	425.0	426.7	425.5	421.7	413.3	397.3	380.6
65°	596.1	600.7	602.0	599.8	600.8	598.4	592.8	584.3	573.2	563.1	553.1
62.5°	724.8	730.2	727.5	718.9	725.1	725.4	717.2	698.1	684.7	685.3	690.1
60°	914.7	920.2	923.3	923.7	922.2	918.1	911.5	902.4	890.9	881.8	866.2
57.5°	1073.6	1077.6	1075.3	1066.1	1072.5	1071.6	1063.8	1050.5	1030.8	1014.5	1006.1
55°	1260.8	1268.9	1274.3	1276.1	1274.0	1268.3	1259.4	1248.0	1234.4	1209.8	1184.1
52.5°	1362.0	1369.1	1373.1	1374.1	1371.9	1366.6	1358.4	1346.7	1331.3	1312.2	1290.4
50°	1452.9	1461.4	1466.6	1468.4	1466.3	1460.8	1451.9	1439.8	1424.3	1404.5	1380.6
47.5°	1552.9	1563.6	1568.4	1568.2	1567.5	1561.8	1550.2	1534.2	1518.8	1505.2	1484.5
45°	1678.0	1688.5	1695.2	1696.9	1694.5	1687.3	1676.5	1663.2	1639.6	1614.6	1590.4
42.5°	1760.1	1768.8	1774.7	1777.7	1774.0	1767.4	1757.9	1745.0	1725.7	1701.4	1673.9
40°	1819.5	1828.2	1833.4	1835.3	1833.1	1827.6	1818.2	1804.9	1788.6	1766.8	1739.2
37.5°	1888.4	1898.1	1904.1	1906.7	1904.4	1899.2	1890.6	1876.0	1854.2	1827.9	1806.1
35°	1942.2	1952.7	1960.4	1965.0	1961.1	1954.1	1944.3	1930.8	1912.2	1889.2	1861.8
32.5°	1998.1	2009.0	2016.0	2019.8	2015.8	2008.5	1997.8	1983.2	1963.0	1941.2	1915.9
30°	2049.7	2059.3	2065.7	2068.5	2066.7	2060.5	2049.4	2033.2	2013.9	1992.8	1962.3
27.5°	2097.4	2107.8	2113.0	2114.8	2112.8	2107.5	2096.6	2081.0	2062.7	2039.6	2007.6
25°	2134.9	2146.7	2153.6	2156.6	2153.9	2148.1	2138.0	2120.8	2100.0	2078.2	2048.8
22.5°	2170.2	2181.4	2187.9	2191.3	2188.9	2183.5	2170.5	2155.1	2135.8	2110.3	2079.8
20°	2198.8	2210.7	2213.9	2214.7	2213.4	2210.3	2199.6	2182.7	2161.5	2136.0	2108.0
17.5°	2218.6	2231.4	2236.8	2238.9	2237.1	2232.5	2222.7	2206.5	2186.4	2158.6	2128.4
15°	2239.9	2252.2	2260.6	2261.9	2259.6	2253.8	2244.4	2226.5	2206.6	2182.9	2150.1
12.5°	2260.0	2270.4	2277.2	2279.2	2277.5	2271.3	2263.0	2247.0	2221.3	2198.6	2169.0
10°	2274.4	2286.1	2293.2	2293.3	2290.6	2286.7	2276.9	2261.2	2240.1	2210.8	2183.7
7.5°	2287.1	2299.4	2306.1	2306.2	2301.8	2297.5	2286.6	2272.0	2251.0	2224.9	2192.9
5°	2289.9	2302.7	2309.8	2309.4	2309.0	2305.3	2291.3	2277.8	2257.4	2230.7	2199.7
2.5°	2292.6	2302.5	2310.5	2315.3	2313.7	2305.6	2294.6	2279.6	2260.1	2236.5	2203.5
0°	2296.4	2306.9	2315.6	2314.9	2312.9	2304.9	2293.9	2281.1	2259.6	2239.1	2203.3
-2.5°	2292.6	2302.6	2309.5	2307.2	2303.2	2299.8	2290.5	2273.5	2252.6	2230.3	2198.1
-5°	2287.1	2298.8	2301.4	2299.4	2298.8	2292.7	2284.4	2266.9	2246.1	2219.8	2190.4
-7.5°	2275.5	2286.0	2292.2	2288.8	2290.5	2284.6	2275.5	2256.9	2236.2	2210.0	2183.7
-10°	2259.0	2270.8	2276.2	2275.3	2275.5	2270.4	2258.0	2241.5	2221.3	2196.9	2169.5
-12.5°	2236.1	2246.8	2253.5	2255.5	2252.5	2247.7	2240.1	2220.7	2202.9	2177.7	2145.3
-15°	2207.9	2219.9	2226.6	2228.0	2225.4	2219.6	2209.2	2195.1	2175.8	2148.7	2119.0
-17.5°	2177.6	2190.7	2194.3	2193.7	2191.7	2187.1	2178.4	2164.7	2140.7	2117.7	2089.2
-20°	2141.6	2153.5	2158.7	2160.1	2157.1	2151.8	2141.9	2125.0	2106.7	2079.5	2051.6



REPORT NUMBER: P622920 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-35W-7050

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	2101.9	2113.1	2117.5	2118.0	2117.3	2111.5	2102.1	2083.4	2061.1	2038.4	2013.0
-25°	2054.7	2064.0	2068.6	2068.5	2067.5	2062.3	2052.3	2033.9	2015.1	1994.9	1967.9
-27.5°	2005.4	2015.8	2021.0	2021.4	2018.3	2011.6	2000.7	1987.6	1970.7	1945.6	1918.8
-30°	1950.5	1960.4	1965.3	1965.3	1965.1	1960.4	1951.6	1933.9	1912.8	1890.6	1865.1
-32.5°	1878.8	1888.5	1893.8	1893.8	1893.8	1888.4	1878.5	1865.6	1848.4	1823.6	1794.3
-35°	1810.7	1821.0	1826.9	1828.3	1826.1	1819.1	1807.6	1793.3	1777.5	1755.9	1730.0
-37.5°	1741.9	1751.4	1757.4	1759.4	1757.1	1751.1	1741.2	1727.4	1709.8	1688.5	1665.6
-40°	1667.2	1677.1	1683.2	1685.3	1682.4	1675.4	1664.5	1649.8	1633.5	1614.5	1593.9
-42.5°	1590.5	1599.5	1604.9	1606.7	1603.4	1596.5	1586.1	1572.6	1558.7	1541.0	1519.3
-45°	1512.5	1522.0	1528.1	1530.5	1527.7	1521.5	1512.4	1500.8	1484.5	1464.6	1442.8
-47.5°	1433.5	1441.1	1445.7	1447.1	1444.4	1438.4	1429.3	1416.5	1401.0	1383.7	1363.8
-50°	1350.9	1357.1	1360.2	1360.1	1358.3	1353.2	1345.0	1333.6	1319.0	1301.4	1281.5
-52.5°	1257.1	1263.6	1266.8	1266.8	1265.2	1260.4	1252.5	1241.6	1228.0	1212.9	1193.9
-55°	1157.9	1164.7	1168.5	1169.1	1167.1	1161.7	1153.1	1141.1	1126.1	1111.7	1093.1
-57.5°	1010.7	1015.4	1015.3	1009.3	1013.5	1012.0	1006.2	996.4	976.3	954.0	938.9
-60°	846.0	851.1	853.4	852.9	851.7	847.8	841.5	832.8	821.8	817.3	806.9
-62.5°	740.1	744.4	746.3	746.0	745.1	742.0	736.3	728.0	718.0	708.4	697.3
-65°	612.4	614.3	611.2	604.0	610.0	612.0	609.0	600.5	585.7	568.0	560.0
-67.5°	473.6	477.1	478.9	478.9	478.6	476.6	472.8	467.3	460.1	453.3	446.2
-70°	363.8	362.8	358.8	352.4	357.7	360.6	360.7	357.1	349.4	338.4	328.9
-72.5°	259.5	260.1	259.8	258.3	259.4	259.3	258.5	257.2	255.8	250.1	239.6
-75°	164.8	165.5	165.4	164.4	164.5	163.8	162.1	159.7	156.4	153.0	151.2
-77.5°	89.3	90.4	90.7	90.2	90.2	89.4	87.8	85.4	82.1	78.3	76.7
-80°	43.0	43.0	42.9	42.6	42.6	42.4	42.1	41.7	41.1	40.4	39.7
-82.5°	26.1	26.2	26.1	26.0	26.0	25.9	25.7	25.4	25.1	24.6	24.1
-85°	13.8	13.9	13.9	13.8	13.8	13.7	13.6	13.4	13.3	13.0	12.7
-87.5°	4.5	4.5	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.4	4.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622920 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-35W-7050

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
85°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	4.0	3.9	3.9	3.8	3.7	3.5	3.3	3.0	2.6	2.1	1.6
80°	13.2	12.6	11.9	11.2	10.4	9.7	8.9	8.1	7.7	7.2	6.6
77.5°	28.5	27.5	26.4	25.1	23.9	23.1	21.3	19.0	17.3	15.5	13.7
75°	61.1	59.2	56.7	53.7	50.4	47.1	43.8	41.2	38.8	35.0	30.1
72.5°	120.7	121.5	118.6	109.3	96.5	92.4	86.8	78.7	70.5	62.3	57.4
70°	229.0	228.1	225.8	209.6	189.9	178.0	169.8	154.8	136.2	118.7	98.8
67.5°	360.8	356.6	355.4	343.5	310.9	288.5	274.1	249.9	224.5	202.7	177.2
65°	540.6	525.5	508.2	488.7	450.4	416.0	393.8	362.9	337.1	298.8	264.5
62.5°	686.7	670.5	646.4	622.6	597.8	570.9	536.0	490.1	444.2	399.0	374.7
60°	843.3	809.4	789.9	781.1	752.5	710.6	664.9	625.6	581.5	525.2	469.3
57.5°	1000.9	981.0	935.9	896.1	871.2	853.4	823.2	773.8	706.5	647.0	586.2
55°	1153.8	1129.5	1110.9	1071.5	1019.2	965.1	932.1	903.8	852.8	778.8	690.5
52.5°	1264.4	1235.0	1204.5	1173.6	1138.1	1095.8	1041.7	998.3	956.0	896.3	818.2
50°	1353.8	1324.0	1296.0	1267.6	1228.0	1182.1	1136.9	1087.2	1033.0	982.3	922.3
47.5°	1453.2	1415.4	1384.5	1357.4	1327.7	1285.5	1225.2	1167.0	1112.9	1051.8	996.7
45°	1566.4	1534.8	1485.3	1442.2	1408.3	1374.6	1332.3	1258.7	1190.7	1126.6	1059.8
42.5°	1645.1	1620.0	1581.2	1534.7	1486.4	1446.5	1404.6	1345.6	1274.0	1202.9	1128.5
40°	1706.6	1675.8	1641.6	1605.5	1559.3	1511.6	1461.8	1407.3	1344.3	1273.3	1202.3
37.5°	1774.0	1736.1	1696.3	1658.3	1617.7	1570.2	1517.1	1461.0	1400.3	1331.8	1262.0
35°	1829.9	1798.0	1756.5	1711.7	1666.1	1622.9	1570.8	1512.8	1450.2	1383.9	1310.1
32.5°	1883.0	1846.9	1808.5	1765.6	1718.1	1668.0	1619.6	1561.6	1498.8	1428.2	1354.8
30°	1933.1	1897.6	1854.9	1811.5	1764.7	1715.1	1660.6	1607.3	1542.2	1471.7	1393.4
27.5°	1975.7	1941.1	1902.4	1852.3	1804.5	1755.1	1703.1	1644.1	1583.0	1508.5	1428.1
25°	2013.6	1978.7	1937.6	1891.5	1839.5	1788.8	1738.8	1681.5	1614.8	1541.2	1464.3
22.5°	2049.0	2009.4	1967.2	1922.7	1873.0	1819.7	1764.3	1709.2	1642.1	1573.2	1492.7
20°	2074.9	2037.5	1993.2	1947.2	1897.3	1845.7	1790.7	1733.0	1668.7	1596.7	1516.8
17.5°	2097.4	2059.5	2017.0	1968.1	1921.4	1868.3	1812.8	1752.4	1690.6	1617.9	1539.1
15°	2114.6	2077.8	2036.9	1991.0	1940.2	1888.2	1831.2	1771.8	1707.6	1635.7	1559.2
12.5°	2133.3	2094.6	2053.1	2006.2	1956.6	1904.6	1847.5	1786.9	1721.4	1650.6	1574.1
10°	2148.1	2109.2	2066.4	2021.2	1969.7	1915.1	1858.6	1799.4	1734.5	1664.3	1587.1
7.5°	2159.0	2120.1	2077.1	2030.6	1978.9	1925.0	1869.2	1808.8	1744.6	1674.3	1596.6
5°	2166.7	2126.4	2084.6	2037.5	1985.4	1930.8	1875.7	1815.3	1751.1	1680.3	1602.4
2.5°	2169.9	2129.4	2086.7	2041.0	1988.9	1933.1	1877.8	1818.4	1754.0	1683.1	1604.6
0°	2167.6	2128.0	2084.1	2040.6	1988.6	1931.5	1875.9	1817.8	1753.2	1682.3	1603.2
-2.5°	2166.5	2126.3	2081.9	2038.5	1987.0	1930.2	1875.2	1816.6	1751.6	1681.7	1603.5
-5°	2159.9	2119.9	2074.8	2034.1	1981.1	1924.7	1871.0	1811.8	1746.8	1677.7	1600.2
-7.5°	2148.2	2107.8	2062.1	2024.9	1971.5	1916.2	1863.1	1803.5	1738.9	1670.8	1593.2
-10°	2131.6	2093.2	2050.6	2009.4	1957.7	1905.1	1851.4	1792.1	1728.1	1659.2	1582.2
-12.5°	2111.8	2074.0	2036.3	1989.0	1938.5	1887.6	1833.9	1775.3	1713.0	1643.3	1567.9
-15°	2086.5	2052.4	2012.4	1966.8	1916.6	1864.5	1810.4	1751.3	1692.1	1625.9	1551.7
-17.5°	2055.8	2022.9	1981.3	1937.4	1890.3	1837.3	1783.1	1727.1	1668.4	1600.2	1522.5
-20°	2023.2	1985.1	1946.7	1905.4	1856.1	1805.7	1752.5	1695.4	1635.8	1569.5	1492.6



REPORT NUMBER: P622920 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-35W-7050

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1980.1	1945.9	1907.5	1866.3	1818.8	1769.2	1720.2	1664.2	1603.1	1534.6	1463.1
-25°	1937.0	1900.8	1866.8	1822.5	1778.2	1731.6	1676.8	1625.8	1566.1	1494.8	1426.3
-27.5°	1888.9	1856.8	1816.6	1777.3	1734.4	1683.3	1634.2	1582.2	1520.1	1457.5	1378.0
-30°	1831.1	1798.5	1764.8	1728.0	1679.4	1630.7	1583.5	1531.6	1474.8	1410.0	1330.6
-32.5°	1768.5	1739.8	1708.4	1664.3	1617.3	1575.4	1529.3	1476.9	1424.0	1352.4	1281.7
-35°	1705.8	1677.6	1640.0	1599.0	1556.7	1515.7	1470.0	1422.0	1361.4	1296.8	1229.7
-37.5°	1637.1	1607.9	1573.1	1534.9	1496.2	1452.1	1409.5	1357.6	1301.5	1241.1	1180.7
-40°	1565.3	1535.8	1504.7	1471.1	1429.5	1387.5	1343.0	1295.1	1241.6	1184.9	1122.5
-42.5°	1494.1	1465.7	1433.5	1399.0	1362.0	1321.5	1278.7	1231.6	1179.4	1124.0	1050.0
-45°	1416.9	1388.0	1359.8	1327.1	1293.0	1254.0	1212.1	1162.6	1112.6	1049.2	987.7
-47.5°	1339.4	1312.2	1285.1	1254.3	1220.6	1182.1	1136.3	1091.2	1036.5	982.3	920.1
-50°	1258.9	1233.9	1207.3	1177.1	1139.5	1099.6	1059.3	1015.2	966.2	910.7	846.8
-52.5°	1173.0	1148.2	1117.0	1083.9	1051.6	1015.4	978.0	935.5	888.2	828.3	774.1
-55°	1067.6	1042.4	1019.6	992.6	957.3	911.4	871.8	835.1	796.6	746.6	673.4
-57.5°	931.1	918.3	889.1	847.8	814.9	789.9	766.5	738.7	681.2	621.4	578.2
-60°	786.8	766.5	742.5	723.8	710.3	691.8	652.3	607.8	566.4	536.0	502.3
-62.5°	683.4	667.1	645.8	626.4	605.4	576.0	538.6	510.0	486.2	460.6	423.5
-65°	554.7	548.6	529.5	500.5	477.7	457.7	443.1	424.8	398.0	344.9	312.7
-67.5°	435.1	422.9	409.2	393.9	384.0	369.3	341.3	311.1	286.3	269.2	245.6
-70°	325.2	319.9	311.7	296.7	276.2	261.1	250.4	235.8	215.9	196.6	177.2
-72.5°	229.7	221.1	214.6	207.3	197.5	186.6	174.7	161.4	146.6	130.4	113.2
-75°	148.3	144.2	139.0	132.5	124.5	114.9	104.1	93.8	85.8	78.1	69.8
-77.5°	75.0	72.4	68.9	64.5	61.0	57.9	53.9	50.0	46.7	42.3	37.8
-80°	38.8	37.6	36.2	34.8	33.5	32.1	30.3	28.1	26.2	24.2	22.1
-82.5°	23.4	22.8	22.2	21.5	20.7	19.7	18.7	17.6	16.4	15.3	14.1
-85°	12.3	11.9	11.5	11.0	10.4	9.8	9.1	8.5	8.0	7.4	6.9
-87.5°	4.2	4.1	4.0	3.8	3.7	3.5	3.3	3.1	2.9	2.7	2.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P622920 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-35W-7050

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	1.2	1.2	1.2	1.0	0.6	0.5	0.5	0.5	0.4	0.4	0.4
80°	5.8	5.1	4.5	3.8	3.2	2.7	2.0	1.3	0.8	0.7	0.6
77.5°	12.0	10.2	8.9	7.4	6.3	5.4	4.6	3.7	2.6	1.5	0.9
75°	25.1	21.7	16.9	13.9	11.3	9.2	7.2	6.1	4.9	3.6	2.2
72.5°	51.1	44.6	37.4	29.7	21.7	15.4	11.9	9.1	7.1	5.7	4.1
70°	87.1	75.2	61.9	52.7	43.0	31.7	19.3	14.1	10.4	7.7	5.9
67.5°	151.5	125.3	104.4	85.2	65.0	51.9	38.0	23.5	15.1	10.7	7.7
65°	230.3	197.0	164.3	131.2	106.1	77.8	57.8	40.6	24.0	14.8	10.0
62.5°	323.7	276.9	234.1	194.3	154.7	118.9	85.6	59.4	39.3	20.6	13.1
60°	421.0	378.0	316.2	261.0	212.8	165.9	123.8	85.5	54.9	34.1	17.3
57.5°	522.4	463.1	414.7	343.2	273.9	218.1	166.7	119.6	78.4	47.5	24.9
55°	630.1	557.0	493.2	434.0	346.7	273.4	213.0	157.5	107.2	64.7	36.6
52.5°	726.7	656.2	575.3	503.1	426.1	334.5	260.8	197.9	139.6	87.0	48.0
50°	841.0	742.9	665.6	571.6	487.5	402.4	311.9	237.8	173.9	112.5	61.1
47.5°	931.4	845.1	740.0	646.4	549.0	459.7	364.0	280.9	207.8	140.3	79.7
45°	1000.0	928.1	823.9	710.3	610.9	513.5	421.1	323.1	241.0	168.5	98.8
42.5°	1057.4	989.9	899.4	780.3	671.2	565.9	466.0	363.5	276.2	194.9	118.2
40°	1115.4	1039.7	956.7	855.0	725.9	618.3	511.3	409.6	311.9	220.2	138.8
37.5°	1183.3	1084.6	1005.7	908.0	788.6	665.2	554.8	447.2	339.4	244.5	159.3
35°	1232.6	1138.4	1044.4	956.7	844.9	708.2	596.1	482.5	369.4	269.7	178.8
32.5°	1274.6	1186.1	1084.0	996.5	887.6	762.0	634.9	517.0	402.0	295.2	197.2
30°	1315.4	1222.1	1126.4	1027.9	928.5	805.4	665.9	549.3	429.5	317.0	214.5
27.5°	1350.9	1261.3	1161.2	1059.7	962.9	841.0	698.7	579.5	454.0	335.2	230.9
25°	1380.1	1297.6	1189.2	1090.2	991.1	872.9	736.9	607.3	477.9	352.6	246.0
22.5°	1404.9	1325.9	1216.9	1116.2	1013.8	903.5	768.6	632.7	500.4	372.4	260.6
20°	1430.3	1346.6	1250.5	1138.4	1035.8	930.3	796.4	652.0	520.6	389.8	274.7
17.5°	1456.1	1366.3	1276.2	1158.2	1055.8	950.3	820.4	668.8	538.6	404.7	287.0
15°	1474.3	1382.8	1298.0	1175.3	1072.2	967.6	838.4	684.4	554.2	416.9	297.7
12.5°	1490.0	1395.7	1311.5	1190.1	1085.4	980.1	853.4	699.3	567.3	427.0	306.0
10°	1501.8	1408.8	1323.7	1203.9	1095.8	989.1	865.4	710.2	577.9	435.2	311.9
7.5°	1510.3	1418.7	1333.1	1212.7	1102.8	995.6	874.0	717.5	586.0	441.3	316.4
5°	1515.6	1424.1	1338.6	1217.1	1107.0	999.5	879.5	721.4	591.5	445.3	319.5
2.5°	1517.2	1425.5	1341.1	1217.4	1108.2	1000.9	881.7	722.2	594.4	447.2	321.0
0°	1515.4	1423.3	1340.6	1214.0	1106.5	999.7	881.0	720.2	594.7	447.0	321.2
-2.5°	1515.7	1424.6	1339.4	1214.7	1106.9	999.6	881.3	722.3	595.1	447.5	321.8
-5°	1512.5	1422.3	1335.3	1212.0	1104.4	996.9	878.7	721.6	592.9	445.9	321.0
-7.5°	1505.1	1416.0	1328.4	1205.9	1098.8	991.5	873.4	717.8	588.3	442.3	318.6
-10°	1495.5	1405.3	1316.5	1196.3	1090.1	983.6	865.3	710.7	581.3	436.6	314.6
-12.5°	1483.4	1390.8	1299.3	1183.2	1077.9	973.1	854.0	699.9	571.9	428.9	308.9
-15°	1467.5	1373.7	1278.8	1167.8	1062.3	959.2	839.9	685.3	559.3	419.4	301.2
-17.5°	1447.5	1353.2	1254.6	1150.1	1044.1	941.5	823.3	670.2	544.1	408.0	292.0
-20°	1413.8	1329.7	1228.4	1128.4	1023.8	921.5	799.2	654.3	526.3	395.0	281.4



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1377.1	1294.7	1196.7	1103.0	1001.0	898.7	770.2	636.2	505.5	380.2	269.4
-25°	1340.2	1255.7	1165.0	1068.3	975.9	873.5	738.1	614.1	482.1	363.8	256.4
-27.5°	1301.3	1215.5	1129.2	1032.3	942.9	844.8	700.4	590.4	457.7	345.8	242.2
-30°	1255.0	1175.7	1085.3	995.4	906.7	805.4	669.2	559.7	434.8	325.6	226.6
-32.5°	1208.6	1132.4	1037.7	954.9	867.5	759.3	640.3	526.0	410.3	304.6	210.0
-35°	1163.6	1075.9	993.4	911.1	826.2	707.2	606.3	488.6	384.3	283.7	192.1
-37.5°	1105.4	1019.7	943.1	864.4	775.6	666.8	564.9	454.0	355.2	261.6	175.0
-40°	1037.4	965.6	891.2	817.4	720.2	623.5	520.1	420.4	322.6	238.0	159.7
-42.5°	981.2	906.5	838.1	762.5	670.9	573.3	475.0	383.5	293.7	213.2	143.7
-45°	918.3	848.2	784.3	705.0	613.8	522.3	433.5	341.6	263.3	187.2	127.1
-47.5°	853.5	792.2	727.3	646.1	554.7	472.6	386.7	301.6	231.6	167.2	110.0
-50°	789.0	725.5	662.7	573.6	500.6	420.9	335.0	264.7	199.4	145.4	92.3
-52.5°	708.7	646.7	575.7	515.4	444.1	362.1	288.6	227.8	171.2	122.6	76.9
-55°	616.9	561.0	511.4	454.3	376.8	303.7	246.2	191.3	144.0	100.0	62.0
-57.5°	535.8	494.0	442.5	376.0	308.6	254.7	205.6	159.2	116.4	79.3	48.3
-60°	464.9	413.7	353.0	300.7	253.6	210.3	167.3	126.2	91.0	60.7	36.4
-62.5°	363.9	320.0	280.8	242.0	206.3	167.4	129.2	97.4	68.7	44.4	26.3
-65°	284.2	253.6	220.5	191.3	158.8	123.9	97.1	71.6	49.7	32.1	22.0
-67.5°	216.9	192.6	166.5	138.6	111.4	91.0	68.7	50.2	34.6	23.9	17.7
-70°	156.3	134.1	110.7	95.5	78.9	61.2	46.5	33.8	24.4	18.5	13.4
-72.5°	98.9	87.5	74.6	61.0	50.8	40.4	29.8	23.0	18.1	13.9	9.2
-75°	60.1	52.3	44.4	37.8	30.8	25.1	19.8	16.6	13.1	9.2	6.5
-77.5°	33.8	29.3	26.1	22.2	19.3	16.9	14.2	11.3	8.5	6.3	4.6
-80°	20.4	18.7	16.9	15.1	13.2	11.1	8.9	6.9	5.4	4.2	3.1
-82.5°	12.8	11.4	10.0	8.6	7.1	6.1	5.1	4.2	3.4	2.7	2.1
-85°	6.2	5.6	4.9	4.3	3.8	3.3	2.8	2.3	1.9	1.6	1.3
-87.5°	2.4	2.2	2.0	1.8	1.6	1.3	1.2	1.0	0.9	0.7	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.3	0.3	0.3	0.2	0.1	0.1	0.0
82.5°	0.4	0.4	0.4	0.3	0.2	0.1	0.0
80°	0.5	0.5	0.4	0.4	0.3	0.1	0.0
77.5°	0.7	0.6	0.5	0.4	0.3	0.2	0.0
75°	1.1	0.8	0.6	0.5	0.4	0.2	0.0
72.5°	2.3	1.1	0.8	0.6	0.4	0.2	0.0
70°	4.0	1.9	1.1	0.7	0.5	0.3	0.0
67.5°	5.5	3.3	1.4	0.8	0.5	0.3	0.0
65°	7.1	4.6	2.0	1.0	0.6	0.3	0.0
62.5°	8.6	5.8	3.0	1.2	0.7	0.3	0.0
60°	11.0	7.1	4.0	1.5	0.7	0.4	0.0
57.5°	13.5	8.4	5.0	1.7	0.8	0.4	0.0
55°	17.9	10.0	5.9	2.4	0.9	0.4	0.0
52.5°	23.1	12.0	6.9	3.1	1.0	0.4	0.0
50°	32.4	13.9	7.9	3.8	1.2	0.5	0.0
47.5°	41.5	18.1	8.9	4.4	1.3	0.5	0.0
45°	50.2	22.4	10.0	5.0	1.5	0.5	0.0
42.5°	58.7	27.9	11.4	5.6	1.6	0.5	0.0
40°	72.4	34.5	12.7	6.2	1.7	0.6	0.0
37.5°	85.4	40.8	13.9	6.7	1.9	0.6	0.0
35°	98.8	46.8	16.6	7.3	2.1	0.6	0.0
32.5°	112.1	52.4	19.8	7.9	2.5	0.6	0.0
30°	124.5	57.7	23.0	8.5	2.8	0.7	0.0
27.5°	137.3	63.5	26.0	9.0	3.0	0.7	0.0
25°	149.1	71.1	29.2	9.5	3.3	0.7	0.0
22.5°	159.7	77.9	32.5	10.0	3.5	0.7	0.0
20°	169.4	84.1	35.5	10.5	3.7	0.8	0.0
17.5°	178.3	89.6	38.3	11.0	3.9	0.8	0.0
15°	186.1	94.7	40.7	11.4	4.1	0.8	0.0
12.5°	192.7	99.5	42.8	11.8	4.2	0.8	0.0
10°	198.0	103.5	44.5	12.1	4.4	0.8	0.0
7.5°	202.1	106.6	46.0	12.4	4.5	0.8	0.0
5°	205.0	108.9	47.1	12.6	4.5	0.8	0.0
2.5°	206.6	110.3	47.9	12.7	4.6	0.8	0.0
0°	207.0	110.9	48.4	12.8	4.6	0.8	0.0
-2.5°	207.5	111.5	48.7	13.0	4.6	0.9	0.0
-5°	206.8	111.3	48.7	13.1	4.6	0.9	0.0
-7.5°	204.8	110.3	48.3	13.2	4.6	0.9	0.0
-10°	201.6	108.4	47.6	13.2	4.6	0.9	0.0
-12.5°	197.1	105.7	46.5	13.1	4.5	0.9	0.0
-15°	191.4	102.3	45.0	12.9	4.4	0.9	0.0
-17.5°	184.4	98.4	43.2	12.7	4.3	0.9	0.0
-20°	176.1	94.1	41.1	12.4	4.2	0.8	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	168.0	89.1	38.5	12.1	4.0	0.8	0.0
-25°	159.6	83.4	35.6	11.8	3.8	0.8	0.0
-27.5°	150.4	76.9	32.6	11.3	3.6	0.8	0.0
-30°	140.4	71.6	29.4	10.8	3.4	0.8	0.0
-32.5°	129.9	66.3	25.9	10.3	3.2	0.8	0.0
-35°	118.6	60.4	22.2	9.6	2.9	0.7	0.0
-37.5°	106.8	54.2	19.2	8.9	2.6	0.7	0.0
-40°	94.9	47.9	18.0	8.3	2.5	0.7	0.0
-42.5°	82.2	41.0	16.7	7.6	2.3	0.7	0.0
-45°	72.3	34.5	15.3	6.8	2.2	0.6	0.0
-47.5°	61.7	28.5	14.0	6.0	2.0	0.6	0.0
-50°	51.6	22.2	12.5	5.3	1.8	0.6	0.0
-52.5°	41.2	20.0	11.0	4.7	1.6	0.6	0.0
-55°	32.7	17.8	9.5	4.0	1.5	0.5	0.0
-57.5°	24.5	15.5	7.9	3.3	1.4	0.5	0.0
-60°	21.4	13.1	6.3	2.9	1.3	0.5	0.0
-62.5°	18.2	10.7	5.4	2.6	1.1	0.4	0.0
-65°	14.9	8.2	4.4	2.2	1.0	0.4	0.0
-67.5°	11.5	6.3	3.5	1.8	0.9	0.4	0.0
-70°	8.0	5.0	2.9	1.6	0.8	0.3	0.0
-72.5°	6.1	3.8	2.2	1.3	0.7	0.3	0.0
-75°	4.5	2.9	1.8	1.0	0.6	0.2	0.0
-77.5°	3.3	2.2	1.4	0.9	0.5	0.2	0.0
-80°	2.3	1.6	1.1	0.7	0.4	0.2	0.0
-82.5°	1.5	1.2	0.8	0.5	0.3	0.1	0.0
-85°	1.0	0.8	0.5	0.4	0.2	0.1	0.0
-87.5°	0.5	0.4	0.3	0.2	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)