

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: P622917 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF65-XX-PC-25W-7050**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622917 (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-25W-7050
Description: Flood light with selectable wattage and CCT
Light Source: (1) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

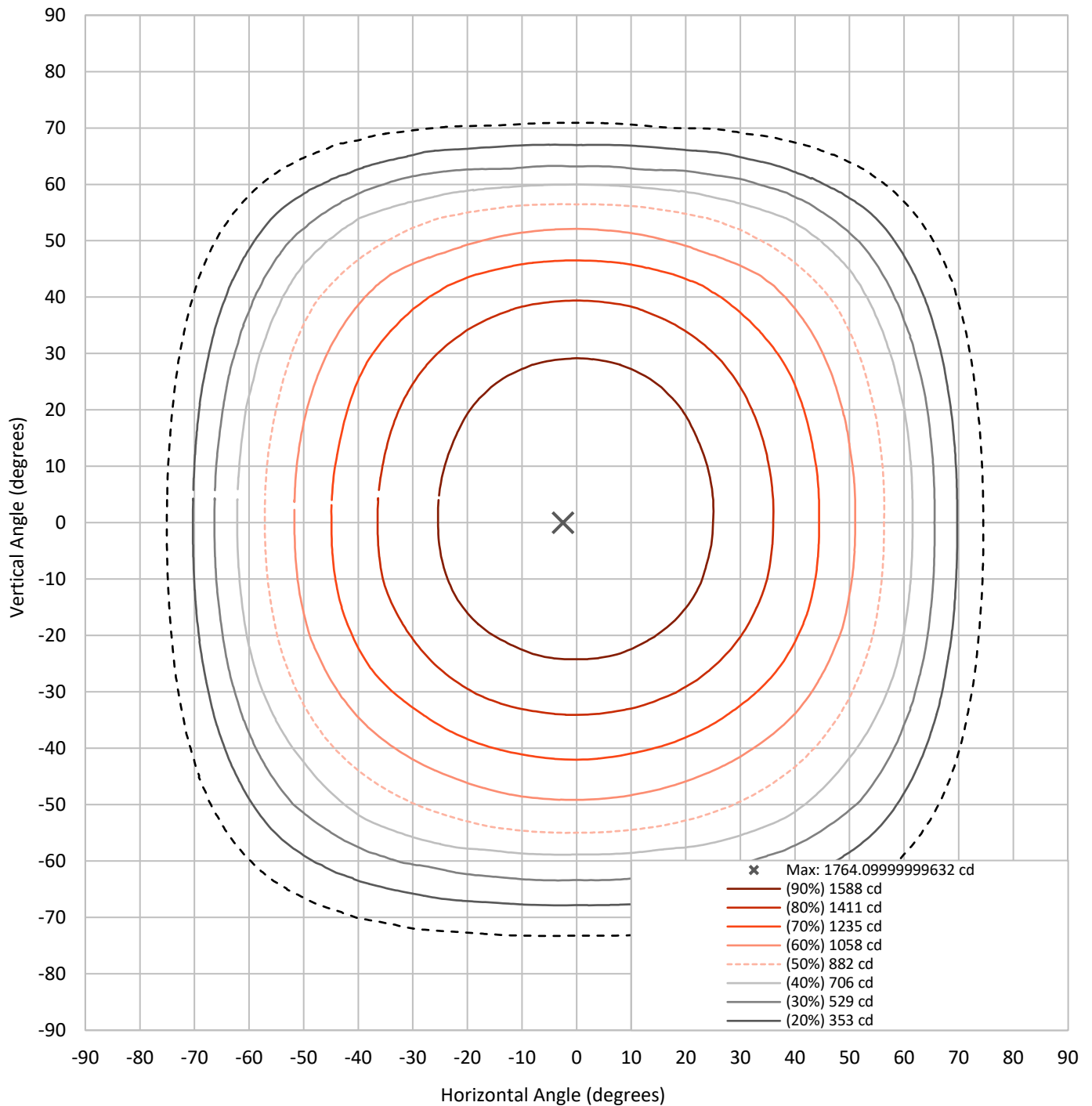
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	4777.2 lumens	Max Intensity:	1764.1 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	175.6 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:	3832.6 lumens	Field Lumens:	4706.5 lumens
Beam Efficiency:	80.2%	Field Efficiency:	98.5%
Input Watts (W):	27.2		
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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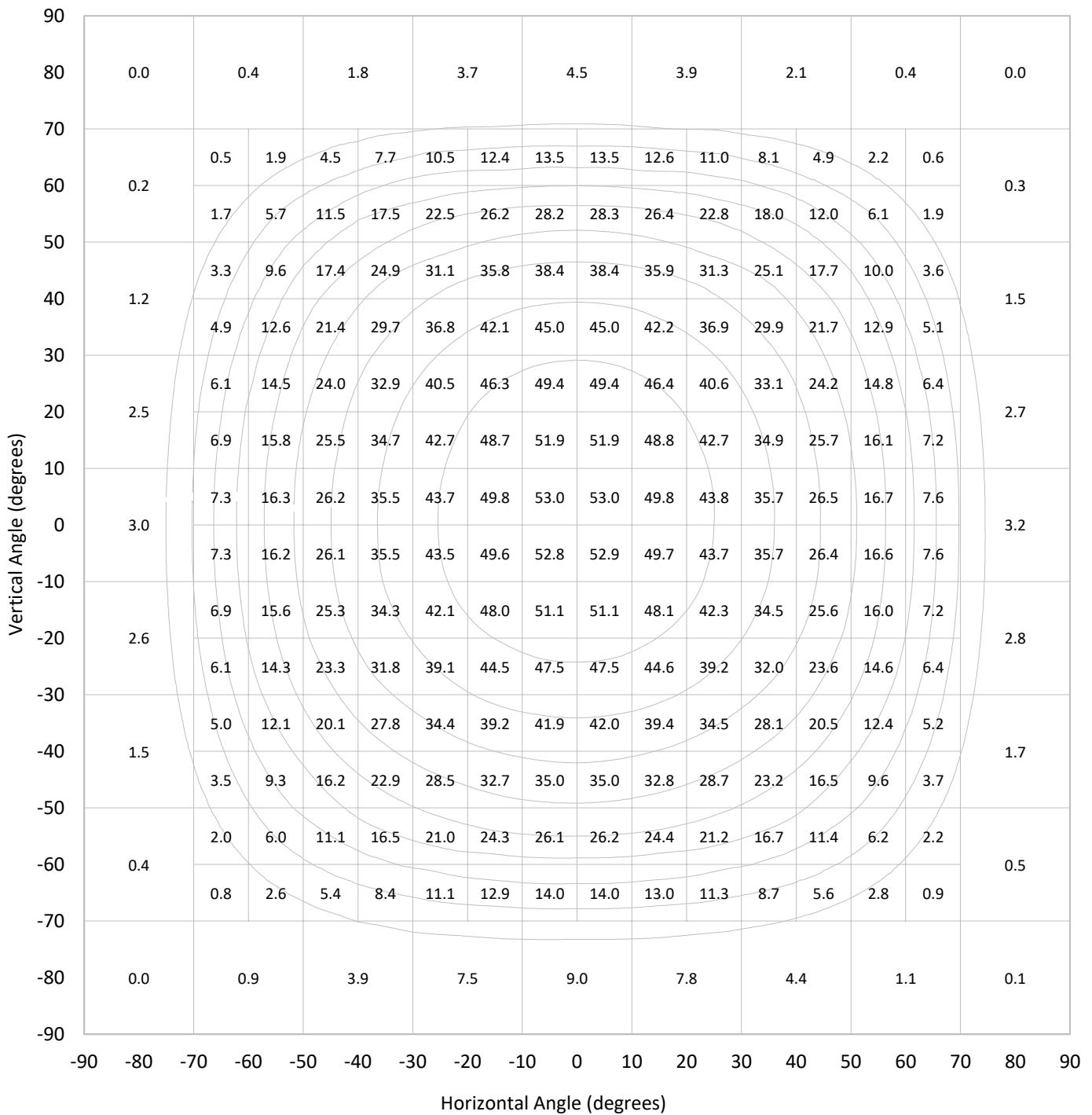
Iso-Candela Plot





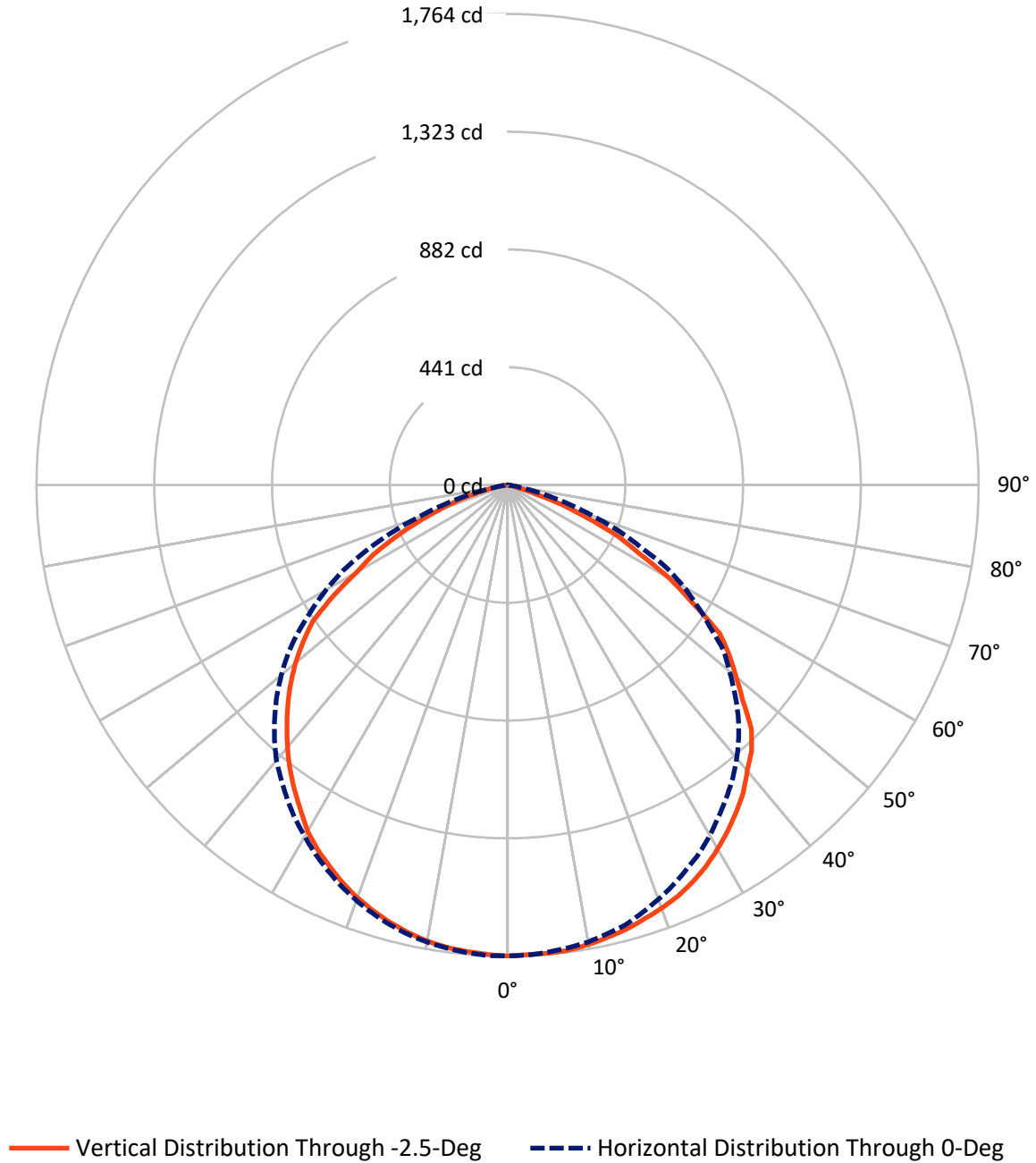
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Lumen Table



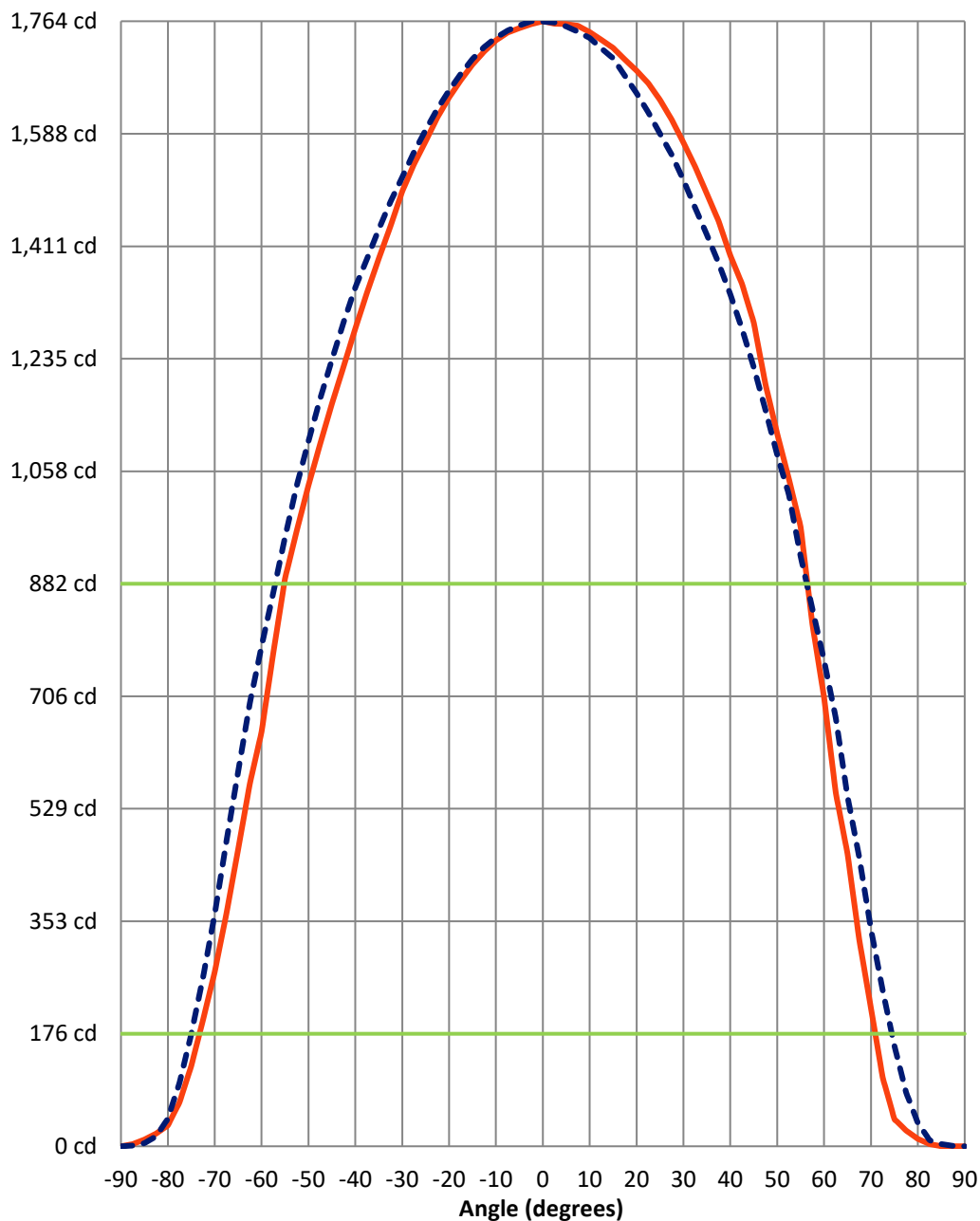
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 113.4°
 V Angle: 111.6°
 Lumens: 3832.6
 Efficiency: 80.2%

Field:
 H Angle: 149.5°
 V Angle: 144.2°
 Lumens: 4706.5
 Efficiency: 98.5%

Spill:
 Lumens: 70.7
 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	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5
80°	0.0	0.2	0.4	0.5	0.5	0.5	0.5	0.6	1.0	1.2	1.6
77.5°	0.0	0.3	0.5	0.5	0.6	0.7	1.0	1.6	2.2	2.9	3.6
75°	0.0	0.3	0.5	0.6	0.7	1.1	2.0	2.8	3.7	4.6	5.9
72.5°	0.0	0.4	0.6	0.7	0.9	1.9	3.0	4.1	5.2	7.0	9.0
70°	0.0	0.4	0.6	0.8	1.5	2.8	4.1	5.4	7.7	10.4	14.8
67.5°	0.0	0.4	0.7	1.0	2.1	3.7	5.3	7.6	10.8	16.9	25.6
65°	0.0	0.5	0.7	1.3	2.8	4.7	6.9	10.3	16.7	27.7	39.4
62.5°	0.0	0.5	0.8	1.7	3.5	5.9	9.2	13.3	26.6	40.1	55.2
60°	0.0	0.5	0.9	2.1	4.3	7.4	11.6	22.5	37.6	52.7	78.1
57.5°	0.0	0.6	1.0	2.5	5.3	9.2	14.1	31.8	48.5	72.3	106.2
55°	0.0	0.6	1.1	3.1	6.4	11.1	21.5	40.8	62.2	96.8	133.8
52.5°	0.0	0.6	1.2	3.6	7.5	13.0	28.8	49.9	79.6	121.7	167.7
50°	0.0	0.6	1.5	4.1	8.9	15.0	36.1	60.2	101.7	147.3	198.5
47.5°	0.0	0.7	1.7	4.7	10.3	20.4	43.2	74.4	123.3	174.3	230.5
45°	0.0	0.7	1.9	5.5	11.6	25.5	50.8	89.9	143.4	200.1	266.5
42.5°	0.0	0.7	2.2	6.3	13.0	30.7	58.2	106.5	163.8	226.4	302.4
40°	0.0	0.7	2.4	7.1	14.3	35.9	68.8	122.2	183.7	253.1	327.1
37.5°	0.0	0.8	2.6	7.8	15.6	40.9	78.9	137.1	203.1	282.1	357.7
35°	0.0	0.8	2.8	8.7	18.2	46.2	89.9	151.8	222.1	305.5	387.9
32.5°	0.0	0.8	3.1	9.5	21.3	51.4	101.1	166.3	240.1	323.3	416.3
30°	0.0	0.9	3.3	10.2	24.1	56.5	111.5	180.1	258.8	344.5	442.9
27.5°	0.0	0.9	3.5	11.0	26.7	61.7	121.0	193.3	278.2	365.8	467.4
25°	0.0	0.9	3.8	11.7	29.3	67.7	129.8	205.5	295.3	385.6	484.9
22.5°	0.0	1.0	4.0	12.3	31.8	73.1	137.7	216.5	307.3	404.0	501.1
20°	0.0	1.0	4.1	12.9	34.2	78.1	145.1	226.1	318.3	420.4	519.2
17.5°	0.0	1.0	4.3	13.4	36.3	82.4	152.3	234.3	328.5	435.2	534.6
15°	0.0	1.0	4.4	13.9	38.1	86.6	158.6	241.2	338.8	448.0	548.3
12.5°	0.0	1.0	4.6	14.3	39.7	90.6	163.9	247.8	347.3	458.9	561.6
10°	0.0	1.1	4.7	14.7	41.0	93.8	168.3	254.2	354.0	466.5	572.2
7.5°	0.0	1.1	4.8	15.0	42.0	96.4	171.7	259.1	359.0	471.9	580.0
5°	0.0	1.1	4.8	15.2	42.7	98.2	174.1	262.5	362.3	475.7	585.2
2.5°	0.0	1.1	4.9	15.4	43.2	99.4	175.6	264.3	363.9	477.8	587.7
0°	0.0	1.1	4.9	15.5	43.4	99.8	176.0	264.5	364.0	478.2	587.5
-2.5°	0.0	1.1	5.0	15.6	43.7	100.2	176.0	264.7	364.3	477.9	587.6
-5°	0.0	1.1	5.0	15.7	43.8	99.9	175.0	263.3	362.9	475.7	585.1
-7.5°	0.0	1.1	5.0	15.7	43.5	98.9	173.1	260.5	360.0	471.8	580.0
-10°	0.0	1.1	5.0	15.7	43.0	97.3	170.3	256.3	355.4	466.0	572.2
-12.5°	0.0	1.1	5.0	15.5	42.2	95.0	166.6	250.6	349.1	458.2	561.8
-15°	0.0	1.1	4.9	15.3	41.0	92.1	162.0	244.8	341.1	447.5	548.8
-17.5°	0.0	1.1	4.8	15.0	39.6	88.8	156.6	238.5	331.4	435.0	535.4
-20°	0.0	1.1	4.7	14.6	37.9	85.2	150.4	231.0	321.2	420.7	520.4

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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	1.1	4.6	14.2	35.9	80.9	144.1	222.2	310.0	405.2	502.7
-25°	0.0	1.1	4.4	13.7	33.6	76.1	137.4	211.6	297.5	388.2	485.0
-27.5°	0.0	1.0	4.2	13.2	31.4	70.6	130.0	199.4	282.2	369.7	465.7
-30°	0.0	1.0	4.0	12.6	29.1	65.6	122.0	186.1	265.4	349.5	442.3
-32.5°	0.0	1.0	3.8	12.0	26.6	60.6	113.3	173.8	248.7	328.8	417.5
-35°	0.0	0.9	3.5	11.3	23.8	55.2	103.9	161.5	231.7	309.6	392.0
-37.5°	0.0	0.9	3.2	10.5	21.3	49.8	94.2	149.1	213.0	287.9	363.7
-40°	0.0	0.9	3.0	9.7	19.8	44.9	84.3	136.6	192.7	264.0	334.7
-42.5°	0.0	0.9	2.8	8.9	18.2	39.6	73.7	123.6	175.0	238.9	309.0
-45°	0.0	0.8	2.6	8.0	16.4	34.5	65.4	109.9	158.5	212.8	277.6
-47.5°	0.0	0.8	2.4	7.0	15.0	29.4	56.6	95.7	142.1	186.3	245.0
-50°	0.0	0.8	2.2	6.3	13.7	24.1	48.9	81.1	124.4	165.9	213.8
-52.5°	0.0	0.8	2.0	5.5	12.3	21.3	41.1	69.0	106.1	145.2	183.9
-55°	0.0	0.7	1.8	4.7	10.8	18.2	33.7	57.6	87.2	123.9	160.2
-57.5°	0.0	0.7	1.7	3.9	9.3	15.9	26.2	47.6	70.8	102.1	135.9
-60°	0.0	0.7	1.5	3.4	7.8	14.0	21.9	37.6	56.7	79.7	111.1
-62.5°	0.0	0.6	1.4	3.0	6.5	11.9	17.8	27.8	44.5	62.6	85.7
-65°	0.0	0.6	1.2	2.5	5.1	9.9	15.3	21.9	33.2	48.3	64.7
-67.5°	0.0	0.5	1.1	2.1	4.0	7.8	12.7	17.4	24.5	35.4	48.4
-70°	0.0	0.5	1.0	1.9	3.3	5.8	10.1	14.2	18.4	25.1	34.5
-72.5°	0.0	0.4	0.9	1.6	2.6	4.3	7.4	11.0	14.3	18.2	23.7
-75°	0.0	0.4	0.8	1.3	2.2	3.3	5.0	7.8	10.9	13.6	16.7
-77.5°	0.0	0.3	0.7	1.1	1.7	2.6	3.7	5.2	7.3	9.8	12.1
-80°	0.0	0.2	0.5	0.9	1.3	1.9	2.7	3.5	4.8	6.3	8.1
-82.5°	0.0	0.2	0.4	0.7	1.0	1.4	1.8	2.4	3.1	3.8	4.8
-85°	0.0	0.1	0.3	0.5	0.7	0.9	1.2	1.5	1.9	2.2	2.7
-87.5°	0.0	0.1	0.1	0.2	0.3	0.5	0.6	0.7	0.9	1.1	1.2
-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-25W-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
82.5°	0.6	0.5	0.6	1.0	1.2	1.3	1.3	1.5	1.9	2.2	2.5
80°	2.1	2.7	3.2	3.6	4.0	4.4	4.8	5.2	6.1	6.8	7.3
77.5°	4.4	5.3	6.0	6.8	8.2	9.4	10.9	12.3	13.7	15.1	16.3
75°	7.1	8.7	10.5	13.0	15.5	19.3	21.9	26.8	31.4	34.6	36.3
72.5°	11.4	15.0	19.8	26.1	32.6	39.5	46.7	52.8	56.7	61.6	65.0
70°	20.4	28.8	37.0	46.6	57.1	68.3	79.2	91.6	102.8	114.6	131.6
67.5°	35.6	45.5	59.7	76.7	92.3	110.2	129.3	152.9	170.8	183.1	210.2
65°	52.6	71.2	93.4	112.8	142.3	169.0	191.6	220.4	256.3	275.7	293.4
62.5°	77.9	103.8	132.9	167.5	197.0	229.8	273.9	302.8	323.0	355.1	388.9
60°	108.3	142.2	181.7	217.7	265.9	308.3	340.5	377.4	417.7	458.3	497.5
57.5°	142.1	185.1	227.6	288.3	334.0	374.6	419.9	465.4	511.9	565.5	615.3
55°	180.4	226.4	290.9	349.4	399.2	449.2	498.5	550.1	620.2	676.3	704.3
52.5°	216.3	279.5	341.9	407.3	466.1	518.4	578.4	650.7	703.0	742.9	776.6
50°	257.3	325.3	394.0	463.6	526.6	591.2	667.2	719.8	762.5	802.5	839.7
47.5°	302.6	370.0	444.4	513.7	587.0	670.3	726.7	773.0	815.8	860.2	902.0
45°	335.8	414.6	490.6	562.2	655.8	724.7	774.9	820.6	874.1	921.6	972.9
42.5°	374.9	457.4	531.5	625.9	704.2	767.8	817.5	878.7	930.9	983.3	1035.9
40°	412.1	493.5	578.9	672.5	744.8	803.9	872.4	930.9	982.2	1035.8	1082.4
37.5°	447.5	527.7	628.1	708.1	778.8	845.3	919.2	973.6	1026.9	1077.5	1122.1
35°	478.4	566.7	663.0	745.4	810.4	886.5	952.8	1009.6	1065.4	1114.6	1163.7
32.5°	501.5	607.9	691.9	772.8	845.2	917.3	984.2	1044.8	1098.9	1154.1	1198.7
30°	531.4	634.8	724.4	799.8	874.5	948.1	1015.6	1074.6	1133.7	1186.1	1232.6
27.5°	560.9	657.5	750.0	825.2	897.8	977.2	1043.5	1103.1	1162.7	1213.4	1262.9
25°	589.8	680.5	770.7	846.2	922.8	1003.0	1067.4	1128.5	1184.2	1238.5	1288.6
22.5°	612.6	706.2	791.5	862.3	949.1	1024.9	1089.5	1149.0	1205.4	1260.3	1308.1
20°	630.4	728.9	808.7	880.5	972.6	1043.7	1107.6	1166.6	1223.3	1277.9	1327.5
17.5°	646.3	743.2	823.2	898.3	990.1	1060.0	1120.7	1181.9	1239.6	1293.9	1344.8
15°	659.2	755.8	835.6	916.3	1005.2	1073.7	1133.9	1194.5	1252.4	1308.3	1359.2
12.5°	670.1	766.1	846.2	930.4	1016.5	1084.4	1146.3	1207.0	1264.2	1320.6	1369.1
10°	679.1	774.1	855.1	941.3	1025.5	1092.4	1156.9	1217.6	1275.7	1331.7	1378.3
7.5°	687.0	779.8	861.7	949.3	1031.8	1098.8	1164.8	1225.8	1284.2	1339.4	1385.6
5°	692.3	783.4	866.0	954.2	1035.4	1103.4	1169.7	1231.0	1289.6	1344.4	1390.2
2.5°	695.0	784.8	868.2	956.1	1036.8	1105.7	1172.3	1233.4	1292.2	1346.9	1392.2
0°	695.1	784.1	868.3	955.0	1035.8	1105.5	1172.3	1233.2	1292.1	1346.7	1391.8
-2.5°	694.4	783.6	867.7	954.3	1035.3	1105.1	1171.8	1232.9	1291.9	1346.5	1392.1
-5°	691.4	781.1	864.9	950.6	1032.6	1102.1	1168.6	1230.0	1289.0	1343.6	1389.9
-7.5°	686.0	776.5	860.0	944.1	1027.7	1096.8	1163.0	1224.4	1283.4	1338.1	1385.5
-10°	678.3	769.9	852.7	935.0	1020.3	1089.4	1154.6	1215.9	1275.0	1329.9	1378.9
-12.5°	669.3	761.1	842.6	923.2	1010.0	1079.7	1143.5	1204.8	1263.7	1318.7	1367.8
-15°	658.4	750.0	830.4	909.7	997.3	1065.2	1130.5	1191.6	1248.3	1301.3	1349.0
-17.5°	645.6	736.6	816.1	893.5	978.6	1048.1	1115.4	1173.9	1228.4	1280.0	1327.7
-20°	629.7	721.4	799.5	876.0	957.4	1029.7	1094.8	1152.0	1206.1	1257.4	1304.1

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	611.9	701.0	780.9	856.8	932.2	1005.5	1067.6	1126.5	1182.6	1232.8	1276.5
-25°	589.6	678.6	760.0	832.9	904.9	977.3	1036.3	1099.4	1154.9	1204.5	1249.5
-27.5°	561.7	656.2	734.8	805.2	876.5	946.3	1007.3	1065.6	1121.8	1174.7	1218.0
-30°	533.2	630.1	706.4	774.2	846.2	914.3	975.0	1027.1	1086.3	1137.5	1180.5
-32.5°	503.2	601.5	674.0	742.4	810.6	879.2	940.2	991.7	1042.4	1096.4	1139.6
-35°	476.3	562.8	642.6	710.0	770.5	840.9	903.9	954.9	1000.8	1049.4	1095.0
-37.5°	445.4	525.9	609.1	672.7	732.4	795.1	862.2	917.1	960.8	1003.2	1046.7
-40°	412.6	490.5	567.6	636.3	693.9	747.7	812.2	871.3	918.8	959.1	997.6
-42.5°	380.0	453.0	526.3	597.3	653.1	704.4	758.3	820.0	870.0	912.9	949.7
-45°	344.8	413.6	484.7	550.4	611.5	661.8	712.6	763.6	817.2	859.9	899.0
-47.5°	312.4	375.9	438.8	506.9	564.2	617.1	665.9	713.5	760.1	806.2	842.5
-50°	271.9	336.6	396.1	455.7	517.4	563.2	614.2	661.6	705.9	748.3	788.0
-52.5°	233.4	294.2	353.2	406.3	457.9	504.7	550.5	602.4	646.6	689.3	724.7
-55°	198.5	245.1	307.5	360.7	402.0	443.7	482.6	523.6	581.4	619.1	651.9
-57.5°	169.2	205.3	248.2	307.5	351.1	386.8	420.6	453.4	484.4	531.1	573.9
-60°	142.0	172.1	204.4	241.3	287.5	330.3	363.7	391.7	418.5	441.7	473.1
-62.5°	114.1	142.1	169.1	195.7	225.0	257.9	295.8	333.8	357.5	377.8	398.3
-65°	85.7	111.2	136.2	157.1	180.5	204.0	227.0	252.4	280.4	313.8	331.3
-67.5°	62.4	79.8	101.9	121.2	138.7	156.6	180.5	198.0	213.9	228.0	251.3
-70°	45.4	56.5	70.1	85.3	101.5	116.1	129.2	140.6	162.4	179.8	189.1
-72.5°	30.8	40.0	48.2	55.8	66.6	77.9	90.0	100.8	110.5	120.4	130.8
-75°	20.6	26.3	31.5	37.4	43.0	48.6	54.3	62.5	69.5	76.3	82.0
-77.5°	14.2	16.7	19.8	22.7	26.2	29.2	33.3	36.9	40.1	43.1	46.0
-80°	10.0	11.7	13.1	14.3	15.7	17.6	19.0	20.4	22.4	24.1	25.5
-82.5°	6.0	7.4	8.4	9.4	10.4	11.3	12.2	13.0	13.7	14.4	15.0
-85°	3.2	3.8	4.2	4.6	5.1	5.7	6.4	7.0	7.5	7.9	8.3
-87.5°	1.5	1.7	1.8	2.0	2.2	2.3	2.5	2.7	2.7	2.8	2.9
-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: P622917 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-25W-7050

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	0.1	0.1	0.1	0.1	0.1
85°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
82.5°	2.9	3.1	3.4	3.4	3.5	3.5	3.5	3.4	3.4	3.4	3.5
80°	8.0	8.6	9.1	9.6	10.1	10.5	10.9	11.1	11.3	11.5	11.7
77.5°	18.2	19.6	19.9	20.6	21.5	22.2	22.8	23.3	23.7	24.2	24.5
75°	36.8	36.1	34.4	35.0	37.7	40.9	45.3	50.1	53.4	53.3	51.7
72.5°	68.2	73.0	78.7	89.4	98.2	101.6	100.6	97.3	92.1	94.3	100.9
70°	142.9	149.8	159.9	171.1	180.7	185.7	189.1	191.4	194.4	199.5	205.8
67.5°	228.5	239.8	254.5	272.4	278.0	278.5	282.4	297.4	307.7	317.2	322.9
65°	313.5	327.0	356.5	392.7	406.1	417.0	425.6	431.7	435.3	440.5	448.4
62.5°	426.3	455.4	481.3	503.4	519.5	530.5	534.7	534.0	530.9	531.0	540.0
60°	534.8	570.3	593.9	606.9	611.5	624.6	649.3	668.8	679.0	682.9	690.7
57.5°	648.1	663.4	672.6	696.5	734.4	763.6	774.0	774.4	780.9	795.8	810.9
55°	721.6	754.0	795.5	830.8	856.9	869.8	888.2	909.9	927.6	944.0	952.8
52.5°	811.2	845.6	876.4	904.1	927.3	949.0	968.8	987.4	1004.6	1018.9	1029.6
50°	876.1	913.2	947.6	975.2	993.7	1014.0	1037.0	1057.4	1074.6	1087.4	1097.9
47.5°	947.7	990.8	1019.4	1041.5	1061.5	1085.8	1114.5	1137.2	1151.4	1161.1	1171.8
45°	1025.9	1056.3	1081.1	1107.0	1141.2	1176.9	1198.6	1215.2	1232.7	1251.4	1268.2
42.5°	1080.1	1110.5	1140.2	1177.3	1211.3	1237.5	1259.3	1280.6	1299.8	1316.5	1331.2
40°	1122.3	1158.7	1196.6	1230.5	1258.1	1283.6	1304.5	1329.5	1350.3	1365.1	1376.8
37.5°	1165.3	1205.8	1241.4	1270.7	1298.2	1328.1	1357.1	1377.4	1396.6	1413.5	1428.2
35°	1206.0	1244.9	1276.8	1309.8	1343.6	1371.3	1399.3	1420.7	1440.4	1457.7	1469.9
32.5°	1242.4	1279.0	1314.3	1348.1	1382.1	1411.0	1437.5	1460.1	1479.6	1496.4	1511.0
30°	1274.5	1312.2	1348.3	1384.9	1417.5	1449.5	1473.6	1498.6	1520.2	1536.3	1549.9
27.5°	1303.9	1342.5	1381.5	1416.6	1452.8	1479.6	1509.2	1532.9	1554.5	1569.8	1585.7
25°	1330.2	1371.3	1408.3	1444.4	1477.6	1511.5	1537.4	1561.6	1584.4	1602.3	1615.9
22.5°	1353.3	1394.7	1429.7	1466.0	1502.1	1534.4	1563.0	1586.8	1608.5	1627.4	1641.7
20°	1373.7	1411.8	1448.8	1486.0	1521.6	1553.5	1582.6	1608.1	1630.7	1647.9	1663.0
17.5°	1389.1	1427.4	1465.3	1503.1	1537.0	1570.2	1600.5	1627.1	1650.0	1666.6	1680.1
15°	1401.8	1441.4	1479.2	1517.8	1550.9	1586.2	1616.6	1643.3	1665.0	1682.8	1695.2
12.5°	1412.6	1452.0	1492.5	1529.0	1566.6	1599.3	1628.9	1656.5	1678.5	1695.0	1711.2
10°	1421.5	1460.1	1502.1	1541.7	1576.8	1609.7	1640.0	1665.9	1685.9	1707.4	1720.4
7.5°	1429.0	1468.4	1509.6	1550.5	1586.5	1616.9	1647.3	1674.5	1695.9	1714.9	1729.3
5°	1434.3	1475.4	1515.7	1556.0	1591.0	1623.3	1651.5	1679.5	1699.4	1717.5	1732.1
2.5°	1437.3	1479.8	1519.0	1558.6	1593.4	1626.9	1655.9	1681.5	1702.9	1720.1	1735.8
0°	1437.9	1481.0	1519.5	1558.6	1593.4	1626.7	1655.5	1681.6	1704.9	1723.7	1738.4
-2.5°	1437.0	1479.7	1519.1	1557.0	1592.7	1625.6	1654.1	1680.1	1702.1	1719.8	1736.3
-5°	1433.5	1475.6	1515.4	1552.2	1589.0	1620.8	1649.1	1675.2	1696.1	1713.9	1729.9
-7.5°	1427.6	1468.6	1508.5	1545.3	1582.3	1612.5	1642.7	1668.8	1689.4	1706.1	1721.2
-10°	1419.5	1458.2	1497.9	1535.9	1570.5	1601.7	1633.3	1658.9	1678.2	1694.3	1709.4
-12.5°	1406.8	1443.6	1483.1	1521.4	1555.2	1588.7	1618.2	1642.7	1662.9	1677.5	1691.7
-15°	1390.3	1426.2	1464.3	1503.3	1538.6	1569.9	1596.9	1622.8	1643.9	1658.8	1671.5
-17.5°	1371.0	1406.4	1441.9	1480.7	1515.2	1545.9	1574.2	1598.6	1618.4	1634.1	1645.7
-20°	1347.2	1384.3	1417.5	1453.1	1488.1	1519.3	1546.2	1570.1	1590.5	1605.2	1618.9



REPORT NUMBER: P622917 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-25W-7050

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1319.5	1359.1	1392.1	1424.2	1456.5	1488.0	1515.5	1538.0	1557.0	1574.4	1588.8
-25°	1289.1	1327.4	1363.5	1394.8	1424.6	1452.7	1479.9	1502.8	1520.5	1539.1	1554.6
-27.5°	1253.5	1290.7	1327.9	1361.5	1390.9	1417.8	1443.7	1465.8	1482.6	1501.4	1515.6
-30°	1217.2	1250.4	1285.7	1320.7	1351.7	1377.7	1402.2	1426.3	1445.3	1459.7	1473.4
-32.5°	1176.2	1208.8	1240.2	1272.9	1305.7	1333.0	1355.8	1376.6	1396.3	1412.0	1422.9
-35°	1132.5	1164.5	1193.1	1225.2	1254.9	1283.6	1306.0	1325.8	1344.0	1358.7	1369.9
-37.5°	1085.8	1117.5	1147.9	1176.7	1204.5	1231.6	1253.8	1274.3	1291.0	1307.0	1318.5
-40°	1035.3	1069.5	1099.4	1128.2	1154.1	1176.0	1199.3	1219.9	1235.8	1249.3	1260.0
-42.5°	984.2	1017.2	1048.0	1075.3	1100.4	1123.2	1144.1	1161.6	1178.0	1191.9	1202.2
-45°	932.9	963.9	993.0	1019.4	1042.3	1064.6	1086.6	1105.1	1120.6	1132.6	1142.6
-47.5°	876.4	909.0	936.6	961.6	984.5	1005.1	1025.9	1044.6	1061.7	1074.8	1084.4
-50°	818.4	846.5	875.7	901.8	923.5	943.9	963.7	981.7	997.7	1011.8	1022.1
-52.5°	758.0	787.6	810.8	833.5	856.1	878.3	897.4	913.6	928.3	940.4	950.3
-55°	674.1	706.4	742.6	769.4	787.2	800.9	820.6	840.6	854.4	865.5	874.8
-57.5°	593.7	612.2	629.1	655.7	689.4	711.3	719.8	723.9	733.6	749.2	763.2
-60°	506.8	535.9	548.0	556.6	569.9	589.4	605.1	620.7	627.9	630.6	638.6
-62.5°	421.7	447.4	468.9	483.8	498.0	513.6	525.4	535.6	544.4	551.9	558.8
-65°	345.1	357.7	375.6	396.0	412.3	422.8	427.0	431.0	437.2	450.3	460.9
-67.5°	274.1	290.2	299.9	308.3	319.9	329.7	338.2	345.2	348.2	351.6	356.8
-70°	197.6	205.3	218.0	236.3	248.2	250.9	252.5	253.9	261.0	269.3	274.9
-72.5°	143.7	156.0	164.8	168.0	170.2	173.4	179.1	185.5	192.3	196.0	196.9
-75°	88.2	95.4	102.6	109.0	113.8	117.3	119.5	120.5	120.5	122.4	124.3
-77.5°	49.4	52.2	54.1	55.7	57.8	59.3	60.4	61.0	61.7	64.3	66.5
-80°	26.8	27.8	28.3	29.1	30.1	31.4	32.1	32.3	32.1	32.4	32.6
-82.5°	15.7	16.4	17.1	17.7	18.1	18.5	18.8	19.1	19.4	19.6	19.8
-85°	8.7	9.1	9.4	9.6	9.8	9.9	10.1	10.2	10.3	10.4	10.5
-87.5°	3.0	3.1	3.1	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.4
-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: P622917 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-25W-7050

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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
85°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
82.5°	3.5	3.5	3.4	3.4	3.4	3.4	3.3	3.2	3.1	3.0	3.0
80°	11.8	11.8	11.7	11.5	11.5	11.5	11.4	11.2	10.9	10.6	10.4
77.5°	24.7	24.8	24.7	24.5	24.5	24.5	24.3	23.9	23.4	22.9	22.3
75°	49.3	46.3	42.8	38.9	41.5	43.8	45.8	47.2	48.0	48.1	47.5
72.5°	105.2	107.5	108.0	107.0	107.6	106.7	104.1	99.5	92.7	88.7	90.6
70°	211.0	214.7	216.6	216.4	216.0	213.2	208.2	201.1	191.7	182.8	175.4
67.5°	325.4	325.9	324.2	320.1	323.7	325.0	324.1	321.2	314.8	302.6	289.9
65°	454.2	457.6	458.6	456.9	457.7	455.9	451.6	445.2	436.7	429.0	421.4
62.5°	552.2	556.3	554.2	547.7	552.4	552.6	546.4	531.8	521.6	522.0	525.7
60°	696.8	701.1	703.4	703.7	702.6	699.5	694.4	687.4	678.7	671.7	659.9
57.5°	817.9	820.9	819.3	812.2	817.1	816.4	810.4	800.3	785.3	772.8	766.5
55°	960.5	966.7	970.8	972.2	970.6	966.2	959.5	950.8	940.5	921.7	902.2
52.5°	1037.6	1043.0	1046.1	1046.9	1045.2	1041.2	1034.9	1026.0	1014.2	999.7	983.0
50°	1106.8	1113.3	1117.3	1118.7	1117.1	1112.9	1106.2	1096.9	1085.1	1070.0	1051.8
47.5°	1183.1	1191.2	1194.9	1194.7	1194.2	1189.9	1181.0	1168.8	1157.1	1146.8	1130.9
45°	1278.4	1286.4	1291.4	1292.7	1290.9	1285.4	1277.2	1267.0	1249.1	1230.1	1211.6
42.5°	1340.9	1347.5	1352.0	1354.3	1351.5	1346.4	1339.2	1329.4	1314.8	1296.2	1275.3
40°	1386.2	1392.8	1396.7	1398.2	1396.5	1392.3	1385.1	1374.9	1362.6	1346.0	1324.9
37.5°	1438.7	1446.1	1450.6	1452.6	1450.9	1446.9	1440.3	1429.2	1412.6	1392.5	1375.9
35°	1479.7	1487.6	1493.5	1497.0	1494.0	1488.7	1481.2	1471.0	1456.8	1439.2	1418.4
32.5°	1522.2	1530.5	1535.9	1538.8	1535.8	1530.1	1522.0	1510.9	1495.4	1478.9	1459.7
30°	1561.6	1568.9	1573.8	1575.9	1574.5	1569.8	1561.3	1548.9	1534.3	1518.2	1494.9
27.5°	1597.8	1605.8	1609.7	1611.2	1609.6	1605.6	1597.3	1585.4	1571.4	1553.9	1529.5
25°	1626.4	1635.4	1640.7	1642.9	1640.9	1636.5	1628.8	1615.7	1599.8	1583.3	1560.8
22.5°	1653.3	1661.8	1666.8	1669.4	1667.6	1663.5	1653.5	1641.9	1627.1	1607.7	1584.5
20°	1675.1	1684.2	1686.6	1687.2	1686.2	1683.9	1675.8	1662.9	1646.7	1627.3	1605.9
17.5°	1690.1	1699.9	1704.0	1705.7	1704.4	1700.8	1693.4	1681.0	1665.7	1644.5	1621.5
15°	1706.4	1715.8	1722.2	1723.2	1721.4	1717.0	1709.9	1696.2	1681.1	1663.0	1638.0
12.5°	1721.8	1729.7	1734.9	1736.4	1735.0	1730.3	1724.0	1711.8	1692.3	1675.0	1652.4
10°	1732.8	1741.7	1747.0	1747.1	1745.0	1742.1	1734.6	1722.7	1706.6	1684.3	1663.6
7.5°	1742.4	1751.8	1756.9	1757.0	1753.5	1750.3	1741.9	1730.9	1714.9	1694.9	1670.6
5°	1744.5	1754.3	1759.7	1759.4	1759.1	1756.3	1745.6	1735.3	1719.8	1699.4	1675.8
2.5°	1746.6	1754.1	1760.2	1763.9	1762.7	1756.5	1748.1	1736.7	1721.8	1703.9	1678.7
0°	1749.5	1757.5	1764.1	1763.6	1762.0	1755.9	1747.6	1737.8	1721.5	1705.9	1678.6
-2.5°	1746.5	1754.2	1759.5	1757.7	1754.7	1752.1	1745.0	1732.0	1716.1	1699.2	1674.6
-5°	1742.4	1751.3	1753.3	1751.8	1751.3	1746.6	1740.4	1727.0	1711.2	1691.1	1668.7
-7.5°	1733.5	1741.6	1746.3	1743.8	1744.9	1740.5	1733.5	1719.4	1703.6	1683.6	1663.6
-10°	1721.0	1730.0	1734.1	1733.4	1733.6	1729.6	1720.2	1707.6	1692.2	1673.7	1652.9
-12.5°	1703.5	1711.7	1716.8	1718.4	1716.1	1712.4	1706.6	1691.8	1678.3	1659.0	1634.4
-15°	1682.0	1691.3	1696.3	1697.3	1695.4	1691.0	1683.0	1672.4	1657.6	1636.9	1614.3
-17.5°	1659.0	1669.0	1671.7	1671.3	1669.7	1666.2	1659.6	1649.1	1630.9	1613.3	1591.6
-20°	1631.5	1640.7	1644.6	1645.6	1643.4	1639.3	1631.8	1618.9	1604.9	1584.2	1563.0

Classified

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

Scaled Data Report



REPORT NUMBER: P622917 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-25W-7050

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1601.3	1609.9	1613.2	1613.6	1613.1	1608.6	1601.4	1587.2	1570.2	1553.0	1533.6
-25°	1565.4	1572.5	1575.9	1575.9	1575.1	1571.1	1563.5	1549.6	1535.2	1519.8	1499.3
-27.5°	1527.8	1535.7	1539.7	1540.0	1537.6	1532.5	1524.2	1514.2	1501.4	1482.3	1461.8
-30°	1486.0	1493.5	1497.2	1497.2	1497.1	1493.5	1486.8	1473.3	1457.3	1440.4	1420.9
-32.5°	1431.3	1438.7	1442.7	1442.8	1442.7	1438.7	1431.1	1421.3	1408.2	1389.3	1367.0
-35°	1379.5	1387.3	1391.9	1392.9	1391.2	1385.9	1377.1	1366.2	1354.2	1337.7	1318.0
-37.5°	1327.0	1334.3	1338.8	1340.3	1338.6	1334.0	1326.5	1316.0	1302.6	1286.4	1268.9
-40°	1270.1	1277.7	1282.3	1283.9	1281.7	1276.4	1268.0	1256.8	1244.4	1230.0	1214.2
-42.5°	1211.7	1218.6	1222.7	1224.1	1221.5	1216.3	1208.4	1198.1	1187.5	1174.0	1157.5
-45°	1152.3	1159.6	1164.1	1166.0	1163.9	1159.2	1152.2	1143.4	1130.9	1115.8	1099.2
-47.5°	1092.1	1097.9	1101.4	1102.4	1100.4	1095.8	1088.9	1079.2	1067.3	1054.1	1039.0
-50°	1029.1	1033.9	1036.2	1036.2	1034.8	1030.9	1024.7	1016.0	1004.9	991.5	976.3
-52.5°	957.7	962.6	965.1	965.1	963.9	960.3	954.3	945.9	935.5	924.0	909.5
-55°	882.1	887.3	890.1	890.6	889.1	885.0	878.4	869.3	857.9	846.9	832.8
-57.5°	770.0	773.6	773.5	768.9	772.1	771.0	766.6	759.2	743.8	726.7	715.2
-60°	644.5	648.3	650.1	649.7	648.8	645.9	641.0	634.4	626.1	622.7	614.7
-62.5°	563.9	567.1	568.6	568.4	567.7	565.2	560.9	554.6	547.0	539.7	531.3
-65°	466.6	468.0	465.6	460.1	464.7	466.2	464.0	457.5	446.3	432.8	426.7
-67.5°	360.8	363.5	364.8	364.9	364.6	363.1	360.3	356.1	350.6	345.4	340.0
-70°	277.1	276.4	273.4	268.5	272.5	274.7	274.8	272.1	266.2	257.8	250.6
-72.5°	197.7	198.2	198.0	196.8	197.6	197.6	196.9	195.9	194.9	190.5	182.5
-75°	125.5	126.1	126.0	125.2	125.3	124.7	123.5	121.6	119.2	116.5	115.2
-77.5°	68.0	68.8	69.1	68.7	68.7	68.1	66.9	65.1	62.6	59.7	58.5
-80°	32.8	32.8	32.7	32.5	32.5	32.4	32.1	31.8	31.3	30.8	30.3
-82.5°	19.9	19.9	19.9	19.8	19.8	19.7	19.6	19.4	19.1	18.8	18.4
-85°	10.5	10.6	10.6	10.5	10.5	10.4	10.3	10.2	10.1	9.9	9.7
-87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
-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: P622917 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-25W-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°	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
82.5°	3.0	3.0	2.9	2.9	2.8	2.7	2.5	2.3	2.0	1.6	1.2
80°	10.0	9.6	9.0	8.5	7.9	7.4	6.8	6.2	5.9	5.5	5.0
77.5°	21.7	21.0	20.1	19.1	18.3	17.6	16.2	14.5	13.2	11.8	10.4
75°	46.5	45.1	43.2	41.0	38.5	35.9	33.4	31.3	29.5	26.7	23.0
72.5°	91.9	92.5	90.3	83.2	73.5	70.3	66.1	60.0	53.7	47.5	43.7
70°	174.4	173.7	172.0	159.7	144.7	135.6	129.4	117.9	103.7	90.4	75.2
67.5°	274.8	271.7	270.8	261.7	236.8	219.8	208.8	190.4	171.1	154.5	135.0
65°	411.8	400.4	387.2	372.3	343.2	316.9	300.0	276.4	256.8	227.7	201.5
62.5°	523.1	510.8	492.5	474.3	455.4	434.9	408.3	373.4	338.4	304.0	285.4
60°	642.5	616.6	601.7	595.0	573.3	541.3	506.6	476.6	443.0	400.1	357.5
57.5°	762.5	747.4	713.0	682.7	663.7	650.1	627.1	589.5	538.2	492.9	446.6
55°	879.0	860.5	846.3	816.3	776.4	735.2	710.1	688.5	649.6	593.4	526.1
52.5°	963.3	940.9	917.7	894.1	867.0	834.8	793.6	760.6	728.3	682.8	623.4
50°	1031.4	1008.7	987.4	965.7	935.6	900.6	866.1	828.3	787.0	748.4	702.6
47.5°	1107.1	1078.3	1054.8	1034.1	1011.5	979.4	933.4	889.1	847.9	801.3	759.4
45°	1193.3	1169.3	1131.6	1098.7	1072.9	1047.2	1015.0	958.9	907.1	858.3	807.3
42.5°	1253.2	1234.3	1204.6	1169.2	1132.4	1102.0	1070.1	1025.1	970.6	916.5	859.7
40°	1300.2	1276.7	1250.6	1223.1	1187.9	1151.6	1113.7	1072.1	1024.2	970.1	916.0
37.5°	1351.5	1322.6	1292.3	1263.3	1232.4	1196.2	1155.8	1113.1	1066.8	1014.6	961.5
35°	1394.1	1369.8	1338.2	1304.0	1269.3	1236.4	1196.7	1152.5	1104.8	1054.3	998.1
32.5°	1434.5	1407.1	1377.8	1345.1	1308.8	1270.8	1233.9	1189.7	1141.8	1088.0	1032.1
30°	1472.7	1445.7	1413.1	1380.1	1344.4	1306.6	1265.1	1224.5	1174.9	1121.2	1061.5
27.5°	1505.2	1478.7	1449.3	1411.2	1374.7	1337.1	1297.5	1252.5	1206.0	1149.2	1088.0
25°	1534.1	1507.4	1476.1	1441.0	1401.4	1362.7	1324.7	1281.0	1230.2	1174.2	1115.5
22.5°	1561.0	1530.8	1498.7	1464.8	1426.9	1386.3	1344.1	1302.2	1251.0	1198.5	1137.2
20°	1580.7	1552.3	1518.5	1483.4	1445.5	1406.1	1364.2	1320.3	1271.2	1216.4	1155.6
17.5°	1597.9	1569.0	1536.6	1499.4	1463.8	1423.3	1381.0	1335.1	1288.0	1232.5	1172.5
15°	1610.9	1583.0	1551.8	1516.8	1478.1	1438.5	1395.1	1349.8	1300.9	1246.1	1187.8
12.5°	1625.1	1595.8	1564.1	1528.4	1490.6	1451.0	1407.5	1361.3	1311.5	1257.5	1199.2
10°	1636.5	1606.9	1574.2	1539.9	1500.6	1459.0	1415.9	1370.8	1321.4	1267.9	1209.1
7.5°	1644.9	1615.2	1582.4	1547.0	1507.6	1466.6	1424.0	1378.0	1329.2	1275.5	1216.3
5°	1650.7	1620.0	1588.1	1552.3	1512.5	1471.0	1429.0	1383.0	1334.1	1280.1	1220.8
2.5°	1653.1	1622.3	1589.7	1554.9	1515.2	1472.7	1430.6	1385.3	1336.3	1282.2	1222.4
0°	1651.3	1621.2	1587.7	1554.6	1515.0	1471.5	1429.2	1384.9	1335.7	1281.6	1221.4
-2.5°	1650.4	1619.9	1586.0	1553.0	1513.7	1470.5	1428.7	1383.9	1334.5	1281.2	1221.6
-5°	1645.5	1615.1	1580.6	1549.6	1509.3	1466.3	1425.5	1380.3	1330.8	1278.1	1219.1
-7.5°	1636.6	1605.9	1571.0	1542.6	1502.0	1459.8	1419.4	1373.9	1324.8	1272.9	1213.7
-10°	1623.9	1594.7	1562.2	1530.9	1491.5	1451.4	1410.5	1365.2	1316.6	1264.0	1205.4
-12.5°	1608.8	1580.1	1551.3	1515.3	1476.8	1438.1	1397.1	1352.4	1305.1	1251.9	1194.5
-15°	1589.6	1563.7	1533.2	1498.4	1460.1	1420.5	1379.2	1334.2	1289.1	1238.6	1182.1
-17.5°	1566.2	1541.1	1509.4	1476.0	1440.1	1399.7	1358.4	1315.8	1271.0	1219.1	1159.9
-20°	1541.3	1512.3	1483.1	1451.6	1414.0	1375.6	1335.1	1291.6	1246.2	1195.8	1137.1



REPORT NUMBER: P622917 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-25W-7050

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1508.5	1482.5	1453.2	1421.8	1385.6	1347.9	1310.5	1267.8	1221.3	1169.1	1114.7
-25°	1475.7	1448.1	1422.2	1388.4	1354.7	1319.2	1277.5	1238.5	1193.2	1138.7	1086.6
-27.5°	1439.0	1414.6	1383.9	1353.9	1321.3	1282.4	1245.0	1205.4	1158.1	1110.4	1049.8
-30°	1395.0	1370.2	1344.4	1316.5	1279.4	1242.3	1206.4	1166.9	1123.5	1074.2	1013.7
-32.5°	1347.3	1325.4	1301.5	1267.9	1232.1	1200.2	1165.1	1125.1	1084.9	1030.3	976.4
-35°	1299.5	1278.0	1249.4	1218.2	1186.0	1154.7	1119.8	1083.4	1037.2	987.9	936.8
-37.5°	1247.2	1224.9	1198.5	1169.3	1139.8	1106.3	1073.8	1034.3	991.5	945.5	899.5
-40°	1192.5	1170.0	1146.4	1120.8	1089.0	1057.0	1023.1	986.6	945.9	902.6	855.1
-42.5°	1138.3	1116.7	1092.1	1065.8	1037.6	1006.7	974.1	938.3	898.5	856.3	799.9
-45°	1079.5	1057.4	1035.9	1011.0	985.0	955.3	923.4	885.7	847.6	799.3	752.5
-47.5°	1020.4	999.7	979.0	955.5	929.8	900.6	865.6	831.3	789.6	748.4	700.9
-50°	959.0	940.0	919.7	896.8	868.1	837.7	807.0	773.4	736.1	693.8	645.0
-52.5°	893.6	874.7	850.9	825.8	801.2	773.6	745.1	712.7	676.7	631.0	589.7
-55°	813.3	794.1	776.7	756.2	729.3	694.3	664.2	636.1	606.9	568.7	513.0
-57.5°	709.3	699.6	677.4	645.9	620.8	601.8	584.0	562.7	518.9	473.4	440.5
-60°	599.4	584.0	565.7	551.4	541.1	527.0	496.9	463.1	431.5	408.4	382.7
-62.5°	520.6	508.2	492.0	477.2	461.2	438.8	410.4	388.6	370.4	350.9	322.6
-65°	422.6	417.9	403.4	381.3	363.9	348.7	337.5	323.6	303.2	262.7	238.2
-67.5°	331.4	322.1	311.7	300.0	292.5	281.3	260.0	237.0	218.1	205.0	187.1
-70°	247.8	243.7	237.5	226.1	210.4	198.9	190.8	179.6	164.5	149.8	135.0
-72.5°	175.0	168.4	163.5	157.9	150.4	142.2	133.1	123.0	111.7	99.4	86.2
-75°	113.0	109.9	105.8	100.9	94.8	87.5	79.3	71.5	65.4	59.5	53.2
-77.5°	57.2	55.2	52.5	49.2	46.5	44.1	41.1	38.1	35.6	32.2	28.8
-80°	29.6	28.7	27.6	26.6	25.6	24.5	23.1	21.4	20.0	18.4	16.8
-82.5°	17.9	17.4	16.9	16.3	15.8	15.0	14.2	13.4	12.5	11.6	10.7
-85°	9.4	9.1	8.8	8.4	8.0	7.5	7.0	6.5	6.1	5.6	5.2
-87.5°	3.2	3.1	3.0	2.9	2.8	2.6	2.5	2.3	2.2	2.1	1.9
-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: P622917 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-25W-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
82.5°	1.0	1.0	0.9	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.3
80°	4.4	3.9	3.4	2.9	2.5	2.1	1.5	0.9	0.6	0.6	0.5
77.5°	9.1	7.7	6.8	5.7	4.8	4.1	3.5	2.8	2.0	1.2	0.7
75°	19.1	16.5	12.8	10.6	8.6	7.0	5.4	4.6	3.7	2.7	1.7
72.5°	38.9	33.9	28.5	22.6	16.5	11.7	9.0	6.9	5.4	4.3	3.1
70°	66.4	57.3	47.1	40.1	32.7	24.1	14.7	10.8	7.9	5.8	4.5
67.5°	115.4	95.4	79.6	64.9	49.5	39.5	28.9	17.9	11.5	8.2	5.9
65°	175.5	150.0	125.1	99.9	80.8	59.3	44.0	30.9	18.3	11.3	7.6
62.5°	246.7	210.9	178.3	148.0	117.8	90.6	65.2	45.3	30.0	15.7	10.0
60°	320.8	288.0	240.9	198.8	162.0	126.3	94.3	65.2	41.9	26.0	13.2
57.5°	397.9	352.9	315.9	261.5	208.7	166.1	127.0	91.1	59.7	36.2	19.0
55°	480.1	424.3	375.8	330.6	264.1	208.3	162.2	120.0	81.7	49.3	27.9
52.5°	553.7	499.9	438.3	383.2	324.6	254.8	198.6	150.8	106.3	66.3	36.6
50°	640.7	566.0	507.1	435.5	371.4	306.6	237.6	181.1	132.4	85.7	46.6
47.5°	709.6	643.9	563.8	492.5	418.2	350.2	277.3	214.0	158.3	106.9	60.7
45°	761.8	707.1	627.7	541.1	465.4	391.2	320.9	246.1	183.6	128.3	75.2
42.5°	805.6	754.2	685.2	594.5	511.4	431.1	355.0	276.9	210.4	148.5	90.0
40°	849.8	792.1	728.9	651.4	553.0	471.1	389.5	312.1	237.6	167.7	105.7
37.5°	901.5	826.3	766.1	691.8	600.8	506.8	422.6	340.7	258.5	186.3	121.3
35°	939.0	867.3	795.6	728.8	643.7	539.5	454.2	367.6	281.4	205.5	136.2
32.5°	971.1	903.6	825.8	759.1	676.2	580.5	483.7	393.9	306.2	224.9	150.2
30°	1002.1	931.1	858.2	783.1	707.4	613.6	507.3	418.5	327.2	241.5	163.4
27.5°	1029.2	960.9	884.7	807.3	733.5	640.7	532.3	441.5	345.8	255.3	175.9
25°	1051.4	988.5	906.0	830.6	755.0	665.1	561.4	462.7	364.0	268.6	187.4
22.5°	1070.3	1010.1	927.1	850.4	772.3	688.3	585.5	482.1	381.2	283.7	198.5
20°	1089.6	1025.9	952.7	867.3	789.1	708.7	606.7	496.7	396.6	296.9	209.3
17.5°	1109.3	1040.9	972.3	882.3	804.3	723.9	625.0	509.5	410.3	308.3	218.7
15°	1123.2	1053.5	988.9	895.4	816.8	737.1	638.7	521.4	422.2	317.6	226.8
12.5°	1135.2	1063.3	999.2	906.7	826.9	746.6	650.2	532.7	432.2	325.3	233.1
10°	1144.1	1073.3	1008.4	917.2	834.8	753.5	659.3	541.1	440.3	331.5	237.6
7.5°	1150.6	1080.8	1015.6	923.9	840.2	758.4	665.9	546.7	446.4	336.2	241.1
5°	1154.7	1084.9	1019.7	927.3	843.3	761.5	670.0	549.6	450.6	339.2	243.4
2.5°	1155.9	1086.0	1021.7	927.5	844.2	762.5	671.7	550.2	452.8	340.7	244.6
0°	1154.5	1084.3	1021.3	924.9	842.9	761.6	671.2	548.7	453.1	340.5	244.7
-2.5°	1154.7	1085.3	1020.4	925.4	843.3	761.5	671.4	550.3	453.3	340.9	245.2
-5°	1152.3	1083.5	1017.3	923.4	841.4	759.4	669.5	549.8	451.7	339.7	244.5
-7.5°	1146.7	1078.7	1012.0	918.7	837.1	755.4	665.4	546.9	448.2	336.9	242.7
-10°	1139.3	1070.6	1003.0	911.4	830.5	749.3	659.3	541.5	442.8	332.6	239.6
-12.5°	1130.1	1059.6	989.9	901.4	821.2	741.3	650.6	533.2	435.6	326.8	235.3
-15°	1118.0	1046.5	974.2	889.7	809.3	730.7	639.9	522.1	426.1	319.5	229.5
-17.5°	1102.7	1030.9	955.9	876.2	795.5	717.3	627.2	510.6	414.5	310.8	222.5
-20°	1077.1	1013.0	935.8	859.7	780.0	702.1	608.9	498.5	401.0	300.9	214.4



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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°	1049.1	986.4	911.7	840.3	762.6	684.7	586.8	484.7	385.2	289.7	205.3
-25°	1021.0	956.7	887.5	813.9	743.4	665.5	562.3	467.8	367.3	277.1	195.3
-27.5°	991.4	926.0	860.3	786.5	718.3	643.6	533.6	449.8	348.7	263.4	184.5
-30°	956.2	895.7	826.8	758.3	690.7	613.6	509.8	426.4	331.3	248.1	172.6
-32.5°	920.7	862.7	790.6	727.5	660.9	578.5	487.8	400.8	312.6	232.1	160.0
-35°	886.4	819.6	756.8	694.1	629.4	538.8	461.9	372.3	292.7	216.2	146.4
-37.5°	842.1	776.9	718.5	658.6	590.9	508.0	430.4	345.9	270.6	199.3	133.3
-40°	790.4	735.7	678.9	622.7	548.7	475.0	396.2	320.3	245.8	181.3	121.6
-42.5°	747.5	690.6	638.5	580.9	511.1	436.8	361.9	292.2	223.8	162.4	109.5
-45°	699.6	646.2	597.5	537.1	467.6	398.0	330.3	260.3	200.6	142.6	96.8
-47.5°	650.2	603.5	554.1	492.3	422.6	360.0	294.6	229.8	176.4	127.4	83.8
-50°	601.1	552.7	504.9	437.0	381.4	320.7	255.3	201.7	151.9	110.8	70.4
-52.5°	539.9	492.7	438.6	392.6	338.3	275.8	219.9	173.5	130.4	93.4	58.6
-55°	470.0	427.4	389.6	346.1	287.0	231.4	187.5	145.8	109.7	76.2	47.1
-57.5°	408.2	376.3	337.1	286.3	235.1	194.0	156.6	121.3	88.7	60.4	36.8
-60°	354.2	315.2	268.9	229.1	193.2	160.2	127.5	96.1	69.3	46.2	27.7
-62.5°	277.2	243.8	213.9	184.4	157.2	127.6	98.4	74.2	52.3	33.8	20.0
-65°	216.5	193.2	168.0	145.7	121.0	94.4	73.9	54.5	37.8	24.4	16.7
-67.5°	165.2	146.7	126.8	105.6	84.8	69.3	52.3	38.2	26.3	18.2	13.4
-70°	119.1	102.2	84.3	72.7	60.1	46.6	35.4	25.7	18.6	14.1	10.2
-72.5°	75.3	66.7	56.8	46.5	38.7	30.8	22.7	17.5	13.8	10.6	7.1
-75°	45.8	39.8	33.9	28.8	23.4	19.1	15.1	12.7	10.0	7.0	5.0
-77.5°	25.8	22.3	19.8	16.9	14.7	12.9	10.8	8.6	6.5	4.8	3.6
-80°	15.5	14.2	12.9	11.5	10.0	8.5	6.8	5.3	4.1	3.2	2.4
-82.5°	9.7	8.7	7.6	6.5	5.4	4.7	3.9	3.2	2.6	2.0	1.6
-85°	4.7	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.4	1.2	1.0
-87.5°	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.8	0.7	0.6	0.5
-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):

	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°	0.1	0.1	0.1	0.1	0.0	0.0	0.0
85°	0.2	0.2	0.2	0.1	0.1	0.0	0.0
82.5°	0.3	0.3	0.3	0.2	0.1	0.1	0.0
80°	0.4	0.4	0.3	0.3	0.2	0.1	0.0
77.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
75°	0.9	0.7	0.5	0.4	0.3	0.1	0.0
72.5°	1.8	0.9	0.6	0.5	0.3	0.2	0.0
70°	3.0	1.5	0.8	0.5	0.4	0.2	0.0
67.5°	4.2	2.5	1.1	0.6	0.4	0.2	0.0
65°	5.4	3.5	1.6	0.8	0.5	0.2	0.0
62.5°	6.6	4.4	2.3	1.0	0.5	0.2	0.0
60°	8.4	5.4	3.1	1.1	0.6	0.3	0.0
57.5°	10.3	6.4	3.8	1.3	0.6	0.3	0.0
55°	13.6	7.6	4.5	1.9	0.7	0.3	0.0
52.5°	17.6	9.1	5.2	2.4	0.7	0.3	0.0
50°	24.7	10.6	6.0	2.9	0.9	0.4	0.0
47.5°	31.6	13.8	6.8	3.4	1.0	0.4	0.0
45°	38.3	17.1	7.6	3.8	1.1	0.4	0.0
42.5°	44.7	21.3	8.7	4.3	1.2	0.4	0.0
40°	55.2	26.3	9.7	4.7	1.3	0.5	0.0
37.5°	65.1	31.1	10.6	5.1	1.4	0.5	0.0
35°	75.3	35.6	12.6	5.6	1.6	0.5	0.0
32.5°	85.4	40.0	15.1	6.0	1.9	0.5	0.0
30°	94.8	44.0	17.5	6.5	2.1	0.5	0.0
27.5°	104.6	48.4	19.8	6.9	2.3	0.5	0.0
25°	113.6	54.2	22.2	7.3	2.5	0.6	0.0
22.5°	121.7	59.4	24.7	7.6	2.7	0.6	0.0
20°	129.0	64.1	27.0	8.0	2.8	0.6	0.0
17.5°	135.9	68.2	29.1	8.4	3.0	0.6	0.0
15°	141.8	72.1	30.9	8.7	3.1	0.6	0.0
12.5°	146.8	75.8	32.5	9.0	3.2	0.6	0.0
10°	150.9	78.8	33.9	9.3	3.3	0.6	0.0
7.5°	154.0	81.2	35.0	9.4	3.4	0.6	0.0
5°	156.2	82.9	35.8	9.6	3.4	0.6	0.0
2.5°	157.4	84.0	36.4	9.7	3.5	0.6	0.0
0°	157.7	84.4	36.8	9.7	3.5	0.6	0.0
-2.5°	158.1	84.9	37.0	9.9	3.5	0.7	0.0
-5°	157.6	84.8	37.0	10.0	3.5	0.7	0.0
-7.5°	156.0	84.0	36.7	10.0	3.5	0.7	0.0
-10°	153.6	82.6	36.2	10.0	3.5	0.7	0.0
-12.5°	150.2	80.5	35.3	10.0	3.4	0.7	0.0
-15°	145.8	77.9	34.3	9.9	3.4	0.7	0.0
-17.5°	140.5	75.0	32.9	9.7	3.3	0.7	0.0
-20°	134.2	71.7	31.2	9.5	3.2	0.7	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	128.0	67.9	29.3	9.2	3.1	0.7	0.0
-25°	121.6	63.6	27.0	9.0	2.9	0.6	0.0
-27.5°	114.6	58.6	24.8	8.6	2.8	0.6	0.0
-30°	107.0	54.6	22.3	8.3	2.6	0.6	0.0
-32.5°	98.9	50.5	19.7	7.8	2.4	0.6	0.0
-35°	90.3	46.0	16.9	7.3	2.2	0.6	0.0
-37.5°	81.4	41.2	14.6	6.8	2.0	0.6	0.0
-40°	72.3	36.4	13.7	6.3	1.9	0.5	0.0
-42.5°	62.6	31.2	12.7	5.8	1.8	0.5	0.0
-45°	55.1	26.3	11.7	5.2	1.7	0.5	0.0
-47.5°	46.9	21.6	10.6	4.6	1.5	0.5	0.0
-50°	39.2	16.9	9.5	4.1	1.4	0.5	0.0
-52.5°	31.3	15.2	8.4	3.6	1.2	0.4	0.0
-55°	24.9	13.5	7.2	3.1	1.1	0.4	0.0
-57.5°	18.6	11.8	6.1	2.6	1.0	0.4	0.0
-60°	16.3	10.0	4.9	2.3	1.0	0.3	0.0
-62.5°	13.8	8.2	4.1	1.9	0.9	0.3	0.0
-65°	11.3	6.3	3.4	1.6	0.8	0.3	0.0
-67.5°	8.7	4.8	2.7	1.4	0.7	0.3	0.0
-70°	6.1	3.8	2.2	1.2	0.6	0.2	0.0
-72.5°	4.7	3.0	1.7	1.0	0.5	0.2	0.0
-75°	3.5	2.2	1.4	0.8	0.4	0.2	0.0
-77.5°	2.5	1.7	1.1	0.7	0.4	0.1	0.0
-80°	1.8	1.2	0.8	0.5	0.3	0.1	0.0
-82.5°	1.2	0.9	0.6	0.4	0.2	0.1	0.0
-85°	0.8	0.6	0.4	0.3	0.1	0.1	0.0
-87.5°	0.4	0.3	0.2	0.1	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)