

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: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **LSF65-XX-PC-25W-7040**

Issue Date: 10/4/2022

Test Information

Test Method: LM-79-08
Report Number: P622916 (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-7040
Description: Flood light with selectable wattage and CCT
Light Source: (1) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

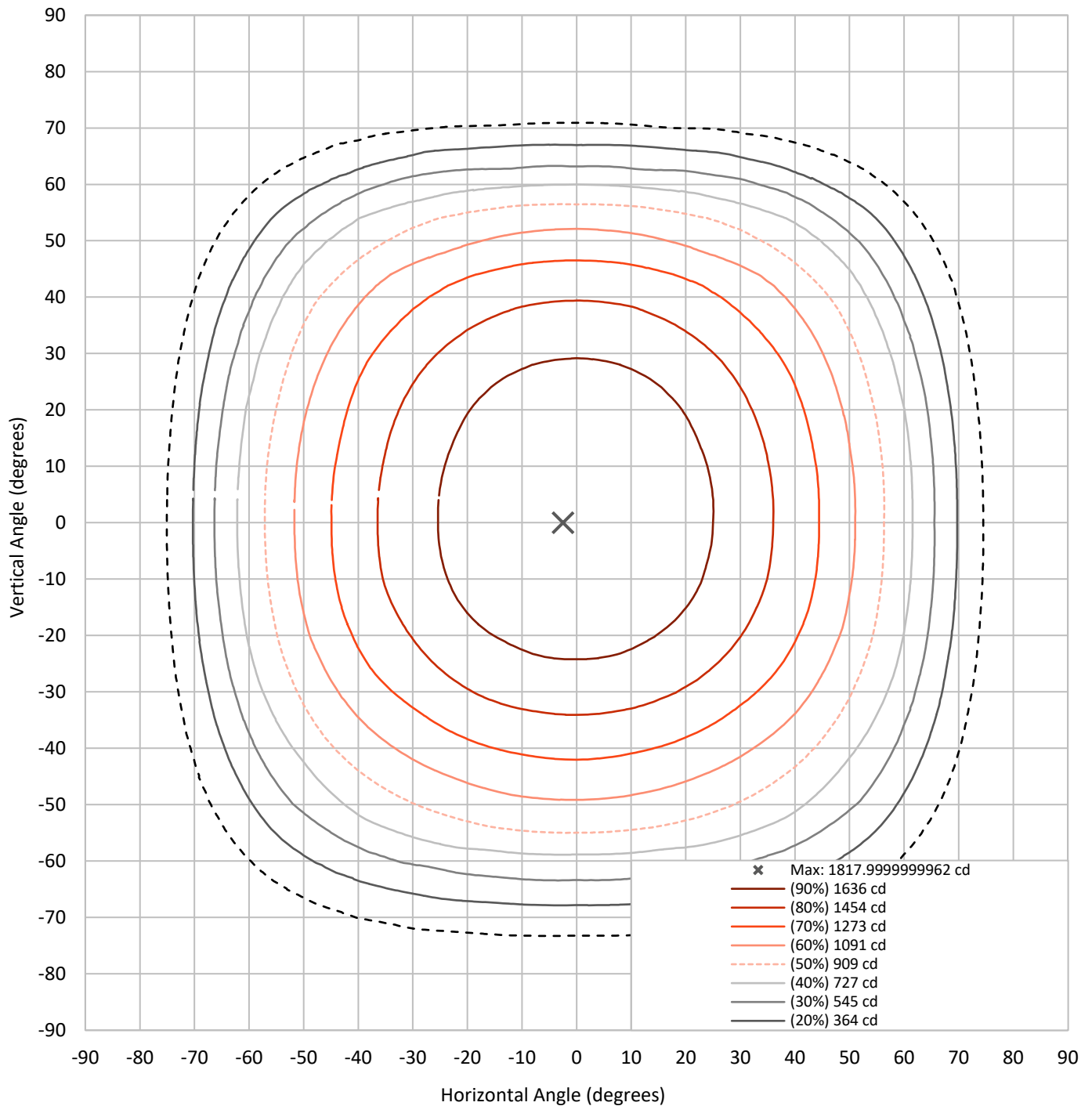
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	4923.1 lumens	Max Intensity:	1818 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	181.0 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:	3949.6 lumens	Field Lumens:	4850.2 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		



REPORT NUMBER: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: LSF65-XX-PC-25W-7040

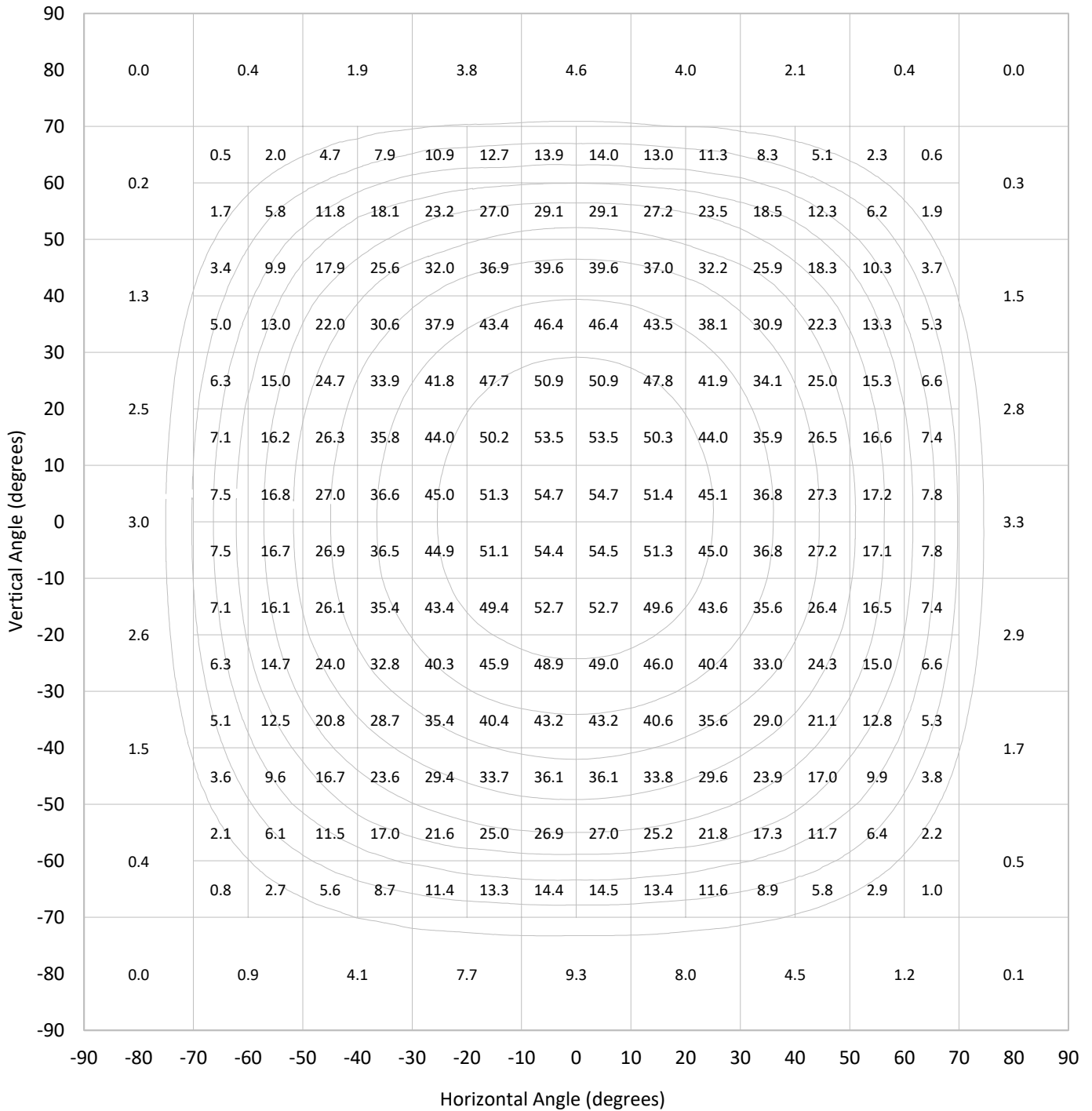
Iso-Candela Plot





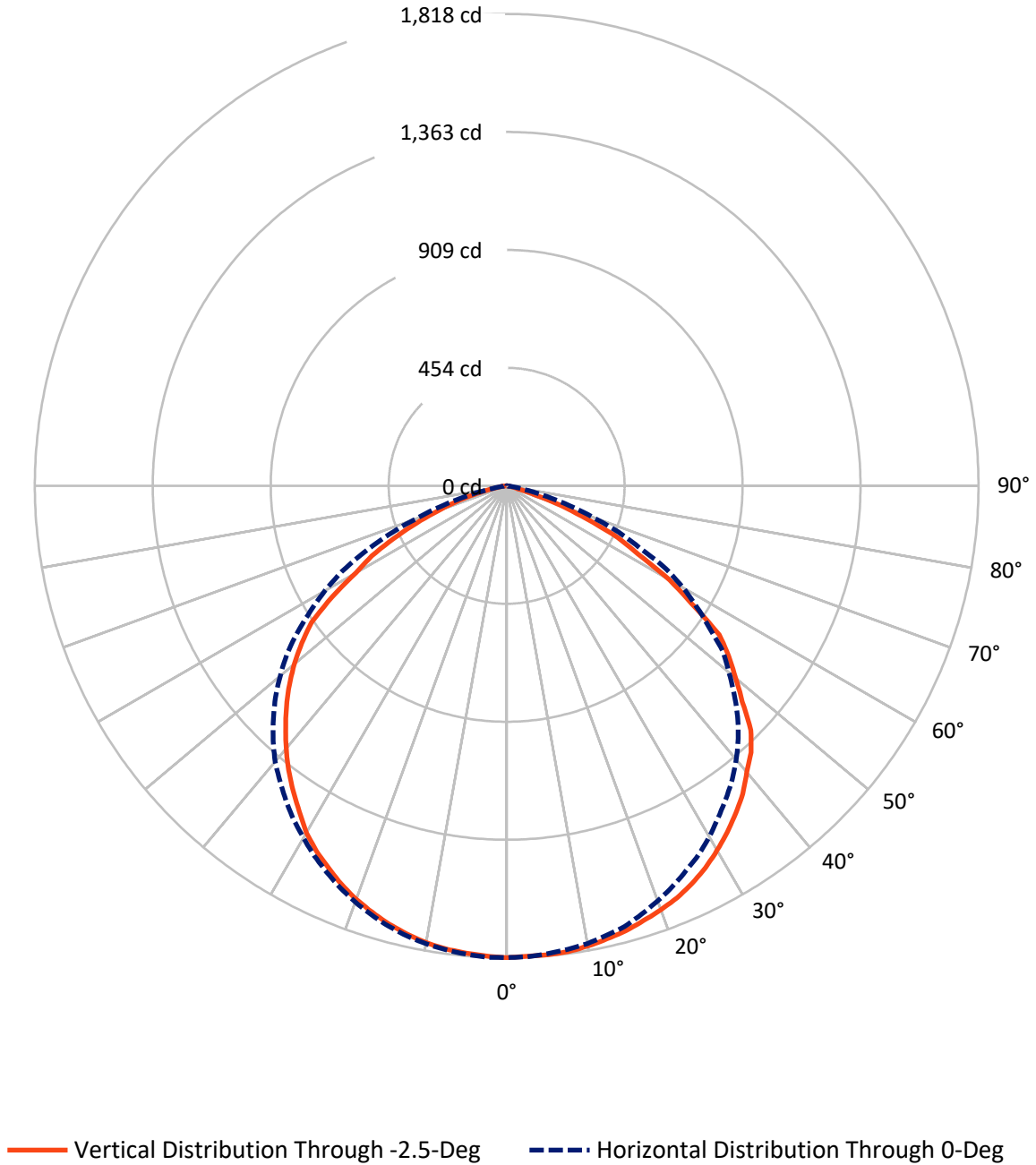
REPORT NUMBER: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-25W-7040

Lumen Table



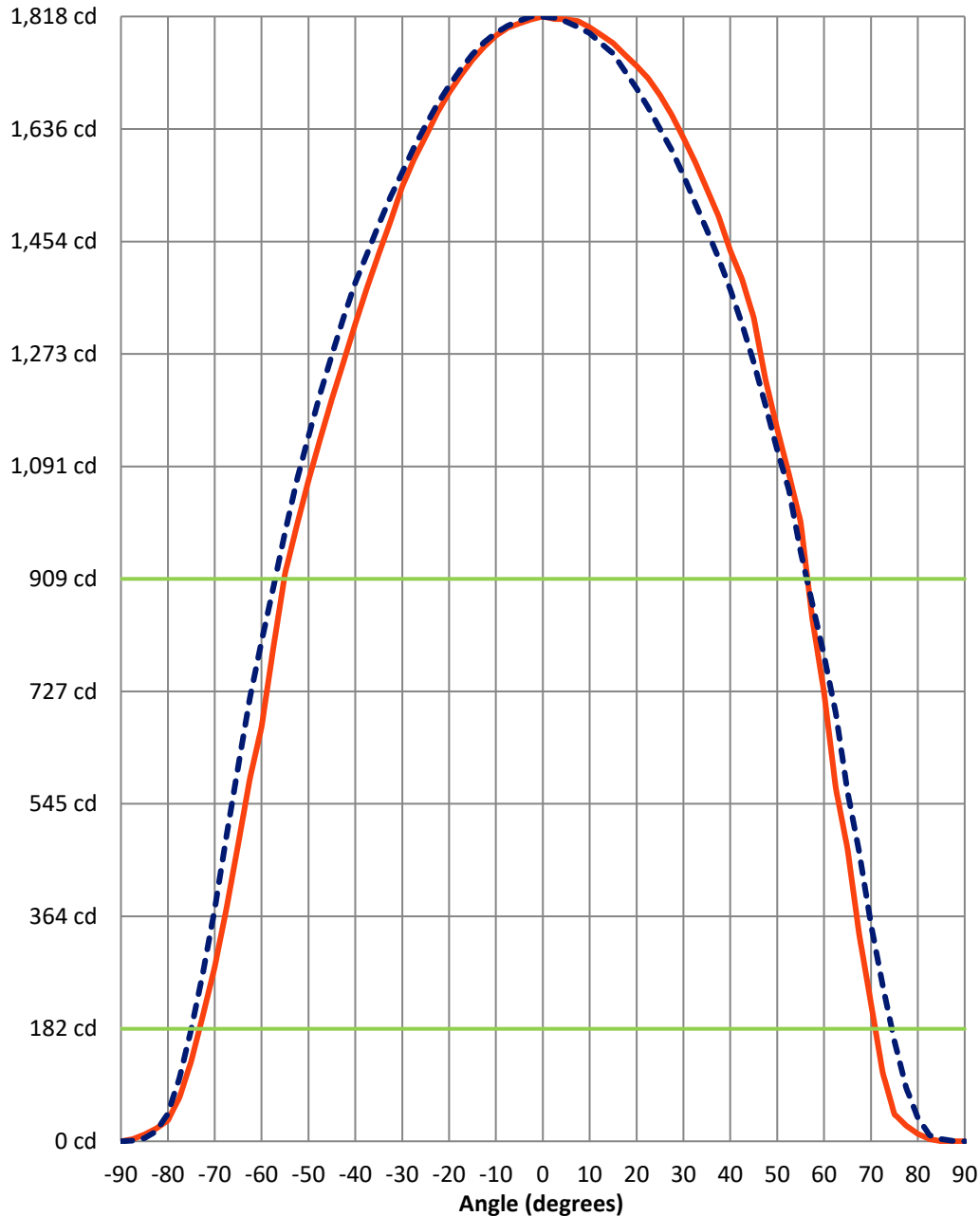
REPORT NUMBER: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: LSF65-XX-PC-25W-7040

Luminous Intensity Polar Plot



REPORT NUMBER: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-25W-7040

Luminous Intensity Plot



Beam:
 H Angle: 113.4°
 V Angle: 111.6°
 Lumens: 3949.6
 Efficiency: 80.2%

Field:
 H Angle: 149.5°
 V Angle: 144.2°
 Lumens: 4850.2
 Efficiency: 98.5%

Spill:
 Lumens: 72.9
 Efficiency: 1.5%

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



REPORT NUMBER: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-25W-7040

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	0.4	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	1.3	1.7
77.5°	0.0	0.3	0.5	0.5	0.6	0.7	1.0	1.7	2.3	3.0	3.7
75°	0.0	0.4	0.6	0.6	0.7	1.1	2.0	2.9	3.8	4.7	6.0
72.5°	0.0	0.4	0.6	0.7	0.9	2.0	3.1	4.2	5.3	7.2	9.3
70°	0.0	0.5	0.6	0.8	1.5	2.9	4.2	5.5	7.9	10.7	15.3
67.5°	0.0	0.5	0.7	1.0	2.2	3.8	5.4	7.9	11.2	17.5	26.3
65°	0.0	0.6	0.7	1.3	2.9	4.8	7.1	10.7	17.2	28.5	40.6
62.5°	0.0	0.6	0.8	1.7	3.7	6.0	9.4	13.7	27.4	41.3	56.9
60°	0.0	0.6	0.9	2.2	4.4	7.6	12.0	23.1	38.7	54.4	80.5
57.5°	0.0	0.6	1.0	2.6	5.5	9.5	14.5	32.8	49.9	74.5	109.5
55°	0.0	0.6	1.1	3.2	6.6	11.4	22.2	42.1	64.1	99.7	137.9
52.5°	0.0	0.7	1.2	3.8	7.7	13.5	29.6	51.4	82.0	125.4	172.8
50°	0.0	0.7	1.5	4.3	9.2	15.4	37.2	62.0	104.8	151.8	204.5
47.5°	0.0	0.7	1.8	4.9	10.6	21.0	44.6	76.6	127.1	179.7	237.6
45°	0.0	0.7	2.0	5.7	12.0	26.3	52.3	92.6	147.8	206.2	274.7
42.5°	0.0	0.7	2.2	6.5	13.4	31.7	59.9	109.7	168.8	233.3	311.7
40°	0.0	0.7	2.4	7.3	14.8	37.0	70.9	125.9	189.3	260.8	337.1
37.5°	0.0	0.8	2.6	8.1	16.1	42.2	81.3	141.2	209.3	290.7	368.6
35°	0.0	0.8	2.9	8.9	18.8	47.6	92.6	156.5	228.8	314.8	399.8
32.5°	0.0	0.8	3.2	9.8	22.0	53.0	104.2	171.4	247.4	333.2	429.0
30°	0.0	0.9	3.4	10.6	24.9	58.2	114.9	185.6	266.8	355.1	456.4
27.5°	0.0	0.9	3.7	11.3	27.6	63.6	124.7	199.2	286.7	376.9	481.7
25°	0.0	0.9	3.9	12.0	30.1	69.7	133.7	211.7	304.3	397.4	499.7
22.5°	0.0	1.0	4.1	12.7	32.8	75.3	141.9	223.1	316.7	416.3	516.4
20°	0.0	1.0	4.3	13.3	35.2	80.4	149.5	232.9	328.0	433.3	535.0
17.5°	0.0	1.0	4.5	13.8	37.4	84.9	156.9	241.4	338.5	448.5	551.0
15°	0.0	1.0	4.6	14.3	39.3	89.3	163.4	248.6	349.1	461.7	565.1
12.5°	0.0	1.0	4.8	14.7	40.9	93.3	168.9	255.4	357.9	472.9	578.7
10°	0.0	1.1	4.9	15.1	42.2	96.7	173.4	262.0	364.8	480.7	589.6
7.5°	0.0	1.1	5.0	15.4	43.3	99.3	176.9	267.1	369.9	486.3	597.7
5°	0.0	1.1	5.0	15.7	44.0	101.2	179.5	270.5	373.3	490.3	603.1
2.5°	0.0	1.1	5.1	15.9	44.5	102.4	180.9	272.3	375.0	492.4	605.6
0°	0.0	1.1	5.1	16.0	44.7	102.9	181.4	272.6	375.1	492.8	605.4
-2.5°	0.0	1.1	5.2	16.1	45.0	103.3	181.4	272.8	375.4	492.4	605.6
-5°	0.0	1.1	5.2	16.2	45.1	103.0	180.4	271.4	374.0	490.2	603.0
-7.5°	0.0	1.1	5.2	16.2	44.8	102.0	178.4	268.5	371.0	486.2	597.7
-10°	0.0	1.1	5.2	16.2	44.3	100.3	175.5	264.1	366.2	480.3	589.7
-12.5°	0.0	1.1	5.2	16.0	43.4	97.9	171.6	258.3	359.7	472.2	579.0
-15°	0.0	1.1	5.1	15.8	42.3	94.9	166.9	252.3	351.5	461.2	565.6
-17.5°	0.0	1.1	5.0	15.4	40.8	91.5	161.3	245.8	341.5	448.3	551.8
-20°	0.0	1.1	4.9	15.0	39.1	87.7	155.0	238.0	331.1	433.5	536.3



REPORT NUMBER: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-25W-7040

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	4.8	14.6	37.0	83.4	148.5	228.9	319.5	417.5	518.1
-25°	0.0	1.1	4.6	14.1	34.6	78.4	141.6	218.0	306.6	400.0	499.9
-27.5°	0.0	1.0	4.4	13.6	32.4	72.8	134.0	205.5	290.9	381.0	480.0
-30°	0.0	1.0	4.2	13.0	30.0	67.6	125.7	191.8	273.6	360.2	455.8
-32.5°	0.0	1.0	3.9	12.3	27.4	62.5	116.7	179.1	256.3	338.8	430.2
-35°	0.0	0.9	3.6	11.6	24.6	56.9	107.1	166.4	238.7	319.0	403.9
-37.5°	0.0	0.9	3.3	10.8	22.0	51.3	97.1	153.6	219.4	296.7	374.8
-40°	0.0	0.9	3.1	10.0	20.4	46.3	86.9	140.8	198.6	272.1	344.9
-42.5°	0.0	0.9	2.9	9.2	18.7	40.8	75.9	127.4	180.3	246.2	318.4
-45°	0.0	0.9	2.7	8.2	16.9	35.5	67.4	113.2	163.3	219.3	286.0
-47.5°	0.0	0.8	2.5	7.3	15.5	30.4	58.4	98.7	146.4	192.0	252.5
-50°	0.0	0.8	2.3	6.5	14.1	24.9	50.4	83.6	128.2	171.0	220.3
-52.5°	0.0	0.8	2.0	5.7	12.6	22.0	42.3	71.1	109.3	149.6	189.5
-55°	0.0	0.8	1.8	4.9	11.1	18.8	34.8	59.5	89.9	127.7	165.1
-57.5°	0.0	0.8	1.7	4.1	9.6	16.4	27.1	49.1	73.0	105.2	140.1
-60°	0.0	0.7	1.5	3.6	8.0	14.4	22.6	38.7	58.5	82.1	114.5
-62.5°	0.0	0.7	1.4	3.1	6.7	12.3	18.3	28.7	45.9	64.5	88.3
-65°	0.0	0.7	1.2	2.6	5.3	10.2	15.7	22.6	34.3	49.8	66.7
-67.5°	0.0	0.6	1.1	2.2	4.2	8.1	13.1	17.9	25.2	36.5	49.9
-70°	0.0	0.6	1.0	1.9	3.4	6.0	10.4	14.6	18.9	25.9	35.5
-72.5°	0.0	0.5	0.9	1.6	2.7	4.5	7.6	11.4	14.7	18.8	24.5
-75°	0.0	0.4	0.9	1.3	2.2	3.4	5.2	8.1	11.2	14.0	17.2
-77.5°	0.0	0.4	0.8	1.1	1.7	2.6	3.8	5.4	7.6	10.1	12.5
-80°	0.0	0.3	0.6	1.0	1.3	1.9	2.7	3.6	4.9	6.4	8.3
-82.5°	0.0	0.2	0.5	0.8	1.1	1.4	1.8	2.5	3.2	3.9	4.9
-85°	0.0	0.1	0.3	0.5	0.8	1.0	1.3	1.6	1.9	2.3	2.8
-87.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.3
-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: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-25W-7040

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	0.6	0.7	1.1	1.3	1.4	1.4	1.6	1.9	2.3	2.6
80°	2.2	2.8	3.3	3.7	4.2	4.6	5.0	5.4	6.3	7.0	7.6
77.5°	4.5	5.4	6.2	7.1	8.4	9.7	11.3	12.7	14.1	15.5	16.8
75°	7.3	9.0	10.9	13.4	16.0	19.8	22.6	27.6	32.4	35.7	37.4
72.5°	11.8	15.5	20.4	26.9	33.6	40.7	48.1	54.4	58.4	63.5	66.9
70°	21.1	29.7	38.2	48.1	58.8	70.4	81.7	94.3	106.0	118.1	135.6
67.5°	36.7	46.9	61.5	79.0	95.2	113.5	133.2	157.5	176.0	188.8	216.7
65°	54.3	73.3	96.3	116.2	146.6	174.2	197.5	227.2	264.1	284.1	302.4
62.5°	80.2	106.9	136.9	172.7	203.1	236.8	282.2	312.0	332.8	365.9	400.8
60°	111.6	146.5	187.3	224.4	274.0	317.7	350.9	388.9	430.4	472.3	512.7
57.5°	146.4	190.7	234.6	297.1	344.2	386.0	432.7	479.6	527.5	582.8	634.2
55°	185.9	233.4	299.7	360.1	411.4	463.0	513.6	566.9	639.2	696.9	725.7
52.5°	222.9	288.1	352.3	419.8	480.4	534.1	596.1	670.6	724.4	765.5	800.4
50°	265.2	335.2	406.0	477.7	542.6	609.3	687.5	741.8	785.8	827.0	865.3
47.5°	311.9	381.3	457.9	529.3	604.9	690.7	748.8	796.6	840.7	886.5	929.5
45°	346.1	427.3	505.5	579.4	675.8	746.8	798.5	845.7	900.8	949.8	1002.6
42.5°	386.3	471.3	547.8	644.9	725.7	791.3	842.4	905.5	959.3	1013.3	1067.5
40°	424.7	508.5	596.6	693.0	767.5	828.4	899.1	959.4	1012.2	1067.4	1115.4
37.5°	461.2	543.9	647.2	729.7	802.5	871.1	947.3	1003.4	1058.3	1110.4	1156.4
35°	493.0	584.0	683.3	768.1	835.1	913.5	981.9	1040.5	1097.9	1148.6	1199.2
32.5°	516.9	626.4	713.0	796.4	871.0	945.4	1014.2	1076.8	1132.4	1189.4	1235.4
30°	547.6	654.1	746.5	824.2	901.2	977.1	1046.7	1107.4	1168.3	1222.4	1270.3
27.5°	578.0	677.6	772.9	850.4	925.2	1007.0	1075.3	1136.7	1198.2	1250.5	1301.5
25°	607.8	701.2	794.2	872.0	951.0	1033.7	1100.0	1163.0	1220.3	1276.3	1327.9
22.5°	631.2	727.7	815.6	888.7	978.0	1056.2	1122.8	1184.1	1242.3	1298.8	1348.0
20°	649.6	751.1	833.3	907.5	1002.3	1075.5	1141.4	1202.2	1260.7	1316.9	1368.1
17.5°	666.0	765.9	848.3	925.7	1020.3	1092.3	1154.9	1218.0	1277.5	1333.4	1385.9
15°	679.3	778.9	861.1	944.3	1035.9	1106.4	1168.5	1231.1	1290.7	1348.2	1400.7
12.5°	690.5	789.5	872.1	958.8	1047.6	1117.5	1181.2	1243.9	1302.8	1361.0	1411.0
10°	699.8	797.7	881.2	970.0	1056.8	1125.8	1192.2	1254.8	1314.7	1372.5	1420.4
7.5°	708.0	803.6	888.0	978.2	1063.3	1132.3	1200.3	1263.2	1323.4	1380.3	1427.9
5°	713.4	807.2	892.5	983.3	1067.1	1137.0	1205.4	1268.6	1329.0	1385.5	1432.6
2.5°	716.1	808.7	894.7	985.2	1068.4	1139.4	1208.1	1271.1	1331.7	1388.0	1434.8
0°	716.3	808.0	894.8	984.1	1067.5	1139.2	1208.1	1270.9	1331.6	1387.8	1434.3
-2.5°	715.6	807.5	894.1	983.4	1066.9	1138.8	1207.6	1270.6	1331.4	1387.6	1434.6
-5°	712.5	804.9	891.3	979.6	1064.2	1135.7	1204.3	1267.6	1328.4	1384.7	1432.4
-7.5°	706.9	800.2	886.2	973.0	1059.2	1130.3	1198.5	1261.8	1322.6	1379.0	1427.9
-10°	698.9	793.4	878.8	963.5	1051.5	1122.7	1189.9	1253.0	1313.9	1370.5	1421.0
-12.5°	689.7	784.3	868.4	951.4	1040.8	1112.7	1178.4	1241.6	1302.3	1359.0	1409.6
-15°	678.5	772.9	855.8	937.5	1027.7	1097.8	1165.1	1228.1	1286.5	1341.1	1390.2
-17.5°	665.3	759.1	841.1	920.8	1008.5	1080.2	1149.5	1209.8	1266.0	1319.1	1368.2
-20°	649.0	743.4	824.0	902.7	986.7	1061.2	1128.3	1187.2	1243.0	1295.9	1343.9



REPORT NUMBER: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-25W-7040

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	630.7	722.4	804.7	883.0	960.6	1036.2	1100.2	1160.9	1218.8	1270.5	1315.5
-25°	607.6	699.3	783.2	858.3	932.5	1007.2	1068.0	1132.9	1190.1	1241.2	1287.8
-27.5°	578.9	676.2	757.2	829.8	903.2	975.2	1038.1	1098.1	1156.1	1210.5	1255.2
-30°	549.4	649.4	727.9	797.8	872.1	942.2	1004.8	1058.5	1119.4	1172.2	1216.5
-32.5°	518.6	619.9	694.6	765.1	835.4	906.1	968.9	1021.9	1074.2	1129.8	1174.4
-35°	490.9	580.0	662.2	731.6	794.0	866.6	931.5	984.1	1031.4	1081.5	1128.5
-37.5°	459.0	541.9	627.8	693.2	754.7	819.3	888.5	945.2	990.1	1033.8	1078.7
-40°	425.2	505.5	585.0	655.8	715.1	770.5	837.0	898.0	946.9	988.4	1028.1
-42.5°	391.6	466.9	542.4	615.6	673.1	725.9	781.4	845.0	896.6	940.8	978.8
-45°	355.3	426.2	499.5	567.2	630.2	682.1	734.3	786.9	842.2	886.2	926.5
-47.5°	321.9	387.4	452.2	522.4	581.5	636.0	686.3	735.3	783.3	830.8	868.2
-50°	280.2	346.8	408.2	469.6	533.2	580.4	633.0	681.9	727.5	771.1	812.0
-52.5°	240.5	303.2	363.9	418.8	471.9	520.1	567.3	620.8	666.4	710.4	746.8
-55°	204.5	252.6	316.9	371.7	414.3	457.2	497.3	539.6	599.1	638.0	671.9
-57.5°	174.4	211.6	255.7	316.9	361.8	398.6	433.5	467.2	499.2	547.3	591.4
-60°	146.3	177.3	210.6	248.6	296.2	340.3	374.9	403.7	431.3	455.1	487.6
-62.5°	117.6	146.4	174.2	201.7	231.8	265.7	304.8	344.0	368.4	389.3	410.5
-65°	88.3	114.6	140.3	161.9	186.1	210.2	233.9	260.1	288.9	323.4	341.4
-67.5°	64.3	82.2	105.0	124.8	142.9	161.4	186.0	204.0	220.4	234.9	259.0
-70°	46.8	58.2	72.3	87.9	104.6	119.6	133.1	145.0	167.3	185.2	194.8
-72.5°	31.8	41.2	49.7	57.5	68.6	80.3	92.8	103.9	113.8	124.1	134.8
-75°	21.2	27.0	32.5	38.6	44.3	50.1	55.9	64.4	71.7	78.6	84.5
-77.5°	14.6	17.2	20.4	23.4	27.0	30.2	34.3	38.1	41.3	44.4	47.4
-80°	10.3	12.1	13.5	14.8	16.2	18.1	19.6	21.0	23.1	24.9	26.3
-82.5°	6.2	7.5	8.6	9.7	10.7	11.6	12.6	13.4	14.2	14.8	15.5
-85°	3.3	3.9	4.3	4.8	5.2	5.9	6.6	7.2	7.7	8.1	8.5
-87.5°	1.5	1.7	1.9	2.1	2.2	2.4	2.6	2.7	2.8	2.9	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: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-25W-7040

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	3.2	3.4	3.5	3.5	3.6	3.6	3.5	3.5	3.5	3.6
80°	8.2	8.9	9.4	10.0	10.4	10.9	11.3	11.5	11.7	11.9	12.1
77.5°	18.7	20.2	20.5	21.2	22.1	22.9	23.5	24.0	24.4	24.9	25.2
75°	37.9	37.2	35.4	36.0	38.8	42.2	46.7	51.6	55.0	54.9	53.3
72.5°	70.3	75.2	81.0	92.1	101.2	104.8	103.7	100.3	94.9	97.2	104.0
70°	147.3	154.4	164.9	176.4	186.2	191.4	194.9	197.2	200.3	205.5	212.1
67.5°	235.5	247.1	262.3	280.7	286.5	287.0	291.0	306.5	317.1	327.0	332.8
65°	323.0	337.0	367.4	404.7	418.5	429.8	438.6	444.9	448.6	453.9	462.1
62.5°	439.3	469.3	496.0	518.8	535.4	546.7	551.0	550.3	547.1	547.1	556.4
60°	551.2	587.8	612.0	625.4	630.1	643.7	669.2	689.3	699.8	703.8	711.8
57.5°	667.9	683.6	693.2	717.8	756.8	786.9	797.6	798.1	804.7	820.1	835.7
55°	743.6	777.0	819.8	856.2	883.0	896.3	915.4	937.8	956.0	972.8	981.9
52.5°	835.9	871.3	903.1	931.7	955.6	978.0	998.4	1017.6	1035.4	1050.1	1061.1
50°	902.8	941.1	976.5	1005.0	1024.0	1045.0	1068.7	1089.6	1107.4	1120.6	1131.4
47.5°	976.6	1021.1	1050.5	1073.3	1093.9	1118.9	1148.6	1171.9	1186.6	1196.6	1207.6
45°	1057.2	1088.5	1114.1	1140.8	1176.1	1212.8	1235.3	1252.3	1270.3	1289.6	1306.9
42.5°	1113.1	1144.5	1175.0	1213.2	1248.3	1275.2	1297.7	1319.8	1339.5	1356.8	1371.9
40°	1156.6	1194.0	1233.2	1268.1	1296.5	1322.8	1344.4	1370.1	1391.5	1406.8	1418.8
37.5°	1200.8	1242.7	1279.3	1309.6	1337.8	1368.7	1398.6	1419.5	1439.3	1456.6	1471.8
35°	1242.9	1283.0	1315.8	1349.8	1384.6	1413.2	1442.1	1464.1	1484.3	1502.2	1514.8
32.5°	1280.3	1318.1	1354.5	1389.3	1424.3	1454.1	1481.4	1504.7	1524.8	1542.1	1557.2
30°	1313.5	1352.3	1389.4	1427.2	1460.8	1493.8	1518.6	1544.4	1566.6	1583.3	1597.2
27.5°	1343.7	1383.5	1423.7	1459.8	1497.1	1524.8	1555.3	1579.8	1602.0	1617.7	1634.2
25°	1370.8	1413.2	1451.3	1488.5	1522.7	1557.6	1584.4	1609.3	1632.9	1651.3	1665.3
22.5°	1394.7	1437.3	1473.4	1510.8	1548.0	1581.2	1610.7	1635.3	1657.7	1677.1	1691.8
20°	1415.6	1454.9	1493.1	1531.4	1568.1	1601.0	1631.0	1657.2	1680.5	1698.3	1713.8
17.5°	1431.5	1471.0	1510.1	1549.0	1584.0	1618.2	1649.4	1676.8	1700.4	1717.6	1731.5
15°	1444.6	1485.4	1524.4	1564.2	1598.2	1634.7	1666.0	1693.5	1715.9	1734.3	1747.0
12.5°	1455.7	1496.3	1538.1	1575.7	1614.5	1648.1	1678.6	1707.1	1729.8	1746.8	1763.5
10°	1464.8	1504.7	1548.0	1588.8	1625.1	1658.8	1690.1	1716.7	1737.4	1759.6	1772.9
7.5°	1472.6	1513.3	1555.8	1597.9	1635.0	1666.3	1697.6	1725.7	1747.6	1767.4	1782.1
5°	1478.1	1520.5	1562.0	1603.6	1639.6	1672.8	1702.0	1730.9	1751.3	1769.9	1785.1
2.5°	1481.2	1525.0	1565.4	1606.2	1642.1	1676.6	1706.5	1732.9	1754.9	1772.6	1788.8
0°	1481.8	1526.3	1565.9	1606.2	1642.1	1676.4	1706.1	1733.0	1757.0	1776.4	1791.6
-2.5°	1480.9	1524.9	1565.5	1604.6	1641.4	1675.3	1704.7	1731.4	1754.0	1772.3	1789.4
-5°	1477.3	1520.7	1561.7	1599.6	1637.5	1670.3	1699.5	1726.4	1747.9	1766.2	1782.7
-7.5°	1471.2	1513.4	1554.6	1592.5	1630.6	1661.7	1692.8	1719.8	1741.1	1758.3	1773.8
-10°	1462.8	1502.7	1543.6	1582.8	1618.5	1650.6	1683.2	1709.6	1729.4	1746.0	1761.5
-12.5°	1449.7	1487.7	1528.4	1567.9	1602.7	1637.3	1667.7	1692.9	1713.7	1728.7	1743.4
-15°	1432.8	1469.7	1509.1	1549.2	1585.6	1617.9	1645.6	1672.3	1694.2	1709.5	1722.6
-17.5°	1412.9	1449.3	1485.9	1525.8	1561.5	1593.1	1622.3	1647.4	1667.8	1684.0	1696.0
-20°	1388.3	1426.6	1460.8	1497.4	1533.6	1565.7	1593.4	1618.1	1639.1	1654.3	1668.3



REPORT NUMBER: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-25W-7040

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1359.8	1400.5	1434.6	1467.7	1501.0	1533.5	1561.8	1585.0	1604.6	1622.5	1637.3
-25°	1328.5	1367.9	1405.1	1437.5	1468.1	1497.0	1525.1	1548.7	1567.0	1586.1	1602.1
-27.5°	1291.8	1330.2	1368.4	1403.1	1433.4	1461.1	1487.8	1510.7	1527.9	1547.2	1561.9
-30°	1254.4	1288.6	1325.0	1361.1	1393.0	1419.8	1445.0	1469.8	1489.5	1504.3	1518.4
-32.5°	1212.1	1245.7	1278.1	1311.7	1345.5	1373.7	1397.2	1418.6	1439.0	1455.1	1466.4
-35°	1167.0	1200.0	1229.6	1262.6	1293.2	1322.8	1345.9	1366.3	1385.1	1400.2	1411.7
-37.5°	1118.9	1151.6	1183.0	1212.6	1241.4	1269.2	1292.0	1313.3	1330.5	1346.9	1358.8
-40°	1067.0	1102.2	1133.0	1162.7	1189.3	1211.9	1235.9	1257.1	1273.5	1287.5	1298.6
-42.5°	1014.3	1048.3	1080.0	1108.2	1134.0	1157.6	1179.1	1197.1	1214.0	1228.3	1238.9
-45°	961.5	993.4	1023.3	1050.6	1074.1	1097.1	1119.8	1138.9	1154.9	1167.2	1177.5
-47.5°	903.2	936.7	965.2	991.0	1014.6	1035.9	1057.3	1076.5	1094.2	1107.7	1117.5
-50°	843.4	872.4	902.5	929.3	951.7	972.7	993.1	1011.7	1028.2	1042.8	1053.3
-52.5°	781.2	811.6	835.6	859.0	882.3	905.2	924.8	941.5	956.6	969.1	979.3
-55°	694.7	727.9	765.3	792.9	811.3	825.4	845.7	866.3	880.5	891.9	901.5
-57.5°	611.8	630.9	648.2	675.7	710.4	733.0	741.8	746.0	756.1	772.1	786.5
-60°	522.3	552.2	564.8	573.6	587.3	607.3	623.6	639.6	647.1	649.8	658.1
-62.5°	434.6	461.1	483.2	498.6	513.2	529.3	541.4	552.0	561.0	568.7	575.8
-65°	355.7	368.6	387.1	408.1	424.9	435.8	440.1	444.3	450.6	464.1	475.0
-67.5°	282.5	299.1	309.1	317.7	329.7	339.8	348.6	355.8	358.9	362.3	367.7
-70°	203.7	211.6	224.6	243.5	255.8	258.6	260.2	261.7	269.1	277.6	283.4
-72.5°	148.1	160.8	169.8	173.1	175.3	178.7	184.6	191.2	198.1	202.0	202.9
-75°	90.9	98.3	105.8	112.3	117.2	120.8	123.1	124.2	124.1	126.1	128.1
-77.5°	50.9	53.8	55.8	57.4	59.5	61.1	62.2	62.8	63.6	66.3	68.5
-80°	27.7	28.7	29.1	30.0	31.0	32.3	33.0	33.2	33.0	33.3	33.6
-82.5°	16.2	17.0	17.7	18.2	18.7	19.1	19.4	19.8	20.0	20.3	20.4
-85°	8.9	9.3	9.7	9.9	10.1	10.2	10.4	10.5	10.6	10.7	10.8
-87.5°	3.0	3.1	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.5
-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: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-25W-7040

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°	3.6	3.6	3.5	3.5	3.5	3.5	3.4	3.3	3.2	3.1	3.1
80°	12.1	12.1	12.1	11.9	11.9	11.9	11.8	11.6	11.3	11.0	10.7
77.5°	25.4	25.5	25.4	25.2	25.2	25.2	25.0	24.6	24.1	23.5	23.0
75°	50.8	47.7	44.1	40.1	42.8	45.2	47.2	48.7	49.5	49.6	49.0
72.5°	108.4	110.8	111.3	110.3	110.9	110.0	107.3	102.6	95.6	91.5	93.5
70°	217.4	221.2	223.2	223.0	222.6	219.7	214.6	207.2	197.6	188.4	180.8
67.5°	335.4	335.9	334.1	329.9	333.6	335.0	334.0	331.0	324.5	311.9	298.8
65°	468.0	471.6	472.6	470.9	471.7	469.8	465.4	458.8	450.0	442.1	434.3
62.5°	569.0	573.3	571.1	564.4	569.3	569.5	563.1	548.1	537.5	538.0	541.8
60°	718.1	722.5	724.9	725.2	724.1	720.8	715.6	708.5	699.5	692.3	680.1
57.5°	842.9	846.0	844.3	837.0	842.1	841.3	835.2	824.8	809.3	796.4	789.9
55°	989.8	996.2	1000.4	1001.9	1000.3	995.7	988.8	979.8	969.1	949.8	929.7
52.5°	1069.3	1074.9	1078.1	1078.8	1077.1	1073.0	1066.5	1057.3	1045.2	1030.3	1013.1
50°	1140.7	1147.4	1151.5	1152.9	1151.2	1146.9	1140.0	1130.4	1118.3	1102.7	1084.0
47.5°	1219.2	1227.6	1231.4	1231.2	1230.7	1226.2	1217.1	1204.5	1192.4	1181.8	1165.5
45°	1317.4	1325.7	1330.9	1332.2	1330.3	1324.7	1316.2	1305.7	1287.3	1267.7	1248.6
42.5°	1381.9	1388.7	1393.3	1395.7	1392.8	1387.6	1380.1	1370.0	1354.9	1335.8	1314.2
40°	1428.5	1435.3	1439.4	1440.9	1439.2	1434.8	1427.5	1417.0	1404.3	1387.1	1365.4
37.5°	1482.6	1490.2	1494.9	1497.0	1495.2	1491.1	1484.3	1472.9	1455.7	1435.1	1417.9
35°	1524.9	1533.1	1539.1	1542.7	1539.6	1534.2	1526.5	1515.9	1501.3	1483.2	1461.7
32.5°	1568.8	1577.3	1582.8	1585.7	1582.6	1576.9	1568.5	1557.1	1541.2	1524.1	1504.2
30°	1609.2	1616.8	1621.8	1624.0	1622.6	1617.8	1609.0	1596.3	1581.2	1564.6	1540.6
27.5°	1646.6	1654.9	1658.9	1660.4	1658.7	1654.6	1646.0	1633.8	1619.5	1601.4	1576.2
25°	1676.1	1685.3	1690.8	1693.1	1691.0	1686.5	1678.6	1665.1	1648.7	1631.6	1608.5
22.5°	1703.8	1712.7	1717.8	1720.5	1718.6	1714.3	1704.1	1692.0	1676.8	1656.8	1632.9
20°	1726.3	1735.6	1738.1	1738.8	1737.8	1735.3	1726.9	1713.7	1697.0	1677.0	1655.0
17.5°	1741.8	1751.9	1756.1	1757.8	1756.4	1752.8	1745.1	1732.3	1716.6	1694.7	1671.0
15°	1758.6	1768.2	1774.9	1775.9	1774.0	1769.5	1762.1	1748.1	1732.4	1713.8	1688.0
12.5°	1774.4	1782.5	1787.9	1789.5	1788.1	1783.2	1776.7	1764.2	1744.0	1726.1	1702.9
10°	1785.7	1794.9	1800.4	1800.5	1798.4	1795.3	1787.6	1775.3	1758.7	1735.8	1714.5
7.5°	1795.6	1805.3	1810.5	1810.6	1807.1	1803.7	1795.2	1783.7	1767.3	1746.7	1721.6
5°	1797.8	1807.9	1813.5	1813.2	1812.8	1809.9	1798.9	1788.3	1772.3	1751.3	1727.0
2.5°	1799.9	1807.7	1814.0	1817.8	1816.5	1810.2	1801.5	1789.7	1774.4	1755.9	1730.0
0°	1802.9	1811.1	1818.0	1817.5	1815.9	1809.6	1801.0	1790.9	1774.1	1758.0	1729.8
-2.5°	1799.9	1807.8	1813.2	1811.4	1808.3	1805.6	1798.3	1784.9	1768.5	1751.1	1725.7
-5°	1795.6	1804.8	1806.9	1805.3	1804.8	1800.0	1793.5	1779.8	1763.4	1742.7	1719.7
-7.5°	1786.5	1794.8	1799.7	1797.0	1798.3	1793.7	1786.5	1771.9	1755.7	1735.0	1714.5
-10°	1773.6	1782.8	1787.1	1786.4	1786.5	1782.5	1772.8	1759.7	1743.9	1724.8	1703.3
-12.5°	1755.6	1764.0	1769.2	1770.9	1768.5	1764.6	1758.7	1743.5	1729.6	1709.7	1684.3
-15°	1733.4	1742.9	1748.1	1749.2	1747.1	1742.6	1734.4	1723.4	1708.2	1687.0	1663.6
-17.5°	1709.6	1719.9	1722.8	1722.3	1720.7	1717.1	1710.3	1699.5	1680.7	1662.6	1640.2
-20°	1681.4	1690.8	1694.8	1695.9	1693.6	1689.5	1681.7	1668.3	1654.0	1632.6	1610.7



REPORT NUMBER: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-25W-7040

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1650.2	1659.0	1662.5	1662.9	1662.3	1657.7	1650.4	1635.7	1618.1	1600.4	1580.5
-25°	1613.2	1620.5	1624.0	1624.0	1623.2	1619.1	1611.3	1596.9	1582.2	1566.3	1545.0
-27.5°	1574.4	1582.6	1586.7	1587.0	1584.6	1579.3	1570.8	1560.4	1547.2	1527.5	1506.5
-30°	1531.4	1539.1	1543.0	1543.0	1542.8	1539.2	1532.2	1518.3	1501.8	1484.3	1464.4
-32.5°	1475.0	1482.6	1486.8	1486.9	1486.8	1482.6	1474.8	1464.7	1451.2	1431.8	1408.8
-35°	1421.6	1429.7	1434.4	1435.4	1433.6	1428.2	1419.1	1408.0	1395.6	1378.6	1358.3
-37.5°	1367.6	1375.1	1379.8	1381.3	1379.6	1374.8	1367.1	1356.2	1342.4	1325.6	1307.7
-40°	1309.0	1316.7	1321.5	1323.1	1320.8	1315.4	1306.8	1295.2	1282.5	1267.6	1251.4
-42.5°	1248.7	1255.8	1260.1	1261.5	1258.9	1253.4	1245.3	1234.7	1223.7	1209.8	1192.8
-45°	1187.5	1195.0	1199.7	1201.6	1199.4	1194.5	1187.4	1178.3	1165.5	1149.8	1132.8
-47.5°	1125.5	1131.5	1135.1	1136.1	1134.0	1129.3	1122.2	1112.1	1099.9	1086.3	1070.7
-50°	1060.6	1065.4	1067.9	1067.8	1066.4	1062.4	1056.0	1047.0	1035.5	1021.8	1006.1
-52.5°	987.0	992.1	994.6	994.6	993.3	989.6	983.4	974.8	964.1	952.3	937.4
-55°	909.1	914.4	917.3	917.8	916.2	912.1	905.3	895.9	884.1	872.8	858.2
-57.5°	793.5	797.2	797.1	792.4	795.7	794.5	789.9	782.3	766.4	749.0	737.1
-60°	664.2	668.2	670.0	669.6	668.6	665.6	660.6	653.8	645.2	641.7	633.5
-62.5°	581.1	584.4	586.0	585.7	585.0	582.5	578.1	571.6	563.7	556.2	547.5
-65°	480.9	482.3	479.9	474.2	478.9	480.4	478.1	471.5	459.8	445.9	439.7
-67.5°	371.8	374.6	376.0	376.0	375.8	374.2	371.2	366.9	361.2	355.9	350.4
-70°	285.6	284.9	281.7	276.7	280.8	283.1	283.2	280.4	274.3	265.6	258.2
-72.5°	203.8	204.2	204.0	202.8	203.7	203.6	202.9	201.9	200.9	196.4	188.1
-75°	129.3	129.9	129.8	129.0	129.1	128.5	127.3	125.4	122.8	120.1	118.7
-77.5°	70.1	71.0	71.2	70.8	70.8	70.2	68.9	67.0	64.5	61.5	60.2
-80°	33.8	33.8	33.7	33.5	33.5	33.4	33.1	32.8	32.3	31.7	31.2
-82.5°	20.5	20.6	20.6	20.5	20.4	20.3	20.2	20.0	19.7	19.3	18.9
-85°	10.9	10.9	10.9	10.9	10.9	10.8	10.7	10.6	10.5	10.3	10.0
-87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	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: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-25W-7040

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°	3.1	3.1	3.0	3.0	2.9	2.7	2.5	2.3	2.0	1.7	1.3
80°	10.4	9.9	9.3	8.8	8.2	7.6	7.0	6.4	6.0	5.6	5.1
77.5°	22.4	21.6	20.7	19.7	18.8	18.2	16.7	14.9	13.6	12.2	10.8
75°	48.0	46.5	44.6	42.2	39.6	37.0	34.4	32.3	30.4	27.4	23.7
72.5°	94.8	95.4	93.1	85.8	75.8	72.5	68.2	61.8	55.4	48.9	45.1
70°	179.8	179.1	177.2	164.6	149.1	139.7	133.3	121.5	106.9	93.1	77.5
67.5°	283.2	280.0	279.1	269.7	244.1	226.5	215.1	196.2	176.3	159.2	139.2
65°	424.4	412.6	399.0	383.6	353.6	326.6	309.2	284.9	264.7	234.6	207.7
62.5°	539.1	526.4	507.5	488.8	469.3	448.3	420.8	384.8	348.8	313.3	294.2
60°	662.1	635.5	620.2	613.2	590.8	557.9	522.0	491.2	456.6	412.4	368.4
57.5°	785.9	770.2	734.8	703.6	684.0	670.0	646.3	607.5	554.6	508.0	460.3
55°	905.9	886.8	872.2	841.2	800.2	757.7	731.8	709.6	669.5	611.5	542.1
52.5°	992.7	969.6	945.7	921.4	893.5	860.3	817.9	783.8	750.5	703.7	642.4
50°	1062.9	1039.5	1017.5	995.2	964.2	928.1	892.6	853.6	811.1	771.2	724.1
47.5°	1140.9	1111.3	1087.0	1065.7	1042.4	1009.3	961.9	916.2	873.8	825.8	782.5
45°	1229.8	1205.0	1166.2	1132.3	1105.7	1079.2	1046.0	988.2	934.8	884.5	832.0
42.5°	1291.6	1272.0	1241.4	1204.9	1167.0	1135.7	1102.8	1056.5	1000.2	944.4	886.0
40°	1339.9	1315.7	1288.8	1260.5	1224.2	1186.8	1147.8	1104.9	1055.4	999.7	943.9
37.5°	1392.7	1363.0	1331.8	1301.9	1270.1	1232.7	1191.1	1147.1	1099.4	1045.6	990.8
35°	1436.7	1411.6	1379.1	1343.8	1308.1	1274.1	1233.3	1187.7	1138.6	1086.5	1028.6
32.5°	1478.4	1450.0	1419.9	1386.2	1348.9	1309.6	1271.6	1226.0	1176.7	1121.3	1063.6
30°	1517.6	1489.9	1456.3	1422.2	1385.5	1346.5	1303.8	1261.9	1210.7	1155.5	1093.9
27.5°	1551.1	1523.9	1493.6	1454.3	1416.7	1378.0	1337.1	1290.8	1242.8	1184.3	1121.2
25°	1580.9	1553.5	1521.2	1485.0	1444.2	1404.4	1365.2	1320.2	1267.8	1210.0	1149.6
22.5°	1608.6	1577.6	1544.5	1509.5	1470.5	1428.6	1385.1	1342.0	1289.2	1235.1	1171.9
20°	1629.1	1599.7	1564.9	1528.7	1489.6	1449.1	1405.9	1360.6	1310.1	1253.6	1190.9
17.5°	1646.7	1617.0	1583.5	1545.2	1508.5	1466.8	1423.2	1375.8	1327.3	1270.2	1208.4
15°	1660.2	1631.3	1599.2	1563.2	1523.3	1482.4	1437.7	1391.1	1340.6	1284.2	1224.2
12.5°	1674.8	1644.5	1611.9	1575.1	1536.1	1495.3	1450.5	1402.9	1351.5	1295.9	1235.9
10°	1686.5	1656.0	1622.3	1586.9	1546.4	1503.5	1459.2	1412.7	1361.7	1306.7	1246.1
7.5°	1695.1	1664.5	1630.7	1594.2	1553.7	1511.4	1467.5	1420.1	1369.8	1314.5	1253.5
5°	1701.1	1669.5	1636.6	1599.6	1558.8	1515.9	1472.7	1425.2	1374.9	1319.2	1258.1
2.5°	1703.6	1671.8	1638.3	1602.4	1561.5	1517.7	1474.3	1427.6	1377.1	1321.4	1259.8
0°	1701.8	1670.7	1636.2	1602.1	1561.3	1516.5	1472.8	1427.2	1376.5	1320.8	1258.7
-2.5°	1700.9	1669.4	1634.5	1600.4	1560.0	1515.4	1472.3	1426.2	1375.3	1320.3	1259.0
-5°	1695.7	1664.4	1628.9	1596.9	1555.4	1511.1	1469.0	1422.4	1371.5	1317.2	1256.4
-7.5°	1686.6	1654.9	1619.0	1589.7	1547.9	1504.5	1462.8	1415.9	1365.3	1311.7	1250.8
-10°	1673.5	1643.4	1609.9	1577.6	1537.0	1495.7	1453.6	1406.9	1356.8	1302.6	1242.2
-12.5°	1658.0	1628.3	1598.7	1561.6	1521.9	1482.0	1439.8	1393.8	1345.0	1290.1	1231.0
-15°	1638.1	1611.4	1580.0	1544.2	1504.8	1463.9	1421.3	1374.9	1328.5	1276.5	1218.3
-17.5°	1614.0	1588.2	1555.5	1521.1	1484.2	1442.5	1399.9	1356.0	1309.8	1256.3	1195.4
-20°	1588.5	1558.5	1528.4	1495.9	1457.2	1417.7	1375.9	1331.1	1284.3	1232.3	1171.8



REPORT NUMBER: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-25W-7040

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1554.6	1527.7	1497.5	1465.3	1428.0	1389.1	1350.5	1306.5	1258.7	1204.8	1148.7
-25°	1520.7	1492.3	1465.7	1430.9	1396.1	1359.4	1316.5	1276.3	1229.6	1173.5	1119.8
-27.5°	1483.0	1457.8	1426.2	1395.4	1361.6	1321.6	1283.0	1242.2	1193.4	1144.3	1081.9
-30°	1437.7	1412.0	1385.5	1356.6	1318.5	1280.3	1243.2	1202.4	1157.9	1107.0	1044.6
-32.5°	1388.5	1365.9	1341.2	1306.6	1269.7	1236.9	1200.6	1159.5	1118.0	1061.8	1006.3
-35°	1339.3	1317.1	1287.6	1255.4	1222.2	1190.0	1154.0	1116.5	1068.8	1018.1	965.4
-37.5°	1285.4	1262.4	1235.1	1205.1	1174.7	1140.1	1106.6	1065.8	1021.8	974.4	927.0
-40°	1228.9	1205.8	1181.4	1155.0	1122.3	1089.3	1054.4	1016.8	974.8	930.2	881.3
-42.5°	1173.1	1150.8	1125.4	1098.4	1069.3	1037.5	1003.8	967.0	926.0	882.5	824.4
-45°	1112.5	1089.8	1067.6	1041.9	1015.1	984.5	951.6	912.8	873.5	823.8	775.5
-47.5°	1051.5	1030.2	1008.9	984.7	958.3	928.1	892.1	856.8	813.8	771.3	722.3
-50°	988.3	968.8	947.9	924.2	894.6	863.3	831.7	797.1	758.6	715.0	664.8
-52.5°	920.9	901.5	877.0	851.1	825.7	797.3	767.9	734.5	697.3	650.3	607.7
-55°	838.2	818.4	800.5	779.3	751.6	715.5	684.5	655.6	625.4	586.1	528.7
-57.5°	731.0	720.9	698.0	665.6	639.8	620.2	601.8	579.9	534.8	487.9	454.0
-60°	617.7	601.8	583.0	568.3	557.6	543.1	512.2	477.3	444.7	420.8	394.4
-62.5°	536.5	523.7	507.0	491.8	475.3	452.3	422.9	400.5	381.7	361.6	332.5
-65°	435.5	430.7	415.7	393.0	375.1	359.4	347.8	333.5	312.4	270.7	245.5
-67.5°	341.6	332.0	321.3	309.2	301.4	289.9	268.0	244.3	224.8	211.3	192.8
-70°	255.4	251.2	244.8	233.0	216.9	205.0	196.6	185.1	169.6	154.4	139.0
-72.5°	180.4	173.6	168.5	162.7	155.0	146.5	137.1	126.7	115.1	102.4	88.8
-75°	116.4	113.2	109.1	103.9	97.6	90.2	81.8	73.6	67.4	61.3	54.8
-77.5°	58.9	56.9	54.2	50.7	48.0	45.5	42.4	39.3	36.7	33.2	29.7
-80°	30.5	29.6	28.4	27.3	26.3	25.3	23.8	22.1	20.6	19.0	17.3
-82.5°	18.4	17.9	17.4	16.9	16.3	15.5	14.6	13.8	12.9	12.0	11.0
-85°	9.7	9.4	9.0	8.6	8.2	7.7	7.2	6.7	6.2	5.8	5.4
-87.5°	3.4	3.3	3.1	3.0	2.9	2.8	2.6	2.4	2.3	2.2	2.0
-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: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: LSF65-XX-PC-25W-7040

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	1.0	0.8	0.5	0.5	0.4	0.4	0.4	0.4	0.3
80°	4.6	4.0	3.5	3.0	2.6	2.2	1.6	1.0	0.7	0.6	0.5
77.5°	9.4	8.0	7.0	5.8	5.0	4.3	3.6	2.9	2.1	1.2	0.7
75°	19.7	17.0	13.3	10.9	8.9	7.2	5.6	4.8	3.9	2.8	1.8
72.5°	40.1	35.0	29.3	23.3	17.0	12.1	9.3	7.2	5.6	4.4	3.2
70°	68.4	59.1	48.5	41.3	33.7	24.9	15.1	11.1	8.2	6.0	4.6
67.5°	118.9	98.4	82.0	66.9	51.0	40.8	29.8	18.5	11.9	8.4	6.0
65°	180.9	154.7	129.0	103.0	83.3	61.1	45.4	31.9	18.8	11.6	7.9
62.5°	254.2	217.4	183.8	152.5	121.4	93.4	67.2	46.7	30.9	16.2	10.3
60°	330.6	296.8	248.3	204.9	167.0	130.2	97.2	67.2	43.1	26.8	13.5
57.5°	410.1	363.6	325.6	269.5	215.1	171.2	130.9	93.9	61.6	37.4	19.6
55°	494.7	437.3	387.2	340.7	272.2	214.6	167.2	123.7	84.2	50.8	28.7
52.5°	570.6	515.1	451.6	394.9	334.5	262.7	204.7	155.4	109.6	68.3	37.7
50°	660.3	583.3	522.5	448.7	382.7	315.9	244.9	186.7	136.5	88.4	48.0
47.5°	731.3	663.5	581.0	507.4	431.0	360.9	285.8	220.5	163.2	110.2	62.6
45°	785.1	728.7	646.8	557.7	479.6	403.1	330.6	253.6	189.2	132.3	77.6
42.5°	830.2	777.2	706.1	612.6	527.0	444.3	365.8	285.4	216.8	153.1	92.8
40°	875.8	816.3	751.1	671.3	569.9	485.4	401.4	321.6	244.9	172.9	109.0
37.5°	929.0	851.6	789.6	712.9	619.2	522.3	435.5	351.0	266.4	192.0	125.1
35°	967.7	893.8	820.0	751.1	663.4	556.0	468.0	378.8	290.0	211.8	140.4
32.5°	1000.8	931.2	851.0	782.4	696.9	598.3	498.4	405.9	315.5	231.8	154.9
30°	1032.7	959.5	884.4	807.0	729.0	632.3	522.8	431.3	337.2	248.9	168.4
27.5°	1060.6	990.3	911.7	831.9	756.0	660.3	548.6	455.0	356.4	263.2	181.3
25°	1083.6	1018.7	933.7	855.9	778.1	685.3	578.6	476.8	375.2	276.8	193.1
22.5°	1103.1	1040.9	955.4	876.3	796.0	709.4	603.4	496.8	392.8	292.4	204.6
20°	1122.9	1057.2	981.8	893.8	813.2	730.4	625.2	511.9	408.8	306.0	215.6
17.5°	1143.2	1072.7	1002.0	909.3	828.9	746.1	644.1	525.0	422.8	317.7	225.3
15°	1157.4	1085.7	1019.1	922.7	841.7	759.6	658.2	537.3	435.1	327.3	233.7
12.5°	1169.8	1095.8	1029.7	934.4	852.2	769.5	670.0	549.0	445.4	335.3	240.2
10°	1179.1	1106.1	1039.3	945.2	860.2	776.5	679.4	557.6	453.7	341.7	244.9
7.5°	1185.8	1113.9	1046.6	952.1	865.8	781.6	686.2	563.3	460.1	346.4	248.4
5°	1189.9	1118.1	1050.9	955.6	869.0	784.7	690.5	566.4	464.4	349.6	250.8
2.5°	1191.2	1119.2	1052.9	955.8	870.0	785.8	692.3	567.0	466.7	351.1	252.0
0°	1189.7	1117.5	1052.6	953.1	868.7	784.9	691.7	565.4	466.9	350.9	252.2
-2.5°	1190.0	1118.5	1051.6	953.6	869.0	784.8	691.9	567.1	467.2	351.3	252.7
-5°	1187.5	1116.6	1048.4	951.5	867.1	782.6	689.9	566.5	465.5	350.1	252.0
-7.5°	1181.7	1111.7	1043.0	946.8	862.7	778.4	685.7	563.6	461.9	347.2	250.1
-10°	1174.1	1103.3	1033.6	939.2	855.8	772.2	679.4	558.0	456.4	342.7	247.0
-12.5°	1164.6	1092.0	1020.1	928.9	846.2	763.9	670.5	549.5	449.0	336.8	242.5
-15°	1152.2	1078.5	1004.0	916.9	834.1	753.1	659.4	538.0	439.1	329.2	236.5
-17.5°	1136.4	1062.5	985.0	902.9	819.8	739.2	646.4	526.2	427.2	320.3	229.2
-20°	1110.0	1043.9	964.4	885.9	803.8	723.5	627.5	513.7	413.2	310.1	220.9



REPORT NUMBER: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-25W-7040

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1081.2	1016.5	939.5	866.0	785.9	705.6	604.7	499.5	396.9	298.5	211.5
-25°	1052.2	985.9	914.6	838.8	766.1	685.8	579.5	482.1	378.5	285.6	201.2
-27.5°	1021.7	954.3	886.6	810.5	740.2	663.2	549.9	463.5	359.4	271.5	190.1
-30°	985.3	923.1	852.1	781.5	711.8	632.3	525.3	439.4	341.4	255.6	177.9
-32.5°	948.9	889.1	814.8	749.7	681.1	596.2	502.6	413.0	322.1	239.1	164.9
-35°	913.6	844.7	779.9	715.3	648.6	555.2	476.0	383.6	301.7	222.7	150.9
-37.5°	867.8	800.6	740.4	678.7	609.0	523.5	443.5	356.4	278.9	205.3	137.4
-40°	814.6	758.1	699.7	641.7	565.5	489.5	408.3	330.0	253.3	186.8	125.4
-42.5°	770.4	711.7	658.0	598.7	526.7	450.1	372.9	301.1	230.6	167.4	112.8
-45°	721.0	666.0	615.8	553.5	481.9	410.1	340.3	268.2	206.7	147.0	99.8
-47.5°	670.1	621.9	571.1	507.3	435.5	371.0	303.6	236.8	181.8	131.3	86.4
-50°	619.4	569.6	520.3	450.3	393.0	330.5	263.0	207.8	156.6	114.2	72.5
-52.5°	556.4	507.7	452.0	404.6	348.7	284.3	226.6	178.8	134.4	96.3	60.4
-55°	484.3	440.5	401.5	356.7	295.8	238.4	193.2	150.2	113.1	78.5	48.6
-57.5°	420.7	387.8	347.5	295.1	242.2	199.9	161.4	125.0	91.4	62.3	37.9
-60°	365.0	324.8	277.1	236.1	199.1	165.1	131.3	99.1	71.5	47.6	28.5
-62.5°	285.7	251.3	220.4	190.0	162.0	131.4	101.4	76.5	53.9	34.9	20.6
-65°	223.2	199.1	173.2	150.2	124.6	97.2	76.2	56.2	39.0	25.1	17.2
-67.5°	170.4	151.2	130.7	108.8	87.4	71.4	53.9	39.4	27.1	18.7	13.9
-70°	122.7	105.2	86.9	74.9	61.9	48.0	36.5	26.5	19.2	14.5	10.5
-72.5°	77.6	68.7	58.6	47.9	39.8	31.7	23.4	18.0	14.2	10.8	7.3
-75°	47.2	41.0	34.9	29.7	24.2	19.6	15.5	13.0	10.2	7.3	5.2
-77.5°	26.6	23.0	20.5	17.4	15.1	13.2	11.1	8.9	6.7	5.0	3.7
-80°	16.0	14.6	13.3	11.8	10.3	8.8	7.0	5.4	4.2	3.3	2.5
-82.5°	10.0	9.0	7.9	6.7	5.6	4.8	4.0	3.3	2.7	2.1	1.6
-85°	4.8	4.3	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.2	1.0
-87.5°	1.9	1.7	1.5	1.4	1.2	1.1	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

Classified

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

Scaled Data Report



REPORT NUMBER: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-25W-7040

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°	1.9	0.9	0.6	0.5	0.3	0.2	0.0
70°	3.1	1.5	0.8	0.5	0.4	0.2	0.0
67.5°	4.3	2.6	1.1	0.6	0.4	0.2	0.0
65°	5.5	3.6	1.6	0.8	0.5	0.2	0.0
62.5°	6.8	4.6	2.4	1.0	0.5	0.2	0.0
60°	8.6	5.6	3.2	1.1	0.6	0.3	0.0
57.5°	10.6	6.6	3.9	1.3	0.6	0.3	0.0
55°	14.0	7.8	4.6	1.9	0.7	0.3	0.0
52.5°	18.1	9.4	5.4	2.4	0.7	0.3	0.0
50°	25.5	10.9	6.2	3.0	0.9	0.4	0.0
47.5°	32.6	14.2	7.0	3.5	1.0	0.4	0.0
45°	39.5	17.6	7.9	3.9	1.1	0.4	0.0
42.5°	46.1	21.9	8.9	4.4	1.2	0.4	0.0
40°	56.9	27.1	9.9	4.9	1.3	0.5	0.0
37.5°	67.1	32.1	10.9	5.3	1.4	0.5	0.0
35°	77.6	36.8	13.0	5.8	1.7	0.5	0.0
32.5°	88.0	41.2	15.5	6.2	1.9	0.5	0.0
30°	97.8	45.4	18.0	6.7	2.1	0.5	0.0
27.5°	107.8	49.9	20.4	7.1	2.4	0.5	0.0
25°	117.1	55.8	22.9	7.5	2.6	0.6	0.0
22.5°	125.4	61.2	25.5	7.9	2.7	0.6	0.0
20°	133.0	66.1	27.9	8.3	2.9	0.6	0.0
17.5°	140.1	70.3	30.0	8.7	3.1	0.6	0.0
15°	146.2	74.4	31.9	9.0	3.2	0.6	0.0
12.5°	151.3	78.1	33.6	9.3	3.3	0.6	0.0
10°	155.5	81.2	35.0	9.5	3.4	0.6	0.0
7.5°	158.7	83.7	36.1	9.7	3.5	0.6	0.0
5°	160.9	85.5	37.0	9.9	3.5	0.6	0.0
2.5°	162.2	86.6	37.6	10.0	3.6	0.6	0.0
0°	162.5	87.0	38.0	10.0	3.6	0.6	0.0
-2.5°	162.9	87.5	38.2	10.2	3.6	0.7	0.0
-5°	162.4	87.4	38.2	10.3	3.6	0.7	0.0
-7.5°	160.8	86.6	37.9	10.4	3.6	0.7	0.0
-10°	158.3	85.1	37.3	10.4	3.6	0.7	0.0
-12.5°	154.8	83.0	36.5	10.3	3.5	0.7	0.0
-15°	150.3	80.3	35.4	10.2	3.5	0.7	0.0
-17.5°	144.8	77.3	33.9	10.0	3.4	0.7	0.0
-20°	138.3	73.9	32.2	9.8	3.3	0.7	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P622916 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: LSF65-XX-PC-25W-7040

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	132.0	70.0	30.2	9.6	3.1	0.7	0.0
-25°	125.4	65.5	27.9	9.3	3.0	0.6	0.0
-27.5°	118.1	60.4	25.5	8.9	2.8	0.6	0.0
-30°	110.2	56.2	23.0	8.5	2.7	0.6	0.0
-32.5°	102.0	52.1	20.3	8.1	2.5	0.6	0.0
-35°	93.1	47.4	17.4	7.6	2.2	0.6	0.0
-37.5°	83.9	42.5	15.0	7.0	2.0	0.6	0.0
-40°	74.6	37.6	14.1	6.5	1.9	0.5	0.0
-42.5°	64.6	32.2	13.1	6.0	1.8	0.5	0.0
-45°	56.8	27.1	12.1	5.4	1.7	0.5	0.0
-47.5°	48.4	22.3	11.0	4.7	1.5	0.5	0.0
-50°	40.5	17.3	9.9	4.2	1.4	0.5	0.0
-52.5°	32.3	15.7	8.6	3.7	1.2	0.4	0.0
-55°	25.7	14.0	7.5	3.2	1.1	0.4	0.0
-57.5°	19.1	12.2	6.3	2.6	1.1	0.4	0.0
-60°	16.8	10.3	5.0	2.3	1.0	0.3	0.0
-62.5°	14.3	8.4	4.2	2.0	0.9	0.3	0.0
-65°	11.6	6.5	3.4	1.7	0.8	0.3	0.0
-67.5°	9.0	5.0	2.8	1.4	0.7	0.3	0.0
-70°	6.3	3.9	2.3	1.2	0.6	0.2	0.0
-72.5°	4.8	3.0	1.7	1.0	0.5	0.2	0.0
-75°	3.6	2.3	1.4	0.8	0.4	0.2	0.0
-77.5°	2.6	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)