

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645334 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA1D-727-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645334 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1D-727-U-LAM-XX
Description: GALLEON FLOOD, ONE LIGHT SQUARE, LAMBERTIAN
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

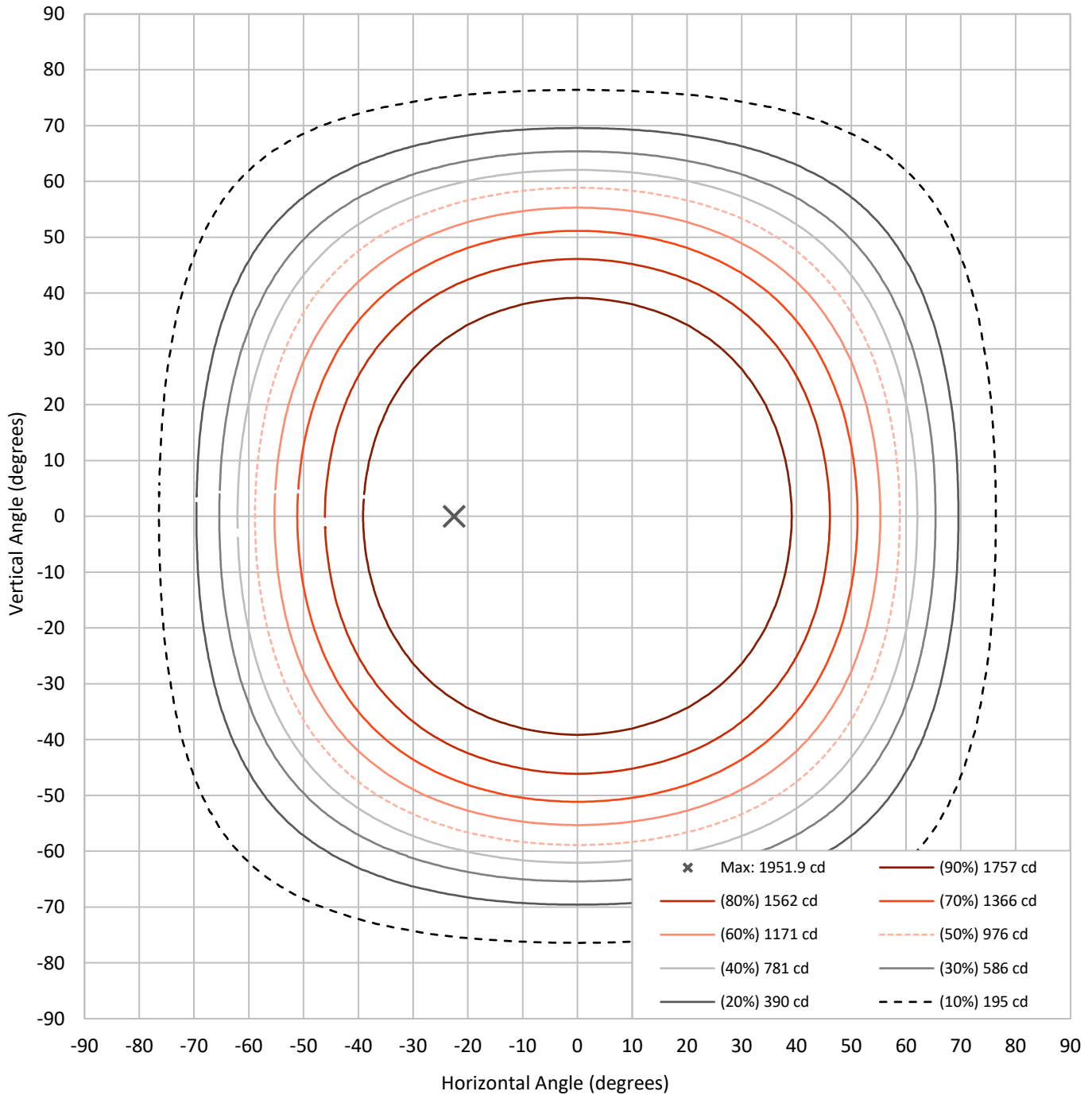
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	5970.9 lumens	Max Intensity:	1951.9 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	104.2 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	4969.1 lumens	Field Lumens:	5853.5 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	57.3		
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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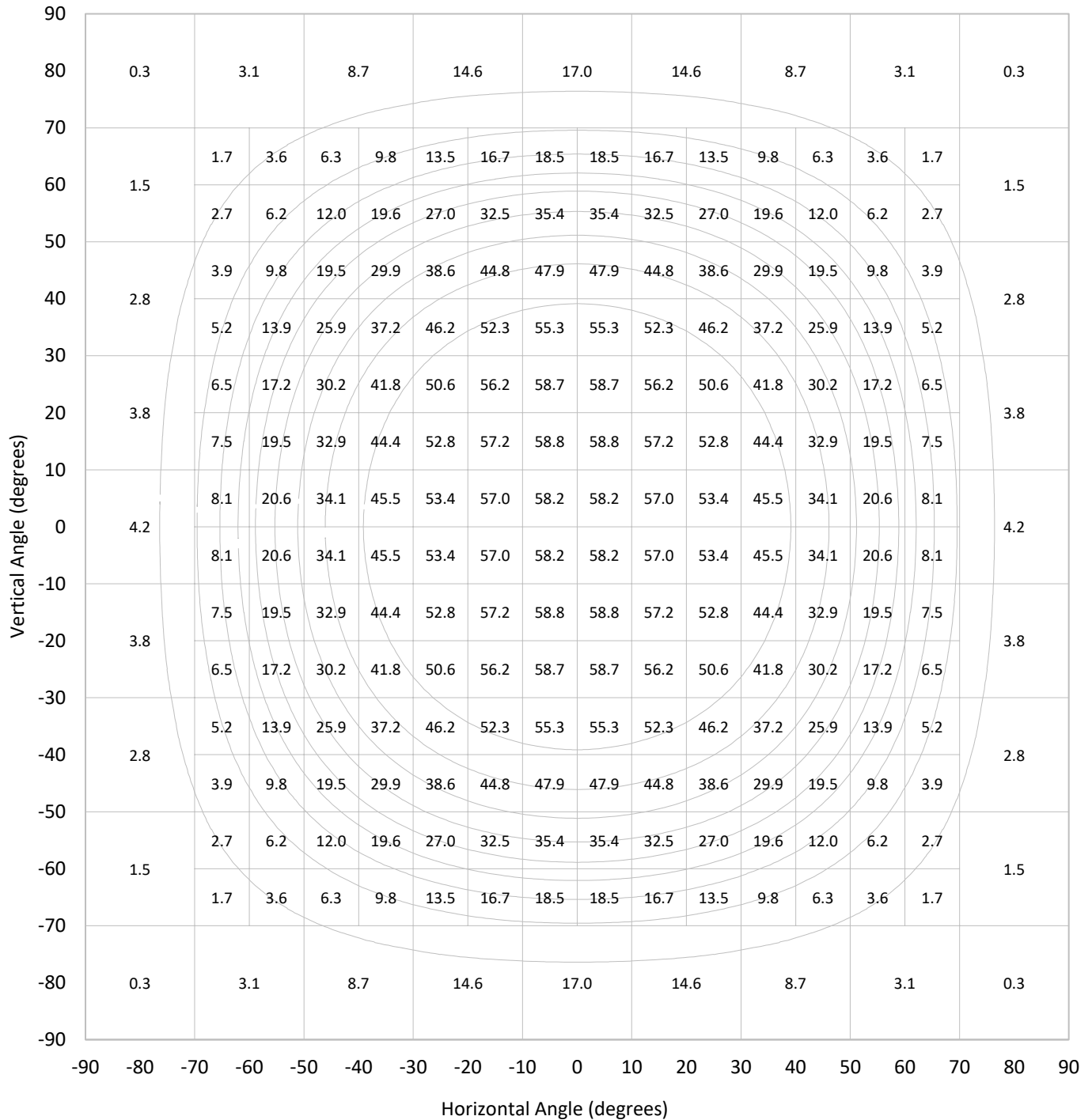
Iso-Candela Plot





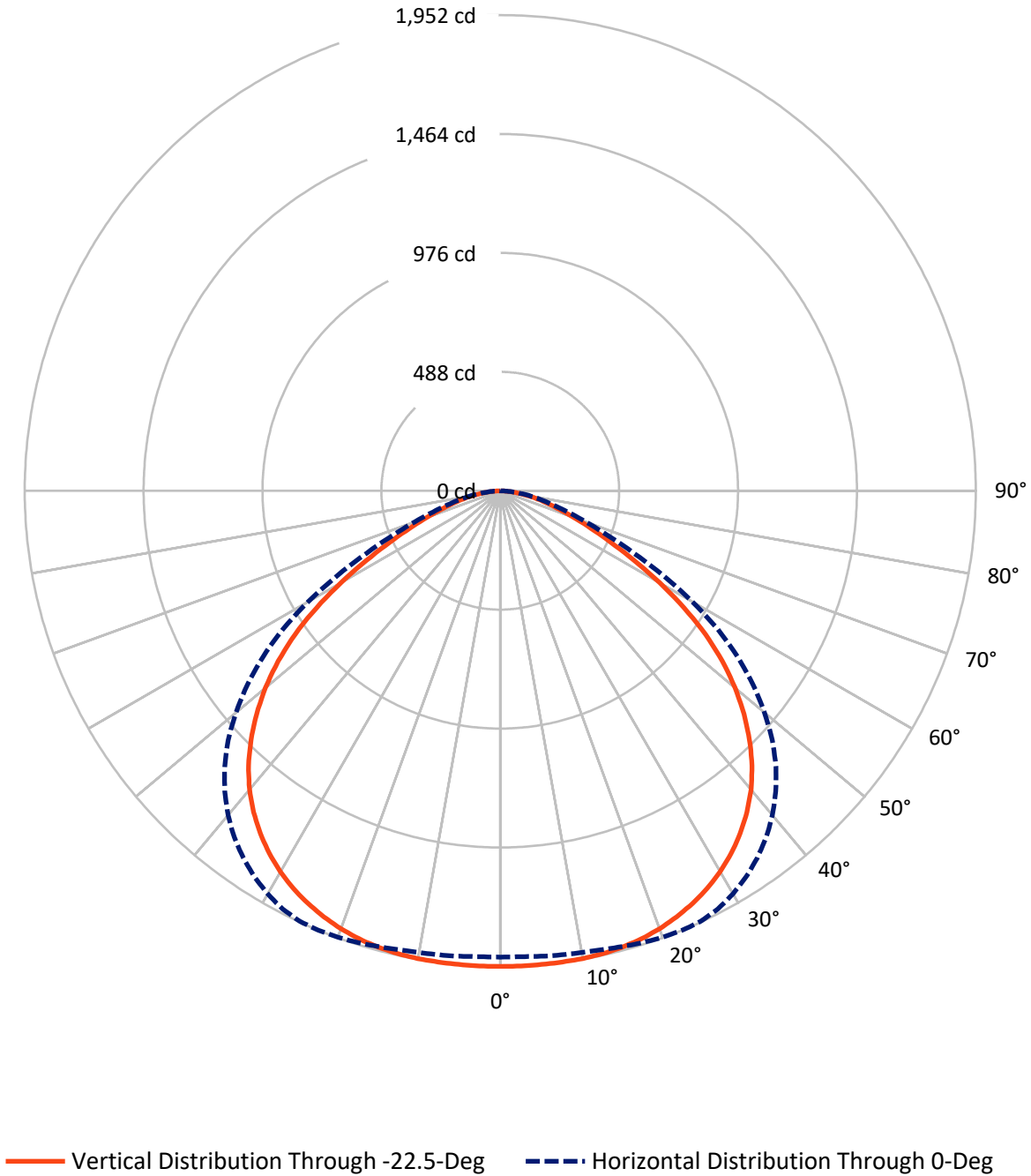
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Lumen Table



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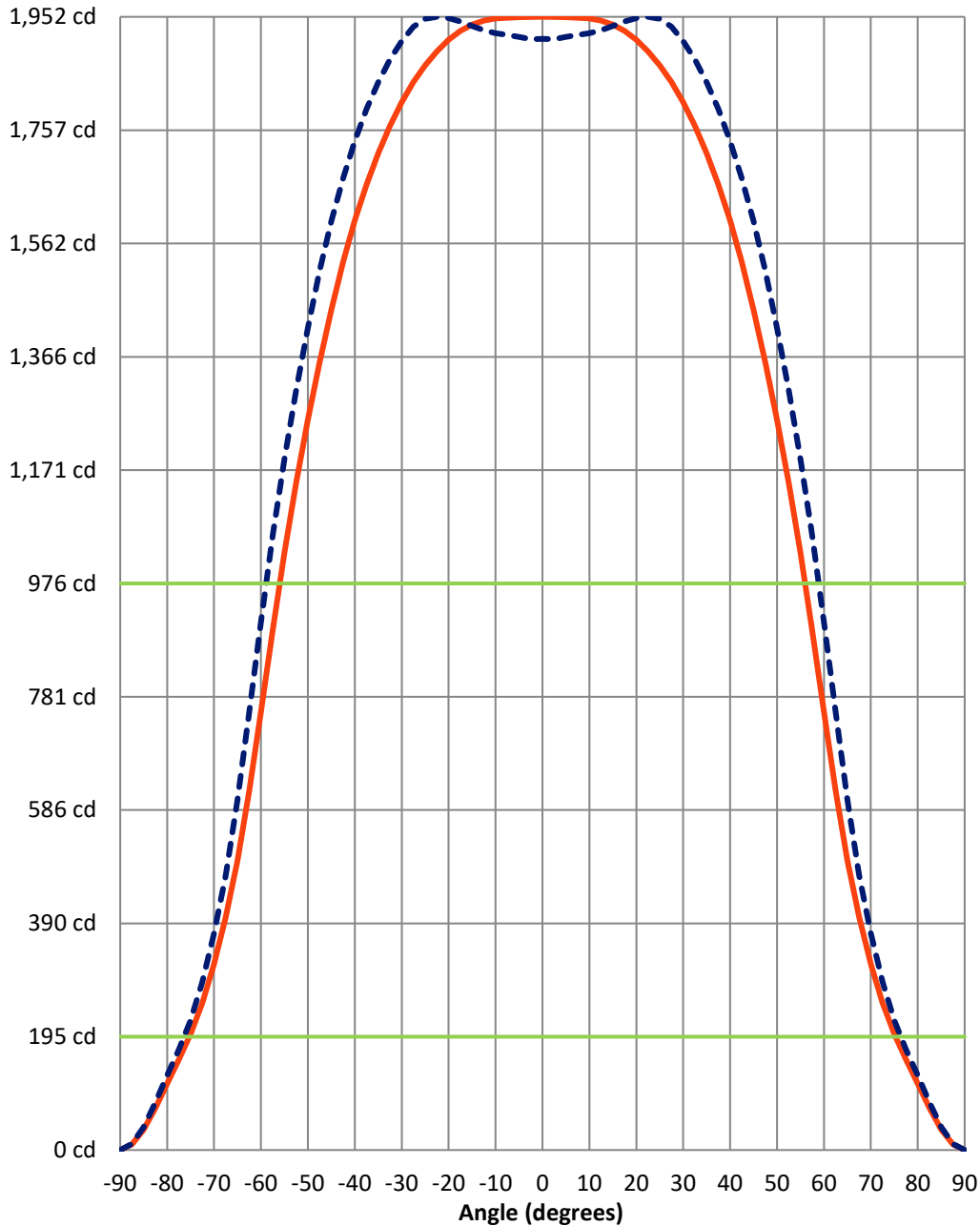
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 4969.1
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 5853.5
 Efficiency: 98.0%

Spill:
 Lumens: 117.4
 Efficiency: 2.0%

— Vertical Distribution through -22.5-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	0.5	0.9	1.4	1.9	2.3	2.8	3.2	3.7	4.1	4.5
85°	0.0	0.9	1.9	2.8	3.7	4.6	5.5	6.4	7.3	8.2	9.0
82.5°	0.0	1.4	2.8	4.2	5.6	6.9	8.3	9.6	11.4	14.9	18.4
80°	0.0	1.9	3.7	5.6	7.4	9.2	11.6	16.4	21.2	25.9	30.5
77.5°	0.0	2.3	4.6	6.9	9.2	12.8	19.0	25.0	30.9	36.8	43.9
75°	0.0	2.8	5.5	8.3	11.6	19.0	26.3	33.5	41.0	51.3	61.4
72.5°	0.0	3.2	6.4	9.6	16.4	25.0	33.5	42.9	55.0	66.9	78.6
70°	0.0	3.7	7.3	11.4	21.2	30.9	41.0	55.0	68.8	82.4	97.1
67.5°	0.0	4.1	8.2	14.9	25.9	36.8	51.3	66.9	82.4	99.2	115.7
65°	0.0	4.5	9.0	18.4	30.5	43.9	61.4	78.6	97.1	115.7	133.7
62.5°	0.0	4.9	9.9	21.8	35.0	52.1	71.2	91.0	111.6	131.8	150.9
60°	0.0	5.3	10.7	25.1	39.5	60.2	80.9	103.4	125.7	146.9	167.7
57.5°	0.0	5.7	12.8	28.3	45.7	68.1	91.2	115.5	139.1	161.7	185.6
55°	0.0	6.1	14.9	31.5	51.8	75.8	101.3	127.3	151.9	176.6	203.8
52.5°	0.0	6.5	17.0	34.6	57.8	83.3	111.2	138.3	164.4	192.6	221.6
50°	0.0	6.9	19.0	37.5	63.5	91.3	120.7	148.9	177.0	208.1	243.6
47.5°	0.0	7.2	20.9	40.7	69.1	98.9	129.8	159.2	190.3	223.1	265.5
45°	0.0	7.6	22.7	44.7	74.4	106.3	138.3	169.0	203.1	241.9	286.6
42.5°	0.0	7.9	24.4	48.5	79.6	113.4	146.4	179.2	215.4	260.2	311.5
40°	0.0	8.2	26.1	52.2	84.7	120.1	154.1	189.5	228.4	277.6	336.1
37.5°	0.0	8.5	27.7	55.7	89.8	126.5	161.4	199.2	243.1	295.4	359.6
35°	0.0	8.8	29.2	59.0	94.6	132.4	168.4	208.5	257.0	315.3	383.5
32.5°	0.0	9.0	30.6	62.0	99.2	137.8	175.2	217.2	270.2	334.1	408.7
30°	0.0	9.3	31.9	64.9	103.4	142.9	182.1	225.9	282.4	351.7	432.3
27.5°	0.0	9.5	33.1	67.6	107.4	147.6	188.6	235.8	295.0	368.0	454.3
25°	0.0	9.7	34.3	70.1	111.0	151.9	194.5	245.0	308.3	385.1	474.8
22.5°	0.0	9.9	35.3	72.3	114.3	155.9	199.9	253.3	320.4	401.6	498.7
20°	0.0	10.1	36.2	74.3	117.3	159.4	204.8	260.8	331.4	416.5	520.4
17.5°	0.0	10.2	37.0	76.1	119.9	162.6	209.1	267.5	341.1	429.8	539.6
15°	0.0	10.3	37.7	77.7	122.2	165.3	212.9	273.3	349.6	441.3	556.4
12.5°	0.0	10.4	38.3	79.0	124.1	167.7	216.1	278.3	356.8	451.2	570.7
10°	0.0	10.5	38.8	80.1	125.7	169.6	218.7	282.3	362.7	459.2	582.5
7.5°	0.0	10.6	39.2	80.9	127.0	171.1	220.8	285.5	367.3	465.6	591.6
5°	0.0	10.7	39.5	81.5	127.9	172.1	222.2	287.8	370.6	470.1	598.2
2.5°	0.0	10.7	39.6	81.9	128.4	172.8	223.1	289.1	372.6	472.8	602.2
0°	0.0	10.7	39.7	82.0	128.6	173.0	223.4	289.6	373.3	473.7	603.5
-2.5°	0.0	10.7	39.6	81.9	128.4	172.8	223.1	289.1	372.6	472.8	602.2
-5°	0.0	10.7	39.5	81.5	127.9	172.1	222.2	287.8	370.6	470.1	598.2
-7.5°	0.0	10.6	39.2	80.9	127.0	171.1	220.8	285.5	367.3	465.6	591.6
-10°	0.0	10.5	38.8	80.1	125.7	169.6	218.7	282.3	362.7	459.2	582.5
-12.5°	0.0	10.4	38.3	79.0	124.1	167.7	216.1	278.3	356.8	451.2	570.7
-15°	0.0	10.3	37.7	77.7	122.2	165.3	212.9	273.3	349.6	441.3	556.4
-17.5°	0.0	10.2	37.0	76.1	119.9	162.6	209.1	267.5	341.1	429.8	539.6
-20°	0.0	10.1	36.2	74.3	117.3	159.4	204.8	260.8	331.4	416.5	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	9.9	35.3	72.3	114.3	155.9	199.9	253.3	320.4	401.6	498.7
-25°	0.0	9.7	34.3	70.1	111.0	151.9	194.5	245.0	308.3	385.1	474.8
-27.5°	0.0	9.5	33.1	67.6	107.4	147.6	188.6	235.8	295.0	368.0	454.3
-30°	0.0	9.3	31.9	64.9	103.4	142.9	182.1	225.9	282.4	351.7	432.3
-32.5°	0.0	9.0	30.6	62.0	99.2	137.8	175.2	217.2	270.2	334.1	408.7
-35°	0.0	8.8	29.2	59.0	94.6	132.4	168.4	208.5	257.0	315.3	383.5
-37.5°	0.0	8.5	27.7	55.7	89.8	126.5	161.4	199.2	243.1	295.4	359.6
-40°	0.0	8.2	26.1	52.2	84.7	120.1	154.1	189.5	228.4	277.6	336.1
-42.5°	0.0	7.9	24.4	48.5	79.6	113.4	146.4	179.2	215.4	260.2	311.5
-45°	0.0	7.6	22.7	44.7	74.4	106.3	138.3	169.0	203.1	241.9	286.6
-47.5°	0.0	7.2	20.9	40.7	69.1	98.9	129.8	159.2	190.3	223.1	265.5
-50°	0.0	6.9	19.0	37.5	63.5	91.3	120.7	148.9	177.0	208.1	243.6
-52.5°	0.0	6.5	17.0	34.6	57.8	83.3	111.2	138.3	164.4	192.6	221.6
-55°	0.0	6.1	14.9	31.5	51.8	75.8	101.3	127.3	151.9	176.6	203.8
-57.5°	0.0	5.7	12.8	28.3	45.7	68.1	91.2	115.5	139.1	161.7	185.6
-60°	0.0	5.3	10.7	25.1	39.5	60.2	80.9	103.4	125.7	146.9	167.7
-62.5°	0.0	4.9	9.9	21.8	35.0	52.1	71.2	91.0	111.6	131.8	150.9
-65°	0.0	4.5	9.0	18.4	30.5	43.9	61.4	78.6	97.1	115.7	133.7
-67.5°	0.0	4.1	8.2	14.9	25.9	36.8	51.3	66.9	82.4	99.2	115.7
-70°	0.0	3.7	7.3	11.4	21.2	30.9	41.0	55.0	68.8	82.4	97.1
-72.5°	0.0	3.2	6.4	9.6	16.4	25.0	33.5	42.9	55.0	66.9	78.6
-75°	0.0	2.8	5.5	8.3	11.6	19.0	26.3	33.5	41.0	51.3	61.4
-77.5°	0.0	2.3	4.6	6.9	9.2	12.8	19.0	25.0	30.9	36.8	43.9
-80°	0.0	1.9	3.7	5.6	7.4	9.2	11.6	16.4	21.2	25.9	30.5
-82.5°	0.0	1.4	2.8	4.2	5.6	6.9	8.3	9.6	11.4	14.9	18.4
-85°	0.0	0.9	1.9	2.8	3.7	4.6	5.5	6.4	7.3	8.2	9.0
-87.5°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.2	3.7	4.1	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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 CATALOG NUMBER: GFLD-SA1D-727-U-LAM-XX

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°	4.9	5.3	5.7	6.1	6.5	6.9	7.2	7.6	7.9	8.2	8.5
85°	9.9	10.7	12.8	14.9	17.0	19.0	20.9	22.7	24.4	26.1	27.7
82.5°	21.8	25.1	28.3	31.5	34.6	37.5	40.7	44.7	48.5	52.2	55.7
80°	35.0	39.5	45.7	51.8	57.8	63.5	69.1	74.4	79.6	84.7	89.8
77.5°	52.1	60.2	68.1	75.8	83.3	91.3	98.9	106.3	113.4	120.1	126.5
75°	71.2	80.9	91.2	101.3	111.2	120.7	129.8	138.3	146.4	154.1	161.4
72.5°	91.0	103.4	115.5	127.3	138.3	148.9	159.2	169.0	179.2	189.5	199.2
70°	111.6	125.7	139.1	151.9	164.4	177.0	190.3	203.1	215.4	228.4	243.1
67.5°	131.8	146.9	161.7	176.6	192.6	208.1	223.1	241.9	260.2	277.6	295.4
65°	150.9	167.7	185.6	203.8	221.6	243.6	265.5	286.6	311.5	336.1	359.6
62.5°	169.6	190.1	210.6	232.9	258.5	283.4	312.3	341.7	370.1	402.0	433.1
60°	190.1	212.9	238.9	267.5	297.0	331.4	364.7	401.6	438.8	474.8	518.9
57.5°	210.6	238.9	270.5	304.7	342.9	381.5	424.9	466.8	517.2	567.4	617.4
55°	232.9	267.5	304.7	346.8	390.8	439.0	489.2	547.8	604.5	667.7	728.2
52.5°	258.5	297.0	342.9	390.8	443.7	501.5	566.4	633.5	704.1	772.8	840.0
50°	283.4	331.4	381.5	439.0	501.5	572.6	648.0	726.2	803.3	878.5	949.0
47.5°	312.3	364.7	424.9	489.2	566.4	648.0	733.6	818.7	901.9	979.1	1053.1
45°	341.7	401.6	466.8	547.8	633.5	726.2	818.7	909.7	994.3	1074.1	1143.8
42.5°	370.1	438.8	517.2	604.5	704.1	803.3	901.9	994.3	1080.9	1157.7	1227.8
40°	402.0	474.8	567.4	667.7	772.8	878.5	979.1	1074.1	1157.7	1234.1	1305.1
37.5°	433.1	518.9	617.4	728.2	840.0	949.0	1053.1	1143.8	1227.8	1305.1	1373.3
35°	462.6	560.8	670.6	786.9	904.2	1015.1	1116.3	1208.7	1292.1	1367.2	1436.9
32.5°	495.5	600.5	720.9	843.2	962.8	1075.7	1176.0	1266.4	1349.3	1425.6	1494.7
30°	529.3	643.2	768.6	896.3	1017.8	1128.1	1228.3	1319.8	1402.2	1477.5	1545.2
27.5°	560.8	683.6	814.2	944.3	1068.0	1177.3	1276.2	1366.3	1449.1	1524.9	1590.5
25°	590.0	720.9	856.3	988.3	1110.2	1219.9	1319.6	1409.7	1492.0	1564.7	1628.5
22.5°	618.7	755.1	894.9	1028.6	1149.1	1257.9	1356.7	1447.0	1529.3	1601.4	1662.7
20°	646.7	786.9	929.0	1064.4	1184.3	1292.4	1390.5	1480.6	1560.7	1630.5	1691.5
17.5°	671.5	815.2	958.8	1093.3	1213.2	1321.9	1420.4	1510.8	1589.0	1656.8	1716.4
15°	693.3	840.0	984.9	1118.6	1238.2	1346.4	1444.9	1534.3	1612.0	1679.2	1738.4
12.5°	711.8	861.1	1007.2	1140.2	1259.5	1367.4	1465.9	1554.0	1630.4	1696.8	1754.7
10°	727.0	878.5	1025.5	1158.0	1277.0	1384.7	1483.2	1570.4	1645.7	1711.4	1768.3
7.5°	738.9	892.1	1039.9	1171.9	1290.8	1398.3	1496.8	1583.2	1657.8	1722.9	1779.0
5°	747.5	901.9	1050.1	1181.9	1300.7	1408.1	1506.6	1592.5	1666.4	1731.2	1786.8
2.5°	752.6	907.7	1056.3	1187.9	1306.6	1413.9	1512.5	1598.0	1671.7	1736.2	1791.4
0°	754.3	909.7	1058.4	1189.9	1308.6	1415.9	1514.5	1599.9	1673.4	1737.9	1793.0
-2.5°	752.6	907.7	1056.3	1187.9	1306.6	1413.9	1512.5	1598.0	1671.7	1736.2	1791.4
-5°	747.5	901.9	1050.1	1181.9	1300.7	1408.1	1506.6	1592.5	1666.4	1731.2	1786.8
-7.5°	738.9	892.1	1039.9	1171.9	1290.8	1398.3	1496.8	1583.2	1657.8	1722.9	1779.0
-10°	727.0	878.5	1025.5	1158.0	1277.0	1384.7	1483.2	1570.4	1645.7	1711.4	1768.3
-12.5°	711.8	861.1	1007.2	1140.2	1259.5	1367.4	1465.9	1554.0	1630.4	1696.8	1754.7
-15°	693.3	840.0	984.9	1118.6	1238.2	1346.4	1444.9	1534.3	1612.0	1679.2	1738.4
-17.5°	671.5	815.2	958.8	1093.3	1213.2	1321.9	1420.4	1510.8	1589.0	1656.8	1716.4
-20°	646.7	786.9	929.0	1064.4	1184.3	1292.4	1390.5	1480.6	1560.7	1630.5	1691.5



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 CATALOG NUMBER: GFLD-SA1D-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	618.7	755.1	894.9	1028.6	1149.1	1257.9	1356.7	1447.0	1529.3	1601.4	1662.7
-25°	590.0	720.9	856.3	988.3	1110.2	1219.9	1319.6	1409.7	1492.0	1564.7	1628.5
-27.5°	560.8	683.6	814.2	944.3	1068.0	1177.3	1276.2	1366.3	1449.1	1524.9	1590.5
-30°	529.3	643.2	768.6	896.3	1017.8	1128.1	1228.3	1319.8	1402.2	1477.5	1545.2
-32.5°	495.5	600.5	720.9	843.2	962.8	1075.7	1176.0	1266.4	1349.3	1425.6	1494.7
-35°	462.6	560.8	670.6	786.9	904.2	1015.1	1116.3	1208.7	1292.1	1367.2	1436.9
-37.5°	433.1	518.9	617.4	728.2	840.0	949.0	1053.1	1143.8	1227.8	1305.1	1373.3
-40°	402.0	474.8	567.4	667.7	772.8	878.5	979.1	1074.1	1157.7	1234.1	1305.1
-42.5°	370.1	438.8	517.2	604.5	704.1	803.3	901.9	994.3	1080.9	1157.7	1227.8
-45°	341.7	401.6	466.8	547.8	633.5	726.2	818.7	909.7	994.3	1074.1	1143.8
-47.5°	312.3	364.7	424.9	489.2	566.4	648.0	733.6	818.7	901.9	979.1	1053.1
-50°	283.4	331.4	381.5	439.0	501.5	572.6	648.0	726.2	803.3	878.5	949.0
-52.5°	258.5	297.0	342.9	390.8	443.7	501.5	566.4	633.5	704.1	772.8	840.0
-55°	232.9	267.5	304.7	346.8	390.8	439.0	489.2	547.8	604.5	667.7	728.2
-57.5°	210.6	238.9	270.5	304.7	342.9	381.5	424.9	466.8	517.2	567.4	617.4
-60°	190.1	212.9	238.9	267.5	297.0	331.4	364.7	401.6	438.8	474.8	518.9
-62.5°	169.6	190.1	210.6	232.9	258.5	283.4	312.3	341.7	370.1	402.0	433.1
-65°	150.9	167.7	185.6	203.8	221.6	243.6	265.5	286.6	311.5	336.1	359.6
-67.5°	131.8	146.9	161.7	176.6	192.6	208.1	223.1	241.9	260.2	277.6	295.4
-70°	111.6	125.7	139.1	151.9	164.4	177.0	190.3	203.1	215.4	228.4	243.1
-72.5°	91.0	103.4	115.5	127.3	138.3	148.9	159.2	169.0	179.2	189.5	199.2
-75°	71.2	80.9	91.2	101.3	111.2	120.7	129.8	138.3	146.4	154.1	161.4
-77.5°	52.1	60.2	68.1	75.8	83.3	91.3	98.9	106.3	113.4	120.1	126.5
-80°	35.0	39.5	45.7	51.8	57.8	63.5	69.1	74.4	79.6	84.7	89.8
-82.5°	21.8	25.1	28.3	31.5	34.6	37.5	40.7	44.7	48.5	52.2	55.7
-85°	9.9	10.7	12.8	14.9	17.0	19.0	20.9	22.7	24.4	26.1	27.7
-87.5°	4.9	5.3	5.7	6.1	6.5	6.9	7.2	7.6	7.9	8.2	8.5
-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: P645334 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-727-U-LAM-XX

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°	8.8	9.0	9.3	9.5	9.7	9.9	10.1	10.2	10.3	10.4	10.5
85°	29.2	30.6	31.9	33.1	34.3	35.3	36.2	37.0	37.7	38.3	38.8
82.5°	59.0	62.0	64.9	67.6	70.1	72.3	74.3	76.1	77.7	79.0	80.1
80°	94.6	99.2	103.4	107.4	111.0	114.3	117.3	119.9	122.2	124.1	125.7
77.5°	132.4	137.8	142.9	147.6	151.9	155.9	159.4	162.6	165.3	167.7	169.6
75°	168.4	175.2	182.1	188.6	194.5	199.9	204.8	209.1	212.9	216.1	218.7
72.5°	208.5	217.2	225.9	235.8	245.0	253.3	260.8	267.5	273.3	278.3	282.3
70°	257.0	270.2	282.4	295.0	308.3	320.4	331.4	341.1	349.6	356.8	362.7
67.5°	315.3	334.1	351.7	368.0	385.1	401.6	416.5	429.8	441.3	451.2	459.2
65°	383.5	408.7	432.3	454.3	474.8	498.7	520.4	539.6	556.4	570.7	582.5
62.5°	462.6	495.5	529.3	560.8	590.0	618.7	646.7	671.5	693.3	711.8	727.0
60°	560.8	600.5	643.2	683.6	720.9	755.1	786.9	815.2	840.0	861.1	878.5
57.5°	670.6	720.9	768.6	814.2	856.3	894.9	929.0	958.8	984.9	1007.2	1025.5
55°	786.9	843.2	896.3	944.3	988.3	1028.6	1064.4	1093.3	1118.6	1140.2	1158.0
52.5°	904.2	962.8	1017.8	1068.0	1110.2	1149.1	1184.3	1213.2	1238.2	1259.5	1277.0
50°	1015.1	1075.7	1128.1	1177.3	1219.9	1257.9	1292.4	1321.9	1346.4	1367.4	1384.7
47.5°	1116.3	1176.0	1228.3	1276.2	1319.6	1356.7	1390.5	1420.4	1444.9	1465.9	1483.2
45°	1208.7	1266.4	1319.8	1366.3	1409.7	1447.0	1480.6	1510.8	1534.3	1554.0	1570.4
42.5°	1292.1	1349.3	1402.2	1449.1	1492.0	1529.3	1560.7	1589.0	1612.0	1630.4	1645.7
40°	1367.2	1425.6	1477.5	1524.9	1564.7	1601.4	1630.5	1656.8	1679.2	1696.8	1711.4
37.5°	1436.9	1494.7	1545.2	1590.5	1628.5	1662.7	1691.5	1716.4	1738.4	1754.7	1768.3
35°	1500.5	1555.4	1605.4	1647.0	1684.7	1716.8	1745.2	1768.2	1788.6	1804.2	1816.5
32.5°	1555.4	1609.9	1656.3	1697.3	1734.1	1764.1	1791.3	1812.3	1830.9	1845.8	1857.3
30°	1605.4	1656.3	1701.5	1742.1	1775.6	1804.8	1829.3	1849.9	1867.0	1881.2	1891.4
27.5°	1647.0	1697.3	1742.1	1779.5	1811.5	1839.6	1862.1	1881.9	1896.8	1909.9	1918.7
25°	1684.7	1734.1	1775.6	1811.5	1842.6	1868.3	1889.7	1907.6	1920.9	1932.1	1938.6
22.5°	1716.8	1764.1	1804.8	1839.6	1868.3	1892.3	1912.4	1927.6	1938.5	1945.3	1949.2
20°	1745.2	1791.3	1829.3	1862.1	1889.7	1912.4	1929.9	1941.2	1948.8	1950.6	1951.7
17.5°	1768.2	1812.3	1849.9	1881.9	1907.6	1927.6	1941.2	1949.1	1951.4	1950.9	1949.8
15°	1788.6	1830.9	1867.0	1896.8	1920.9	1938.5	1948.8	1951.4	1950.7	1948.4	1944.9
12.5°	1804.2	1845.8	1881.2	1909.9	1932.1	1945.3	1950.6	1950.9	1948.4	1944.1	1939.1
10°	1816.5	1857.3	1891.4	1918.7	1938.6	1949.2	1951.7	1949.8	1944.9	1939.1	1933.5
7.5°	1826.3	1866.4	1899.4	1925.6	1942.8	1950.3	1950.8	1947.3	1941.4	1934.8	1928.8
5°	1833.4	1873.0	1905.3	1930.7	1946.0	1951.2	1950.2	1945.4	1938.5	1931.6	1926.1
2.5°	1837.7	1877.1	1908.8	1933.8	1947.9	1951.7	1949.8	1944.2	1936.7	1929.5	1924.3
0°	1839.1	1878.4	1910.0	1934.8	1948.5	1951.9	1949.7	1943.8	1936.1	1928.8	1923.7
-2.5°	1837.7	1877.1	1908.8	1933.8	1947.9	1951.7	1949.8	1944.2	1936.7	1929.5	1924.3
-5°	1833.4	1873.0	1905.3	1930.7	1946.0	1951.2	1950.2	1945.4	1938.5	1931.6	1926.1
-7.5°	1826.3	1866.4	1899.4	1925.6	1942.8	1950.3	1950.8	1947.3	1941.4	1934.8	1928.8
-10°	1816.5	1857.3	1891.4	1918.7	1938.6	1949.2	1951.7	1949.8	1944.9	1939.1	1933.5
-12.5°	1804.2	1845.8	1881.2	1909.9	1932.1	1945.3	1950.6	1950.9	1948.4	1944.1	1939.1
-15°	1788.6	1830.9	1867.0	1896.8	1920.9	1938.5	1948.8	1951.4	1950.7	1948.4	1944.9
-17.5°	1768.2	1812.3	1849.9	1881.9	1907.6	1927.6	1941.2	1949.1	1951.4	1950.9	1949.8
-20°	1745.2	1791.3	1829.3	1862.1	1889.7	1912.4	1929.9	1941.2	1948.8	1950.6	1951.7

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

Scaled Data Report



REPORT NUMBER: P645334 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1D-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1716.8	1764.1	1804.8	1839.6	1868.3	1892.3	1912.4	1927.6	1938.5	1945.3	1949.2
-25°	1684.7	1734.1	1775.6	1811.5	1842.6	1868.3	1889.7	1907.6	1920.9	1932.1	1938.6
-27.5°	1647.0	1697.3	1742.1	1779.5	1811.5	1839.6	1862.1	1881.9	1896.8	1909.9	1918.7
-30°	1605.4	1656.3	1701.5	1742.1	1775.6	1804.8	1829.3	1849.9	1867.0	1881.2	1891.4
-32.5°	1555.4	1609.9	1656.3	1697.3	1734.1	1764.1	1791.3	1812.3	1830.9	1845.8	1857.3
-35°	1500.5	1555.4	1605.4	1647.0	1684.7	1716.8	1745.2	1768.2	1788.6	1804.2	1816.5
-37.5°	1436.9	1494.7	1545.2	1590.5	1628.5	1662.7	1691.5	1716.4	1738.4	1754.7	1768.3
-40°	1367.2	1425.6	1477.5	1524.9	1564.7	1601.4	1630.5	1656.8	1679.2	1696.8	1711.4
-42.5°	1292.1	1349.3	1402.2	1449.1	1492.0	1529.3	1560.7	1589.0	1612.0	1630.4	1645.7
-45°	1208.7	1266.4	1319.8	1366.3	1409.7	1447.0	1480.6	1510.8	1534.3	1554.0	1570.4
-47.5°	1116.3	1176.0	1228.3	1276.2	1319.6	1356.7	1390.5	1420.4	1444.9	1465.9	1483.2
-50°	1015.1	1075.7	1128.1	1177.3	1219.9	1257.9	1292.4	1321.9	1346.4	1367.4	1384.7
-52.5°	904.2	962.8	1017.8	1068.0	1110.2	1149.1	1184.3	1213.2	1238.2	1259.5	1277.0
-55°	786.9	843.2	896.3	944.3	988.3	1028.6	1064.4	1093.3	1118.6	1140.2	1158.0
-57.5°	670.6	720.9	768.6	814.2	856.3	894.9	929.0	958.8	984.9	1007.2	1025.5
-60°	560.8	600.5	643.2	683.6	720.9	755.1	786.9	815.2	840.0	861.1	878.5
-62.5°	462.6	495.5	529.3	560.8	590.0	618.7	646.7	671.5	693.3	711.8	727.0
-65°	383.5	408.7	432.3	454.3	474.8	498.7	520.4	539.6	556.4	570.7	582.5
-67.5°	315.3	334.1	351.7	368.0	385.1	401.6	416.5	429.8	441.3	451.2	459.2
-70°	257.0	270.2	282.4	295.0	308.3	320.4	331.4	341.1	349.6	356.8	362.7
-72.5°	208.5	217.2	225.9	235.8	245.0	253.3	260.8	267.5	273.3	278.3	282.3
-75°	168.4	175.2	182.1	188.6	194.5	199.9	204.8	209.1	212.9	216.1	218.7
-77.5°	132.4	137.8	142.9	147.6	151.9	155.9	159.4	162.6	165.3	167.7	169.6
-80°	94.6	99.2	103.4	107.4	111.0	114.3	117.3	119.9	122.2	124.1	125.7
-82.5°	59.0	62.0	64.9	67.6	70.1	72.3	74.3	76.1	77.7	79.0	80.1
-85°	29.2	30.6	31.9	33.1	34.3	35.3	36.2	37.0	37.7	38.3	38.8
-87.5°	8.8	9.0	9.3	9.5	9.7	9.9	10.1	10.2	10.3	10.4	10.5
-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: P645334 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-727-U-LAM-XX

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°	10.6	10.7	10.7	10.7	10.7	10.7	10.6	10.5	10.4	10.3	10.2
85°	39.2	39.5	39.6	39.7	39.6	39.5	39.2	38.8	38.3	37.7	37.0
82.5°	80.9	81.5	81.9	82.0	81.9	81.5	80.9	80.1	79.0	77.7	76.1
80°	127.0	127.9	128.4	128.6	128.4	127.9	127.0	125.7	124.1	122.2	119.9
77.5°	171.1	172.1	172.8	173.0	172.8	172.1	171.1	169.6	167.7	165.3	162.6
75°	220.8	222.2	223.1	223.4	223.1	222.2	220.8	218.7	216.1	212.9	209.1
72.5°	285.5	287.8	289.1	289.6	289.1	287.8	285.5	282.3	278.3	273.3	267.5
70°	367.3	370.6	372.6	373.3	372.6	370.6	367.3	362.7	356.8	349.6	341.1
67.5°	465.6	470.1	472.8	473.7	472.8	470.1	465.6	459.2	451.2	441.3	429.8
65°	591.6	598.2	602.2	603.5	602.2	598.2	591.6	582.5	570.7	556.4	539.6
62.5°	738.9	747.5	752.6	754.3	752.6	747.5	738.9	727.0	711.8	693.3	671.5
60°	892.1	901.9	907.7	909.7	907.7	901.9	892.1	878.5	861.1	840.0	815.2
57.5°	1039.9	1050.1	1056.3	1058.4	1056.3	1050.1	1039.9	1025.5	1007.2	984.9	958.8
55°	1171.9	1181.9	1187.9	1189.9	1187.9	1181.9	1171.9	1158.0	1140.2	1118.6	1093.3
52.5°	1290.8	1300.7	1306.6	1308.6	1306.6	1300.7	1290.8	1277.0	1259.5	1238.2	1213.2
50°	1398.3	1408.1	1413.9	1415.9	1413.9	1408.1	1398.3	1384.7	1367.4	1346.4	1321.9
47.5°	1496.8	1506.6	1512.5	1514.5	1512.5	1506.6	1496.8	1483.2	1465.9	1444.9	1420.4
45°	1583.2	1592.5	1598.0	1599.9	1598.0	1592.5	1583.2	1570.4	1554.0	1534.3	1510.8
42.5°	1657.8	1666.4	1671.7	1673.4	1671.7	1666.4	1657.8	1645.7	1630.4	1612.0	1589.0
40°	1722.9	1731.2	1736.2	1737.9	1736.2	1731.2	1722.9	1711.4	1696.8	1679.2	1656.8
37.5°	1779.0	1786.8	1791.4	1793.0	1791.4	1786.8	1779.0	1768.3	1754.7	1738.4	1716.4
35°	1826.3	1833.4	1837.7	1839.1	1837.7	1833.4	1826.3	1816.5	1804.2	1788.6	1768.2
32.5°	1866.4	1873.0	1877.1	1878.4	1877.1	1873.0	1866.4	1857.3	1845.8	1830.9	1812.3
30°	1899.4	1905.3	1908.8	1910.0	1908.8	1905.3	1899.4	1891.4	1881.2	1867.0	1849.9
27.5°	1925.6	1930.7	1933.8	1934.8	1933.8	1930.7	1925.6	1918.7	1909.9	1896.8	1881.9
25°	1942.8	1946.0	1947.9	1948.5	1947.9	1946.0	1942.8	1938.6	1932.1	1920.9	1907.6
22.5°	1950.3	1951.2	1951.7	1951.9	1951.7	1951.2	1950.3	1949.2	1945.3	1938.5	1927.6
20°	1950.8	1950.2	1949.8	1949.7	1949.8	1950.2	1950.8	1951.7	1950.6	1948.8	1941.2
17.5°	1947.3	1945.4	1944.2	1943.8	1944.2	1945.4	1947.3	1949.8	1950.9	1951.4	1949.1
15°	1941.4	1938.5	1936.7	1936.1	1936.7	1938.5	1941.4	1944.9	1948.4	1950.7	1951.4
12.5°	1934.8	1931.6	1929.5	1928.8	1929.5	1931.6	1934.8	1939.1	1944.1	1948.4	1950.9
10°	1928.8	1926.1	1924.3	1923.7	1924.3	1926.1	1928.8	1933.5	1939.1	1944.9	1949.8
7.5°	1924.9	1922.5	1921.2	1920.7	1921.2	1922.5	1924.9	1928.8	1934.8	1941.4	1947.3
5°	1922.5	1920.1	1918.1	1917.3	1918.1	1920.1	1922.5	1926.1	1931.6	1938.5	1945.4
2.5°	1921.2	1918.1	1915.0	1913.4	1915.0	1918.1	1921.2	1924.3	1929.5	1936.7	1944.2
0°	1920.7	1917.3	1913.4	1913.9	1913.4	1917.3	1920.7	1923.7	1928.8	1936.1	1943.8
-2.5°	1921.2	1918.1	1915.0	1913.4	1915.0	1918.1	1921.2	1924.3	1929.5	1936.7	1944.2
-5°	1922.5	1920.1	1918.1	1917.3	1918.1	1920.1	1922.5	1926.1	1931.6	1938.5	1945.4
-7.5°	1924.9	1922.5	1921.2	1920.7	1921.2	1922.5	1924.9	1928.8	1934.8	1941.4	1947.3
-10°	1928.8	1926.1	1924.3	1923.7	1924.3	1926.1	1928.8	1933.5	1939.1	1944.9	1949.8
-12.5°	1934.8	1931.6	1929.5	1928.8	1929.5	1931.6	1934.8	1939.1	1944.1	1948.4	1950.9
-15°	1941.4	1938.5	1936.7	1936.1	1936.7	1938.5	1941.4	1944.9	1948.4	1950.7	1951.4
-17.5°	1947.3	1945.4	1944.2	1943.8	1944.2	1945.4	1947.3	1949.8	1950.9	1951.4	1949.1
-20°	1950.8	1950.2	1949.8	1949.7	1949.8	1950.2	1950.8	1951.7	1950.6	1948.8	1941.2

Classified

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

Scaled Data Report



REPORT NUMBER: P645334 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1D-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1950.3	1951.2	1951.7	1951.9	1951.7	1951.2	1950.3	1949.2	1945.3	1938.5	1927.6
-25°	1942.8	1946.0	1947.9	1948.5	1947.9	1946.0	1942.8	1938.6	1932.1	1920.9	1907.6
-27.5°	1925.6	1930.7	1933.8	1934.8	1933.8	1930.7	1925.6	1918.7	1909.9	1896.8	1881.9
-30°	1899.4	1905.3	1908.8	1910.0	1908.8	1905.3	1899.4	1891.4	1881.2	1867.0	1849.9
-32.5°	1866.4	1873.0	1877.1	1878.4	1877.1	1873.0	1866.4	1857.3	1845.8	1830.9	1812.3
-35°	1826.3	1833.4	1837.7	1839.1	1837.7	1833.4	1826.3	1816.5	1804.2	1788.6	1768.2
-37.5°	1779.0	1786.8	1791.4	1793.0	1791.4	1786.8	1779.0	1768.3	1754.7	1738.4	1716.4
-40°	1722.9	1731.2	1736.2	1737.9	1736.2	1731.2	1722.9	1711.4	1696.8	1679.2	1656.8
-42.5°	1657.8	1666.4	1671.7	1673.4	1671.7	1666.4	1657.8	1645.7	1630.4	1612.0	1589.0
-45°	1583.2	1592.5	1598.0	1599.9	1598.0	1592.5	1583.2	1570.4	1554.0	1534.3	1510.8
-47.5°	1496.8	1506.6	1512.5	1514.5	1512.5	1506.6	1496.8	1483.2	1465.9	1444.9	1420.4
-50°	1398.3	1408.1	1413.9	1415.9	1413.9	1408.1	1398.3	1384.7	1367.4	1346.4	1321.9
-52.5°	1290.8	1300.7	1306.6	1308.6	1306.6	1300.7	1290.8	1277.0	1259.5	1238.2	1213.2
-55°	1171.9	1181.9	1187.9	1189.9	1187.9	1181.9	1171.9	1158.0	1140.2	1118.6	1093.3
-57.5°	1039.9	1050.1	1056.3	1058.4	1056.3	1050.1	1039.9	1025.5	1007.2	984.9	958.8
-60°	892.1	901.9	907.7	909.7	907.7	901.9	892.1	878.5	861.1	840.0	815.2
-62.5°	738.9	747.5	752.6	754.3	752.6	747.5	738.9	727.0	711.8	693.3	671.5
-65°	591.6	598.2	602.2	603.5	602.2	598.2	591.6	582.5	570.7	556.4	539.6
-67.5°	465.6	470.1	472.8	473.7	472.8	470.1	465.6	459.2	451.2	441.3	429.8
-70°	367.3	370.6	372.6	373.3	372.6	370.6	367.3	362.7	356.8	349.6	341.1
-72.5°	285.5	287.8	289.1	289.6	289.1	287.8	285.5	282.3	278.3	273.3	267.5
-75°	220.8	222.2	223.1	223.4	223.1	222.2	220.8	218.7	216.1	212.9	209.1
-77.5°	171.1	172.1	172.8	173.0	172.8	172.1	171.1	169.6	167.7	165.3	162.6
-80°	127.0	127.9	128.4	128.6	128.4	127.9	127.0	125.7	124.1	122.2	119.9
-82.5°	80.9	81.5	81.9	82.0	81.9	81.5	80.9	80.1	79.0	77.7	76.1
-85°	39.2	39.5	39.6	39.7	39.6	39.5	39.2	38.8	38.3	37.7	37.0
-87.5°	10.6	10.7	10.7	10.7	10.7	10.7	10.6	10.5	10.4	10.3	10.2
-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: P645334 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-727-U-LAM-XX

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°	10.1	9.9	9.7	9.5	9.3	9.0	8.8	8.5	8.2	7.9	7.6
85°	36.2	35.3	34.3	33.1	31.9	30.6	29.2	27.7	26.1	24.4	22.7
82.5°	74.3	72.3	70.1	67.6	64.9	62.0	59.0	55.7	52.2	48.5	44.7
80°	117.3	114.3	111.0	107.4	103.4	99.2	94.6	89.8	84.7	79.6	74.4
77.5°	159.4	155.9	151.9	147.6	142.9	137.8	132.4	126.5	120.1	113.4	106.3
75°	204.8	199.9	194.5	188.6	182.1	175.2	168.4	161.4	154.1	146.4	138.3
72.5°	260.8	253.3	245.0	235.8	225.9	217.2	208.5	199.2	189.5	179.2	169.0
70°	331.4	320.4	308.3	295.0	282.4	270.2	257.0	243.1	228.4	215.4	203.1
67.5°	416.5	401.6	385.1	368.0	351.7	334.1	315.3	295.4	277.6	260.2	241.9
65°	520.4	498.7	474.8	454.3	432.3	408.7	383.5	359.6	336.1	311.5	286.6
62.5°	646.7	618.7	590.0	560.8	529.3	495.5	462.6	433.1	402.0	370.1	341.7
60°	786.9	755.1	720.9	683.6	643.2	600.5	560.8	518.9	474.8	438.8	401.6
57.5°	929.0	894.9	856.3	814.2	768.6	720.9	670.6	617.4	567.4	517.2	466.8
55°	1064.4	1028.6	988.3	944.3	896.3	843.2	786.9	728.2	667.7	604.5	547.8
52.5°	1184.3	1149.1	1110.2	1068.0	1017.8	962.8	904.2	840.0	772.8	704.1	633.5
50°	1292.4	1257.9	1219.9	1177.3	1128.1	1075.7	1015.1	949.0	878.5	803.3	726.2
47.5°	1390.5	1356.7	1319.6	1276.2	1228.3	1176.0	1116.3	1053.1	979.1	901.9	818.7
45°	1480.6	1447.0	1409.7	1366.3	1319.8	1266.4	1208.7	1143.8	1074.1	994.3	909.7
42.5°	1560.7	1529.3	1492.0	1449.1	1402.2	1349.3	1292.1	1227.8	1157.7	1080.9	994.3
40°	1630.5	1601.4	1564.7	1524.9	1477.5	1425.6	1367.2	1305.1	1234.1	1157.7	1074.1
37.5°	1691.5	1662.7	1628.5	1590.5	1545.2	1494.7	1436.9	1373.3	1305.1	1227.8	1143.8
35°	1745.2	1716.8	1684.7	1647.0	1605.4	1555.4	1500.5	1436.9	1367.2	1292.1	1208.7
32.5°	1791.3	1764.1	1734.1	1697.3	1656.3	1609.9	1555.4	1494.7	1425.6	1349.3	1266.4
30°	1829.3	1804.8	1775.6	1742.1	1701.5	1656.3	1605.4	1545.2	1477.5	1402.2	1319.8
27.5°	1862.1	1839.6	1811.5	1779.5	1742.1	1697.3	1647.0	1590.5	1524.9	1449.1	1366.3
25°	1889.7	1868.3	1842.6	1811.5	1775.6	1734.1	1684.7	1628.5	1564.7	1492.0	1409.7
22.5°	1912.4	1892.3	1868.3	1839.6	1804.8	1764.1	1716.8	1662.7	1601.4	1529.3	1447.0
20°	1929.9	1912.4	1889.7	1862.1	1829.3	1791.3	1745.2	1691.5	1630.5	1560.7	1480.6
17.5°	1941.2	1927.6	1907.6	1881.9	1849.9	1812.3	1768.2	1716.4	1656.8	1589.0	1510.8
15°	1948.8	1938.5	1920.9	1896.8	1867.0	1830.9	1788.6	1738.4	1679.2	1612.0	1534.3
12.5°	1950.6	1945.3	1932.1	1909.9	1881.2	1845.8	1804.2	1754.7	1696.8	1630.4	1554.0
10°	1951.7	1949.2	1938.6	1918.7	1891.4	1857.3	1816.5	1768.3	1711.4	1645.7	1570.4
7.5°	1950.8	1950.3	1942.8	1925.6	1899.4	1866.4	1826.3	1779.0	1722.9	1657.8	1583.2
5°	1950.2	1951.2	1946.0	1930.7	1905.3	1873.0	1833.4	1786.8	1731.2	1666.4	1592.5
2.5°	1949.8	1951.7	1947.9	1933.8	1908.8	1877.1	1837.7	1791.4	1736.2	1671.7	1598.0
0°	1949.7	1951.9	1948.5	1934.8	1910.0	1878.4	1839.1	1793.0	1737.9	1673.4	1599.9
-2.5°	1949.8	1951.7	1947.9	1933.8	1908.8	1877.1	1837.7	1791.4	1736.2	1671.7	1598.0
-5°	1950.2	1951.2	1946.0	1930.7	1905.3	1873.0	1833.4	1786.8	1731.2	1666.4	1592.5
-7.5°	1950.8	1950.3	1942.8	1925.6	1899.4	1866.4	1826.3	1779.0	1722.9	1657.8	1583.2
-10°	1951.7	1949.2	1938.6	1918.7	1891.4	1857.3	1816.5	1768.3	1711.4	1645.7	1570.4
-12.5°	1950.6	1945.3	1932.1	1909.9	1881.2	1845.8	1804.2	1754.7	1696.8	1630.4	1554.0
-15°	1948.8	1938.5	1920.9	1896.8	1867.0	1830.9	1788.6	1738.4	1679.2	1612.0	1534.3
-17.5°	1941.2	1927.6	1907.6	1881.9	1849.9	1812.3	1768.2	1716.4	1656.8	1589.0	1510.8
-20°	1929.9	1912.4	1889.7	1862.1	1829.3	1791.3	1745.2	1691.5	1630.5	1560.7	1480.6

Classified

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

Scaled Data Report



REPORT NUMBER: P645334 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA1D-727-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1912.4	1892.3	1868.3	1839.6	1804.8	1764.1	1716.8	1662.7	1601.4	1529.3	1447.0
-25°	1889.7	1868.3	1842.6	1811.5	1775.6	1734.1	1684.7	1628.5	1564.7	1492.0	1409.7
-27.5°	1862.1	1839.6	1811.5	1779.5	1742.1	1697.3	1647.0	1590.5	1524.9	1449.1	1366.3
-30°	1829.3	1804.8	1775.6	1742.1	1701.5	1656.3	1605.4	1545.2	1477.5	1402.2	1319.8
-32.5°	1791.3	1764.1	1734.1	1697.3	1656.3	1609.9	1555.4	1494.7	1425.6	1349.3	1266.4
-35°	1745.2	1716.8	1684.7	1647.0	1605.4	1555.4	1500.5	1436.9	1367.2	1292.1	1208.7
-37.5°	1691.5	1662.7	1628.5	1590.5	1545.2	1494.7	1436.9	1373.3	1305.1	1227.8	1143.8
-40°	1630.5	1601.4	1564.7	1524.9	1477.5	1425.6	1367.2	1305.1	1234.1	1157.7	1074.1
-42.5°	1560.7	1529.3	1492.0	1449.1	1402.2	1349.3	1292.1	1227.8	1157.7	1080.9	994.3
-45°	1480.6	1447.0	1409.7	1366.3	1319.8	1266.4	1208.7	1143.8	1074.1	994.3	909.7
-47.5°	1390.5	1356.7	1319.6	1276.2	1228.3	1176.0	1116.3	1053.1	979.1	901.9	818.7
-50°	1292.4	1257.9	1219.9	1177.3	1128.1	1075.7	1015.1	949.0	878.5	803.3	726.2
-52.5°	1184.3	1149.1	1110.2	1068.0	1017.8	962.8	904.2	840.0	772.8	704.1	633.5
-55°	1064.4	1028.6	988.3	944.3	896.3	843.2	786.9	728.2	667.7	604.5	547.8
-57.5°	929.0	894.9	856.3	814.2	768.6	720.9	670.6	617.4	567.4	517.2	466.8
-60°	786.9	755.1	720.9	683.6	643.2	600.5	560.8	518.9	474.8	438.8	401.6
-62.5°	646.7	618.7	590.0	560.8	529.3	495.5	462.6	433.1	402.0	370.1	341.7
-65°	520.4	498.7	474.8	454.3	432.3	408.7	383.5	359.6	336.1	311.5	286.6
-67.5°	416.5	401.6	385.1	368.0	351.7	334.1	315.3	295.4	277.6	260.2	241.9
-70°	331.4	320.4	308.3	295.0	282.4	270.2	257.0	243.1	228.4	215.4	203.1
-72.5°	260.8	253.3	245.0	235.8	225.9	217.2	208.5	199.2	189.5	179.2	169.0
-75°	204.8	199.9	194.5	188.6	182.1	175.2	168.4	161.4	154.1	146.4	138.3
-77.5°	159.4	155.9	151.9	147.6	142.9	137.8	132.4	126.5	120.1	113.4	106.3
-80°	117.3	114.3	111.0	107.4	103.4	99.2	94.6	89.8	84.7	79.6	74.4
-82.5°	74.3	72.3	70.1	67.6	64.9	62.0	59.0	55.7	52.2	48.5	44.7
-85°	36.2	35.3	34.3	33.1	31.9	30.6	29.2	27.7	26.1	24.4	22.7
-87.5°	10.1	9.9	9.7	9.5	9.3	9.0	8.8	8.5	8.2	7.9	7.6
-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: P645334 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-727-U-LAM-XX

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°	7.2	6.9	6.5	6.1	5.7	5.3	4.9	4.5	4.1	3.7	3.2
85°	20.9	19.0	17.0	14.9	12.8	10.7	9.9	9.0	8.2	7.3	6.4
82.5°	40.7	37.5	34.6	31.5	28.3	25.1	21.8	18.4	14.9	11.4	9.6
80°	69.1	63.5	57.8	51.8	45.7	39.5	35.0	30.5	25.9	21.2	16.4
77.5°	98.9	91.3	83.3	75.8	68.1	60.2	52.1	43.9	36.8	30.9	25.0
75°	129.8	120.7	111.2	101.3	91.2	80.9	71.2	61.4	51.3	41.0	33.5
72.5°	159.2	148.9	138.3	127.3	115.5	103.4	91.0	78.6	66.9	55.0	42.9
70°	190.3	177.0	164.4	151.9	139.1	125.7	111.6	97.1	82.4	68.8	55.0
67.5°	223.1	208.1	192.6	176.6	161.7	146.9	131.8	115.7	99.2	82.4	66.9
65°	265.5	243.6	221.6	203.8	185.6	167.7	150.9	133.7	115.7	97.1	78.6
62.5°	312.3	283.4	258.5	232.9	210.6	190.1	169.6	150.9	131.8	111.6	91.0
60°	364.7	331.4	297.0	267.5	238.9	212.9	190.1	167.7	146.9	125.7	103.4
57.5°	424.9	381.5	342.9	304.7	270.5	238.9	210.6	185.6	161.7	139.1	115.5
55°	489.2	439.0	390.8	346.8	304.7	267.5	232.9	203.8	176.6	151.9	127.3
52.5°	566.4	501.5	443.7	390.8	342.9	297.0	258.5	221.6	192.6	164.4	138.3
50°	648.0	572.6	501.5	439.0	381.5	331.4	283.4	243.6	208.1	177.0	148.9
47.5°	733.6	648.0	566.4	489.2	424.9	364.7	312.3	265.5	223.1	190.3	159.2
45°	818.7	726.2	633.5	547.8	466.8	401.6	341.7	286.6	241.9	203.1	169.0
42.5°	901.9	803.3	704.1	604.5	517.2	438.8	370.1	311.5	260.2	215.4	179.2
40°	979.1	878.5	772.8	667.7	567.4	474.8	402.0	336.1	277.6	228.4	189.5
37.5°	1053.1	949.0	840.0	728.2	617.4	518.9	433.1	359.6	295.4	243.1	199.2
35°	1116.3	1015.1	904.2	786.9	670.6	560.8	462.6	383.5	315.3	257.0	208.5
32.5°	1176.0	1075.7	962.8	843.2	720.9	600.5	495.5	408.7	334.1	270.2	217.2
30°	1228.3	1128.1	1017.8	896.3	768.6	643.2	529.3	432.3	351.7	282.4	225.9
27.5°	1276.2	1177.3	1068.0	944.3	814.2	683.6	560.8	454.3	368.0	295.0	235.8
25°	1319.6	1219.9	1110.2	988.3	856.3	720.9	590.0	474.8	385.1	308.3	245.0
22.5°	1356.7	1257.9	1149.1	1028.6	894.9	755.1	618.7	498.7	401.6	320.4	253.3
20°	1390.5	1292.4	1184.3	1064.4	929.0	786.9	646.7	520.4	416.5	331.4	260.8
17.5°	1420.4	1321.9	1213.2	1093.3	958.8	815.2	671.5	539.6	429.8	341.1	267.5
15°	1444.9	1346.4	1238.2	1118.6	984.9	840.0	693.3	556.4	441.3	349.6	273.3
12.5°	1465.9	1367.4	1259.5	1140.2	1007.2	861.1	711.8	570.7	451.2	356.8	278.3
10°	1483.2	1384.7	1277.0	1158.0	1025.5	878.5	727.0	582.5	459.2	362.7	282.3
7.5°	1496.8	1398.3	1290.8	1171.9	1039.9	892.1	738.9	591.6	465.6	367.3	285.5
5°	1506.6	1408.1	1300.7	1181.9	1050.1	901.9	747.5	598.2	470.1	370.6	287.8
2.5°	1512.5	1413.9	1306.6	1187.9	1056.3	907.7	752.6	602.2	472.8	372.6	289.1
0°	1514.5	1415.9	1308.6	1189.9	1058.4	909.7	754.3	603.5	473.7	373.3	289.6
-2.5°	1512.5	1413.9	1306.6	1187.9	1056.3	907.7	752.6	602.2	472.8	372.6	289.1
-5°	1506.6	1408.1	1300.7	1181.9	1050.1	901.9	747.5	598.2	470.1	370.6	287.8
-7.5°	1496.8	1398.3	1290.8	1171.9	1039.9	892.1	738.9	591.6	465.6	367.3	285.5
-10°	1483.2	1384.7	1277.0	1158.0	1025.5	878.5	727.0	582.5	459.2	362.7	282.3
-12.5°	1465.9	1367.4	1259.5	1140.2	1007.2	861.1	711.8	570.7	451.2	356.8	278.3
-15°	1444.9	1346.4	1238.2	1118.6	984.9	840.0	693.3	556.4	441.3	349.6	273.3
-17.5°	1420.4	1321.9	1213.2	1093.3	958.8	815.2	671.5	539.6	429.8	341.1	267.5
-20°	1390.5	1292.4	1184.3	1064.4	929.0	786.9	646.7	520.4	416.5	331.4	260.8



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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°	1356.7	1257.9	1149.1	1028.6	894.9	755.1	618.7	498.7	401.6	320.4	253.3
-25°	1319.6	1219.9	1110.2	988.3	856.3	720.9	590.0	474.8	385.1	308.3	245.0
-27.5°	1276.2	1177.3	1068.0	944.3	814.2	683.6	560.8	454.3	368.0	295.0	235.8
-30°	1228.3	1128.1	1017.8	896.3	768.6	643.2	529.3	432.3	351.7	282.4	225.9
-32.5°	1176.0	1075.7	962.8	843.2	720.9	600.5	495.5	408.7	334.1	270.2	217.2
-35°	1116.3	1015.1	904.2	786.9	670.6	560.8	462.6	383.5	315.3	257.0	208.5
-37.5°	1053.1	949.0	840.0	728.2	617.4	518.9	433.1	359.6	295.4	243.1	199.2
-40°	979.1	878.5	772.8	667.7	567.4	474.8	402.0	336.1	277.6	228.4	189.5
-42.5°	901.9	803.3	704.1	604.5	517.2	438.8	370.1	311.5	260.2	215.4	179.2
-45°	818.7	726.2	633.5	547.8	466.8	401.6	341.7	286.6	241.9	203.1	169.0
-47.5°	733.6	648.0	566.4	489.2	424.9	364.7	312.3	265.5	223.1	190.3	159.2
-50°	648.0	572.6	501.5	439.0	381.5	331.4	283.4	243.6	208.1	177.0	148.9
-52.5°	566.4	501.5	443.7	390.8	342.9	297.0	258.5	221.6	192.6	164.4	138.3
-55°	489.2	439.0	390.8	346.8	304.7	267.5	232.9	203.8	176.6	151.9	127.3
-57.5°	424.9	381.5	342.9	304.7	270.5	238.9	210.6	185.6	161.7	139.1	115.5
-60°	364.7	331.4	297.0	267.5	238.9	212.9	190.1	167.7	146.9	125.7	103.4
-62.5°	312.3	283.4	258.5	232.9	210.6	190.1	169.6	150.9	131.8	111.6	91.0
-65°	265.5	243.6	221.6	203.8	185.6	167.7	150.9	133.7	115.7	97.1	78.6
-67.5°	223.1	208.1	192.6	176.6	161.7	146.9	131.8	115.7	99.2	82.4	66.9
-70°	190.3	177.0	164.4	151.9	139.1	125.7	111.6	97.1	82.4	68.8	55.0
-72.5°	159.2	148.9	138.3	127.3	115.5	103.4	91.0	78.6	66.9	55.0	42.9
-75°	129.8	120.7	111.2	101.3	91.2	80.9	71.2	61.4	51.3	41.0	33.5
-77.5°	98.9	91.3	83.3	75.8	68.1	60.2	52.1	43.9	36.8	30.9	25.0
-80°	69.1	63.5	57.8	51.8	45.7	39.5	35.0	30.5	25.9	21.2	16.4
-82.5°	40.7	37.5	34.6	31.5	28.3	25.1	21.8	18.4	14.9	11.4	9.6
-85°	20.9	19.0	17.0	14.9	12.8	10.7	9.9	9.0	8.2	7.3	6.4
-87.5°	7.2	6.9	6.5	6.1	5.7	5.3	4.9	4.5	4.1	3.7	3.2
-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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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°	2.8	2.3	1.9	1.4	0.9	0.5	0.0
85°	5.5	4.6	3.7	2.8	1.9	0.9	0.0
82.5°	8.3	6.9	5.6	4.2	2.8	1.4	0.0
80°	11.6	9.2	7.4	5.6	3.7	1.9	0.0
77.5°	19.0	12.8	9.2	6.9	4.6	2.3	0.0
75°	26.3	19.0	11.6	8.3	5.5	2.8	0.0
72.5°	33.5	25.0	16.4	9.6	6.4	3.2	0.0
70°	41.0	30.9	21.2	11.4	7.3	3.7	0.0
67.5°	51.3	36.8	25.9	14.9	8.2	4.1	0.0
65°	61.4	43.9	30.5	18.4	9.0	4.5	0.0
62.5°	71.2	52.1	35.0	21.8	9.9	4.9	0.0
60°	80.9	60.2	39.5	25.1	10.7	5.3	0.0
57.5°	91.2	68.1	45.7	28.3	12.8	5.7	0.0
55°	101.3	75.8	51.8	31.5	14.9	6.1	0.0
52.5°	111.2	83.3	57.8	34.6	17.0	6.5	0.0
50°	120.7	91.3	63.5	37.5	19.0	6.9	0.0
47.5°	129.8	98.9	69.1	40.7	20.9	7.2	0.0
45°	138.3	106.3	74.4	44.7	22.7	7.6	0.0
42.5°	146.4	113.4	79.6	48.5	24.4	7.9	0.0
40°	154.1	120.1	84.7	52.2	26.1	8.2	0.0
37.5°	161.4	126.5	89.8	55.7	27.7	8.5	0.0
35°	168.4	132.4	94.6	59.0	29.2	8.8	0.0
32.5°	175.2	137.8	99.2	62.0	30.6	9.0	0.0
30°	182.1	142.9	103.4	64.9	31.9	9.3	0.0
27.5°	188.6	147.6	107.4	67.6	33.1	9.5	0.0
25°	194.5	151.9	111.0	70.1	34.3	9.7	0.0
22.5°	199.9	155.9	114.3	72.3	35.3	9.9	0.0
20°	204.8	159.4	117.3	74.3	36.2	10.1	0.0
17.5°	209.1	162.6	119.9	76.1	37.0	10.2	0.0
15°	212.9	165.3	122.2	77.7	37.7	10.3	0.0
12.5°	216.1	167.7	124.1	79.0	38.3	10.4	0.0
10°	218.7	169.6	125.7	80.1	38.8	10.5	0.0
7.5°	220.8	171.1	127.0	80.9	39.2	10.6	0.0
5°	222.2	172.1	127.9	81.5	39.5	10.7	0.0
2.5°	223.1	172.8	128.4	81.9	39.6	10.7	0.0
0°	223.4	173.0	128.6	82.0	39.7	10.7	0.0
-2.5°	223.1	172.8	128.4	81.9	39.6	10.7	0.0
-5°	222.2	172.1	127.9	81.5	39.5	10.7	0.0
-7.5°	220.8	171.1	127.0	80.9	39.2	10.6	0.0
-10°	218.7	169.6	125.7	80.1	38.8	10.5	0.0
-12.5°	216.1	167.7	124.1	79.0	38.3	10.4	0.0
-15°	212.9	165.3	122.2	77.7	37.7	10.3	0.0
-17.5°	209.1	162.6	119.9	76.1	37.0	10.2	0.0
-20°	204.8	159.4	117.3	74.3	36.2	10.1	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	199.9	155.9	114.3	72.3	35.3	9.9	0.0
-25°	194.5	151.9	111.0	70.1	34.3	9.7	0.0
-27.5°	188.6	147.6	107.4	67.6	33.1	9.5	0.0
-30°	182.1	142.9	103.4	64.9	31.9	9.3	0.0
-32.5°	175.2	137.8	99.2	62.0	30.6	9.0	0.0
-35°	168.4	132.4	94.6	59.0	29.2	8.8	0.0
-37.5°	161.4	126.5	89.8	55.7	27.7	8.5	0.0
-40°	154.1	120.1	84.7	52.2	26.1	8.2	0.0
-42.5°	146.4	113.4	79.6	48.5	24.4	7.9	0.0
-45°	138.3	106.3	74.4	44.7	22.7	7.6	0.0
-47.5°	129.8	98.9	69.1	40.7	20.9	7.2	0.0
-50°	120.7	91.3	63.5	37.5	19.0	6.9	0.0
-52.5°	111.2	83.3	57.8	34.6	17.0	6.5	0.0
-55°	101.3	75.8	51.8	31.5	14.9	6.1	0.0
-57.5°	91.2	68.1	45.7	28.3	12.8	5.7	0.0
-60°	80.9	60.2	39.5	25.1	10.7	5.3	0.0
-62.5°	71.2	52.1	35.0	21.8	9.9	4.9	0.0
-65°	61.4	43.9	30.5	18.4	9.0	4.5	0.0
-67.5°	51.3	36.8	25.9	14.9	8.2	4.1	0.0
-70°	41.0	30.9	21.2	11.4	7.3	3.7	0.0
-72.5°	33.5	25.0	16.4	9.6	6.4	3.2	0.0
-75°	26.3	19.0	11.6	8.3	5.5	2.8	0.0
-77.5°	19.0	12.8	9.2	6.9	4.6	2.3	0.0
-80°	11.6	9.2	7.4	5.6	3.7	1.9	0.0
-82.5°	8.3	6.9	5.6	4.2	2.8	1.4	0.0
-85°	5.5	4.6	3.7	2.8	1.9	0.9	0.0
-87.5°	2.8	2.3	1.9	1.4	0.9	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)