

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: P645444 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3E-730-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645444 (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-SA3E-730-U-LAM-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

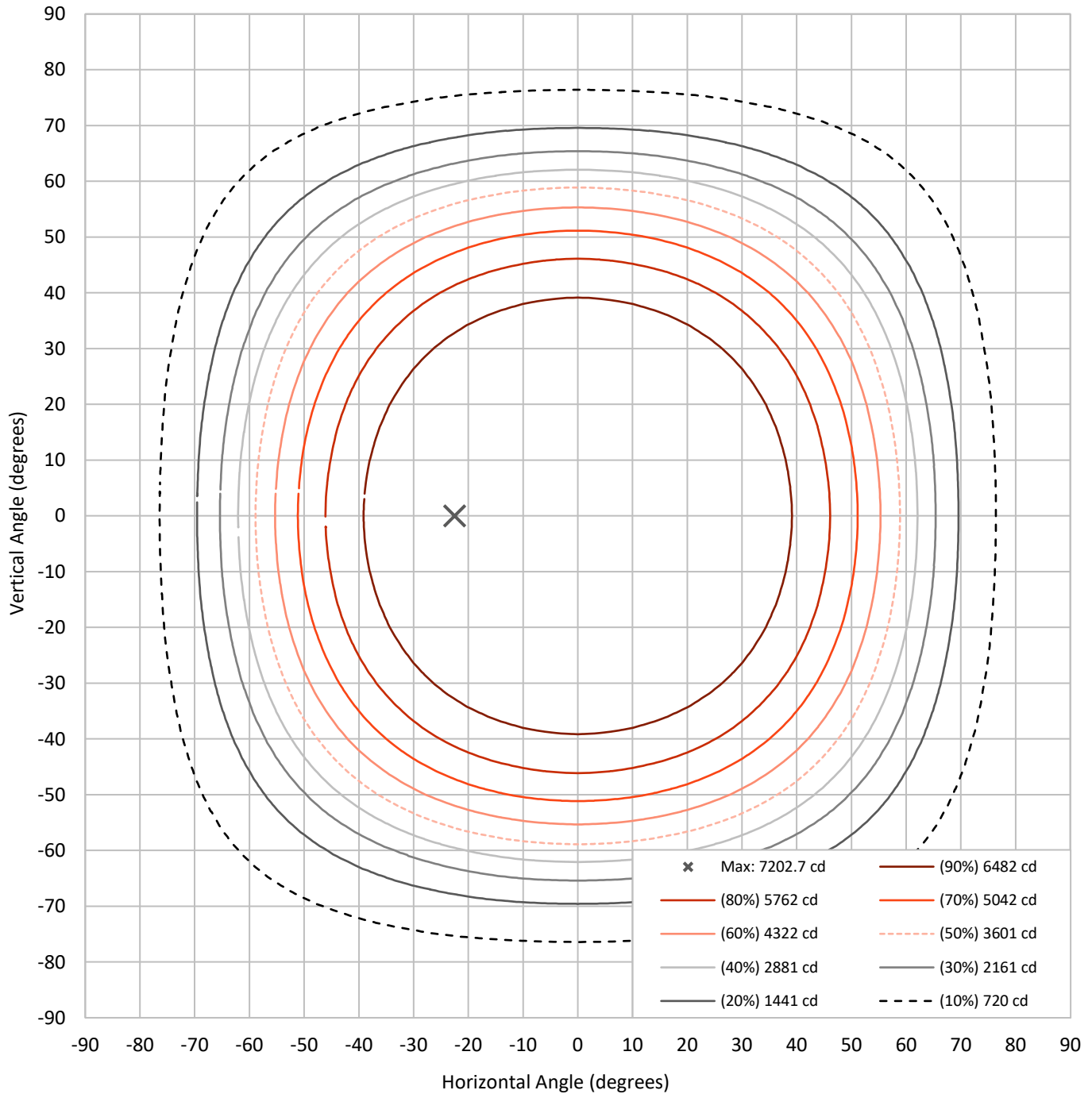
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	22033.5 lumens	Max Intensity:	7202.7 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	119.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' 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:	18336.7 lumens	Field Lumens:	21600.2 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	185.2		
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		



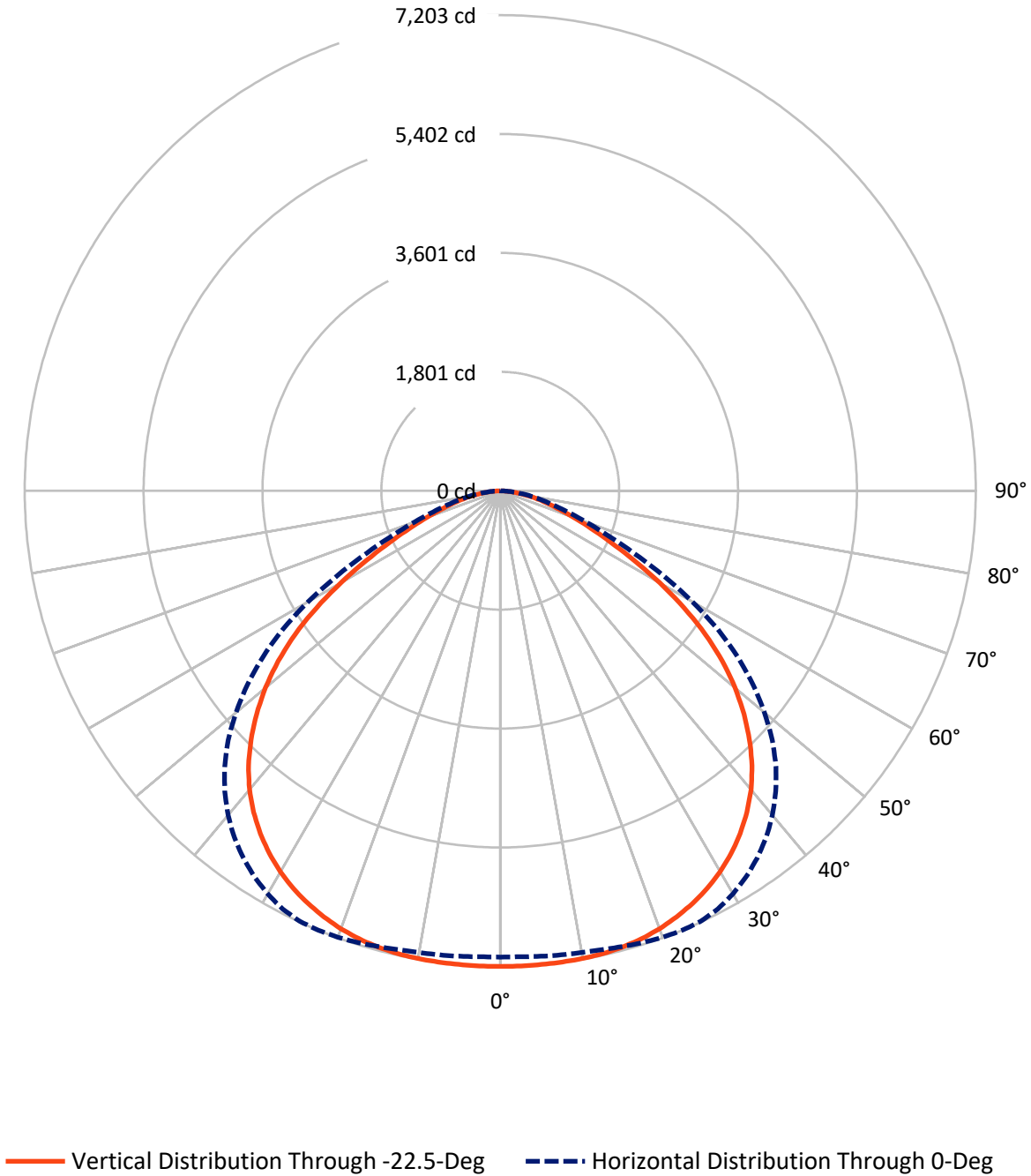
REPORT NUMBER: P645444 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



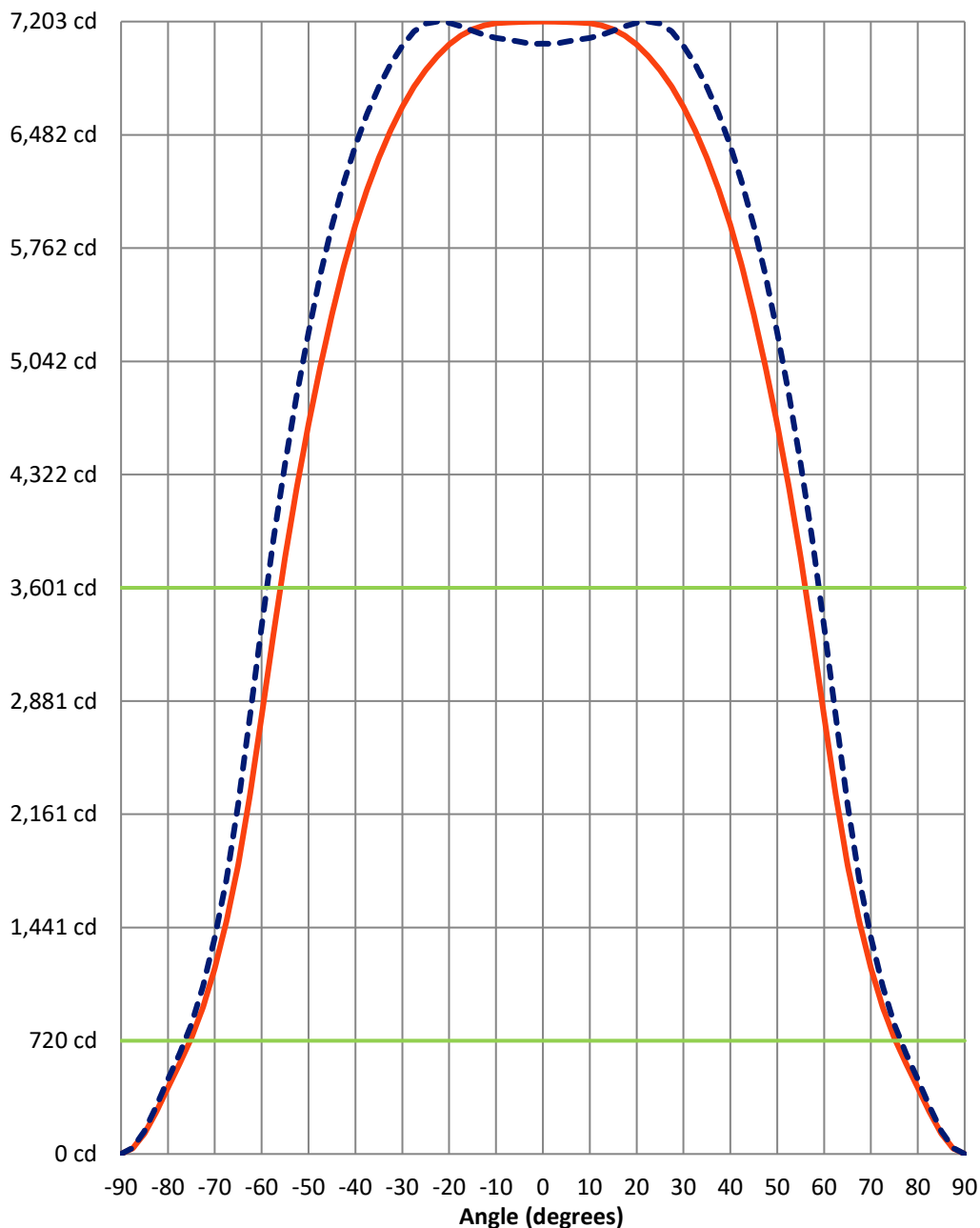
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 18336.7
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 21600.2
 Efficiency: 98.0%

Spill:
 Lumens: 433.3
 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	1.7	3.4	5.1	6.8	8.5	10.2	11.8	13.5	15.1	16.6
85°	0.0	3.4	6.9	10.3	13.7	17.0	20.4	23.7	26.9	30.1	33.3
82.5°	0.0	5.1	10.3	15.4	20.5	25.5	30.5	35.5	41.9	55.0	67.8
80°	0.0	6.8	13.7	20.5	27.2	33.9	42.7	60.5	78.2	95.6	112.7
77.5°	0.0	8.5	17.0	25.5	33.9	47.3	69.9	92.2	114.2	135.9	162.1
75°	0.0	10.2	20.4	30.5	42.7	69.9	96.9	123.6	151.5	189.3	226.5
72.5°	0.0	11.8	23.7	35.5	60.5	92.2	123.6	158.3	203.0	246.9	290.2
70°	0.0	13.5	26.9	41.9	78.2	114.2	151.5	203.0	253.8	304.0	358.3
67.5°	0.0	15.1	30.1	55.0	95.6	135.9	189.3	246.9	304.0	365.9	426.8
65°	0.0	16.6	33.3	67.8	112.7	162.1	226.5	290.2	358.3	426.8	493.3
62.5°	0.0	18.2	36.3	80.4	129.4	192.5	262.9	335.7	411.6	486.1	556.6
60°	0.0	19.7	39.4	92.7	145.8	222.3	298.6	381.4	463.9	542.0	618.6
57.5°	0.0	21.2	47.3	104.6	168.7	251.3	336.5	426.2	513.0	596.7	684.8
55°	0.0	22.6	55.1	116.3	191.3	279.6	373.9	469.7	560.5	651.7	752.0
52.5°	0.0	24.0	62.6	127.6	213.2	307.5	410.2	510.3	606.7	710.6	817.5
50°	0.0	25.3	69.9	138.6	234.5	336.8	445.3	549.5	653.2	767.8	898.8
47.5°	0.0	26.6	76.9	150.3	255.0	365.0	479.0	587.3	702.3	823.1	979.6
45°	0.0	27.9	83.7	165.1	274.7	392.2	510.1	623.7	749.6	892.7	1057.6
42.5°	0.0	29.0	90.2	179.2	293.6	418.2	540.0	661.3	795.0	960.0	1149.5
40°	0.0	30.2	96.4	192.7	312.5	443.1	568.5	699.2	842.8	1024.3	1240.3
37.5°	0.0	31.3	102.2	205.5	331.4	466.7	595.6	735.2	897.0	1090.1	1326.8
35°	0.0	32.3	107.8	217.6	349.2	488.3	621.3	769.2	948.4	1163.6	1415.2
32.5°	0.0	33.2	113.0	229.0	365.9	508.4	646.4	801.3	996.8	1232.9	1508.1
30°	0.0	34.1	117.8	239.6	381.6	527.1	672.0	833.6	1042.2	1297.8	1595.2
27.5°	0.0	34.9	122.3	249.5	396.1	544.5	695.7	870.2	1088.4	1358.1	1676.2
25°	0.0	35.7	126.5	258.5	409.4	560.5	717.6	903.9	1137.5	1421.0	1751.9
22.5°	0.0	36.4	130.2	266.8	421.6	575.0	737.6	934.7	1182.3	1481.9	1840.3
20°	0.0	37.0	133.6	274.2	432.6	588.2	755.6	962.4	1222.7	1536.9	1920.2
17.5°	0.0	37.6	136.7	280.8	442.3	599.8	771.5	987.1	1258.6	1585.8	1991.2
15°	0.0	38.1	139.3	286.6	450.8	609.9	785.4	1008.5	1289.9	1628.4	2053.2
12.5°	0.0	38.5	141.5	291.4	457.9	618.6	797.2	1026.8	1316.5	1664.7	2105.9
10°	0.0	38.8	143.3	295.5	463.9	625.7	807.0	1041.8	1338.4	1694.5	2149.3
7.5°	0.0	39.1	144.8	298.6	468.5	631.2	814.5	1053.5	1355.5	1717.8	2183.2
5°	0.0	39.2	145.8	300.8	471.8	635.1	820.0	1061.9	1367.7	1734.5	2207.5
2.5°	0.0	39.4	146.4	302.2	473.7	637.5	823.2	1066.9	1375.0	1744.6	2222.1
0°	0.0	39.4	146.6	302.6	474.4	638.3	824.3	1068.6	1377.5	1747.9	2227.0
-2.5°	0.0	39.4	146.4	302.2	473.7	637.5	823.2	1066.9	1375.0	1744.6	2222.1
-5°	0.0	39.2	145.8	300.8	471.8	635.1	820.0	1061.9	1367.7	1734.5	2207.5
-7.5°	0.0	39.1	144.8	298.6	468.5	631.2	814.5	1053.5	1355.5	1717.8	2183.2
-10°	0.0	38.8	143.3	295.5	463.9	625.7	807.0	1041.8	1338.4	1694.5	2149.3
-12.5°	0.0	38.5	141.5	291.4	457.9	618.6	797.2	1026.8	1316.5	1664.7	2105.9
-15°	0.0	38.1	139.3	286.6	450.8	609.9	785.4	1008.5	1289.9	1628.4	2053.2
-17.5°	0.0	37.6	136.7	280.8	442.3	599.8	771.5	987.1	1258.6	1585.8	1991.2
-20°	0.0	37.0	133.6	274.2	432.6	588.2	755.6	962.4	1222.7	1536.9	1920.2

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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	36.4	130.2	266.8	421.6	575.0	737.6	934.7	1182.3	1481.9	1840.3
-25°	0.0	35.7	126.5	258.5	409.4	560.5	717.6	903.9	1137.5	1421.0	1751.9
-27.5°	0.0	34.9	122.3	249.5	396.1	544.5	695.7	870.2	1088.4	1358.1	1676.2
-30°	0.0	34.1	117.8	239.6	381.6	527.1	672.0	833.6	1042.2	1297.8	1595.2
-32.5°	0.0	33.2	113.0	229.0	365.9	508.4	646.4	801.3	996.8	1232.9	1508.1
-35°	0.0	32.3	107.8	217.6	349.2	488.3	621.3	769.2	948.4	1163.6	1415.2
-37.5°	0.0	31.3	102.2	205.5	331.4	466.7	595.6	735.2	897.0	1090.1	1326.8
-40°	0.0	30.2	96.4	192.7	312.5	443.1	568.5	699.2	842.8	1024.3	1240.3
-42.5°	0.0	29.0	90.2	179.2	293.6	418.2	540.0	661.3	795.0	960.0	1149.5
-45°	0.0	27.9	83.7	165.1	274.7	392.2	510.1	623.7	749.6	892.7	1057.6
-47.5°	0.0	26.6	76.9	150.3	255.0	365.0	479.0	587.3	702.3	823.1	979.6
-50°	0.0	25.3	69.9	138.6	234.5	336.8	445.3	549.5	653.2	767.8	898.8
-52.5°	0.0	24.0	62.6	127.6	213.2	307.5	410.2	510.3	606.7	710.6	817.5
-55°	0.0	22.6	55.1	116.3	191.3	279.6	373.9	469.7	560.5	651.7	752.0
-57.5°	0.0	21.2	47.3	104.6	168.7	251.3	336.5	426.2	513.0	596.7	684.8
-60°	0.0	19.7	39.4	92.7	145.8	222.3	298.6	381.4	463.9	542.0	618.6
-62.5°	0.0	18.2	36.3	80.4	129.4	192.5	262.9	335.7	411.6	486.1	556.6
-65°	0.0	16.6	33.3	67.8	112.7	162.1	226.5	290.2	358.3	426.8	493.3
-67.5°	0.0	15.1	30.1	55.0	95.6	135.9	189.3	246.9	304.0	365.9	426.8
-70°	0.0	13.5	26.9	41.9	78.2	114.2	151.5	203.0	253.8	304.0	358.3
-72.5°	0.0	11.8	23.7	35.5	60.5	92.2	123.6	158.3	203.0	246.9	290.2
-75°	0.0	10.2	20.4	30.5	42.7	69.9	96.9	123.6	151.5	189.3	226.5
-77.5°	0.0	8.5	17.0	25.5	33.9	47.3	69.9	92.2	114.2	135.9	162.1
-80°	0.0	6.8	13.7	20.5	27.2	33.9	42.7	60.5	78.2	95.6	112.7
-82.5°	0.0	5.1	10.3	15.4	20.5	25.5	30.5	35.5	41.9	55.0	67.8
-85°	0.0	3.4	6.9	10.3	13.7	17.0	20.4	23.7	26.9	30.1	33.3
-87.5°	0.0	1.7	3.4	5.1	6.8	8.5	10.2	11.8	13.5	15.1	16.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: GFLD-SA3E-730-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°	18.2	19.7	21.2	22.6	24.0	25.3	26.6	27.9	29.0	30.2	31.3
85°	36.3	39.4	47.3	55.1	62.6	69.9	76.9	83.7	90.2	96.4	102.2
82.5°	80.4	92.7	104.6	116.3	127.6	138.6	150.3	165.1	179.2	192.7	205.5
80°	129.4	145.8	168.7	191.3	213.2	234.5	255.0	274.7	293.6	312.5	331.4
77.5°	192.5	222.3	251.3	279.6	307.5	336.8	365.0	392.2	418.2	443.1	466.7
75°	262.9	298.6	336.5	373.9	410.2	445.3	479.0	510.1	540.0	568.5	595.6
72.5°	335.7	381.4	426.2	469.7	510.3	549.5	587.3	623.7	661.3	699.2	735.2
70°	411.6	463.9	513.0	560.5	606.7	653.2	702.3	749.6	795.0	842.8	897.0
67.5°	486.1	542.0	596.7	651.7	710.6	767.8	823.1	892.7	960.0	1024.3	1090.1
65°	556.6	618.6	684.8	752.0	817.5	898.8	979.6	1057.6	1149.5	1240.3	1326.8
62.5°	625.9	701.4	777.1	859.3	953.8	1045.7	1152.2	1261.0	1365.6	1483.4	1598.2
60°	701.4	785.4	881.4	987.1	1095.9	1222.7	1345.7	1481.9	1619.3	1751.9	1914.7
57.5°	777.1	881.4	998.2	1124.2	1265.3	1407.8	1567.8	1722.6	1908.3	2093.8	2278.4
55°	859.3	987.1	1124.2	1279.6	1442.2	1619.7	1805.2	2021.5	2230.8	2463.9	2687.3
52.5°	953.8	1095.9	1265.3	1442.2	1637.1	1850.6	2089.9	2337.5	2598.3	2851.5	3099.9
50°	1045.7	1222.7	1407.8	1619.7	1850.6	2112.9	2391.3	2679.7	2964.4	3242.1	3502.1
47.5°	1152.2	1345.7	1567.8	1805.2	2089.9	2391.3	2706.9	3021.2	3328.2	3613.1	3885.9
45°	1261.0	1481.9	1722.6	2021.5	2337.5	2679.7	3021.2	3357.1	3669.0	3963.3	4220.9
42.5°	1365.6	1619.3	1908.3	2230.8	2598.3	2964.4	3328.2	3669.0	3988.5	4272.1	4530.7
40°	1483.4	1751.9	2093.8	2463.9	2851.5	3242.1	3613.1	3963.3	4272.1	4554.3	4816.2
37.5°	1598.2	1914.7	2278.4	2687.3	3099.9	3502.1	3885.9	4220.9	4530.7	4816.2	5067.5
35°	1707.1	2069.5	2474.5	2903.7	3336.9	3745.8	4119.4	4460.4	4768.3	5045.3	5302.2
32.5°	1828.3	2215.8	2660.1	3111.7	3552.8	3969.2	4339.6	4673.2	4979.2	5260.6	5515.7
30°	1953.2	2373.6	2836.3	3307.5	3755.6	4163.0	4532.7	4870.4	5174.1	5452.0	5702.0
27.5°	2069.5	2522.5	3004.4	3484.7	3940.9	4344.7	4709.3	5041.9	5347.3	5627.1	5869.4
25°	2177.0	2660.1	3160.0	3646.9	4096.9	4501.6	4869.5	5201.9	5505.5	5774.0	6009.6
22.5°	2283.1	2786.2	3302.5	3795.8	4240.2	4641.8	5006.5	5339.7	5643.5	5909.5	6135.6
20°	2386.2	2903.7	3428.3	3927.8	4370.3	4769.3	5131.1	5463.7	5759.4	6017.0	6242.0
17.5°	2478.0	3008.4	3538.3	4034.3	4477.2	4878.1	5241.4	5575.1	5863.7	6113.9	6333.9
15°	2558.2	3099.9	3634.5	4127.7	4569.1	4968.5	5331.8	5661.9	5948.5	6196.7	6415.1
12.5°	2626.5	3177.9	3716.6	4207.4	4647.7	5045.8	5409.3	5734.7	6016.6	6261.5	6475.2
10°	2682.8	3242.1	3784.2	4273.1	4712.6	5109.7	5473.4	5795.1	6073.0	6315.4	6525.3
7.5°	2726.7	3292.2	3837.1	4324.5	4763.4	5159.8	5523.6	5842.5	6117.4	6357.8	6564.8
5°	2758.2	3328.2	3875.1	4361.4	4799.8	5195.8	5559.7	5876.6	6149.4	6388.4	6593.4
2.5°	2777.1	3349.9	3897.9	4383.6	4821.8	5217.5	5581.5	5897.1	6168.7	6406.9	6610.6
0°	2783.4	3357.1	3905.5	4391.0	4829.1	5224.7	5588.8	5904.0	6175.1	6413.1	6616.4
-2.5°	2777.1	3349.9	3897.9	4383.6	4821.8	5217.5	5581.5	5897.1	6168.7	6406.9	6610.6
-5°	2758.2	3328.2	3875.1	4361.4	4799.8	5195.8	5559.7	5876.6	6149.4	6388.4	6593.4
-7.5°	2726.7	3292.2	3837.1	4324.5	4763.4	5159.8	5523.6	5842.5	6117.4	6357.8	6564.8
-10°	2682.8	3242.1	3784.2	4273.1	4712.6	5109.7	5473.4	5795.1	6073.0	6315.4	6525.3
-12.5°	2626.5	3177.9	3716.6	4207.4	4647.7	5045.8	5409.3	5734.7	6016.6	6261.5	6475.2
-15°	2558.2	3099.9	3634.5	4127.7	4569.1	4968.5	5331.8	5661.9	5948.5	6196.7	6415.1
-17.5°	2478.0	3008.4	3538.3	4034.3	4477.2	4878.1	5241.4	5575.1	5863.7	6113.9	6333.9
-20°	2386.2	2903.7	3428.3	3927.8	4370.3	4769.3	5131.1	5463.7	5759.4	6017.0	6242.0



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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°	2283.1	2786.2	3302.5	3795.8	4240.2	4641.8	5006.5	5339.7	5643.5	5909.5	6135.6
-25°	2177.0	2660.1	3160.0	3646.9	4096.9	4501.6	4869.5	5201.9	5505.5	5774.0	6009.6
-27.5°	2069.5	2522.5	3004.4	3484.7	3940.9	4344.7	4709.3	5041.9	5347.3	5627.1	5869.4
-30°	1953.2	2373.6	2836.3	3307.5	3755.6	4163.0	4532.7	4870.4	5174.1	5452.0	5702.0
-32.5°	1828.3	2215.8	2660.1	3111.7	3552.8	3969.2	4339.6	4673.2	4979.2	5260.6	5515.7
-35°	1707.1	2069.5	2474.5	2903.7	3336.9	3745.8	4119.4	4460.4	4768.3	5045.3	5302.2
-37.5°	1598.2	1914.7	2278.4	2687.3	3099.9	3502.1	3885.9	4220.9	4530.7	4816.2	5067.5
-40°	1483.4	1751.9	2093.8	2463.9	2851.5	3242.1	3613.1	3963.3	4272.1	4554.3	4816.2
-42.5°	1365.6	1619.3	1908.3	2230.8	2598.3	2964.4	3328.2	3669.0	3988.5	4272.1	4530.7
-45°	1261.0	1481.9	1722.6	2021.5	2337.5	2679.7	3021.2	3357.1	3669.0	3963.3	4220.9
-47.5°	1152.2	1345.7	1567.8	1805.2	2089.9	2391.3	2706.9	3021.2	3328.2	3613.1	3885.9
-50°	1045.7	1222.7	1407.8	1619.7	1850.6	2112.9	2391.3	2679.7	2964.4	3242.1	3502.1
-52.5°	953.8	1095.9	1265.3	1442.2	1637.1	1850.6	2089.9	2337.5	2598.3	2851.5	3099.9
-55°	859.3	987.1	1124.2	1279.6	1442.2	1619.7	1805.2	2021.5	2230.8	2463.9	2687.3
-57.5°	777.1	881.4	998.2	1124.2	1265.3	1407.8	1567.8	1722.6	1908.3	2093.8	2278.4
-60°	701.4	785.4	881.4	987.1	1095.9	1222.7	1345.7	1481.9	1619.3	1751.9	1914.7
-62.5°	625.9	701.4	777.1	859.3	953.8	1045.7	1152.2	1261.0	1365.6	1483.4	1598.2
-65°	556.6	618.6	684.8	752.0	817.5	898.8	979.6	1057.6	1149.5	1240.3	1326.8
-67.5°	486.1	542.0	596.7	651.7	710.6	767.8	823.1	892.7	960.0	1024.3	1090.1
-70°	411.6	463.9	513.0	560.5	606.7	653.2	702.3	749.6	795.0	842.8	897.0
-72.5°	335.7	381.4	426.2	469.7	510.3	549.5	587.3	623.7	661.3	699.2	735.2
-75°	262.9	298.6	336.5	373.9	410.2	445.3	479.0	510.1	540.0	568.5	595.6
-77.5°	192.5	222.3	251.3	279.6	307.5	336.8	365.0	392.2	418.2	443.1	466.7
-80°	129.4	145.8	168.7	191.3	213.2	234.5	255.0	274.7	293.6	312.5	331.4
-82.5°	80.4	92.7	104.6	116.3	127.6	138.6	150.3	165.1	179.2	192.7	205.5
-85°	36.3	39.4	47.3	55.1	62.6	69.9	76.9	83.7	90.2	96.4	102.2
-87.5°	18.2	19.7	21.2	22.6	24.0	25.3	26.6	27.9	29.0	30.2	31.3
-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: P645444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-730-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°	32.3	33.2	34.1	34.9	35.7	36.4	37.0	37.6	38.1	38.5	38.8
85°	107.8	113.0	117.8	122.3	126.5	130.2	133.6	136.7	139.3	141.5	143.3
82.5°	217.6	229.0	239.6	249.5	258.5	266.8	274.2	280.8	286.6	291.4	295.5
80°	349.2	365.9	381.6	396.1	409.4	421.6	432.6	442.3	450.8	457.9	463.9
77.5°	488.3	508.4	527.1	544.5	560.5	575.0	588.2	599.8	609.9	618.6	625.7
75°	621.3	646.4	672.0	695.7	717.6	737.6	755.6	771.5	785.4	797.2	807.0
72.5°	769.2	801.3	833.6	870.2	903.9	934.7	962.4	987.1	1008.5	1026.8	1041.8
70°	948.4	996.8	1042.2	1088.4	1137.5	1182.3	1222.7	1258.6	1289.9	1316.5	1338.4
67.5°	1163.6	1232.9	1297.8	1358.1	1421.0	1481.9	1536.9	1585.8	1628.4	1664.7	1694.5
65°	1415.2	1508.1	1595.2	1676.2	1751.9	1840.3	1920.2	1991.2	2053.2	2105.9	2149.3
62.5°	1707.1	1828.3	1953.2	2069.5	2177.0	2283.1	2386.2	2478.0	2558.2	2626.5	2682.8
60°	2069.5	2215.8	2373.6	2522.5	2660.1	2786.2	2903.7	3008.4	3099.9	3177.9	3242.1
57.5°	2474.5	2660.1	2836.3	3004.4	3160.0	3302.5	3428.3	3538.3	3634.5	3716.6	3784.2
55°	2903.7	3111.7	3307.5	3484.7	3646.9	3795.8	3927.8	4034.3	4127.7	4207.4	4273.1
52.5°	3336.9	3552.8	3755.6	3940.9	4096.9	4240.2	4370.3	4477.2	4569.1	4647.7	4712.6
50°	3745.8	3969.2	4163.0	4344.7	4501.6	4641.8	4769.3	4878.1	4968.5	5045.8	5109.7
47.5°	4119.4	4339.6	4532.7	4709.3	4869.5	5006.5	5131.1	5241.4	5331.8	5409.3	5473.4
45°	4460.4	4673.2	4870.4	5041.9	5201.9	5339.7	5463.7	5575.1	5661.9	5734.7	5795.1
42.5°	4768.3	4979.2	5174.1	5347.3	5505.5	5643.5	5759.4	5863.7	5948.5	6016.6	6073.0
40°	5045.3	5260.6	5452.0	5627.1	5774.0	5909.5	6017.0	6113.9	6196.7	6261.5	6315.4
37.5°	5302.2	5515.7	5702.0	5869.4	6009.6	6135.6	6242.0	6333.9	6415.1	6475.2	6525.3
35°	5537.1	5739.9	5924.2	6077.7	6216.7	6335.3	6440.1	6524.8	6600.3	6657.6	6703.2
32.5°	5739.9	5941.0	6112.2	6263.2	6398.9	6509.6	6610.1	6687.8	6756.2	6811.3	6853.8
30°	5924.2	6112.2	6278.9	6428.6	6552.2	6660.0	6750.4	6826.3	6889.5	6942.1	6979.4
27.5°	6077.7	6263.2	6428.6	6566.5	6684.8	6788.6	6871.4	6944.4	6999.6	7048.0	7080.1
25°	6216.7	6398.9	6552.2	6684.8	6799.6	6894.4	6973.2	7039.3	7088.3	7129.8	7153.7
22.5°	6335.3	6509.6	6660.0	6788.6	6894.4	6982.9	7057.2	7113.3	7153.3	7178.4	7192.5
20°	6440.1	6610.1	6750.4	6871.4	6973.2	7057.2	7121.7	7163.1	7191.0	7197.9	7202.0
17.5°	6524.8	6687.8	6826.3	6944.4	7039.3	7113.3	7163.1	7192.4	7200.7	7199.2	7195.0
15°	6600.3	6756.2	6889.5	6999.6	7088.3	7153.3	7191.0	7200.7	7198.2	7189.8	7176.9
12.5°	6657.6	6811.3	6942.1	7048.0	7129.8	7178.4	7197.9	7199.2	7189.8	7173.7	7155.3
10°	6703.2	6853.8	6979.4	7080.1	7153.7	7192.5	7202.0	7195.0	7176.9	7155.3	7134.8
7.5°	6739.3	6887.4	7009.1	7105.8	7169.3	7196.9	7198.9	7185.9	7164.1	7139.5	7117.4
5°	6765.5	6911.8	7030.7	7124.5	7180.8	7200.1	7196.7	7178.8	7153.4	7127.8	7107.5
2.5°	6781.3	6926.6	7043.8	7135.9	7187.7	7202.0	7195.3	7174.3	7146.7	7120.2	7101.0
0°	6786.6	6931.6	7048.2	7139.7	7190.1	7202.7	7194.8	7172.8	7144.4	7117.6	7098.7
-2.5°	6781.3	6926.6	7043.8	7135.9	7187.7	7202.0	7195.3	7174.3	7146.7	7120.2	7101.0
-5°	6765.5	6911.8	7030.7	7124.5	7180.8	7200.1	7196.7	7178.8	7153.4	7127.8	7107.5
-7.5°	6739.3	6887.4	7009.1	7105.8	7169.3	7196.9	7198.9	7185.9	7164.1	7139.5	7117.4
-10°	6703.2	6853.8	6979.4	7080.1	7153.7	7192.5	7202.0	7195.0	7176.9	7155.3	7134.8
-12.5°	6657.6	6811.3	6942.1	7048.0	7129.8	7178.4	7197.9	7199.2	7189.8	7173.7	7155.3
-15°	6600.3	6756.2	6889.5	6999.6	7088.3	7153.3	7191.0	7200.7	7198.2	7189.8	7176.9
-17.5°	6524.8	6687.8	6826.3	6944.4	7039.3	7113.3	7163.1	7192.4	7200.7	7199.2	7195.0
-20°	6440.1	6610.1	6750.4	6871.4	6973.2	7057.2	7121.7	7163.1	7191.0	7197.9	7202.0



REPORT NUMBER: P645444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6335.3	6509.6	6660.0	6788.6	6894.4	6982.9	7057.2	7113.3	7153.3	7178.4	7192.5
-25°	6216.7	6398.9	6552.2	6684.8	6799.6	6894.4	6973.2	7039.3	7088.3	7129.8	7153.7
-27.5°	6077.7	6263.2	6428.6	6566.5	6684.8	6788.6	6871.4	6944.4	6999.6	7048.0	7080.1
-30°	5924.2	6112.2	6278.9	6428.6	6552.2	6660.0	6750.4	6826.3	6889.5	6942.1	6979.4
-32.5°	5739.9	5941.0	6112.2	6263.2	6398.9	6509.6	6610.1	6687.8	6756.2	6811.3	6853.8
-35°	5537.1	5739.9	5924.2	6077.7	6216.7	6335.3	6440.1	6524.8	6600.3	6657.6	6703.2
-37.5°	5302.2	5515.7	5702.0	5869.4	6009.6	6135.6	6242.0	6333.9	6415.1	6475.2	6525.3
-40°	5045.3	5260.6	5452.0	5627.1	5774.0	5909.5	6017.0	6113.9	6196.7	6261.5	6315.4
-42.5°	4768.3	4979.2	5174.1	5347.3	5505.5	5643.5	5759.4	5863.7	5948.5	6016.6	6073.0
-45°	4460.4	4673.2	4870.4	5041.9	5201.9	5339.7	5463.7	5575.1	5661.9	5734.7	5795.1
-47.5°	4119.4	4339.6	4532.7	4709.3	4869.5	5006.5	5131.1	5241.4	5331.8	5409.3	5473.4
-50°	3745.8	3969.2	4163.0	4344.7	4501.6	4641.8	4769.3	4878.1	4968.5	5045.8	5109.7
-52.5°	3336.9	3552.8	3755.6	3940.9	4096.9	4240.2	4370.3	4477.2	4569.1	4647.7	4712.6
-55°	2903.7	3111.7	3307.5	3484.7	3646.9	3795.8	3927.8	4034.3	4127.7	4207.4	4273.1
-57.5°	2474.5	2660.1	2836.3	3004.4	3160.0	3302.5	3428.3	3538.3	3634.5	3716.6	3784.2
-60°	2069.5	2215.8	2373.6	2522.5	2660.1	2786.2	2903.7	3008.4	3099.9	3177.9	3242.1
-62.5°	1707.1	1828.3	1953.2	2069.5	2177.0	2283.1	2386.2	2478.0	2558.2	2626.5	2682.8
-65°	1415.2	1508.1	1595.2	1676.2	1751.9	1840.3	1920.2	1991.2	2053.2	2105.9	2149.3
-67.5°	1163.6	1232.9	1297.8	1358.1	1421.0	1481.9	1536.9	1585.8	1628.4	1664.7	1694.5
-70°	948.4	996.8	1042.2	1088.4	1137.5	1182.3	1222.7	1258.6	1289.9	1316.5	1338.4
-72.5°	769.2	801.3	833.6	870.2	903.9	934.7	962.4	987.1	1008.5	1026.8	1041.8
-75°	621.3	646.4	672.0	695.7	717.6	737.6	755.6	771.5	785.4	797.2	807.0
-77.5°	488.3	508.4	527.1	544.5	560.5	575.0	588.2	599.8	609.9	618.6	625.7
-80°	349.2	365.9	381.6	396.1	409.4	421.6	432.6	442.3	450.8	457.9	463.9
-82.5°	217.6	229.0	239.6	249.5	258.5	266.8	274.2	280.8	286.6	291.4	295.5
-85°	107.8	113.0	117.8	122.3	126.5	130.2	133.6	136.7	139.3	141.5	143.3
-87.5°	32.3	33.2	34.1	34.9	35.7	36.4	37.0	37.6	38.1	38.5	38.8
-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: P645444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-730-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°	39.1	39.2	39.4	39.4	39.4	39.2	39.1	38.8	38.5	38.1	37.6
85°	144.8	145.8	146.4	146.6	146.4	145.8	144.8	143.3	141.5	139.3	136.7
82.5°	298.6	300.8	302.2	302.6	302.2	300.8	298.6	295.5	291.4	286.6	280.8
80°	468.5	471.8	473.7	474.4	473.7	471.8	468.5	463.9	457.9	450.8	442.3
77.5°	631.2	635.1	637.5	638.3	637.5	635.1	631.2	625.7	618.6	609.9	599.8
75°	814.5	820.0	823.2	824.3	823.2	820.0	814.5	807.0	797.2	785.4	771.5
72.5°	1053.5	1061.9	1066.9	1068.6	1066.9	1061.9	1053.5	1041.8	1026.8	1008.5	987.1
70°	1355.5	1367.7	1375.0	1377.5	1375.0	1367.7	1355.5	1338.4	1316.5	1289.9	1258.6
67.5°	1717.8	1734.5	1744.6	1747.9	1744.6	1734.5	1717.8	1694.5	1664.7	1628.4	1585.8
65°	2183.2	2207.5	2222.1	2227.0	2222.1	2207.5	2183.2	2149.3	2105.9	2053.2	1991.2
62.5°	2726.7	2758.2	2777.1	2783.4	2777.1	2758.2	2726.7	2682.8	2626.5	2558.2	2478.0
60°	3292.2	3328.2	3349.9	3357.1	3349.9	3328.2	3292.2	3242.1	3177.9	3099.9	3008.4
57.5°	3837.1	3875.1	3897.9	3905.5	3897.9	3875.1	3837.1	3784.2	3716.6	3634.5	3538.3
55°	4324.5	4361.4	4383.6	4391.0	4383.6	4361.4	4324.5	4273.1	4207.4	4127.7	4034.3
52.5°	4763.4	4799.8	4821.8	4829.1	4821.8	4799.8	4763.4	4712.6	4647.7	4569.1	4477.2
50°	5159.8	5195.8	5217.5	5224.7	5217.5	5195.8	5159.8	5109.7	5045.8	4968.5	4878.1
47.5°	5523.6	5559.7	5581.5	5588.8	5581.5	5559.7	5523.6	5473.4	5409.3	5331.8	5241.4
45°	5842.5	5876.6	5897.1	5904.0	5897.1	5876.6	5842.5	5795.1	5734.7	5661.9	5575.1
42.5°	6117.4	6149.4	6168.7	6175.1	6168.7	6149.4	6117.4	6073.0	6016.6	5948.5	5863.7
40°	6357.8	6388.4	6406.9	6413.1	6406.9	6388.4	6357.8	6315.4	6261.5	6196.7	6113.9
37.5°	6564.8	6593.4	6610.6	6616.4	6610.6	6593.4	6564.8	6525.3	6475.2	6415.1	6333.9
35°	6739.3	6765.5	6781.3	6786.6	6781.3	6765.5	6739.3	6703.2	6657.6	6600.3	6524.8
32.5°	6887.4	6911.8	6926.6	6931.6	6926.6	6911.8	6887.4	6853.8	6811.3	6756.2	6687.8
30°	7009.1	7030.7	7043.8	7048.2	7043.8	7030.7	7009.1	6979.4	6942.1	6889.5	6826.3
27.5°	7105.8	7124.5	7135.9	7139.7	7135.9	7124.5	7105.8	7080.1	7048.0	6999.6	6944.4
25°	7169.3	7180.8	7187.7	7190.1	7187.7	7180.8	7169.3	7153.7	7129.8	7088.3	7039.3
22.5°	7196.9	7200.1	7202.0	7202.7	7202.0	7200.1	7196.9	7192.5	7178.4	7153.3	7113.3
20°	7198.9	7196.7	7195.3	7194.8	7195.3	7196.7	7198.9	7202.0	7197.9	7191.0	7163.1
17.5°	7185.9	7178.8	7174.3	7172.8	7174.3	7178.8	7185.9	7195.0	7199.2	7200.7	7192.4
15°	7164.1	7153.4	7146.7	7144.4	7146.7	7153.4	7164.1	7176.9	7189.8	7198.2	7200.7
12.5°	7139.5	7127.8	7120.2	7117.6	7120.2	7127.8	7139.5	7155.3	7173.7	7189.8	7199.2
10°	7117.4	7107.5	7101.0	7098.7	7101.0	7107.5	7117.4	7134.8	7155.3	7176.9	7195.0
7.5°	7103.2	7094.3	7089.5	7087.7	7089.5	7094.3	7103.2	7117.4	7139.5	7164.1	7185.9
5°	7094.3	7085.5	7078.0	7075.0	7078.0	7085.5	7094.3	7107.5	7127.8	7153.4	7178.8
2.5°	7089.5	7078.0	7066.7	7060.9	7066.7	7078.0	7089.5	7101.0	7120.2	7146.7	7174.3
0°	7087.7	7075.0	7060.9	7062.4	7060.9	7075.0	7087.7	7098.7	7117.6	7144.4	7172.8
-2.5°	7089.5	7078.0	7066.7	7060.9	7066.7	7078.0	7089.5	7101.0	7120.2	7146.7	7174.3
-5°	7094.3	7085.5	7078.0	7075.0	7078.0	7085.5	7094.3	7107.5	7127.8	7153.4	7178.8
-7.5°	7103.2	7094.3	7089.5	7087.7	7089.5	7094.3	7103.2	7117.4	7139.5	7164.1	7185.9
-10°	7117.4	7107.5	7101.0	7098.7	7101.0	7107.5	7117.4	7134.8	7155.3	7176.9	7195.0
-12.5°	7139.5	7127.8	7120.2	7117.6	7120.2	7127.8	7139.5	7155.3	7173.7	7189.8	7199.2
-15°	7164.1	7153.4	7146.7	7144.4	7146.7	7153.4	7164.1	7176.9	7189.8	7198.2	7200.7
-17.5°	7185.9	7178.8	7174.3	7172.8	7174.3	7178.8	7185.9	7195.0	7199.2	7200.7	7192.4
-20°	7198.9	7196.7	7195.3	7194.8	7195.3	7196.7	7198.9	7202.0	7197.9	7191.0	7163.1



REPORT NUMBER: P645444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-730-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°	7196.9	7200.1	7202.0	7202.7	7202.0	7200.1	7196.9	7192.5	7178.4	7153.3	7113.3
-25°	7169.3	7180.8	7187.7	7190.1	7187.7	7180.8	7169.3	7153.7	7129.8	7088.3	7039.3
-27.5°	7105.8	7124.5	7135.9	7139.7	7135.9	7124.5	7105.8	7080.1	7048.0	6999.6	6944.4
-30°	7009.1	7030.7	7043.8	7048.2	7043.8	7030.7	7009.1	6979.4	6942.1	6889.5	6826.3
-32.5°	6887.4	6911.8	6926.6	6931.6	6926.6	6911.8	6887.4	6853.8	6811.3	6756.2	6687.8
-35°	6739.3	6765.5	6781.3	6786.6	6781.3	6765.5	6739.3	6703.2	6657.6	6600.3	6524.8
-37.5°	6564.8	6593.4	6610.6	6616.4	6610.6	6593.4	6564.8	6525.3	6475.2	6415.1	6333.9
-40°	6357.8	6388.4	6406.9	6413.1	6406.9	6388.4	6357.8	6315.4	6261.5	6196.7	6113.9
-42.5°	6117.4	6149.4	6168.7	6175.1	6168.7	6149.4	6117.4	6073.0	6016.6	5948.5	5863.7
-45°	5842.5	5876.6	5897.1	5904.0	5897.1	5876.6	5842.5	5795.1	5734.7	5661.9	5575.1
-47.5°	5523.6	5559.7	5581.5	5588.8	5581.5	5559.7	5523.6	5473.4	5409.3	5331.8	5241.4
-50°	5159.8	5195.8	5217.5	5224.7	5217.5	5195.8	5159.8	5109.7	5045.8	4968.5	4878.1
-52.5°	4763.4	4799.8	4821.8	4829.1	4821.8	4799.8	4763.4	4712.6	4647.7	4569.1	4477.2
-55°	4324.5	4361.4	4383.6	4391.0	4383.6	4361.4	4324.5	4273.1	4207.4	4127.7	4034.3
-57.5°	3837.1	3875.1	3897.9	3905.5	3897.9	3875.1	3837.1	3784.2	3716.6	3634.5	3538.3
-60°	3292.2	3328.2	3349.9	3357.1	3349.9	3328.2	3292.2	3242.1	3177.9	3099.9	3008.4
-62.5°	2726.7	2758.2	2777.1	2783.4	2777.1	2758.2	2726.7	2682.8	2626.5	2558.2	2478.0
-65°	2183.2	2207.5	2222.1	2227.0	2222.1	2207.5	2183.2	2149.3	2105.9	2053.2	1991.2
-67.5°	1717.8	1734.5	1744.6	1747.9	1744.6	1734.5	1717.8	1694.5	1664.7	1628.4	1585.8
-70°	1355.5	1367.7	1375.0	1377.5	1375.0	1367.7	1355.5	1338.4	1316.5	1289.9	1258.6
-72.5°	1053.5	1061.9	1066.9	1068.6	1066.9	1061.9	1053.5	1041.8	1026.8	1008.5	987.1
-75°	814.5	820.0	823.2	824.3	823.2	820.0	814.5	807.0	797.2	785.4	771.5
-77.5°	631.2	635.1	637.5	638.3	637.5	635.1	631.2	625.7	618.6	609.9	599.8
-80°	468.5	471.8	473.7	474.4	473.7	471.8	468.5	463.9	457.9	450.8	442.3
-82.5°	298.6	300.8	302.2	302.6	302.2	300.8	298.6	295.5	291.4	286.6	280.8
-85°	144.8	145.8	146.4	146.6	146.4	145.8	144.8	143.3	141.5	139.3	136.7
-87.5°	39.1	39.2	39.4	39.4	39.4	39.2	39.1	38.8	38.5	38.1	37.6
-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: P645444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-730-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°	37.0	36.4	35.7	34.9	34.1	33.2	32.3	31.3	30.2	29.0	27.9
85°	133.6	130.2	126.5	122.3	117.8	113.0	107.8	102.2	96.4	90.2	83.7
82.5°	274.2	266.8	258.5	249.5	239.6	229.0	217.6	205.5	192.7	179.2	165.1
80°	432.6	421.6	409.4	396.1	381.6	365.9	349.2	331.4	312.5	293.6	274.7
77.5°	588.2	575.0	560.5	544.5	527.1	508.4	488.3	466.7	443.1	418.2	392.2
75°	755.6	737.6	717.6	695.7	672.0	646.4	621.3	595.6	568.5	540.0	510.1
72.5°	962.4	934.7	903.9	870.2	833.6	801.3	769.2	735.2	699.2	661.3	623.7
70°	1222.7	1182.3	1137.5	1088.4	1042.2	996.8	948.4	897.0	842.8	795.0	749.6
67.5°	1536.9	1481.9	1421.0	1358.1	1297.8	1232.9	1163.6	1090.1	1024.3	960.0	892.7
65°	1920.2	1840.3	1751.9	1676.2	1595.2	1508.1	1415.2	1326.8	1240.3	1149.5	1057.6
62.5°	2386.2	2283.1	2177.0	2069.5	1953.2	1828.3	1707.1	1598.2	1483.4	1365.6	1261.0
60°	2903.7	2786.2	2660.1	2522.5	2373.6	2215.8	2069.5	1914.7	1751.9	1619.3	1481.9
57.5°	3428.3	3302.5	3160.0	3004.4	2836.3	2660.1	2474.5	2278.4	2093.8	1908.3	1722.6
55°	3927.8	3795.8	3646.9	3484.7	3307.5	3111.7	2903.7	2687.3	2463.9	2230.8	2021.5
52.5°	4370.3	4240.2	4096.9	3940.9	3755.6	3552.8	3336.9	3099.9	2851.5	2598.3	2337.5
50°	4769.3	4641.8	4501.6	4344.7	4163.0	3969.2	3745.8	3502.1	3242.1	2964.4	2679.7
47.5°	5131.1	5006.5	4869.5	4709.3	4532.7	4339.6	4119.4	3885.9	3613.1	3328.2	3021.2
45°	5463.7	5339.7	5201.9	5041.9	4870.4	4673.2	4460.4	4220.9	3963.3	3669.0	3357.1
42.5°	5759.4	5643.5	5505.5	5347.3	5174.1	4979.2	4768.3	4530.7	4272.1	3988.5	3669.0
40°	6017.0	5909.5	5774.0	5627.1	5452.0	5260.6	5045.3	4816.2	4554.3	4272.1	3963.3
37.5°	6242.0	6135.6	6009.6	5869.4	5702.0	5515.7	5302.2	5067.5	4816.2	4530.7	4220.9
35°	6440.1	6335.3	6216.7	6077.7	5924.2	5739.9	5537.1	5302.2	5045.3	4768.3	4460.4
32.5°	6610.1	6509.6	6398.9	6263.2	6112.2	5941.0	5739.9	5515.7	5260.6	4979.2	4673.2
30°	6750.4	6660.0	6552.2	6428.6	6278.9	6112.2	5924.2	5702.0	5452.0	5174.1	4870.4
27.5°	6871.4	6788.6	6684.8	6566.5	6428.6	6263.2	6077.7	5869.4	5627.1	5347.3	5041.9
25°	6973.2	6894.4	6799.6	6684.8	6552.2	6398.9	6216.7	6009.6	5774.0	5505.5	5201.9
22.5°	7057.2	6982.9	6894.4	6788.6	6660.0	6509.6	6335.3	6135.6	5909.5	5643.5	5339.7
20°	7121.7	7057.2	6973.2	6871.4	6750.4	6610.1	6440.1	6242.0	6017.0	5759.4	5463.7
17.5°	7163.1	7113.3	7039.3	6944.4	6826.3	6687.8	6524.8	6333.9	6113.9	5863.7	5575.1
15°	7191.0	7153.3	7088.3	6999.6	6889.5	6756.2	6600.3	6415.1	6196.7	5948.5	5661.9
12.5°	7197.9	7178.4	7129.8	7048.0	6942.1	6811.3	6657.6	6475.2	6261.5	6016.6	5734.7
10°	7202.0	7192.5	7153.7	7080.1	6979.4	6853.8	6703.2	6525.3	6315.4	6073.0	5795.1
7.5°	7198.9	7196.9	7169.3	7105.8	7009.1	6887.4	6739.3	6564.8	6357.8	6117.4	5842.5
5°	7196.7	7200.1	7180.8	7124.5	7030.7	6911.8	6765.5	6593.4	6388.4	6149.4	5876.6
2.5°	7195.3	7202.0	7187.7	7135.9	7043.8	6926.6	6781.3	6610.6	6406.9	6168.7	5897.1
0°	7194.8	7202.7	7190.1	7139.7	7048.2	6931.6	6786.6	6616.4	6413.1	6175.1	5904.0
-2.5°	7195.3	7202.0	7187.7	7135.9	7043.8	6926.6	6781.3	6610.6	6406.9	6168.7	5897.1
-5°	7196.7	7200.1	7180.8	7124.5	7030.7	6911.8	6765.5	6593.4	6388.4	6149.4	5876.6
-7.5°	7198.9	7196.9	7169.3	7105.8	7009.1	6887.4	6739.3	6564.8	6357.8	6117.4	5842.5
-10°	7202.0	7192.5	7153.7	7080.1	6979.4	6853.8	6703.2	6525.3	6315.4	6073.0	5795.1
-12.5°	7197.9	7178.4	7129.8	7048.0	6942.1	6811.3	6657.6	6475.2	6261.5	6016.6	5734.7
-15°	7191.0	7153.3	7088.3	6999.6	6889.5	6756.2	6600.3	6415.1	6196.7	5948.5	5661.9
-17.5°	7163.1	7113.3	7039.3	6944.4	6826.3	6687.8	6524.8	6333.9	6113.9	5863.7	5575.1
-20°	7121.7	7057.2	6973.2	6871.4	6750.4	6610.1	6440.1	6242.0	6017.0	5759.4	5463.7

Classified

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

Scaled Data Report



REPORT NUMBER: P645444 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3E-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7057.2	6982.9	6894.4	6788.6	6660.0	6509.6	6335.3	6135.6	5909.5	5643.5	5339.7
-25°	6973.2	6894.4	6799.6	6684.8	6552.2	6398.9	6216.7	6009.6	5774.0	5505.5	5201.9
-27.5°	6871.4	6788.6	6684.8	6566.5	6428.6	6263.2	6077.7	5869.4	5627.1	5347.3	5041.9
-30°	6750.4	6660.0	6552.2	6428.6	6278.9	6112.2	5924.2	5702.0	5452.0	5174.1	4870.4
-32.5°	6610.1	6509.6	6398.9	6263.2	6112.2	5941.0	5739.9	5515.7	5260.6	4979.2	4673.2
-35°	6440.1	6335.3	6216.7	6077.7	5924.2	5739.9	5537.1	5302.2	5045.3	4768.3	4460.4
-37.5°	6242.0	6135.6	6009.6	5869.4	5702.0	5515.7	5302.2	5067.5	4816.2	4530.7	4220.9
-40°	6017.0	5909.5	5774.0	5627.1	5452.0	5260.6	5045.3	4816.2	4554.3	4272.1	3963.3
-42.5°	5759.4	5643.5	5505.5	5347.3	5174.1	4979.2	4768.3	4530.7	4272.1	3988.5	3669.0
-45°	5463.7	5339.7	5201.9	5041.9	4870.4	4673.2	4460.4	4220.9	3963.3	3669.0	3357.1
-47.5°	5131.1	5006.5	4869.5	4709.3	4532.7	4339.6	4119.4	3885.9	3613.1	3328.2	3021.2
-50°	4769.3	4641.8	4501.6	4344.7	4163.0	3969.2	3745.8	3502.1	3242.1	2964.4	2679.7
-52.5°	4370.3	4240.2	4096.9	3940.9	3755.6	3552.8	3336.9	3099.9	2851.5	2598.3	2337.5
-55°	3927.8	3795.8	3646.9	3484.7	3307.5	3111.7	2903.7	2687.3	2463.9	2230.8	2021.5
-57.5°	3428.3	3302.5	3160.0	3004.4	2836.3	2660.1	2474.5	2278.4	2093.8	1908.3	1722.6
-60°	2903.7	2786.2	2660.1	2522.5	2373.6	2215.8	2069.5	1914.7	1751.9	1619.3	1481.9
-62.5°	2386.2	2283.1	2177.0	2069.5	1953.2	1828.3	1707.1	1598.2	1483.4	1365.6	1261.0
-65°	1920.2	1840.3	1751.9	1676.2	1595.2	1508.1	1415.2	1326.8	1240.3	1149.5	1057.6
-67.5°	1536.9	1481.9	1421.0	1358.1	1297.8	1232.9	1163.6	1090.1	1024.3	960.0	892.7
-70°	1222.7	1182.3	1137.5	1088.4	1042.2	996.8	948.4	897.0	842.8	795.0	749.6
-72.5°	962.4	934.7	903.9	870.2	833.6	801.3	769.2	735.2	699.2	661.3	623.7
-75°	755.6	737.6	717.6	695.7	672.0	646.4	621.3	595.6	568.5	540.0	510.1
-77.5°	588.2	575.0	560.5	544.5	527.1	508.4	488.3	466.7	443.1	418.2	392.2
-80°	432.6	421.6	409.4	396.1	381.6	365.9	349.2	331.4	312.5	293.6	274.7
-82.5°	274.2	266.8	258.5	249.5	239.6	229.0	217.6	205.5	192.7	179.2	165.1
-85°	133.6	130.2	126.5	122.3	117.8	113.0	107.8	102.2	96.4	90.2	83.7
-87.5°	37.0	36.4	35.7	34.9	34.1	33.2	32.3	31.3	30.2	29.0	27.9
-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: P645444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-730-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°	26.6	25.3	24.0	22.6	21.2	19.7	18.2	16.6	15.1	13.5	11.8
85°	76.9	69.9	62.6	55.1	47.3	39.4	36.3	33.3	30.1	26.9	23.7
82.5°	150.3	138.6	127.6	116.3	104.6	92.7	80.4	67.8	55.0	41.9	35.5
80°	255.0	234.5	213.2	191.3	168.7	145.8	129.4	112.7	95.6	78.2	60.5
77.5°	365.0	336.8	307.5	279.6	251.3	222.3	192.5	162.1	135.9	114.2	92.2
75°	479.0	445.3	410.2	373.9	336.5	298.6	262.9	226.5	189.3	151.5	123.6
72.5°	587.3	549.5	510.3	469.7	426.2	381.4	335.7	290.2	246.9	203.0	158.3
70°	702.3	653.2	606.7	560.5	513.0	463.9	411.6	358.3	304.0	253.8	203.0
67.5°	823.1	767.8	710.6	651.7	596.7	542.0	486.1	426.8	365.9	304.0	246.9
65°	979.6	898.8	817.5	752.0	684.8	618.6	556.6	493.3	426.8	358.3	290.2
62.5°	1152.2	1045.7	953.8	859.3	777.1	701.4	625.9	556.6	486.1	411.6	335.7
60°	1345.7	1222.7	1095.9	987.1	881.4	785.4	701.4	618.6	542.0	463.9	381.4
57.5°	1567.8	1407.8	1265.3	1124.2	998.2	881.4	777.1	684.8	596.7	513.0	426.2
55°	1805.2	1619.7	1442.2	1279.6	1124.2	987.1	859.3	752.0	651.7	560.5	469.7
52.5°	2089.9	1850.6	1637.1	1442.2	1265.3	1095.9	953.8	817.5	710.6	606.7	510.3
50°	2391.3	2112.9	1850.6	1619.7	1407.8	1222.7	1045.7	898.8	767.8	653.2	549.5
47.5°	2706.9	2391.3	2089.9	1805.2	1567.8	1345.7	1152.2	979.6	823.1	702.3	587.3
45°	3021.2	2679.7	2337.5	2021.5	1722.6	1481.9	1261.0	1057.6	892.7	749.6	623.7
42.5°	3328.2	2964.4	2598.3	2230.8	1908.3	1619.3	1365.6	1149.5	960.0	795.0	661.3
40°	3613.1	3242.1	2851.5	2463.9	2093.8	1751.9	1483.4	1240.3	1024.3	842.8	699.2
37.5°	3885.9	3502.1	3099.9	2687.3	2278.4	1914.7	1598.2	1326.8	1090.1	897.0	735.2
35°	4119.4	3745.8	3336.9	2903.7	2474.5	2069.5	1707.1	1415.2	1163.6	948.4	769.2
32.5°	4339.6	3969.2	3552.8	3111.7	2660.1	2215.8	1828.3	1508.1	1232.9	996.8	801.3
30°	4532.7	4163.0	3755.6	3307.5	2836.3	2373.6	1953.2	1595.2	1297.8	1042.2	833.6
27.5°	4709.3	4344.7	3940.9	3484.7	3004.4	2522.5	2069.5	1676.2	1358.1	1088.4	870.2
25°	4869.5	4501.6	4096.9	3646.9	3160.0	2660.1	2177.0	1751.9	1421.0	1137.5	903.9
22.5°	5006.5	4641.8	4240.2	3795.8	3302.5	2786.2	2283.1	1840.3	1481.9	1182.3	934.7
20°	5131.1	4769.3	4370.3	3927.8	3428.3	2903.7	2386.2	1920.2	1536.9	1222.7	962.4
17.5°	5241.4	4878.1	4477.2	4034.3	3538.3	3008.4	2478.0	1991.2	1585.8	1258.6	987.1
15°	5331.8	4968.5	4569.1	4127.7	3634.5	3099.9	2558.2	2053.2	1628.4	1289.9	1008.5
12.5°	5409.3	5045.8	4647.7	4207.4	3716.6	3177.9	2626.5	2105.9	1664.7	1316.5	1026.8
10°	5473.4	5109.7	4712.6	4273.1	3784.2	3242.1	2682.8	2149.3	1694.5	1338.4	1041.8
7.5°	5523.6	5159.8	4763.4	4324.5	3837.1	3292.2	2726.7	2183.2	1717.8	1355.5	1053.5
5°	5559.7	5195.8	4799.8	4361.4	3875.1	3328.2	2758.2	2207.5	1734.5	1367.7	1061.9
2.5°	5581.5	5217.5	4821.8	4383.6	3897.9	3349.9	2777.1	2222.1	1744.6	1375.0	1066.9
0°	5588.8	5224.7	4829.1	4391.0	3905.5	3357.1	2783.4	2227.0	1747.9	1377.5	1068.6
-2.5°	5581.5	5217.5	4821.8	4383.6	3897.9	3349.9	2777.1	2222.1	1744.6	1375.0	1066.9
-5°	5559.7	5195.8	4799.8	4361.4	3875.1	3328.2	2758.2	2207.5	1734.5	1367.7	1061.9
-7.5°	5523.6	5159.8	4763.4	4324.5	3837.1	3292.2	2726.7	2183.2	1717.8	1355.5	1053.5
-10°	5473.4	5109.7	4712.6	4273.1	3784.2	3242.1	2682.8	2149.3	1694.5	1338.4	1041.8
-12.5°	5409.3	5045.8	4647.7	4207.4	3716.6	3177.9	2626.5	2105.9	1664.7	1316.5	1026.8
-15°	5331.8	4968.5	4569.1	4127.7	3634.5	3099.9	2558.2	2053.2	1628.4	1289.9	1008.5
-17.5°	5241.4	4878.1	4477.2	4034.3	3538.3	3008.4	2478.0	1991.2	1585.8	1258.6	987.1
-20°	5131.1	4769.3	4370.3	3927.8	3428.3	2903.7	2386.2	1920.2	1536.9	1222.7	962.4



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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°	5006.5	4641.8	4240.2	3795.8	3302.5	2786.2	2283.1	1840.3	1481.9	1182.3	934.7
-25°	4869.5	4501.6	4096.9	3646.9	3160.0	2660.1	2177.0	1751.9	1421.0	1137.5	903.9
-27.5°	4709.3	4344.7	3940.9	3484.7	3004.4	2522.5	2069.5	1676.2	1358.1	1088.4	870.2
-30°	4532.7	4163.0	3755.6	3307.5	2836.3	2373.6	1953.2	1595.2	1297.8	1042.2	833.6
-32.5°	4339.6	3969.2	3552.8	3111.7	2660.1	2215.8	1828.3	1508.1	1232.9	996.8	801.3
-35°	4119.4	3745.8	3336.9	2903.7	2474.5	2069.5	1707.1	1415.2	1163.6	948.4	769.2
-37.5°	3885.9	3502.1	3099.9	2687.3	2278.4	1914.7	1598.2	1326.8	1090.1	897.0	735.2
-40°	3613.1	3242.1	2851.5	2463.9	2093.8	1751.9	1483.4	1240.3	1024.3	842.8	699.2
-42.5°	3328.2	2964.4	2598.3	2230.8	1908.3	1619.3	1365.6	1149.5	960.0	795.0	661.3
-45°	3021.2	2679.7	2337.5	2021.5	1722.6	1481.9	1261.0	1057.6	892.7	749.6	623.7
-47.5°	2706.9	2391.3	2089.9	1805.2	1567.8	1345.7	1152.2	979.6	823.1	702.3	587.3
-50°	2391.3	2112.9	1850.6	1619.7	1407.8	1222.7	1045.7	898.8	767.8	653.2	549.5
-52.5°	2089.9	1850.6	1637.1	1442.2	1265.3	1095.9	953.8	817.5	710.6	606.7	510.3
-55°	1805.2	1619.7	1442.2	1279.6	1124.2	987.1	859.3	752.0	651.7	560.5	469.7
-57.5°	1567.8	1407.8	1265.3	1124.2	998.2	881.4	777.1	684.8	596.7	513.0	426.2
-60°	1345.7	1222.7	1095.9	987.1	881.4	785.4	701.4	618.6	542.0	463.9	381.4
-62.5°	1152.2	1045.7	953.8	859.3	777.1	701.4	625.9	556.6	486.1	411.6	335.7
-65°	979.6	898.8	817.5	752.0	684.8	618.6	556.6	493.3	426.8	358.3	290.2
-67.5°	823.1	767.8	710.6	651.7	596.7	542.0	486.1	426.8	365.9	304.0	246.9
-70°	702.3	653.2	606.7	560.5	513.0	463.9	411.6	358.3	304.0	253.8	203.0
-72.5°	587.3	549.5	510.3	469.7	426.2	381.4	335.7	290.2	246.9	203.0	158.3
-75°	479.0	445.3	410.2	373.9	336.5	298.6	262.9	226.5	189.3	151.5	123.6
-77.5°	365.0	336.8	307.5	279.6	251.3	222.3	192.5	162.1	135.9	114.2	92.2
-80°	255.0	234.5	213.2	191.3	168.7	145.8	129.4	112.7	95.6	78.2	60.5
-82.5°	150.3	138.6	127.6	116.3	104.6	92.7	80.4	67.8	55.0	41.9	35.5
-85°	76.9	69.9	62.6	55.1	47.3	39.4	36.3	33.3	30.1	26.9	23.7
-87.5°	26.6	25.3	24.0	22.6	21.2	19.7	18.2	16.6	15.1	13.5	11.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P645444 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	10.2	8.5	6.8	5.1	3.4	1.7	0.0
85°	20.4	17.0	13.7	10.3	6.9	3.4	0.0
82.5°	30.5	25.5	20.5	15.4	10.3	5.1	0.0
80°	42.7	33.9	27.2	20.5	13.7	6.8	0.0
77.5°	69.9	47.3	33.9	25.5	17.0	8.5	0.0
75°	96.9	69.9	42.7	30.5	20.4	10.2	0.0
72.5°	123.6	92.2	60.5	35.5	23.7	11.8	0.0
70°	151.5	114.2	78.2	41.9	26.9	13.5	0.0
67.5°	189.3	135.9	95.6	55.0	30.1	15.1	0.0
65°	226.5	162.1	112.7	67.8	33.3	16.6	0.0
62.5°	262.9	192.5	129.4	80.4	36.3	18.2	0.0
60°	298.6	222.3	145.8	92.7	39.4	19.7	0.0
57.5°	336.5	251.3	168.7	104.6	47.3	21.2	0.0
55°	373.9	279.6	191.3	116.3	55.1	22.6	0.0
52.5°	410.2	307.5	213.2	127.6	62.6	24.0	0.0
50°	445.3	336.8	234.5	138.6	69.9	25.3	0.0
47.5°	479.0	365.0	255.0	150.3	76.9	26.6	0.0
45°	510.1	392.2	274.7	165.1	83.7	27.9	0.0
42.5°	540.0	418.2	293.6	179.2	90.2	29.0	0.0
40°	568.5	443.1	312.5	192.7	96.4	30.2	0.0
37.5°	595.6	466.7	331.4	205.5	102.2	31.3	0.0
35°	621.3	488.3	349.2	217.6	107.8	32.3	0.0
32.5°	646.4	508.4	365.9	229.0	113.0	33.2	0.0
30°	672.0	527.1	381.6	239.6	117.8	34.1	0.0
27.5°	695.7	544.5	396.1	249.5	122.3	34.9	0.0
25°	717.6	560.5	409.4	258.5	126.5	35.7	0.0
22.5°	737.6	575.0	421.6	266.8	130.2	36.4	0.0
20°	755.6	588.2	432.6	274.2	133.6	37.0	0.0
17.5°	771.5	599.8	442.3	280.8	136.7	37.6	0.0
15°	785.4	609.9	450.8	286.6	139.3	38.1	0.0
12.5°	797.2	618.6	457.9	291.4	141.5	38.5	0.0
10°	807.0	625.7	463.9	295.5	143.3	38.8	0.0
7.5°	814.5	631.2	468.5	298.6	144.8	39.1	0.0
5°	820.0	635.1	471.8	300.8	145.8	39.2	0.0
2.5°	823.2	637.5	473.7	302.2	146.4	39.4	0.0
0°	824.3	638.3	474.4	302.6	146.6	39.4	0.0
-2.5°	823.2	637.5	473.7	302.2	146.4	39.4	0.0
-5°	820.0	635.1	471.8	300.8	145.8	39.2	0.0
-7.5°	814.5	631.2	468.5	298.6	144.8	39.1	0.0
-10°	807.0	625.7	463.9	295.5	143.3	38.8	0.0
-12.5°	797.2	618.6	457.9	291.4	141.5	38.5	0.0
-15°	785.4	609.9	450.8	286.6	139.3	38.1	0.0
-17.5°	771.5	599.8	442.3	280.8	136.7	37.6	0.0
-20°	755.6	588.2	432.6	274.2	133.6	37.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	737.6	575.0	421.6	266.8	130.2	36.4	0.0
-25°	717.6	560.5	409.4	258.5	126.5	35.7	0.0
-27.5°	695.7	544.5	396.1	249.5	122.3	34.9	0.0
-30°	672.0	527.1	381.6	239.6	117.8	34.1	0.0
-32.5°	646.4	508.4	365.9	229.0	113.0	33.2	0.0
-35°	621.3	488.3	349.2	217.6	107.8	32.3	0.0
-37.5°	595.6	466.7	331.4	205.5	102.2	31.3	0.0
-40°	568.5	443.1	312.5	192.7	96.4	30.2	0.0
-42.5°	540.0	418.2	293.6	179.2	90.2	29.0	0.0
-45°	510.1	392.2	274.7	165.1	83.7	27.9	0.0
-47.5°	479.0	365.0	255.0	150.3	76.9	26.6	0.0
-50°	445.3	336.8	234.5	138.6	69.9	25.3	0.0
-52.5°	410.2	307.5	213.2	127.6	62.6	24.0	0.0
-55°	373.9	279.6	191.3	116.3	55.1	22.6	0.0
-57.5°	336.5	251.3	168.7	104.6	47.3	21.2	0.0
-60°	298.6	222.3	145.8	92.7	39.4	19.7	0.0
-62.5°	262.9	192.5	129.4	80.4	36.3	18.2	0.0
-65°	226.5	162.1	112.7	67.8	33.3	16.6	0.0
-67.5°	189.3	135.9	95.6	55.0	30.1	15.1	0.0
-70°	151.5	114.2	78.2	41.9	26.9	13.5	0.0
-72.5°	123.6	92.2	60.5	35.5	23.7	11.8	0.0
-75°	96.9	69.9	42.7	30.5	20.4	10.2	0.0
-77.5°	69.9	47.3	33.9	25.5	17.0	8.5	0.0
-80°	42.7	33.9	27.2	20.5	13.7	6.8	0.0
-82.5°	30.5	25.5	20.5	15.4	10.3	5.1	0.0
-85°	20.4	17.0	13.7	10.3	6.9	3.4	0.0
-87.5°	10.2	8.5	6.8	5.1	3.4	1.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)