

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: McGRAW-EDISON

Report Number: P645319 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1C-722-U-LAM-VSR-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645319 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/28/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA1C-722-U-LAM-VSR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

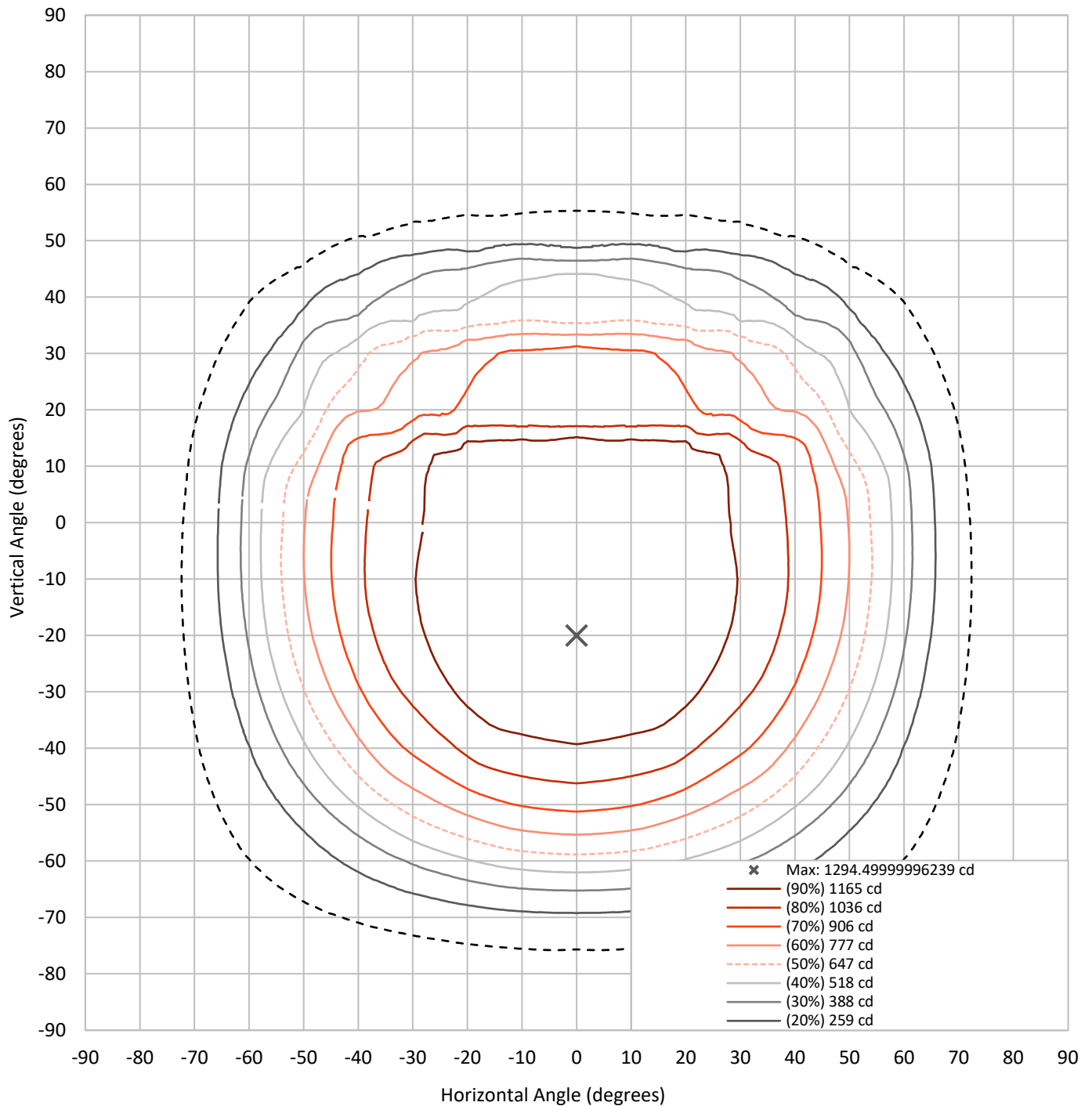
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	3035.3 lumens	Max Intensity:	1294.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	69.8 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	2374.8 lumens	Field Lumens:	2975 lumens
Beam Efficiency:	78.2%	Field Efficiency:	98.0%
Input Watts (W):	43.5		
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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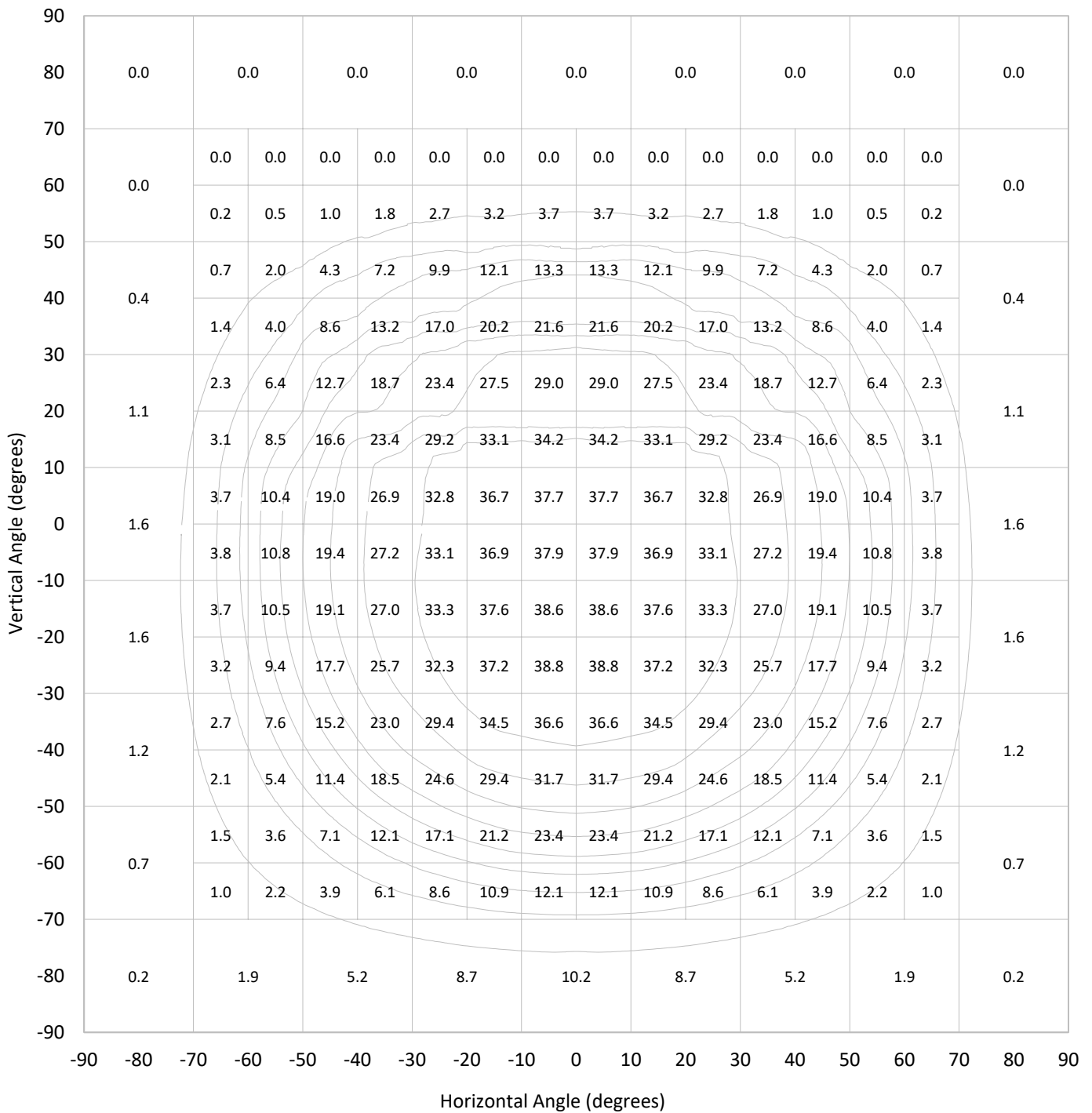
Iso-Candela Plot





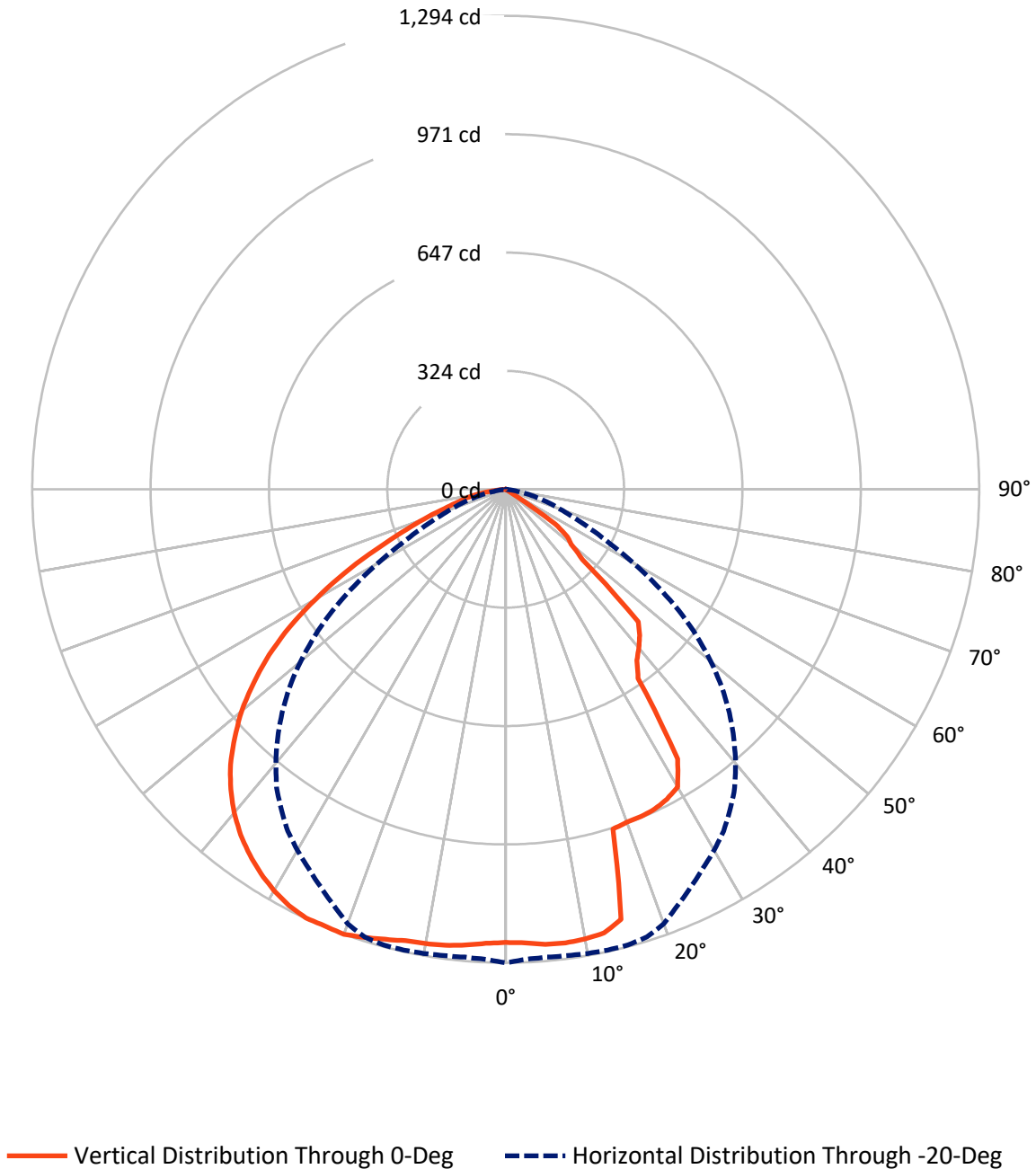
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Lumen Table



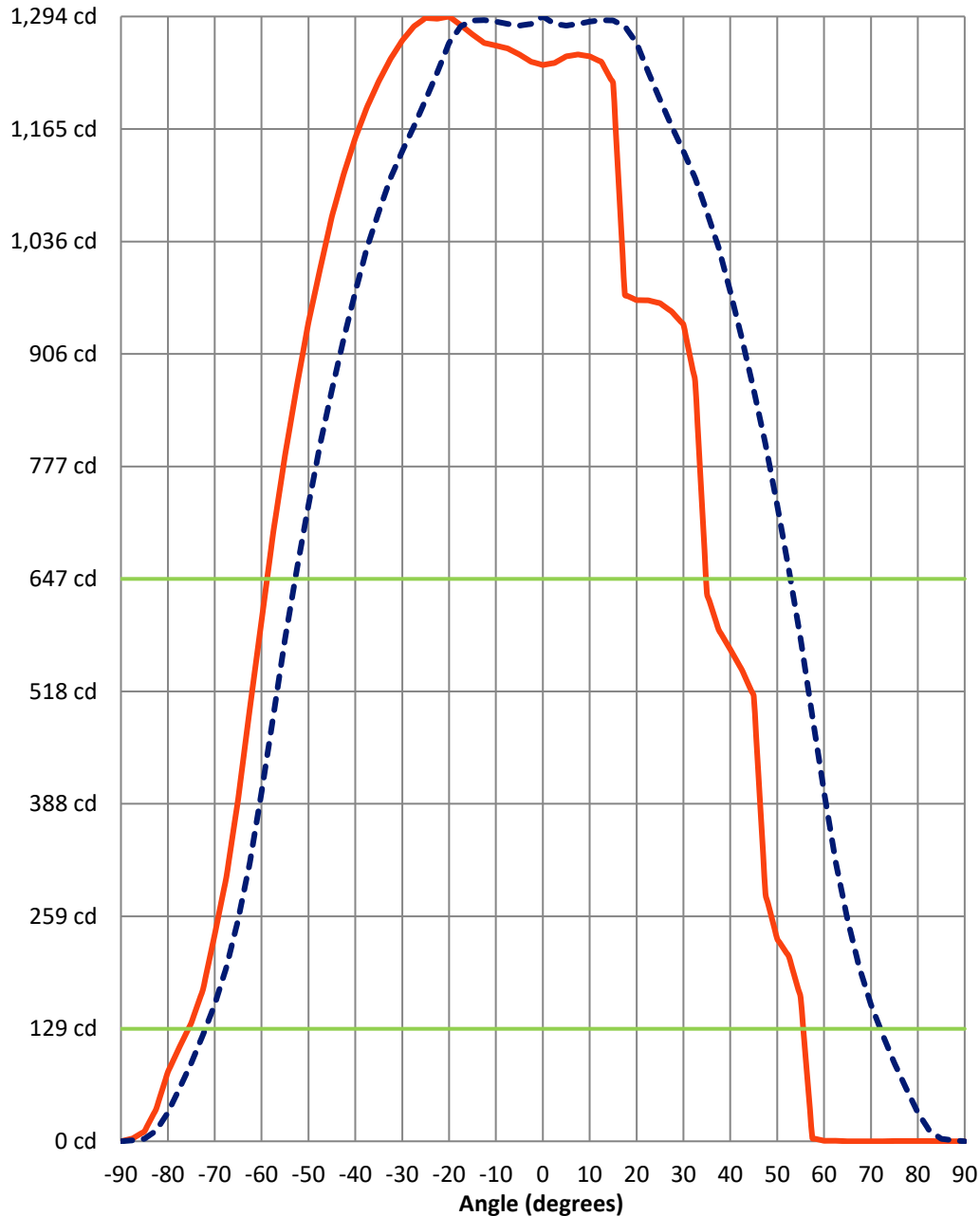
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 2374.8
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 2975
 Efficiency: 98.0%

Spill:
 Lumens: 60.3
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through -20-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	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.1
85°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
82.5°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.5	0.4	0.3
80°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.5	0.5	0.4	0.3
77.5°	0.0	0.2	0.3	0.4	0.5	0.6	0.6	0.5	0.5	0.4	0.3
75°	0.0	0.2	0.3	0.5	0.6	0.6	0.6	0.5	0.5	0.4	0.3
72.5°	0.0	0.2	0.4	0.5	0.6	0.6	0.6	0.5	0.5	0.4	0.3
70°	0.0	0.2	0.4	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.5
67.5°	0.0	0.3	0.5	0.6	0.7	0.7	0.7	0.6	0.5	0.7	0.7
65°	0.0	0.3	0.5	0.6	0.7	0.8	0.8	0.6	0.8	0.9	1.1
62.5°	0.0	0.3	0.6	0.7	0.7	0.9	0.9	0.8	1.1	1.6	2.5
60°	0.0	0.4	0.6	0.7	0.7	1.1	1.1	1.1	1.4	3.9	4.2
57.5°	0.0	0.4	0.7	0.7	0.9	1.3	1.9	1.5	3.8	6.5	7.6
55°	0.0	0.4	0.7	0.7	1.2	1.6	3.0	2.4	7.0	10.1	12.3
52.5°	0.0	0.4	0.7	0.7	1.4	2.0	4.4	6.1	10.5	15.8	17.8
50°	0.0	0.5	0.7	0.8	1.7	3.4	5.9	10.3	15.0	22.1	27.8
47.5°	0.0	0.5	0.8	0.8	1.9	5.0	7.9	14.6	21.6	29.2	38.0
45°	0.0	0.5	0.8	1.0	2.2	6.6	11.8	19.2	28.9	38.0	47.9
42.5°	0.0	0.5	0.8	1.3	2.5	8.3	15.9	25.0	36.4	46.7	59.4
40°	0.0	0.6	0.9	1.5	3.3	10.2	20.1	31.6	44.2	55.1	71.6
37.5°	0.0	0.6	0.9	1.9	4.8	12.1	24.3	38.2	52.3	65.3	84.4
35°	0.0	0.6	0.9	2.2	6.2	15.1	28.7	44.8	60.5	77.8	99.5
32.5°	0.0	0.6	1.0	2.6	7.7	18.5	33.3	51.4	68.9	90.3	117.9
30°	0.0	0.6	1.0	3.1	9.2	21.8	38.7	58.0	77.3	102.9	135.5
27.5°	0.0	0.7	1.0	3.5	11.1	25.2	43.9	65.0	86.6	115.4	152.3
25°	0.0	0.7	1.1	4.0	13.0	28.5	49.0	71.8	97.0	129.1	168.4
22.5°	0.0	0.7	1.1	4.5	14.9	31.8	54.0	78.6	107.2	142.9	184.6
20°	0.0	0.7	1.1	5.1	16.7	35.4	58.8	85.2	117.2	155.8	200.5
17.5°	0.0	0.7	1.2	5.6	18.6	38.9	63.6	91.6	126.8	167.9	215.9
15°	0.0	0.7	1.2	6.1	20.4	42.2	68.2	97.6	136.1	179.2	230.7
12.5°	0.0	0.8	1.2	6.7	22.1	45.4	72.4	102.9	143.5	189.7	244.7
10°	0.0	0.8	1.3	7.2	23.7	48.4	76.4	107.8	149.0	196.0	256.2
7.5°	0.0	0.8	1.3	7.7	25.3	51.2	80.1	112.3	153.7	200.9	262.9
5°	0.0	0.8	1.3	8.2	26.8	53.8	83.4	116.3	157.6	204.8	268.3
2.5°	0.0	0.8	1.4	8.7	28.1	56.2	86.4	119.9	160.8	207.9	272.4
0°	0.0	0.8	1.4	9.1	29.3	58.3	89.0	123.0	163.3	210.0	275.3
-2.5°	0.0	0.8	1.6	9.7	30.4	59.6	90.3	124.8	164.2	212.7	277.1
-5°	0.0	0.9	1.8	10.2	31.4	60.7	91.2	126.1	164.5	214.5	277.7
-7.5°	0.0	0.9	2.0	10.7	32.1	61.5	91.8	127.0	164.3	215.2	277.1
-10°	0.0	1.0	2.2	11.2	32.7	61.9	92.1	127.3	163.6	214.8	275.3
-12.5°	0.0	1.0	2.4	11.5	33.1	62.1	92.1	127.1	162.5	213.0	272.3
-15°	0.0	1.0	2.6	11.8	33.3	62.0	91.7	126.3	161.2	209.7	267.9
-17.5°	0.0	1.1	2.8	12.0	33.3	61.7	91.0	124.8	159.6	205.5	262.2
-20°	0.0	1.1	2.9	12.1	33.0	61.0	90.0	122.6	157.4	200.4	255.2

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CATALOG NUMBER: GFLD-SA1C-722-U-LAM-VSR-XX

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	3.1	12.2	32.5	60.1	88.5	120.0	154.5	194.7	246.8
-25°	0.0	1.1	3.2	12.1	31.8	58.6	86.6	116.9	150.9	188.1	237.2
-27.5°	0.0	1.2	3.3	12.0	30.9	56.8	84.4	113.5	146.6	181.8	228.6
-30°	0.0	1.2	3.4	11.7	29.8	54.8	81.9	109.6	141.9	176.5	219.5
-32.5°	0.0	1.2	3.4	11.4	28.4	52.5	79.0	106.1	137.0	170.3	209.7
-35°	0.0	1.2	3.5	11.0	26.9	49.9	75.9	102.4	131.6	163.2	199.3
-37.5°	0.0	1.2	3.5	10.4	25.2	47.4	72.5	98.2	125.8	155.4	189.0
-40°	0.0	1.2	3.5	9.8	23.4	45.1	68.9	93.7	119.7	148.0	178.9
-42.5°	0.0	1.1	3.5	9.1	22.1	42.6	65.0	88.8	113.8	140.2	168.0
-45°	0.0	1.1	3.4	8.4	21.1	40.0	60.9	83.7	107.8	131.9	156.7
-47.5°	0.0	1.1	3.4	7.6	20.0	37.2	56.5	78.7	101.3	123.1	146.9
-50°	0.0	1.1	3.3	7.3	18.8	34.3	52.9	73.3	94.1	115.1	136.6
-52.5°	0.0	1.0	3.2	7.1	17.4	31.2	49.3	67.8	87.3	106.9	126.2
-55°	0.0	1.0	3.0	6.9	15.8	28.9	45.5	62.1	80.4	98.4	116.8
-57.5°	0.0	0.9	2.9	6.6	14.1	26.6	41.6	57.7	73.3	90.2	107.3
-60°	0.0	0.9	2.7	6.2	12.2	24.0	37.6	52.7	66.2	82.0	97.8
-62.5°	0.0	0.8	2.5	5.8	11.4	21.3	34.0	47.3	59.6	73.6	88.4
-65°	0.0	0.8	2.4	5.3	10.4	18.3	30.1	41.8	52.6	65.1	78.9
-67.5°	0.0	0.7	2.2	4.7	9.3	15.8	26.0	36.3	45.3	56.3	68.6
-70°	0.0	0.6	2.0	4.1	8.0	13.9	21.6	30.6	38.7	47.0	57.6
-72.5°	0.0	0.6	1.7	3.6	6.7	11.7	18.3	24.8	32.1	39.4	46.8
-75°	0.0	0.5	1.5	3.1	5.4	9.5	15.0	20.0	25.2	31.6	38.1
-77.5°	0.0	0.4	1.3	2.6	4.4	7.1	11.5	15.5	19.6	24.2	29.3
-80°	0.0	0.3	1.0	2.1	3.6	5.4	7.8	10.9	14.1	17.6	21.3
-82.5°	0.0	0.2	0.8	1.6	2.7	4.1	5.8	7.0	8.4	10.9	13.5
-85°	0.0	0.2	0.5	1.1	1.8	2.7	3.9	4.7	5.5	6.4	7.3
-87.5°	0.0	0.1	0.3	0.5	0.9	1.4	1.9	2.3	2.8	3.2	3.6
-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: P645319 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-722-U-LAM-VSR-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°	0.1	0.1	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	0.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.5	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.6	0.5	0.4	0.4	0.4	0.5	0.4	0.4	0.3	0.3	0.3
65°	0.6	0.5	0.7	0.8	0.6	0.5	0.5	0.4	0.4	0.4	0.4
62.5°	0.9	1.1	1.3	2.4	1.8	0.6	0.9	1.1	0.8	0.7	0.7
60°	2.7	1.9	5.5	7.8	4.9	1.8	2.2	7.2	6.3	1.2	3.9
57.5°	5.7	7.8	14.4	14.6	10.1	7.0	20.3	23.4	17.7	10.3	15.8
55°	12.5	19.2	23.8	22.0	24.0	36.4	43.3	38.9	32.7	50.4	64.3
52.5°	24.4	31.3	32.8	37.7	53.9	61.9	59.3	63.5	82.3	102.3	106.6
50°	36.1	41.7	46.0	66.5	79.2	80.0	85.9	104.6	129.8	141.9	139.0
47.5°	47.3	53.1	73.4	93.1	98.8	106.6	121.4	157.4	184.0	184.6	181.5
45°	59.2	74.7	100.6	113.4	122.7	137.8	173.5	223.2	225.8	233.0	277.4
42.5°	71.9	99.0	121.6	135.0	149.9	178.2	225.8	258.4	269.6	301.2	336.9
40°	92.5	122.5	142.3	159.4	178.6	219.8	271.9	302.5	311.6	338.9	365.8
37.5°	113.3	142.2	164.3	184.9	211.6	267.2	327.5	352.7	357.3	362.3	421.8
35°	133.4	162.3	188.8	215.8	248.5	328.6	381.2	404.9	404.2	438.0	500.3
32.5°	152.2	182.9	214.2	250.3	304.2	386.3	439.0	453.2	474.7	523.8	608.9
30°	171.0	205.9	241.8	284.8	353.2	424.3	484.5	507.3	544.1	600.2	662.1
27.5°	190.4	229.5	272.9	323.2	391.8	457.2	508.6	563.1	598.8	649.1	693.2
25°	209.6	254.4	303.6	356.8	419.4	480.3	533.5	596.4	634.8	675.4	716.5
22.5°	229.8	279.7	335.2	383.5	442.7	500.0	563.3	631.5	681.5	707.3	734.9
20°	251.0	307.0	366.3	419.8	465.7	518.3	593.2	676.2	740.7	769.7	773.5
17.5°	271.8	333.5	397.2	455.2	504.6	551.4	624.6	729.6	809.9	836.8	848.8
15°	292.1	359.0	428.0	489.6	543.9	601.1	679.3	786.1	877.8	907.7	926.5
12.5°	311.7	383.3	458.3	522.9	583.1	647.4	728.9	826.7	910.4	968.1	1002.7
10°	330.3	406.3	487.7	554.8	622.0	690.3	770.0	856.9	925.1	980.7	1029.8
7.5°	339.8	421.3	513.0	585.2	659.9	730.0	803.6	878.3	935.7	990.3	1037.7
5°	346.2	427.4	520.9	595.8	680.0	756.4	827.9	892.3	942.6	996.7	1043.1
2.5°	350.7	431.4	526.2	601.6	687.6	764.5	834.9	896.9	948.3	1001.3	1048.8
0°	353.5	433.3	529.0	605.2	692.3	769.9	839.0	898.7	952.1	1003.5	1054.6
-2.5°	355.1	439.1	530.8	614.4	696.9	774.5	844.7	903.0	958.7	1007.7	1058.9
-5°	354.9	442.6	530.3	620.6	699.1	776.3	847.6	904.9	962.3	1010.8	1060.6
-7.5°	352.9	443.4	527.9	622.5	699.2	775.7	846.3	905.9	962.3	1013.7	1060.8
-10°	349.5	440.3	525.7	617.5	696.5	772.6	842.5	903.8	960.1	1013.1	1059.9
-12.5°	345.4	433.8	521.1	610.3	691.0	766.7	836.7	898.7	955.9	1008.7	1057.8
-15°	339.3	425.2	513.5	601.2	682.7	758.2	829.2	890.2	949.4	1001.1	1051.5
-17.5°	331.2	414.6	502.9	590.3	671.5	747.0	819.5	879.1	938.0	991.4	1040.0
-20°	320.9	402.0	489.0	578.0	657.3	732.1	802.3	864.6	923.1	977.6	1028.6



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CATALOG NUMBER: GFLD-SA1C-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	308.4	387.4	472.4	561.4	639.6	713.5	782.9	846.2	906.9	959.5	1013.9
-25°	296.0	372.1	454.0	538.4	619.1	692.6	762.2	823.9	885.9	940.7	992.3
-27.5°	284.0	354.3	432.6	513.0	595.8	669.0	737.9	799.7	859.8	919.8	969.5
-30°	270.6	333.7	409.1	486.0	566.6	641.2	710.7	774.7	831.9	891.1	944.6
-32.5°	255.9	311.9	384.4	458.3	534.4	610.5	679.4	743.0	802.5	858.5	914.6
-35°	241.4	294.3	358.1	428.6	500.2	574.9	643.8	706.9	768.6	824.0	877.6
-37.5°	228.4	275.2	330.2	397.6	466.0	536.6	606.7	667.7	726.6	787.4	839.7
-40°	214.3	254.7	306.1	365.6	430.1	497.3	564.4	627.5	682.8	743.0	800.4
-42.5°	199.6	238.0	282.3	331.8	392.6	456.0	520.8	582.5	639.9	696.7	753.7
-45°	186.7	220.3	258.0	303.3	352.8	412.4	473.7	535.3	590.4	644.5	700.8
-47.5°	172.9	202.5	237.4	273.5	316.6	366.5	424.1	480.9	537.3	588.8	638.6
-50°	159.3	186.6	215.2	247.7	283.3	323.7	371.6	424.3	475.9	528.7	578.0
-52.5°	147.5	169.8	195.6	222.8	253.2	286.6	325.0	368.4	415.2	460.1	509.3
-55°	135.3	155.4	176.2	200.1	225.4	253.6	285.1	321.5	357.3	398.8	439.0
-57.5°	124.1	141.1	158.9	178.6	200.6	223.1	250.6	279.0	311.4	343.6	375.4
-60°	113.6	127.5	142.6	159.3	176.9	197.0	217.5	241.9	268.0	293.8	320.7
-62.5°	103.0	114.7	127.0	140.9	156.3	171.4	188.9	207.7	226.9	248.7	270.0
-65°	92.1	101.5	112.0	123.5	135.8	148.7	162.2	176.1	192.4	208.4	223.8
-67.5°	80.5	88.6	97.0	106.1	116.4	126.6	136.7	148.4	160.5	172.3	184.6
-70°	67.7	75.3	82.3	89.7	97.4	105.3	114.0	122.6	131.1	139.9	149.8
-72.5°	54.7	61.6	67.8	73.2	79.5	86.2	92.5	98.6	105.0	111.7	118.3
-75°	43.6	48.2	53.7	58.8	63.8	68.4	72.6	77.7	83.1	88.0	92.0
-77.5°	34.1	38.2	42.0	45.4	49.4	54.0	58.1	61.6	65.0	68.7	72.6
-80°	24.8	28.3	31.7	34.8	37.1	39.8	42.9	46.4	49.5	52.0	54.3
-82.5°	16.0	18.5	21.1	23.7	24.7	25.5	26.1	27.4	29.3	31.2	33.0
-85°	8.0	8.7	10.2	11.8	12.4	12.8	13.1	13.2	13.8	14.4	15.0
-87.5°	4.0	4.3	4.7	5.0	4.9	4.6	4.3	3.9	3.8	3.7	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: P645319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-722-U-LAM-VSR-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°	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2
62.5°	0.7	0.8	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
60°	4.3	2.5	1.5	1.8	1.6	1.0	1.3	1.6	1.6	1.4	1.3
57.5°	24.0	18.0	13.3	31.7	31.8	15.2	18.3	28.8	23.7	7.8	7.2
55°	66.9	79.9	105.2	99.9	101.5	116.8	127.5	112.9	110.7	117.9	136.2
52.5°	120.1	132.5	141.0	149.0	158.7	169.0	179.7	186.6	193.0	199.8	203.8
50°	153.3	170.9	183.0	178.5	203.6	213.8	203.4	212.8	224.1	227.2	228.7
47.5°	226.4	252.2	257.3	273.9	288.9	288.6	275.9	276.6	310.4	340.2	354.8
45°	325.4	326.2	342.4	371.8	392.8	386.2	403.9	444.2	457.6	470.6	481.2
42.5°	363.9	379.9	405.8	431.8	447.4	461.0	474.1	488.8	506.2	520.4	531.6
40°	401.2	414.1	440.6	461.6	474.5	487.2	502.4	518.8	534.7	547.1	555.6
37.5°	458.7	468.7	475.1	494.5	519.1	507.8	536.7	557.5	567.0	579.6	580.7
35°	545.6	539.0	530.4	607.6	612.3	586.2	613.3	645.5	628.5	663.9	682.9
32.5°	622.7	621.7	689.1	729.7	706.4	725.4	787.9	785.1	826.8	846.2	840.6
30°	695.3	720.0	759.0	789.3	793.3	823.4	851.2	875.5	900.6	923.1	924.7
27.5°	732.1	764.4	790.9	808.4	828.0	853.3	878.5	905.9	927.2	941.3	944.8
25°	754.4	787.4	807.5	826.3	847.9	869.7	897.9	927.8	944.9	953.7	956.5
22.5°	774.1	803.7	825.3	840.6	863.8	887.3	913.6	938.8	957.5	961.3	962.7
20°	793.0	821.5	857.5	880.0	878.9	905.3	930.7	950.8	966.4	966.2	966.6
17.5°	847.7	857.9	923.2	972.8	948.2	935.3	1005.0	1006.3	1010.4	1002.2	984.4
15°	928.8	947.3	1027.5	1081.3	1064.4	1063.5	1164.1	1139.2	1160.7	1155.0	1179.2
12.5°	1014.6	1036.5	1096.5	1149.3	1174.5	1180.6	1214.3	1245.8	1252.2	1249.6	1244.9
10°	1073.1	1104.3	1128.4	1160.5	1185.9	1211.7	1231.2	1253.8	1261.2	1256.9	1250.9
7.5°	1080.7	1111.6	1139.9	1168.0	1192.2	1213.0	1233.2	1251.6	1259.2	1256.7	1252.5
5°	1085.5	1113.5	1140.9	1169.5	1192.6	1211.9	1232.0	1250.7	1255.1	1252.1	1248.1
2.5°	1088.5	1114.4	1140.8	1169.3	1190.2	1208.6	1229.0	1248.9	1248.9	1247.6	1245.2
0°	1090.0	1115.9	1146.6	1172.3	1195.8	1213.2	1233.4	1252.7	1251.4	1247.8	1243.6
-2.5°	1093.1	1119.4	1150.7	1172.0	1198.5	1214.5	1235.3	1252.1	1251.4	1249.6	1247.6
-5°	1095.9	1125.5	1154.7	1177.1	1203.7	1224.6	1245.3	1258.3	1259.1	1256.6	1253.1
-7.5°	1097.5	1130.4	1158.3	1180.8	1206.5	1230.8	1251.8	1265.6	1265.8	1262.6	1258.5
-10°	1097.0	1131.6	1160.4	1183.6	1210.0	1233.9	1255.9	1273.4	1272.8	1269.7	1266.2
-12.5°	1094.9	1129.5	1159.0	1182.3	1212.3	1236.9	1261.7	1279.0	1279.9	1277.6	1273.8
-15°	1090.4	1126.1	1154.8	1180.3	1209.6	1238.4	1263.8	1283.0	1286.4	1284.4	1281.4
-17.5°	1081.4	1119.1	1149.5	1176.9	1205.1	1235.8	1264.7	1285.7	1290.3	1289.5	1287.0
-20°	1069.5	1108.4	1139.4	1168.1	1198.8	1230.4	1264.0	1283.1	1289.9	1290.3	1288.6

Classified

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

Scaled Data Report



REPORT NUMBER: P645319 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1056.2	1094.3	1127.1	1155.4	1188.6	1220.7	1251.1	1273.5	1284.9	1287.0	1287.1
-25°	1040.3	1079.4	1112.0	1142.2	1173.1	1206.2	1236.9	1261.9	1273.5	1278.9	1280.6
-27.5°	1017.8	1058.3	1090.3	1122.2	1153.6	1187.8	1220.1	1247.3	1256.7	1264.3	1267.3
-30°	991.5	1031.5	1064.2	1093.3	1129.3	1164.1	1197.5	1221.2	1235.3	1244.0	1248.8
-32.5°	961.2	1001.6	1035.9	1066.3	1100.5	1135.3	1166.7	1191.7	1211.2	1221.2	1226.3
-35°	928.4	969.6	1005.6	1037.5	1069.7	1102.9	1135.4	1161.6	1183.8	1192.4	1198.8
-37.5°	888.7	934.2	971.1	1004.1	1034.7	1065.9	1099.8	1129.7	1151.2	1159.6	1166.2
-40°	848.1	892.1	929.2	964.4	994.7	1028.8	1061.4	1092.8	1111.5	1121.2	1128.7
-42.5°	805.2	844.9	880.3	914.5	948.1	983.2	1015.8	1048.4	1064.6	1076.3	1085.6
-45°	755.7	792.6	827.0	859.0	893.7	928.2	960.8	989.6	1008.9	1024.2	1036.0
-47.5°	689.7	734.7	769.2	799.6	834.1	867.3	899.0	926.0	947.1	965.0	978.7
-50°	622.6	665.8	704.7	738.9	770.9	801.6	831.7	858.2	880.6	899.9	913.8
-52.5°	556.6	597.1	635.7	671.0	701.7	730.7	758.3	784.9	808.5	829.2	842.6
-55°	482.0	524.0	562.1	595.0	625.7	654.4	681.6	706.9	730.1	751.1	764.1
-57.5°	412.0	448.8	484.4	514.7	543.7	571.0	596.8	621.0	643.3	663.1	675.6
-60°	347.7	374.5	405.1	433.1	458.8	482.1	506.1	528.7	549.2	566.6	578.2
-62.5°	290.8	313.1	335.1	356.4	377.2	398.2	418.3	437.0	454.2	468.5	478.6
-65°	240.2	258.0	274.0	289.1	303.5	320.0	335.3	349.7	363.1	374.0	381.8
-67.5°	197.8	210.3	221.4	231.7	243.1	254.8	265.7	275.2	283.4	289.8	295.0
-70°	159.5	168.7	177.0	185.3	193.6	201.2	208.4	215.4	222.1	227.5	231.6
-72.5°	124.9	131.2	136.8	143.2	149.2	155.0	160.0	164.0	167.1	170.2	172.8
-75°	95.2	100.0	106.4	111.7	116.2	120.1	123.8	127.0	129.8	132.3	134.5
-77.5°	76.6	80.6	84.7	88.6	92.4	95.2	97.9	100.5	103.1	105.3	107.3
-80°	56.7	59.7	62.9	66.0	69.2	70.8	72.0	73.2	74.2	75.6	76.8
-82.5°	34.7	36.4	38.1	39.9	41.7	42.1	42.3	42.2	42.0	41.5	40.8
-85°	15.4	15.5	15.5	15.3	15.0	14.4	13.6	12.8	11.8	11.7	11.5
-87.5°	3.4	3.3	3.2	3.1	3.0	3.0	3.0	2.9	2.9	3.0	3.1
-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: P645319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-722-U-LAM-VSR-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
85°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.2	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.2	0.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.3
65°	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.4
62.5°	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6
60°	1.0	0.7	0.6	0.6	0.6	0.7	1.0	1.3	1.4	1.6	1.6
57.5°	6.1	4.5	3.9	3.6	3.9	4.5	6.1	7.2	7.8	23.7	28.8
55°	149.3	157.0	162.7	165.3	162.7	157.0	149.3	136.2	117.9	110.7	112.9
52.5°	207.4	210.7	212.6	212.5	212.6	210.7	207.4	203.8	199.8	193.0	186.6
50°	231.2	232.8	233.3	233.0	233.3	232.8	231.2	228.7	227.2	224.1	212.8
47.5°	341.4	311.9	290.1	284.9	290.1	311.9	341.4	354.8	340.2	310.4	276.6
45°	486.3	497.4	508.6	512.1	508.6	497.4	486.3	481.2	470.6	457.6	444.2
42.5°	536.4	540.1	542.2	542.2	542.2	540.1	536.4	531.6	520.4	506.2	488.8
40°	560.3	563.8	565.8	566.0	565.8	563.8	560.3	555.6	547.1	534.7	518.8
37.5°	582.1	585.0	587.0	588.9	587.0	585.0	582.1	580.7	579.6	567.0	557.5
35°	680.4	658.1	626.1	630.9	626.1	658.1	680.4	682.9	663.9	628.5	645.5
32.5°	849.3	858.6	864.5	874.4	864.5	858.6	849.3	840.6	846.2	826.8	785.1
30°	927.2	930.3	935.0	939.9	935.0	930.3	927.2	924.7	923.1	900.6	875.5
27.5°	946.6	949.8	952.7	954.8	952.7	949.8	946.6	944.8	941.3	927.2	905.9
25°	956.9	958.9	961.9	964.5	961.9	958.9	956.9	956.5	953.7	944.9	927.8
22.5°	961.9	962.1	964.5	967.8	964.5	962.1	961.9	962.7	961.3	957.5	938.8
20°	965.4	963.5	965.9	968.1	965.9	963.5	965.4	966.6	966.2	966.4	950.8
17.5°	1009.5	984.4	974.0	974.2	974.0	984.4	1009.5	984.4	1002.2	1010.4	1006.3
15°	1152.0	1161.5	1197.8	1217.4	1197.8	1161.5	1152.0	1179.2	1155.0	1160.7	1139.2
12.5°	1244.0	1240.7	1236.3	1242.2	1236.3	1240.7	1244.0	1244.9	1249.6	1252.2	1245.8
10°	1248.3	1247.9	1240.2	1248.6	1240.2	1247.9	1248.3	1250.9	1256.9	1261.2	1253.8
7.5°	1245.7	1245.9	1242.6	1250.8	1242.6	1245.9	1245.7	1252.5	1256.7	1259.2	1251.6
5°	1247.4	1241.8	1243.9	1248.6	1243.9	1241.8	1247.4	1248.1	1252.1	1255.1	1250.7
2.5°	1242.6	1242.0	1237.9	1241.1	1237.9	1242.0	1242.6	1245.2	1247.6	1248.9	1248.9
0°	1238.9	1235.9	1235.9	1238.7	1235.9	1235.9	1238.9	1243.6	1247.8	1251.4	1252.7
-2.5°	1245.5	1244.9	1244.4	1242.5	1244.4	1244.9	1245.5	1247.6	1249.6	1251.4	1252.1
-5°	1250.8	1249.2	1244.7	1250.8	1244.7	1249.2	1250.8	1253.1	1256.6	1259.1	1258.3
-7.5°	1256.6	1252.4	1248.1	1257.7	1248.1	1252.4	1256.6	1258.5	1262.6	1265.8	1265.6
-10°	1261.9	1255.8	1251.6	1261.0	1251.6	1255.8	1261.9	1266.2	1269.7	1272.8	1273.4
-12.5°	1268.8	1261.8	1259.0	1264.1	1259.0	1261.8	1268.8	1273.8	1277.6	1279.9	1279.0
-15°	1276.3	1271.4	1270.8	1273.8	1270.8	1271.4	1276.3	1281.4	1284.4	1286.4	1283.0
-17.5°	1282.8	1279.4	1281.1	1284.5	1281.1	1279.4	1282.8	1287.0	1289.5	1290.3	1285.7
-20°	1286.0	1284.0	1286.0	1294.5	1286.0	1284.0	1286.0	1288.6	1290.3	1289.9	1283.1



REPORT NUMBER: P645319 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1285.7	1285.8	1289.2	1292.0	1289.2	1285.8	1285.7	1287.1	1287.0	1284.9	1273.5
-25°	1280.8	1283.4	1287.2	1292.8	1287.2	1283.4	1280.8	1280.6	1278.9	1273.5	1261.9
-27.5°	1269.0	1273.3	1277.3	1283.1	1277.3	1273.3	1269.0	1267.3	1264.3	1256.7	1247.3
-30°	1251.9	1257.0	1260.6	1266.8	1260.6	1257.0	1251.9	1248.8	1244.0	1235.3	1221.2
-32.5°	1231.1	1236.8	1241.1	1245.6	1241.1	1236.8	1231.1	1226.3	1221.2	1211.2	1191.7
-35°	1205.0	1211.3	1215.8	1219.9	1215.8	1211.3	1205.0	1198.8	1192.4	1183.8	1161.6
-37.5°	1173.7	1180.5	1185.7	1190.3	1185.7	1180.5	1173.7	1166.2	1159.6	1151.2	1129.7
-40°	1137.3	1144.2	1149.8	1154.9	1149.8	1144.2	1137.3	1128.7	1121.2	1111.5	1092.8
-42.5°	1094.7	1101.7	1107.4	1112.6	1107.4	1101.7	1094.7	1085.6	1076.3	1064.6	1048.4
-45°	1045.6	1052.7	1058.7	1064.3	1058.7	1052.7	1045.6	1036.0	1024.2	1008.9	989.6
-47.5°	988.9	996.6	1001.7	1004.3	1001.7	996.6	988.9	978.7	965.0	947.1	926.0
-50°	923.9	931.6	937.8	942.4	937.8	931.6	923.9	913.8	899.9	880.6	858.2
-52.5°	852.5	859.8	865.1	868.3	865.1	859.8	852.5	842.6	829.2	808.5	784.9
-55°	774.2	781.8	786.9	789.3	786.9	781.8	774.2	764.1	751.1	730.1	706.9
-57.5°	685.5	692.8	698.1	701.1	698.1	692.8	685.5	675.6	663.1	643.3	621.0
-60°	587.3	593.8	597.8	599.4	597.8	593.8	587.3	578.2	566.6	549.2	528.7
-62.5°	486.8	492.9	496.8	498.3	496.8	492.9	486.8	478.6	468.5	454.2	437.0
-65°	387.5	391.4	393.5	393.8	393.5	391.4	387.5	381.8	374.0	363.1	349.7
-67.5°	299.0	301.9	303.7	304.3	303.7	301.9	299.0	295.0	289.8	283.4	275.2
-70°	234.6	236.6	237.7	237.9	237.7	236.6	234.6	231.6	227.5	222.1	215.4
-72.5°	174.9	176.3	175.8	174.7	175.8	176.3	174.9	172.8	170.2	167.1	164.0
-75°	136.4	138.0	137.3	136.2	137.3	138.0	136.4	134.5	132.3	129.8	127.0
-77.5°	109.0	110.5	109.7	108.6	109.7	110.5	109.0	107.3	105.3	103.1	100.5
-80°	77.8	78.7	79.3	79.6	79.3	78.7	77.8	76.8	75.6	74.2	73.2
-82.5°	39.9	38.7	37.9	37.0	37.9	38.7	39.9	40.8	41.5	42.0	42.2
-85°	11.3	11.0	11.2	11.3	11.2	11.0	11.3	11.5	11.7	11.8	12.8
-87.5°	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.0	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: P645319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-722-U-LAM-VSR-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°	0.1	0.2	0.3	0.3	0.3	0.3	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	0.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
65°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
62.5°	0.6	0.6	0.6	0.6	0.6	0.8	0.7	0.7	0.7	0.8	1.1
60°	1.3	1.0	1.6	1.8	1.5	2.5	4.3	3.9	1.2	6.3	7.2
57.5°	18.3	15.2	31.8	31.7	13.3	18.0	24.0	15.8	10.3	17.7	23.4
55°	127.5	116.8	101.5	99.9	105.2	79.9	66.9	64.3	50.4	32.7	38.9
52.5°	179.7	169.0	158.7	149.0	141.0	132.5	120.1	106.6	102.3	82.3	63.5
50°	203.4	213.8	203.6	178.5	183.0	170.9	153.3	139.0	141.9	129.8	104.6
47.5°	275.9	288.6	288.9	273.9	257.3	252.2	226.4	181.5	184.6	184.0	157.4
45°	403.9	386.2	392.8	371.8	342.4	326.2	325.4	277.4	233.0	225.8	223.2
42.5°	474.1	461.0	447.4	431.8	405.8	379.9	363.9	336.9	301.2	269.6	258.4
40°	502.4	487.2	474.5	461.6	440.6	414.1	401.2	365.8	338.9	311.6	302.5
37.5°	536.7	507.8	519.1	494.5	475.1	468.7	458.7	421.8	362.3	357.3	352.7
35°	613.3	586.2	612.3	607.6	530.4	539.0	545.6	500.3	438.0	404.2	404.9
32.5°	787.9	725.4	706.4	729.7	689.1	621.7	622.7	608.9	523.8	474.7	453.2
30°	851.2	823.4	793.3	789.3	759.0	720.0	695.3	662.1	600.2	544.1	507.3
27.5°	878.5	853.3	828.0	808.4	790.9	764.4	732.1	693.2	649.1	598.8	563.1
25°	897.9	869.7	847.9	826.3	807.5	787.4	754.4	716.5	675.4	634.8	596.4
22.5°	913.6	887.3	863.8	840.6	825.3	803.7	774.1	734.9	707.3	681.5	631.5
20°	930.7	905.3	878.9	880.0	857.5	821.5	793.0	773.5	769.7	740.7	676.2
17.5°	1005.0	935.3	948.2	972.8	923.2	857.9	847.7	848.8	836.8	809.9	729.6
15°	1164.1	1063.5	1064.4	1081.3	1027.5	947.3	928.8	926.5	907.7	877.8	786.1
12.5°	1214.3	1180.6	1174.5	1149.3	1096.5	1036.5	1014.6	1002.7	968.1	910.4	826.7
10°	1231.2	1211.7	1185.9	1160.5	1128.4	1104.3	1073.1	1029.8	980.7	925.1	856.9
7.5°	1233.2	1213.0	1192.2	1168.0	1139.9	1111.6	1080.7	1037.7	990.3	935.7	878.3
5°	1232.0	1211.9	1192.6	1169.5	1140.9	1113.5	1085.5	1043.1	996.7	942.6	892.3
2.5°	1229.0	1208.6	1190.2	1169.3	1140.8	1114.4	1088.5	1048.8	1001.3	948.3	896.9
0°	1233.4	1213.2	1195.8	1172.3	1146.6	1115.9	1090.0	1054.6	1003.5	952.1	898.7
-2.5°	1235.3	1214.5	1198.5	1172.0	1150.7	1119.4	1093.1	1058.9	1007.7	958.7	903.0
-5°	1245.3	1224.6	1203.7	1177.1	1154.7	1125.5	1095.9	1060.6	1010.8	962.3	904.9
-7.5°	1251.8	1230.8	1206.5	1180.8	1158.3	1130.4	1097.5	1060.8	1013.7	962.3	905.9
-10°	1255.9	1233.9	1210.0	1183.6	1160.4	1131.6	1097.0	1059.9	1013.1	960.1	903.8
-12.5°	1261.7	1236.9	1212.3	1182.3	1159.0	1129.5	1094.9	1057.8	1008.7	955.9	898.7
-15°	1263.8	1238.4	1209.6	1180.3	1154.8	1126.1	1090.4	1051.5	1001.1	949.4	890.2
-17.5°	1264.7	1235.8	1205.1	1176.9	1149.5	1119.1	1081.4	1040.0	991.4	938.0	879.1
-20°	1264.0	1230.4	1198.8	1168.1	1139.4	1108.4	1069.5	1028.6	977.6	923.1	864.6

Classified

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

Scaled Data Report



REPORT NUMBER: P645319 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1251.1	1220.7	1188.6	1155.4	1127.1	1094.3	1056.2	1013.9	959.5	906.9	846.2
-25°	1236.9	1206.2	1173.1	1142.2	1112.0	1079.4	1040.3	992.3	940.7	885.9	823.9
-27.5°	1220.1	1187.8	1153.6	1122.2	1090.3	1058.3	1017.8	969.5	919.8	859.8	799.7
-30°	1197.5	1164.1	1129.3	1093.3	1064.2	1031.5	991.5	944.6	891.1	831.9	774.7
-32.5°	1166.7	1135.3	1100.5	1066.3	1035.9	1001.6	961.2	914.6	858.5	802.5	743.0
-35°	1135.4	1102.9	1069.7	1037.5	1005.6	969.6	928.4	877.6	824.0	768.6	706.9
-37.5°	1099.8	1065.9	1034.7	1004.1	971.1	934.2	888.7	839.7	787.4	726.6	667.7
-40°	1061.4	1028.8	994.7	964.4	929.2	892.1	848.1	800.4	743.0	682.8	627.5
-42.5°	1015.8	983.2	948.1	914.5	880.3	844.9	805.2	753.7	696.7	639.9	582.5
-45°	960.8	928.2	893.7	859.0	827.0	792.6	755.7	700.8	644.5	590.4	535.3
-47.5°	899.0	867.3	834.1	799.6	769.2	734.7	689.7	638.6	588.8	537.3	480.9
-50°	831.7	801.6	770.9	738.9	704.7	665.8	622.6	578.0	528.7	475.9	424.3
-52.5°	758.3	730.7	701.7	671.0	635.7	597.1	556.6	509.3	460.1	415.2	368.4
-55°	681.6	654.4	625.7	595.0	562.1	524.0	482.0	439.0	398.8	357.3	321.5
-57.5°	596.8	571.0	543.7	514.7	484.4	448.8	412.0	375.4	343.6	311.4	279.0
-60°	506.1	482.1	458.8	433.1	405.1	374.5	347.7	320.7	293.8	268.0	241.9
-62.5°	418.3	398.2	377.2	356.4	335.1	313.1	290.8	270.0	248.7	226.9	207.7
-65°	335.3	320.0	303.5	289.1	274.0	258.0	240.2	223.8	208.4	192.4	176.1
-67.5°	265.7	254.8	243.1	231.7	221.4	210.3	197.8	184.6	172.3	160.5	148.4
-70°	208.4	201.2	193.6	185.3	177.0	168.7	159.5	149.8	139.9	131.1	122.6
-72.5°	160.0	155.0	149.2	143.2	136.8	131.2	124.9	118.3	111.7	105.0	98.6
-75°	123.8	120.1	116.2	111.7	106.4	100.0	95.2	92.0	88.0	83.1	77.7
-77.5°	97.9	95.2	92.4	88.6	84.7	80.6	76.6	72.6	68.7	65.0	61.6
-80°	72.0	70.8	69.2	66.0	62.9	59.7	56.7	54.3	52.0	49.5	46.4
-82.5°	42.3	42.1	41.7	39.9	38.1	36.4	34.7	33.0	31.2	29.3	27.4
-85°	13.6	14.4	15.0	15.3	15.5	15.5	15.4	15.0	14.4	13.8	13.2
-87.5°	3.0	3.0	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9
-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: P645319 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1C-722-U-LAM-VSR-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°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	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	0.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5
72.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.5	0.5
70°	0.3	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.4	0.5	0.6
67.5°	0.4	0.5	0.4	0.4	0.4	0.5	0.6	0.7	0.7	0.5	0.6
65°	0.5	0.5	0.6	0.8	0.7	0.5	0.6	1.1	0.9	0.8	0.6
62.5°	0.9	0.6	1.8	2.4	1.3	1.1	0.9	2.5	1.6	1.1	0.8
60°	2.2	1.8	4.9	7.8	5.5	1.9	2.7	4.2	3.9	1.4	1.1
57.5°	20.3	7.0	10.1	14.6	14.4	7.8	5.7	7.6	6.5	3.8	1.5
55°	43.3	36.4	24.0	22.0	23.8	19.2	12.5	12.3	10.1	7.0	2.4
52.5°	59.3	61.9	53.9	37.7	32.8	31.3	24.4	17.8	15.8	10.5	6.1
50°	85.9	80.0	79.2	66.5	46.0	41.7	36.1	27.8	22.1	15.0	10.3
47.5°	121.4	106.6	98.8	93.1	73.4	53.1	47.3	38.0	29.2	21.6	14.6
45°	173.5	137.8	122.7	113.4	100.6	74.7	59.2	47.9	38.0	28.9	19.2
42.5°	225.8	178.2	149.9	135.0	121.6	99.0	71.9	59.4	46.7	36.4	25.0
40°	271.9	219.8	178.6	159.4	142.3	122.5	92.5	71.6	55.1	44.2	31.6
37.5°	327.5	267.2	211.6	184.9	164.3	142.2	113.3	84.4	65.3	52.3	38.2
35°	381.2	328.6	248.5	215.8	188.8	162.3	133.4	99.5	77.8	60.5	44.8
32.5°	439.0	386.3	304.2	250.3	214.2	182.9	152.2	117.9	90.3	68.9	51.4
30°	484.5	424.3	353.2	284.8	241.8	205.9	171.0	135.5	102.9	77.3	58.0
27.5°	508.6	457.2	391.8	323.2	272.9	229.5	190.4	152.3	115.4	86.6	65.0
25°	533.5	480.3	419.4	356.8	303.6	254.4	209.6	168.4	129.1	97.0	71.8
22.5°	563.3	500.0	442.7	383.5	335.2	279.7	229.8	184.6	142.9	107.2	78.6
20°	593.2	518.3	465.7	419.8	366.3	307.0	251.0	200.5	155.8	117.2	85.2
17.5°	624.6	551.4	504.6	455.2	397.2	333.5	271.8	215.9	167.9	126.8	91.6
15°	679.3	601.1	543.9	489.6	428.0	359.0	292.1	230.7	179.2	136.1	97.6
12.5°	728.9	647.4	583.1	522.9	458.3	383.3	311.7	244.7	189.7	143.5	102.9
10°	770.0	690.3	622.0	554.8	487.7	406.3	330.3	256.2	196.0	149.0	107.8
7.5°	803.6	730.0	659.9	585.2	513.0	421.3	339.8	262.9	200.9	153.7	112.3
5°	827.9	756.4	680.0	595.8	520.9	427.4	346.2	268.3	204.8	157.6	116.3
2.5°	834.9	764.5	687.6	601.6	526.2	431.4	350.7	272.4	207.9	160.8	119.9
0°	839.0	769.9	692.3	605.2	529.0	433.3	353.5	275.3	210.0	163.3	123.0
-2.5°	844.7	774.5	696.9	614.4	530.8	439.1	355.1	277.1	212.7	164.2	124.8
-5°	847.6	776.3	699.1	620.6	530.3	442.6	354.9	277.7	214.5	164.5	126.1
-7.5°	846.3	775.7	699.2	622.5	527.9	443.4	352.9	277.1	215.2	164.3	127.0
-10°	842.5	772.6	696.5	617.5	525.7	440.3	349.5	275.3	214.8	163.6	127.3
-12.5°	836.7	766.7	691.0	610.3	521.1	433.8	345.4	272.3	213.0	162.5	127.1
-15°	829.2	758.2	682.7	601.2	513.5	425.2	339.3	267.9	209.7	161.2	126.3
-17.5°	819.5	747.0	671.5	590.3	502.9	414.6	331.2	262.2	205.5	159.6	124.8
-20°	802.3	732.1	657.3	578.0	489.0	402.0	320.9	255.2	200.4	157.4	122.6



REPORT NUMBER: P645319 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1C-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	782.9	713.5	639.6	561.4	472.4	387.4	308.4	246.8	194.7	154.5	120.0
-25°	762.2	692.6	619.1	538.4	454.0	372.1	296.0	237.2	188.1	150.9	116.9
-27.5°	737.9	669.0	595.8	513.0	432.6	354.3	284.0	228.6	181.8	146.6	113.5
-30°	710.7	641.2	566.6	486.0	409.1	333.7	270.6	219.5	176.5	141.9	109.6
-32.5°	679.4	610.5	534.4	458.3	384.4	311.9	255.9	209.7	170.3	137.0	106.1
-35°	643.8	574.9	500.2	428.6	358.1	294.3	241.4	199.3	163.2	131.6	102.4
-37.5°	606.7	536.6	466.0	397.6	330.2	275.2	228.4	189.0	155.4	125.8	98.2
-40°	564.4	497.3	430.1	365.6	306.1	254.7	214.3	178.9	148.0	119.7	93.7
-42.5°	520.8	456.0	392.6	331.8	282.3	238.0	199.6	168.0	140.2	113.8	88.8
-45°	473.7	412.4	352.8	303.3	258.0	220.3	186.7	156.7	131.9	107.8	83.7
-47.5°	424.1	366.5	316.6	273.5	237.4	202.5	172.9	146.9	123.1	101.3	78.7
-50°	371.6	323.7	283.3	247.7	215.2	186.6	159.3	136.6	115.1	94.1	73.3
-52.5°	325.0	286.6	253.2	222.8	195.6	169.8	147.5	126.2	106.9	87.3	67.8
-55°	285.1	253.6	225.4	200.1	176.2	155.4	135.3	116.8	98.4	80.4	62.1
-57.5°	250.6	223.1	200.6	178.6	158.9	141.1	124.1	107.3	90.2	73.3	57.7
-60°	217.5	197.0	176.9	159.3	142.6	127.5	113.6	97.8	82.0	66.2	52.7
-62.5°	188.9	171.4	156.3	140.9	127.0	114.7	103.0	88.4	73.6	59.6	47.3
-65°	162.2	148.7	135.8	123.5	112.0	101.5	92.1	78.9	65.1	52.6	41.8
-67.5°	136.7	126.6	116.4	106.1	97.0	88.6	80.5	68.6	56.3	45.3	36.3
-70°	114.0	105.3	97.4	89.7	82.3	75.3	67.7	57.6	47.0	38.7	30.6
-72.5°	92.5	86.2	79.5	73.2	67.8	61.6	54.7	46.8	39.4	32.1	24.8
-75°	72.6	68.4	63.8	58.8	53.7	48.2	43.6	38.1	31.6	25.2	20.0
-77.5°	58.1	54.0	49.4	45.4	42.0	38.2	34.1	29.3	24.2	19.6	15.5
-80°	42.9	39.8	37.1	34.8	31.7	28.3	24.8	21.3	17.6	14.1	10.9
-82.5°	26.1	25.5	24.7	23.7	21.1	18.5	16.0	13.5	10.9	8.4	7.0
-85°	13.1	12.8	12.4	11.8	10.2	8.7	8.0	7.3	6.4	5.5	4.7
-87.5°	4.3	4.6	4.9	5.0	4.7	4.3	4.0	3.6	3.2	2.8	2.3
-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-SA1C-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.1	0.1	0.1	0.1	0.0	0.0
85°	0.3	0.3	0.2	0.2	0.1	0.1	0.0
82.5°	0.5	0.4	0.3	0.2	0.2	0.1	0.0
80°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
77.5°	0.6	0.6	0.5	0.4	0.3	0.2	0.0
75°	0.6	0.6	0.6	0.5	0.3	0.2	0.0
72.5°	0.6	0.6	0.6	0.5	0.4	0.2	0.0
70°	0.6	0.6	0.6	0.6	0.4	0.2	0.0
67.5°	0.7	0.7	0.7	0.6	0.5	0.3	0.0
65°	0.8	0.8	0.7	0.6	0.5	0.3	0.0
62.5°	0.9	0.9	0.7	0.7	0.6	0.3	0.0
60°	1.1	1.1	0.7	0.7	0.6	0.4	0.0
57.5°	1.9	1.3	0.9	0.7	0.7	0.4	0.0
55°	3.0	1.6	1.2	0.7	0.7	0.4	0.0
52.5°	4.4	2.0	1.4	0.7	0.7	0.4	0.0
50°	5.9	3.4	1.7	0.8	0.7	0.5	0.0
47.5°	7.9	5.0	1.9	0.8	0.8	0.5	0.0
45°	11.8	6.6	2.2	1.0	0.8	0.5	0.0
42.5°	15.9	8.3	2.5	1.3	0.8	0.5	0.0
40°	20.1	10.2	3.3	1.5	0.9	0.6	0.0
37.5°	24.3	12.1	4.8	1.9	0.9	0.6	0.0
35°	28.7	15.1	6.2	2.2	0.9	0.6	0.0
32.5°	33.3	18.5	7.7	2.6	1.0	0.6	0.0
30°	38.7	21.8	9.2	3.1	1.0	0.6	0.0
27.5°	43.9	25.2	11.1	3.5	1.0	0.7	0.0
25°	49.0	28.5	13.0	4.0	1.1	0.7	0.0
22.5°	54.0	31.8	14.9	4.5	1.1	0.7	0.0
20°	58.8	35.4	16.7	5.1	1.1	0.7	0.0
17.5°	63.6	38.9	18.6	5.6	1.2	0.7	0.0
15°	68.2	42.2	20.4	6.1	1.2	0.7	0.0
12.5°	72.4	45.4	22.1	6.7	1.2	0.8	0.0
10°	76.4	48.4	23.7	7.2	1.3	0.8	0.0
7.5°	80.1	51.2	25.3	7.7	1.3	0.8	0.0
5°	83.4	53.8	26.8	8.2	1.3	0.8	0.0
2.5°	86.4	56.2	28.1	8.7	1.4	0.8	0.0
0°	89.0	58.3	29.3	9.1	1.4	0.8	0.0
-2.5°	90.3	59.6	30.4	9.7	1.6	0.8	0.0
-5°	91.2	60.7	31.4	10.2	1.8	0.9	0.0
-7.5°	91.8	61.5	32.1	10.7	2.0	0.9	0.0
-10°	92.1	61.9	32.7	11.2	2.2	1.0	0.0
-12.5°	92.1	62.1	33.1	11.5	2.4	1.0	0.0
-15°	91.7	62.0	33.3	11.8	2.6	1.0	0.0
-17.5°	91.0	61.7	33.3	12.0	2.8	1.1	0.0
-20°	90.0	61.0	33.0	12.1	2.9	1.1	0.0

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CATALOG NUMBER: GFLD-SA1C-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	88.5	60.1	32.5	12.2	3.1	1.1	0.0
-25°	86.6	58.6	31.8	12.1	3.2	1.1	0.0
-27.5°	84.4	56.8	30.9	12.0	3.3	1.2	0.0
-30°	81.9	54.8	29.8	11.7	3.4	1.2	0.0
-32.5°	79.0	52.5	28.4	11.4	3.4	1.2	0.0
-35°	75.9	49.9	26.9	11.0	3.5	1.2	0.0
-37.5°	72.5	47.4	25.2	10.4	3.5	1.2	0.0
-40°	68.9	45.1	23.4	9.8	3.5	1.2	0.0
-42.5°	65.0	42.6	22.1	9.1	3.5	1.1	0.0
-45°	60.9	40.0	21.1	8.4	3.4	1.1	0.0
-47.5°	56.5	37.2	20.0	7.6	3.4	1.1	0.0
-50°	52.9	34.3	18.8	7.3	3.3	1.1	0.0
-52.5°	49.3	31.2	17.4	7.1	3.2	1.0	0.0
-55°	45.5	28.9	15.8	6.9	3.0	1.0	0.0
-57.5°	41.6	26.6	14.1	6.6	2.9	0.9	0.0
-60°	37.6	24.0	12.2	6.2	2.7	0.9	0.0
-62.5°	34.0	21.3	11.4	5.8	2.5	0.8	0.0
-65°	30.1	18.3	10.4	5.3	2.4	0.8	0.0
-67.5°	26.0	15.8	9.3	4.7	2.2	0.7	0.0
-70°	21.6	13.9	8.0	4.1	2.0	0.6	0.0
-72.5°	18.3	11.7	6.7	3.6	1.7	0.6	0.0
-75°	15.0	9.5	5.4	3.1	1.5	0.5	0.0
-77.5°	11.5	7.1	4.4	2.6	1.3	0.4	0.0
-80°	7.8	5.4	3.6	2.1	1.0	0.3	0.0
-82.5°	5.8	4.1	2.7	1.6	0.8	0.2	0.0
-85°	3.9	2.7	1.8	1.1	0.5	0.2	0.0
-87.5°	1.9	1.4	0.9	0.5	0.3	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)