

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: P645331 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1D-722-U-LAM-VSR-XX**

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-08
Report Number: P645331 (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-SA1D-722-U-LAM-VSR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

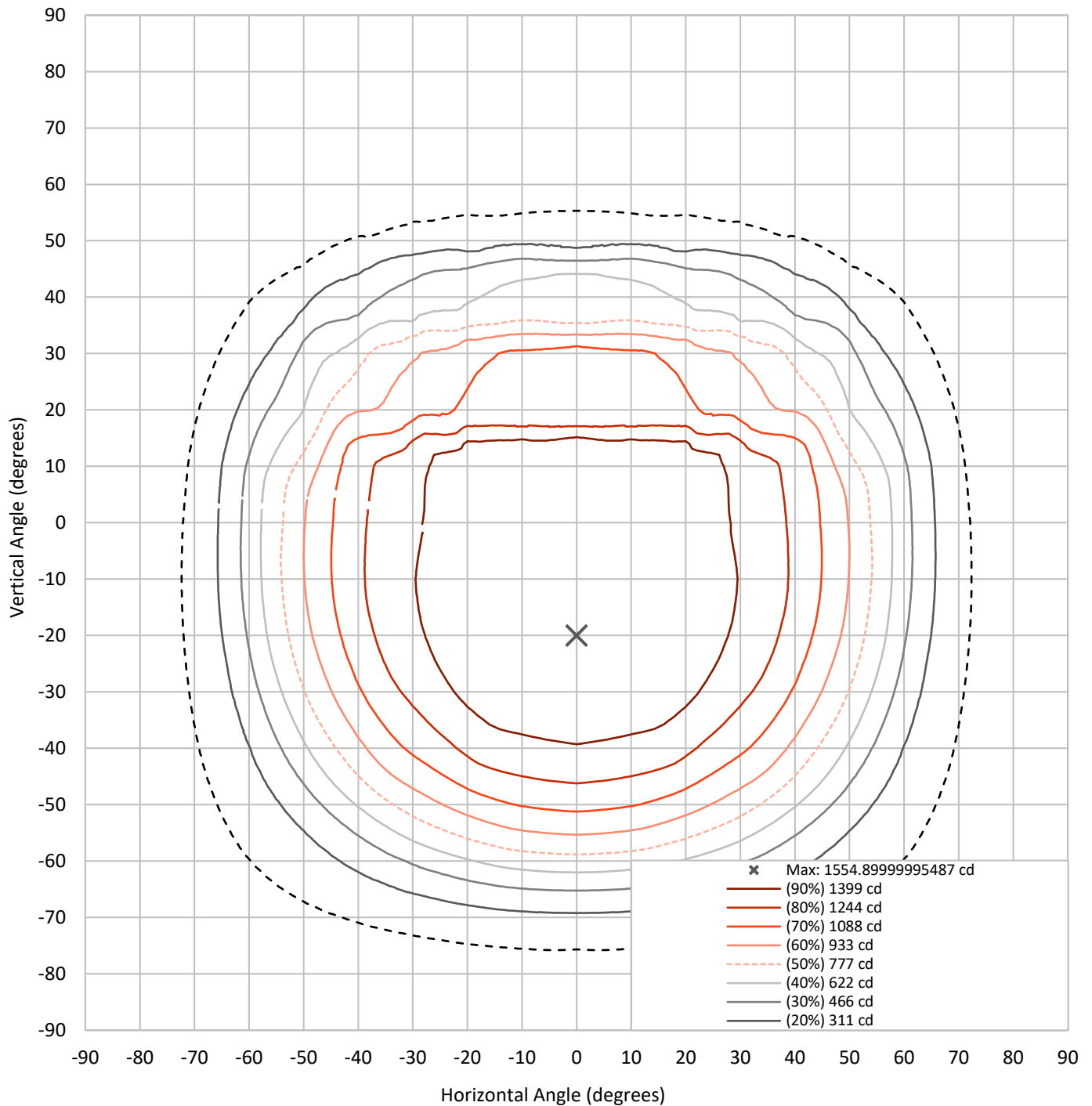
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	3645.9 lumens	Max Intensity:	1554.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	63.6 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:	2850.2 lumens	Field Lumens:	3573.5 lumens
Beam Efficiency:	78.2%	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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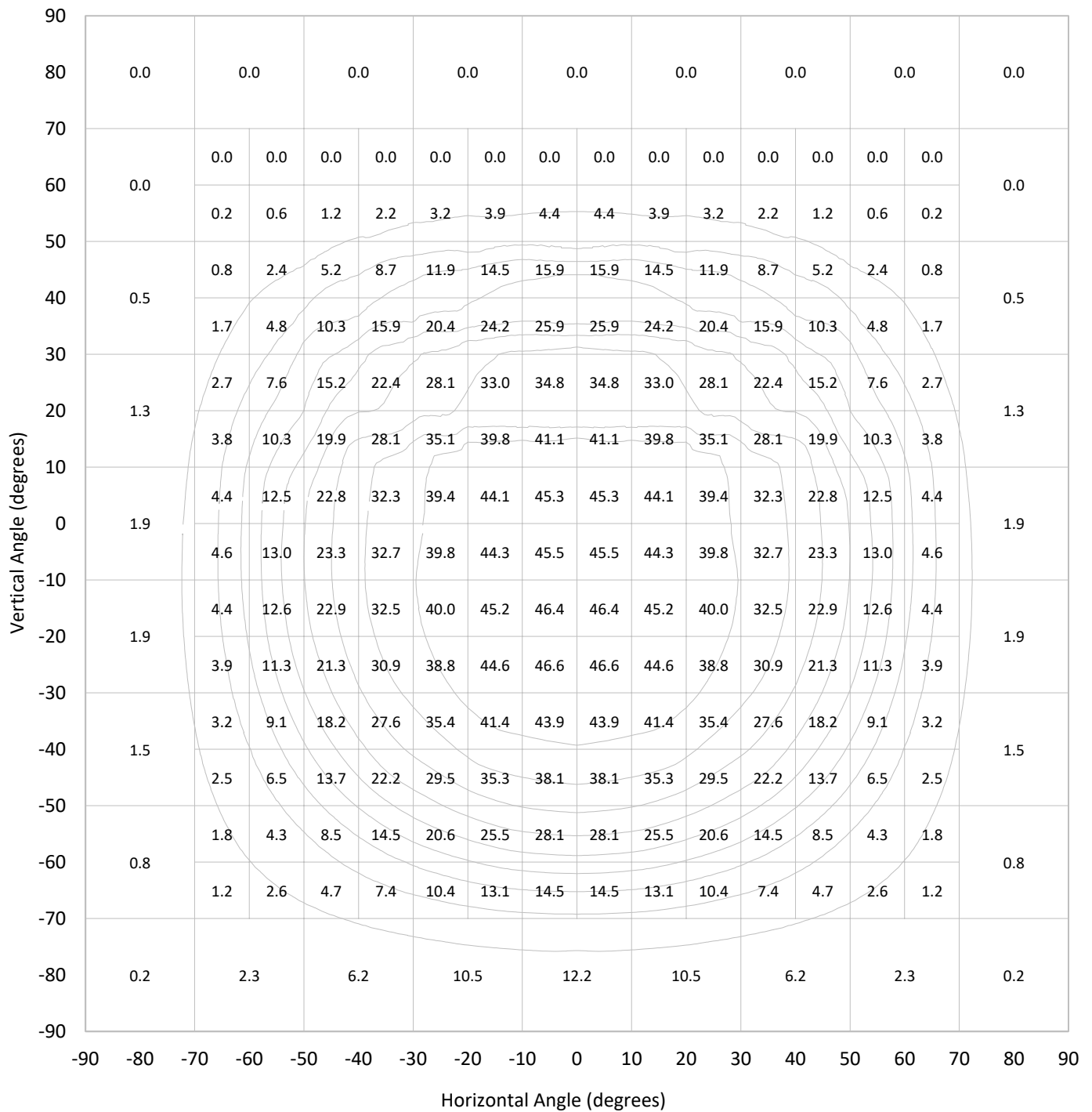
Iso-Candela Plot





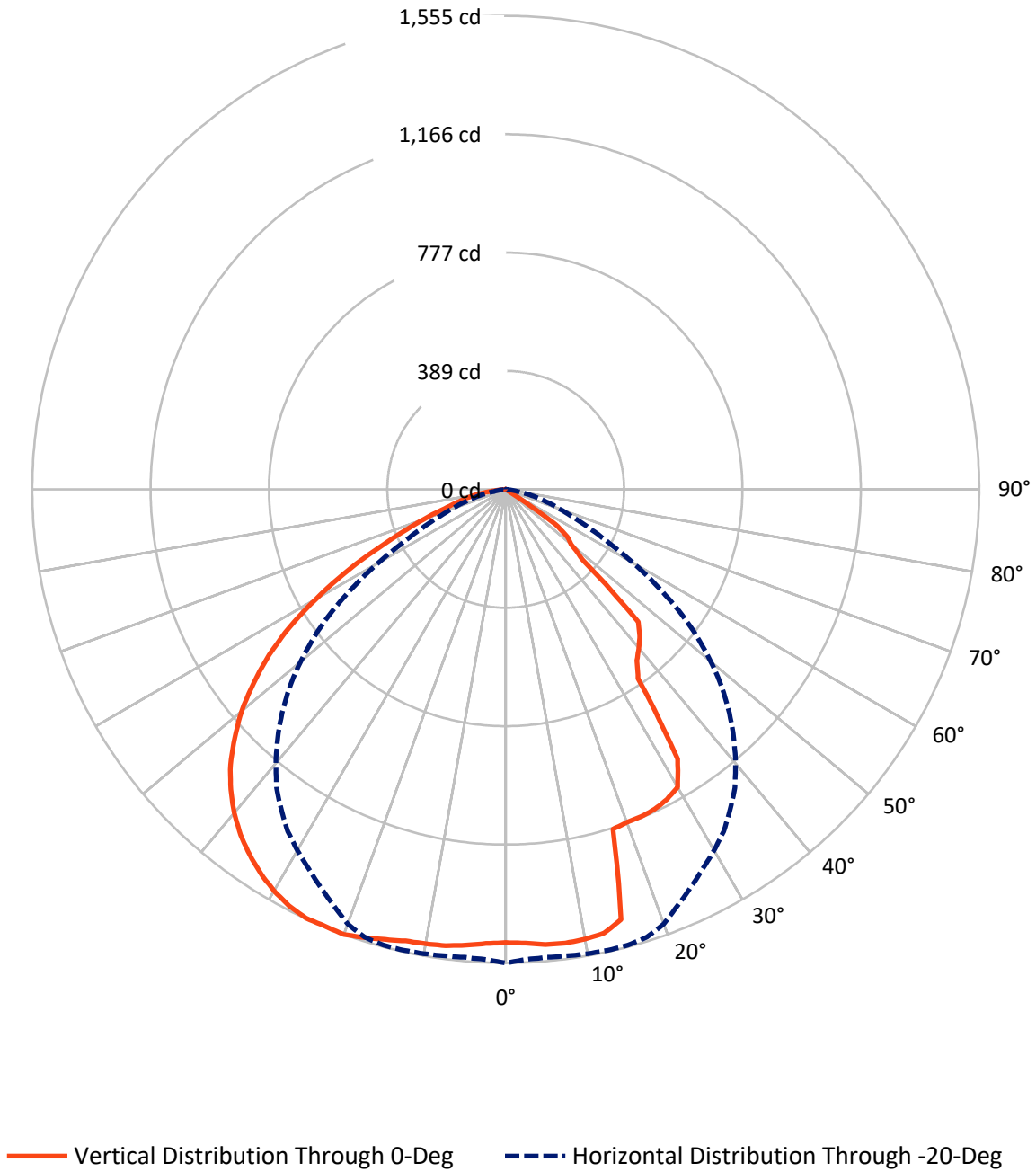
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Lumen Table



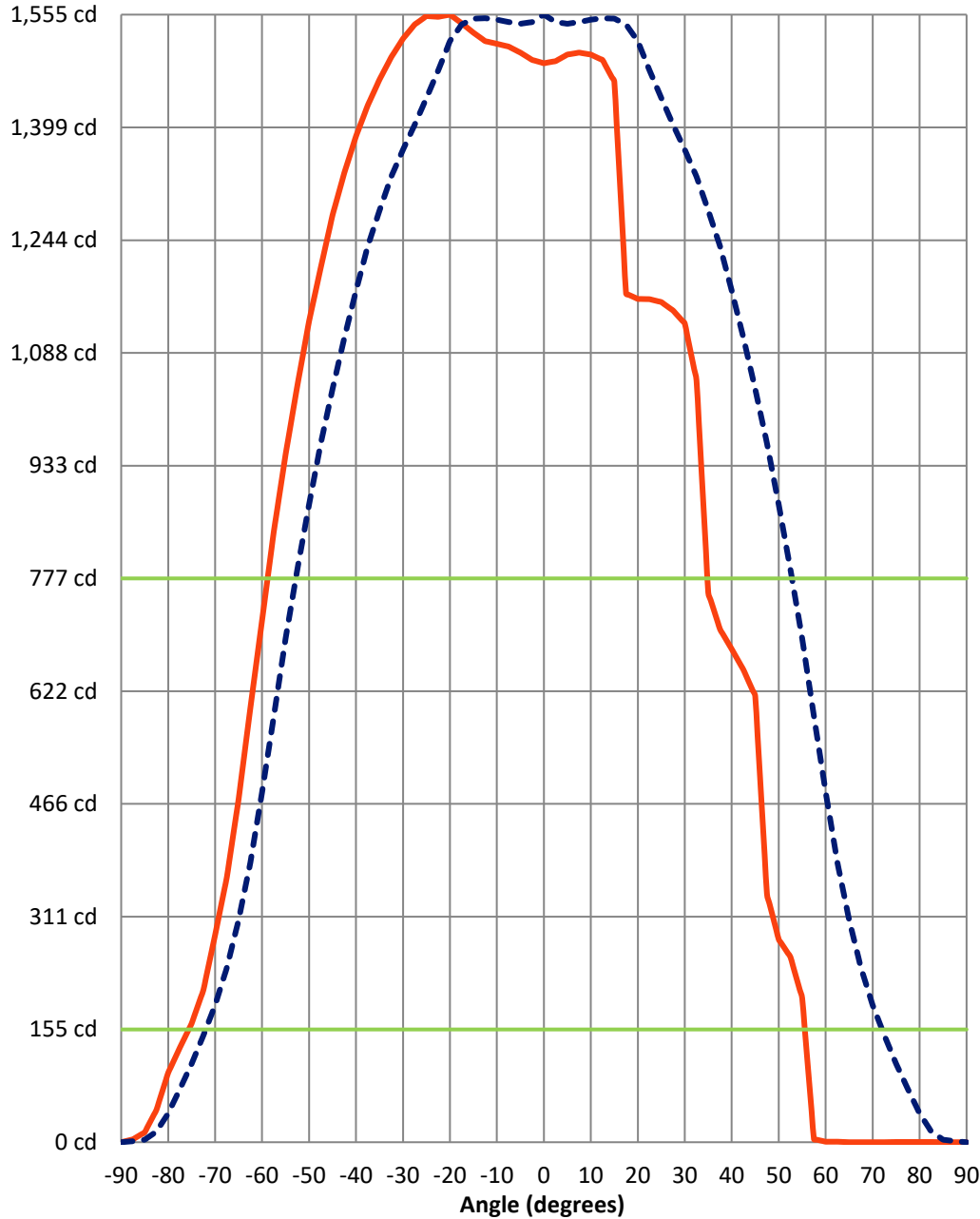
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 2850.2
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 3573.5
 Efficiency: 98.0%

Spill:
 Lumens: 72.4
 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	0.2	0.2	0.2	0.2	0.2	0.1
85°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.3	0.3	0.3
82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3
80°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.6	0.5	0.4	0.3
77.5°	0.0	0.2	0.3	0.5	0.6	0.7	0.7	0.6	0.5	0.4	0.3
75°	0.0	0.2	0.4	0.5	0.7	0.7	0.7	0.6	0.5	0.4	0.3
72.5°	0.0	0.3	0.4	0.6	0.7	0.7	0.7	0.6	0.5	0.4	0.3
70°	0.0	0.3	0.5	0.7	0.8	0.8	0.7	0.6	0.5	0.5	0.5
67.5°	0.0	0.3	0.6	0.7	0.8	0.8	0.8	0.7	0.6	0.7	0.8
65°	0.0	0.4	0.6	0.8	0.8	0.9	0.9	0.7	0.9	1.1	1.3
62.5°	0.0	0.4	0.7	0.8	0.9	1.1	1.1	0.9	1.2	1.8	2.9
60°	0.0	0.4	0.7	0.8	0.9	1.4	1.3	1.3	1.6	4.6	5.0
57.5°	0.0	0.5	0.8	0.9	1.1	1.6	2.3	1.8	4.5	7.8	9.1
55°	0.0	0.5	0.8	0.9	1.4	1.9	3.6	2.9	8.4	12.1	14.7
52.5°	0.0	0.5	0.8	0.9	1.7	2.5	5.2	7.3	12.5	19.0	21.4
50°	0.0	0.6	0.9	1.0	2.0	4.2	7.0	12.3	18.0	26.6	33.4
47.5°	0.0	0.6	0.9	1.0	2.4	6.0	9.4	17.5	25.9	35.1	45.7
45°	0.0	0.6	1.0	1.3	2.7	7.9	14.2	23.0	34.8	45.7	57.6
42.5°	0.0	0.7	1.0	1.6	3.0	10.0	19.1	30.0	43.8	56.1	71.3
40°	0.0	0.7	1.0	1.9	4.1	12.2	24.1	38.0	53.1	66.2	86.0
37.5°	0.0	0.7	1.1	2.3	5.8	14.5	29.2	45.9	62.9	78.4	101.4
35°	0.0	0.7	1.1	2.7	7.5	18.1	34.4	53.9	72.7	93.4	119.5
32.5°	0.0	0.8	1.2	3.2	9.3	22.2	40.0	61.8	82.8	108.5	141.6
30°	0.0	0.8	1.2	3.8	11.1	26.2	46.5	69.8	92.9	123.6	162.8
27.5°	0.0	0.8	1.3	4.3	13.3	30.2	52.8	78.1	104.0	138.7	183.0
25°	0.0	0.8	1.3	4.9	15.6	34.2	59.0	86.4	116.5	155.2	202.3
22.5°	0.0	0.9	1.3	5.5	17.8	38.2	64.9	94.5	128.8	171.6	221.8
20°	0.0	0.9	1.4	6.2	20.1	42.5	70.7	102.4	140.8	187.2	240.9
17.5°	0.0	0.9	1.4	6.8	22.3	46.7	76.4	110.1	152.4	201.7	259.3
15°	0.0	0.9	1.5	7.5	24.4	50.7	81.9	117.2	163.5	215.3	277.0
12.5°	0.0	0.9	1.5	8.1	26.5	54.6	87.1	123.6	172.4	227.9	293.9
10°	0.0	1.0	1.6	8.7	28.5	58.2	91.8	129.5	179.0	235.5	307.6
7.5°	0.0	1.0	1.6	9.4	30.4	61.5	96.2	134.9	184.7	241.3	315.7
5°	0.0	1.0	1.6	9.9	32.2	64.7	100.2	139.7	189.4	246.1	322.2
2.5°	0.0	1.0	1.7	10.5	33.8	67.5	103.8	144.0	193.2	249.7	327.2
0°	0.0	1.0	1.7	11.0	35.2	70.0	106.9	147.7	196.2	252.3	330.6
-2.5°	0.0	1.1	2.0	11.7	36.5	71.6	108.5	149.9	197.3	255.5	332.8
-5°	0.0	1.1	2.2	12.4	37.7	72.9	109.6	151.5	197.7	257.6	333.6
-7.5°	0.0	1.2	2.5	12.9	38.6	73.8	110.3	152.5	197.4	258.5	332.8
-10°	0.0	1.2	2.7	13.4	39.3	74.4	110.7	152.8	196.5	258.0	330.7
-12.5°	0.0	1.3	2.9	13.9	39.8	74.6	110.6	152.6	195.2	255.9	327.1
-15°	0.0	1.3	3.1	14.2	40.0	74.5	110.2	151.7	193.6	251.9	321.8
-17.5°	0.0	1.3	3.3	14.4	40.0	74.1	109.4	149.9	191.7	246.8	315.0
-20°	0.0	1.4	3.5	14.6	39.7	73.3	108.1	147.3	189.1	240.8	306.5



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 CATALOG NUMBER: GFLD-SA1D-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	1.4	3.7	14.6	39.1	72.2	106.3	144.1	185.6	233.8	296.5
-25°	0.0	1.4	3.8	14.6	38.3	70.5	104.1	140.5	181.2	226.0	284.8
-27.5°	0.0	1.4	3.9	14.4	37.2	68.3	101.5	136.4	176.1	218.4	274.6
-30°	0.0	1.5	4.0	14.1	35.8	65.8	98.4	131.8	170.5	211.9	263.6
-32.5°	0.0	1.5	4.1	13.7	34.1	63.1	94.9	127.5	164.5	204.5	251.8
-35°	0.0	1.5	4.2	13.1	32.3	60.1	91.2	123.0	158.1	196.1	239.4
-37.5°	0.0	1.4	4.2	12.5	30.3	57.0	87.1	118.0	151.2	186.7	227.0
-40°	0.0	1.4	4.2	11.7	28.2	54.2	82.8	112.6	143.8	177.8	214.9
-42.5°	0.0	1.4	4.2	10.8	26.5	51.3	78.1	106.7	136.7	168.4	201.7
-45°	0.0	1.4	4.1	10.0	25.4	48.1	73.2	100.6	129.5	158.4	188.1
-47.5°	0.0	1.3	4.1	9.0	24.1	44.8	68.0	94.5	121.7	147.9	176.4
-50°	0.0	1.3	4.0	8.7	22.5	41.2	63.6	88.1	113.1	138.3	164.1
-52.5°	0.0	1.3	3.8	8.5	20.8	37.6	59.3	81.5	104.9	128.4	151.5
-55°	0.0	1.2	3.7	8.3	18.9	34.8	54.7	74.7	96.6	118.2	140.3
-57.5°	0.0	1.1	3.5	7.9	16.8	31.9	50.0	69.3	88.1	108.4	128.9
-60°	0.0	1.1	3.3	7.5	14.6	28.9	45.2	63.4	79.5	98.5	117.5
-62.5°	0.0	1.0	3.1	7.0	13.6	25.5	40.9	57.0	71.6	88.4	106.3
-65°	0.0	0.9	2.9	6.4	12.4	22.0	36.2	50.3	63.3	78.2	94.8
-67.5°	0.0	0.9	2.7	5.7	11.1	19.0	31.2	43.6	54.5	67.6	82.4
-70°	0.0	0.8	2.4	4.9	9.7	16.6	26.0	36.8	46.6	56.5	69.2
-72.5°	0.0	0.7	2.1	4.4	8.1	14.1	22.0	29.8	38.5	47.3	56.3
-75°	0.0	0.6	1.9	3.8	6.5	11.4	18.0	24.0	30.3	38.0	45.8
-77.5°	0.0	0.5	1.6	3.2	5.4	8.6	13.8	18.6	23.6	29.0	35.2
-80°	0.0	0.4	1.3	2.6	4.3	6.5	9.4	13.0	16.9	21.1	25.6
-82.5°	0.0	0.3	1.0	1.9	3.3	4.9	6.9	8.4	10.1	13.1	16.2
-85°	0.0	0.2	0.6	1.3	2.2	3.3	4.6	5.6	6.6	7.6	8.7
-87.5°	0.0	0.1	0.3	0.7	1.1	1.7	2.3	2.8	3.3	3.8	4.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645331 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	0.4	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	0.5	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3
67.5°	0.7	0.6	0.5	0.4	0.5	0.5	0.5	0.4	0.3	0.3	0.3
65°	0.7	0.6	0.8	1.0	0.7	0.6	0.5	0.4	0.4	0.5	0.5
62.5°	1.0	1.3	1.6	2.8	2.1	0.6	1.1	1.3	1.0	0.8	0.8
60°	3.3	2.2	6.6	9.4	5.9	2.2	2.6	8.7	7.5	1.4	4.7
57.5°	6.8	9.4	17.2	17.6	12.1	8.4	24.3	28.1	21.3	12.4	19.0
55°	15.0	23.1	28.6	26.5	28.9	43.7	52.0	46.7	39.3	60.4	77.2
52.5°	29.3	37.5	39.4	45.2	64.8	74.4	71.3	76.3	98.9	122.8	128.0
50°	43.3	50.0	55.2	79.9	95.2	96.1	103.2	125.7	155.8	170.4	166.9
47.5°	56.8	63.7	88.2	111.8	118.7	128.1	145.8	189.1	221.0	221.6	218.0
45°	71.1	89.7	120.8	136.2	147.4	165.6	208.4	268.0	271.1	279.8	333.2
42.5°	86.3	118.9	146.1	162.1	180.1	214.0	271.2	310.3	323.8	361.8	404.7
40°	111.1	147.2	170.9	191.4	214.5	264.0	326.6	363.3	374.3	407.1	439.4
37.5°	136.2	170.8	197.4	222.1	254.2	321.0	393.4	423.6	429.2	435.2	506.7
35°	160.3	195.0	226.8	259.2	298.5	394.7	458.0	486.4	485.5	526.1	601.0
32.5°	182.9	219.7	257.3	300.6	365.5	464.0	527.3	544.3	570.2	629.2	731.4
30°	205.5	247.3	290.5	342.1	424.2	509.6	581.9	609.3	653.6	721.0	795.3
27.5°	228.7	275.6	327.8	388.3	470.6	549.1	610.8	676.3	719.3	779.7	832.7
25°	251.8	305.6	364.7	428.7	503.7	576.9	640.8	716.4	762.6	811.3	860.6
22.5°	276.1	335.9	402.7	460.7	531.7	600.6	676.6	758.6	818.7	849.6	882.7
20°	301.4	368.8	440.0	504.2	559.3	622.6	712.6	812.2	889.8	924.6	929.1
17.5°	326.4	400.6	477.2	546.7	606.1	662.5	750.3	876.4	972.9	1005.2	1019.6
15°	350.8	431.3	514.2	588.1	653.3	722.1	816.0	944.2	1054.5	1090.2	1112.9
12.5°	374.3	460.5	550.6	628.1	700.5	777.7	875.6	993.0	1093.6	1162.8	1204.4
10°	396.7	488.0	585.9	666.5	747.2	829.3	925.0	1029.3	1111.2	1178.0	1237.0
7.5°	408.0	506.1	616.2	703.0	792.7	876.9	965.4	1054.9	1123.9	1189.5	1246.5
5°	415.8	513.5	625.7	715.7	816.8	908.7	994.6	1071.8	1132.3	1197.2	1252.9
2.5°	421.3	518.2	632.1	722.7	825.9	918.4	1002.9	1077.4	1139.1	1202.7	1259.8
0°	424.6	520.5	635.4	727.0	831.6	924.8	1007.8	1079.5	1143.6	1205.4	1266.8
-2.5°	426.5	527.5	637.6	738.0	837.1	930.4	1014.6	1084.6	1151.6	1210.4	1272.0
-5°	426.2	531.7	637.0	745.4	839.7	932.5	1018.1	1087.0	1156.0	1214.1	1274.0
-7.5°	423.9	532.6	634.1	747.7	839.8	931.8	1016.6	1088.1	1155.9	1217.6	1274.2
-10°	419.8	528.9	631.5	741.7	836.6	928.0	1012.0	1085.6	1153.2	1216.9	1273.1
-12.5°	414.9	521.1	625.9	733.1	830.0	921.0	1005.0	1079.4	1148.1	1211.7	1270.6
-15°	407.6	510.8	616.8	722.1	820.0	910.7	996.0	1069.3	1140.3	1202.6	1263.1
-17.5°	397.8	498.0	604.0	709.1	806.6	897.3	984.4	1055.9	1126.6	1190.9	1249.3
-20°	385.5	482.8	587.4	694.3	789.6	879.3	963.7	1038.6	1108.8	1174.2	1235.6



REPORT NUMBER: P645331 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	370.5	465.4	567.4	674.4	768.3	857.0	940.4	1016.5	1089.3	1152.5	1217.9
-25°	355.5	447.0	545.2	646.7	743.7	832.0	915.6	989.7	1064.1	1129.9	1192.0
-27.5°	341.2	425.6	519.6	616.2	715.7	803.6	886.4	960.6	1032.8	1104.7	1164.5
-30°	325.1	400.9	491.4	583.8	680.7	770.2	853.6	930.6	999.3	1070.4	1134.6
-32.5°	307.3	374.7	461.7	550.5	641.9	733.4	816.1	892.5	964.0	1031.2	1098.6
-35°	290.0	353.5	430.2	514.8	600.8	690.6	773.3	849.0	923.3	989.8	1054.2
-37.5°	274.3	330.5	396.7	477.6	559.7	644.6	728.8	802.1	872.7	945.9	1008.6
-40°	257.4	305.9	367.7	439.2	516.6	597.3	677.9	753.7	820.1	892.4	961.5
-42.5°	239.7	285.9	339.1	398.6	471.6	547.7	625.5	699.7	768.6	836.9	905.3
-45°	224.2	264.6	309.9	364.3	423.8	495.4	569.0	642.9	709.1	774.1	841.7
-47.5°	207.7	243.3	285.2	328.6	380.3	440.2	509.4	577.6	645.3	707.2	767.0
-50°	191.3	224.1	258.5	297.6	340.3	388.8	446.3	509.7	571.6	635.1	694.3
-52.5°	177.1	203.9	235.0	267.6	304.1	344.3	390.4	442.5	498.7	552.6	611.7
-55°	162.4	186.5	211.7	240.4	270.8	304.7	342.5	386.2	429.2	479.0	527.3
-57.5°	149.1	169.4	190.8	214.5	240.9	268.0	301.1	335.1	374.1	412.8	451.0
-60°	136.4	153.0	171.2	191.3	212.5	236.6	261.3	290.5	321.9	352.8	385.3
-62.5°	123.7	137.7	152.5	169.2	187.7	205.9	226.9	249.5	272.6	298.8	324.4
-65°	110.6	121.9	134.5	148.3	163.1	178.6	194.8	211.4	231.1	250.3	268.9
-67.5°	96.7	106.4	116.6	127.5	139.9	152.1	164.2	178.3	192.7	206.9	221.7
-70°	81.3	90.4	98.9	107.8	117.0	126.5	136.9	147.2	157.4	168.1	179.9
-72.5°	65.7	74.0	81.5	88.0	95.6	103.5	111.1	118.4	126.1	134.2	142.2
-75°	52.4	57.9	64.6	70.7	76.7	82.2	87.3	93.4	99.8	105.7	110.6
-77.5°	40.9	45.9	50.5	54.6	59.3	64.9	69.8	74.0	78.1	82.5	87.3
-80°	29.8	33.9	38.1	41.8	44.6	47.8	51.5	55.7	59.5	62.5	65.3
-82.5°	19.2	22.2	25.3	28.4	29.7	30.6	31.4	32.9	35.2	37.5	39.6
-85°	9.6	10.4	12.3	14.2	14.9	15.4	15.7	15.9	16.7	17.4	18.0
-87.5°	4.8	5.2	5.7	6.1	5.8	5.5	5.1	4.7	4.6	4.4	4.3
-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: P645331 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	0.5	0.4	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.2
62.5°	0.8	1.0	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
60°	5.2	3.1	1.8	2.1	1.9	1.3	1.6	1.9	1.9	1.7	1.5
57.5°	28.8	21.5	15.9	38.1	38.2	18.2	21.9	34.5	28.4	9.3	8.7
55°	80.2	96.0	126.3	120.0	121.9	140.3	153.2	135.6	132.9	141.7	163.6
52.5°	144.2	159.2	169.4	178.9	190.6	203.1	215.9	224.1	231.8	239.9	244.8
50°	184.1	205.3	219.8	214.4	244.5	256.8	244.3	255.5	269.1	272.9	274.6
47.5°	271.9	302.9	309.1	329.1	347.0	346.6	331.4	332.3	372.8	408.6	426.1
45°	390.8	391.8	411.4	446.6	471.8	463.9	485.2	533.5	549.6	565.2	577.9
42.5°	437.1	456.3	487.4	518.6	537.4	553.7	569.4	587.2	608.1	625.1	638.6
40°	481.9	497.4	529.3	554.4	569.9	585.1	603.5	623.2	642.3	657.2	667.4
37.5°	551.0	562.9	570.7	594.0	623.4	609.9	644.7	669.6	681.1	696.2	697.6
35°	655.4	647.4	637.1	729.9	735.4	704.1	736.6	775.3	754.9	797.5	820.3
32.5°	747.9	746.8	827.7	876.5	848.5	871.4	946.4	943.1	993.2	1016.4	1009.8
30°	835.2	864.9	911.7	948.1	952.9	989.1	1022.4	1051.6	1081.9	1109.0	1110.8
27.5°	879.4	918.3	950.1	971.1	994.5	1025.0	1055.2	1088.1	1113.8	1130.7	1134.9
25°	906.2	945.9	970.0	992.6	1018.5	1044.8	1078.6	1114.4	1135.1	1145.5	1148.9
22.5°	929.8	965.5	991.4	1009.7	1037.6	1065.8	1097.4	1127.7	1150.2	1154.7	1156.4
20°	952.5	986.8	1030.0	1057.0	1055.7	1087.5	1118.0	1142.1	1160.8	1160.6	1161.1
17.5°	1018.3	1030.5	1108.9	1168.5	1139.1	1123.5	1207.2	1208.8	1213.7	1203.8	1182.4
15°	1115.6	1137.9	1234.2	1298.8	1278.5	1277.5	1398.3	1368.4	1394.2	1387.4	1416.5
12.5°	1218.7	1245.1	1317.1	1380.5	1410.7	1418.2	1458.5	1496.4	1504.2	1501.1	1495.4
10°	1289.0	1326.5	1355.4	1393.9	1424.4	1455.5	1478.9	1506.1	1515.0	1509.8	1502.6
7.5°	1298.1	1335.2	1369.2	1402.9	1432.0	1457.1	1481.3	1503.5	1512.5	1509.5	1504.5
5°	1303.9	1337.6	1370.5	1404.8	1432.5	1455.7	1479.9	1502.3	1507.6	1504.1	1499.2
2.5°	1307.5	1338.7	1370.4	1404.5	1429.7	1451.8	1476.3	1500.2	1500.1	1498.6	1495.7
0°	1309.3	1340.5	1377.3	1408.2	1436.4	1457.3	1481.5	1504.8	1503.1	1498.8	1493.8
-2.5°	1313.0	1344.6	1382.2	1407.8	1439.6	1458.8	1483.8	1503.9	1503.2	1501.1	1498.6
-5°	1316.3	1351.9	1387.0	1413.9	1445.8	1470.9	1495.8	1511.5	1512.4	1509.4	1505.2
-7.5°	1318.3	1357.7	1391.3	1418.3	1449.3	1478.4	1503.7	1520.2	1520.5	1516.6	1511.6
-10°	1317.7	1359.3	1393.8	1421.8	1453.4	1482.2	1508.6	1529.6	1528.8	1525.1	1520.9
-12.5°	1315.2	1356.7	1392.2	1420.2	1456.2	1485.8	1515.5	1536.3	1537.5	1534.7	1530.1
-15°	1309.7	1352.6	1387.1	1417.7	1453.0	1487.6	1518.1	1541.1	1545.2	1542.9	1539.2
-17.5°	1298.9	1344.2	1380.8	1413.8	1447.6	1484.4	1519.1	1544.3	1549.9	1549.0	1546.0
-20°	1284.7	1331.5	1368.6	1403.1	1440.0	1478.0	1518.3	1541.3	1549.4	1549.9	1547.9



REPORT NUMBER: P645331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	1268.8	1314.5	1353.9	1387.9	1427.8	1466.3	1502.8	1529.7	1543.4	1545.9	1546.1
-25°	1249.6	1296.6	1335.8	1372.0	1409.1	1448.8	1485.8	1515.8	1529.7	1536.3	1538.3
-27.5°	1222.6	1271.2	1309.7	1348.0	1385.7	1426.8	1465.6	1498.3	1509.5	1518.6	1522.3
-30°	1191.0	1239.0	1278.3	1313.3	1356.5	1398.3	1438.4	1466.9	1483.9	1494.3	1500.0
-32.5°	1154.6	1203.1	1244.3	1280.8	1321.9	1363.7	1401.5	1431.5	1454.9	1466.9	1473.0
-35°	1115.1	1164.6	1207.8	1246.3	1284.9	1324.8	1363.9	1395.3	1422.0	1432.3	1439.9
-37.5°	1067.5	1122.2	1166.4	1206.1	1242.8	1280.3	1321.0	1356.9	1382.8	1392.8	1400.9
-40°	1018.7	1071.5	1116.2	1158.5	1194.8	1235.7	1274.9	1312.5	1335.0	1346.7	1355.8
-42.5°	967.2	1014.9	1057.4	1098.5	1138.9	1181.1	1220.2	1259.3	1278.8	1292.8	1304.0
-45°	907.7	952.1	993.3	1031.8	1073.5	1115.0	1154.2	1188.7	1211.9	1230.2	1244.4
-47.5°	828.4	882.5	923.9	960.5	1001.8	1041.8	1079.8	1112.3	1137.7	1159.1	1175.6
-50°	747.9	799.8	846.5	887.6	925.9	962.9	999.1	1030.9	1057.7	1080.9	1097.7
-52.5°	668.6	717.2	763.6	805.9	842.8	877.7	910.8	942.8	971.1	996.0	1012.2
-55°	579.0	629.3	675.2	714.7	751.6	786.1	818.7	849.1	877.0	902.2	917.8
-57.5°	494.9	539.1	581.7	618.2	653.0	685.9	716.9	745.9	772.7	796.5	811.5
-60°	417.7	449.9	486.6	520.3	551.1	579.0	607.9	635.0	659.7	680.6	694.6
-62.5°	349.4	376.1	402.6	428.2	453.2	478.3	502.5	525.0	545.6	562.7	574.9
-65°	288.5	310.0	329.1	347.3	364.6	384.4	402.8	420.1	436.1	449.2	458.6
-67.5°	237.6	252.6	265.9	278.4	292.0	306.0	319.1	330.6	340.4	348.1	354.3
-70°	191.6	202.7	212.7	222.6	232.6	241.7	250.4	258.8	266.8	273.3	278.2
-72.5°	150.1	157.6	164.4	172.1	179.2	186.1	192.2	197.0	200.8	204.4	207.6
-75°	114.4	120.1	127.8	134.2	139.6	144.3	148.7	152.5	155.9	159.0	161.6
-77.5°	92.0	96.9	101.7	106.5	111.0	114.4	117.6	120.7	123.8	126.5	128.8
-80°	68.2	71.8	75.6	79.4	83.1	85.0	86.5	87.9	89.1	90.7	92.2
-82.5°	41.7	43.7	45.8	47.9	50.1	50.6	50.8	50.7	50.4	49.9	49.0
-85°	18.5	18.6	18.6	18.4	18.0	17.3	16.4	15.3	14.2	14.0	13.8
-87.5°	4.1	4.0	3.9	3.8	3.6	3.6	3.6	3.6	3.6	3.7	3.8
-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: P645331 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6
60°	1.2	0.8	0.7	0.7	0.7	0.8	1.2	1.5	1.7	1.9	1.9
57.5°	7.4	5.5	4.7	4.3	4.7	5.5	7.4	8.7	9.3	28.4	34.5
55°	179.4	188.5	195.4	198.5	195.4	188.5	179.4	163.6	141.7	132.9	135.6
52.5°	249.1	253.0	255.3	255.3	255.3	253.0	249.1	244.8	239.9	231.8	224.1
50°	277.7	279.6	280.3	279.8	280.3	279.6	277.7	274.6	272.9	269.1	255.5
47.5°	410.1	374.6	348.5	342.3	348.5	374.6	410.1	426.1	408.6	372.8	332.3
45°	584.1	597.5	610.9	615.1	610.9	597.5	584.1	577.9	565.2	549.6	533.5
42.5°	644.3	648.7	651.2	651.3	651.2	648.7	644.3	638.6	625.1	608.1	587.2
40°	673.1	677.2	679.6	679.9	679.6	677.2	673.1	667.4	657.2	642.3	623.2
37.5°	699.2	702.7	705.0	707.4	705.0	702.7	699.2	697.6	696.2	681.1	669.6
35°	817.2	790.5	752.1	757.9	752.1	790.5	817.2	820.3	797.5	754.9	775.3
32.5°	1020.1	1031.4	1038.3	1050.3	1038.3	1031.4	1020.1	1009.8	1016.4	993.2	943.1
30°	1113.7	1117.5	1123.1	1129.0	1123.1	1117.5	1113.7	1110.8	1109.0	1081.9	1051.6
27.5°	1137.1	1140.9	1144.4	1146.9	1144.4	1140.9	1137.1	1134.9	1130.7	1113.8	1088.1
25°	1149.3	1151.7	1155.3	1158.5	1155.3	1151.7	1149.3	1148.9	1145.5	1135.1	1114.4
22.5°	1155.4	1155.7	1158.5	1162.5	1158.5	1155.7	1155.4	1156.4	1154.7	1150.2	1127.7
20°	1159.6	1157.4	1160.3	1162.9	1160.3	1157.4	1159.6	1161.1	1160.6	1160.8	1142.1
17.5°	1212.6	1182.4	1169.9	1170.2	1169.9	1182.4	1212.6	1182.4	1203.8	1213.7	1208.8
15°	1383.9	1395.2	1438.7	1462.3	1438.7	1395.2	1383.9	1416.5	1387.4	1394.2	1368.4
12.5°	1494.3	1490.3	1485.1	1492.2	1485.1	1490.3	1494.3	1495.4	1501.1	1504.2	1496.4
10°	1499.5	1499.0	1489.8	1499.8	1489.8	1499.0	1499.5	1502.6	1509.8	1515.0	1506.1
7.5°	1496.4	1496.6	1492.7	1502.5	1492.7	1496.6	1496.4	1504.5	1509.5	1512.5	1503.5
5°	1498.4	1491.7	1494.2	1499.8	1494.2	1491.7	1498.4	1499.2	1504.1	1507.6	1502.3
2.5°	1492.6	1491.9	1486.9	1490.8	1486.9	1491.9	1492.6	1495.7	1498.6	1500.1	1500.2
0°	1488.2	1484.5	1484.5	1487.9	1484.5	1484.5	1488.2	1493.8	1498.8	1503.1	1504.8
-2.5°	1496.0	1495.3	1494.8	1492.5	1494.8	1495.3	1496.0	1498.6	1501.1	1503.2	1503.9
-5°	1502.5	1500.6	1495.0	1502.5	1495.0	1500.6	1502.5	1505.2	1509.4	1512.4	1511.5
-7.5°	1509.5	1504.4	1499.2	1510.8	1499.2	1504.4	1509.5	1511.6	1516.6	1520.5	1520.2
-10°	1515.8	1508.5	1503.5	1514.7	1503.5	1508.5	1515.8	1520.9	1525.1	1528.8	1529.6
-12.5°	1524.2	1515.7	1512.3	1518.4	1512.3	1515.7	1524.2	1530.1	1534.7	1537.5	1536.3
-15°	1533.1	1527.2	1526.4	1530.0	1526.4	1527.2	1533.1	1539.2	1542.9	1545.2	1541.1
-17.5°	1540.9	1536.8	1538.9	1543.0	1538.9	1536.8	1540.9	1546.0	1549.0	1549.9	1544.3
-20°	1544.7	1542.3	1544.7	1554.9	1544.7	1542.3	1544.7	1547.9	1549.9	1549.4	1541.3



REPORT NUMBER: P645331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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°	1544.4	1544.5	1548.6	1551.9	1548.6	1544.5	1544.4	1546.1	1545.9	1543.4	1529.7
-25°	1538.5	1541.6	1546.3	1552.9	1546.3	1541.6	1538.5	1538.3	1536.3	1529.7	1515.8
-27.5°	1524.3	1529.4	1534.3	1541.3	1534.3	1529.4	1524.3	1522.3	1518.6	1509.5	1498.3
-30°	1503.7	1509.9	1514.2	1521.7	1514.2	1509.9	1503.7	1500.0	1494.3	1483.9	1466.9
-32.5°	1478.7	1485.6	1490.8	1496.2	1490.8	1485.6	1478.7	1473.0	1466.9	1454.9	1431.5
-35°	1447.5	1454.9	1460.4	1465.3	1460.4	1454.9	1447.5	1439.9	1432.3	1422.0	1395.3
-37.5°	1409.9	1417.9	1424.1	1429.8	1424.1	1417.9	1409.9	1400.9	1392.8	1382.8	1356.9
-40°	1366.1	1374.4	1381.1	1387.3	1381.1	1374.4	1366.1	1355.8	1346.7	1335.0	1312.5
-42.5°	1315.0	1323.3	1330.2	1336.5	1330.2	1323.3	1315.0	1304.0	1292.8	1278.8	1259.3
-45°	1255.9	1264.5	1271.7	1278.4	1271.7	1264.5	1255.9	1244.4	1230.2	1211.9	1188.7
-47.5°	1187.8	1197.0	1203.2	1206.3	1203.2	1197.0	1187.8	1175.6	1159.1	1137.7	1112.3
-50°	1109.9	1119.0	1126.5	1132.0	1126.5	1119.0	1109.9	1097.7	1080.9	1057.7	1030.9
-52.5°	1024.0	1032.8	1039.2	1043.0	1039.2	1032.8	1024.0	1012.2	996.0	971.1	942.8
-55°	930.0	939.2	945.3	948.1	945.3	939.2	930.0	917.8	902.2	877.0	849.1
-57.5°	823.4	832.1	838.6	842.2	838.6	832.1	823.4	811.5	796.5	772.7	745.9
-60°	705.5	713.2	718.1	720.0	718.1	713.2	705.5	694.6	680.6	659.7	635.0
-62.5°	584.8	592.2	596.7	598.5	596.7	592.2	584.8	574.9	562.7	545.6	525.0
-65°	465.5	470.2	472.7	473.0	472.7	470.2	465.5	458.6	449.2	436.1	420.1
-67.5°	359.1	362.7	364.8	365.5	364.8	362.7	359.1	354.3	348.1	340.4	330.6
-70°	281.8	284.2	285.6	285.8	285.6	284.2	281.8	278.2	273.3	266.8	258.8
-72.5°	210.1	211.8	211.2	209.8	211.2	211.8	210.1	207.6	204.4	200.8	197.0
-75°	163.9	165.8	165.0	163.7	165.0	165.8	163.9	161.6	159.0	155.9	152.5
-77.5°	130.9	132.6	131.8	130.5	131.8	132.6	130.9	128.8	126.5	123.8	120.7
-80°	93.5	94.5	95.3	95.6	95.3	94.5	93.5	92.2	90.7	89.1	87.9
-82.5°	47.8	46.4	45.6	44.5	45.6	46.4	47.8	49.0	49.9	50.4	50.7
-85°	13.5	13.2	13.4	13.6	13.4	13.2	13.5	13.8	14.0	14.2	15.3
-87.5°	3.9	4.0	4.0	4.0	4.0	4.0	3.9	3.8	3.7	3.6	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: P645331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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	0.5	0.5	0.4	0.5	0.5	0.5	0.4	0.4
62.5°	0.7	0.7	0.7	0.7	0.8	1.0	0.8	0.8	0.8	1.0	1.3
60°	1.6	1.3	1.9	2.1	1.8	3.1	5.2	4.7	1.4	7.5	8.7
57.5°	21.9	18.2	38.2	38.1	15.9	21.5	28.8	19.0	12.4	21.3	28.1
55°	153.2	140.3	121.9	120.0	126.3	96.0	80.2	77.2	60.4	39.3	46.7
52.5°	215.9	203.1	190.6	178.9	169.4	159.2	144.2	128.0	122.8	98.9	76.3
50°	244.3	256.8	244.5	214.4	219.8	205.3	184.1	166.9	170.4	155.8	125.7
47.5°	331.4	346.6	347.0	329.1	309.1	302.9	271.9	218.0	221.6	221.0	189.1
45°	485.2	463.9	471.8	446.6	411.4	391.8	390.8	333.2	279.8	271.1	268.0
42.5°	569.4	553.7	537.4	518.6	487.4	456.3	437.1	404.7	361.8	323.8	310.3
40°	603.5	585.1	569.9	554.4	529.3	497.4	481.9	439.4	407.1	374.3	363.3
37.5°	644.7	609.9	623.4	594.0	570.7	562.9	551.0	506.7	435.2	429.2	423.6
35°	736.6	704.1	735.4	729.9	637.1	647.4	655.4	601.0	526.1	485.5	486.4
32.5°	946.4	871.4	848.5	876.5	827.7	746.8	747.9	731.4	629.2	570.2	544.3
30°	1022.4	989.1	952.9	948.1	911.7	864.9	835.2	795.3	721.0	653.6	609.3
27.5°	1055.2	1025.0	994.5	971.1	950.1	918.3	879.4	832.7	779.7	719.3	676.3
25°	1078.6	1044.8	1018.5	992.6	970.0	945.9	906.2	860.6	811.3	762.6	716.4
22.5°	1097.4	1065.8	1037.6	1009.7	991.4	965.5	929.8	882.7	849.6	818.7	758.6
20°	1118.0	1087.5	1055.7	1057.0	1030.0	986.8	952.5	929.1	924.6	889.8	812.2
17.5°	1207.2	1123.5	1139.1	1168.5	1108.9	1030.5	1018.3	1019.6	1005.2	972.9	876.4
15°	1398.3	1277.5	1278.5	1298.8	1234.2	1137.9	1115.6	1112.9	1090.2	1054.5	944.2
12.5°	1458.5	1418.2	1410.7	1380.5	1317.1	1245.1	1218.7	1204.4	1162.8	1093.6	993.0
10°	1478.9	1455.5	1424.4	1393.9	1355.4	1326.5	1289.0	1237.0	1178.0	1111.2	1029.3
7.5°	1481.3	1457.1	1432.0	1402.9	1369.2	1335.2	1298.1	1246.5	1189.5	1123.9	1054.9
5°	1479.9	1455.7	1432.5	1404.8	1370.5	1337.6	1303.9	1252.9	1197.2	1132.3	1071.8
2.5°	1476.3	1451.8	1429.7	1404.5	1370.4	1338.7	1307.5	1259.8	1202.7	1139.1	1077.4
0°	1481.5	1457.3	1436.4	1408.2	1377.3	1340.5	1309.3	1266.8	1205.4	1143.6	1079.5
-2.5°	1483.8	1458.8	1439.6	1407.8	1382.2	1344.6	1313.0	1272.0	1210.4	1151.6	1084.6
-5°	1495.8	1470.9	1445.8	1413.9	1387.0	1351.9	1316.3	1274.0	1214.1	1156.0	1087.0
-7.5°	1503.7	1478.4	1449.3	1418.3	1391.3	1357.7	1318.3	1274.2	1217.6	1155.9	1088.1
-10°	1508.6	1482.2	1453.4	1421.8	1393.8	1359.3	1317.7	1273.1	1216.9	1153.2	1085.6
-12.5°	1515.5	1485.8	1456.2	1420.2	1392.2	1356.7	1315.2	1270.6	1211.7	1148.1	1079.4
-15°	1518.1	1487.6	1453.0	1417.7	1387.1	1352.6	1309.7	1263.1	1202.6	1140.3	1069.3
-17.5°	1519.1	1484.4	1447.6	1413.8	1380.8	1344.2	1298.9	1249.3	1190.9	1126.6	1055.9
-20°	1518.3	1478.0	1440.0	1403.1	1368.6	1331.5	1284.7	1235.6	1174.2	1108.8	1038.6



REPORT NUMBER: P645331 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	1502.8	1466.3	1427.8	1387.9	1353.9	1314.5	1268.8	1217.9	1152.5	1089.3	1016.5
-25°	1485.8	1448.8	1409.1	1372.0	1335.8	1296.6	1249.6	1192.0	1129.9	1064.1	989.7
-27.5°	1465.6	1426.8	1385.7	1348.0	1309.7	1271.2	1222.6	1164.5	1104.7	1032.8	960.6
-30°	1438.4	1398.3	1356.5	1313.3	1278.3	1239.0	1191.0	1134.6	1070.4	999.3	930.6
-32.5°	1401.5	1363.7	1321.9	1280.8	1244.3	1203.1	1154.6	1098.6	1031.2	964.0	892.5
-35°	1363.9	1324.8	1284.9	1246.3	1207.8	1164.6	1115.1	1054.2	989.8	923.3	849.0
-37.5°	1321.0	1280.3	1242.8	1206.1	1166.4	1122.2	1067.5	1008.6	945.9	872.7	802.1
-40°	1274.9	1235.7	1194.8	1158.5	1116.2	1071.5	1018.7	961.5	892.4	820.1	753.7
-42.5°	1220.2	1181.1	1138.9	1098.5	1057.4	1014.9	967.2	905.3	836.9	768.6	699.7
-45°	1154.2	1115.0	1073.5	1031.8	993.3	952.1	907.7	841.7	774.1	709.1	642.9
-47.5°	1079.8	1041.8	1001.8	960.5	923.9	882.5	828.4	767.0	707.2	645.3	577.6
-50°	999.1	962.9	925.9	887.6	846.5	799.8	747.9	694.3	635.1	571.6	509.7
-52.5°	910.8	877.7	842.8	805.9	763.6	717.2	668.6	611.7	552.6	498.7	442.5
-55°	818.7	786.1	751.6	714.7	675.2	629.3	579.0	527.3	479.0	429.2	386.2
-57.5°	716.9	685.9	653.0	618.2	581.7	539.1	494.9	451.0	412.8	374.1	335.1
-60°	607.9	579.0	551.1	520.3	486.6	449.9	417.7	385.3	352.8	321.9	290.5
-62.5°	502.5	478.3	453.2	428.2	402.6	376.1	349.4	324.4	298.8	272.6	249.5
-65°	402.8	384.4	364.6	347.3	329.1	310.0	288.5	268.9	250.3	231.1	211.4
-67.5°	319.1	306.0	292.0	278.4	265.9	252.6	237.6	221.7	206.9	192.7	178.3
-70°	250.4	241.7	232.6	222.6	212.7	202.7	191.6	179.9	168.1	157.4	147.2
-72.5°	192.2	186.1	179.2	172.1	164.4	157.6	150.1	142.2	134.2	126.1	118.4
-75°	148.7	144.3	139.6	134.2	127.8	120.1	114.4	110.6	105.7	99.8	93.4
-77.5°	117.6	114.4	111.0	106.5	101.7	96.9	92.0	87.3	82.5	78.1	74.0
-80°	86.5	85.0	83.1	79.4	75.6	71.8	68.2	65.3	62.5	59.5	55.7
-82.5°	50.8	50.6	50.1	47.9	45.8	43.7	41.7	39.6	37.5	35.2	32.9
-85°	16.4	17.3	18.0	18.4	18.6	18.6	18.5	18.0	17.4	16.7	15.9
-87.5°	3.6	3.6	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.6	4.7
-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: P645331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1D-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	0.2	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	0.4
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	0.6
77.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.6
75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.6
72.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.5	0.6
70°	0.4	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6
67.5°	0.5	0.5	0.5	0.4	0.5	0.6	0.7	0.8	0.7	0.6	0.7
65°	0.5	0.6	0.7	1.0	0.8	0.6	0.7	1.3	1.1	0.9	0.7
62.5°	1.1	0.6	2.1	2.8	1.6	1.3	1.0	2.9	1.8	1.2	0.9
60°	2.6	2.2	5.9	9.4	6.6	2.2	3.3	5.0	4.6	1.6	1.3
57.5°	24.3	8.4	12.1	17.6	17.2	9.4	6.8	9.1	7.8	4.5	1.8
55°	52.0	43.7	28.9	26.5	28.6	23.1	15.0	14.7	12.1	8.4	2.9
52.5°	71.3	74.4	64.8	45.2	39.4	37.5	29.3	21.4	19.0	12.5	7.3
50°	103.2	96.1	95.2	79.9	55.2	50.0	43.3	33.4	26.6	18.0	12.3
47.5°	145.8	128.1	118.7	111.8	88.2	63.7	56.8	45.7	35.1	25.9	17.5
45°	208.4	165.6	147.4	136.2	120.8	89.7	71.1	57.6	45.7	34.8	23.0
42.5°	271.2	214.0	180.1	162.1	146.1	118.9	86.3	71.3	56.1	43.8	30.0
40°	326.6	264.0	214.5	191.4	170.9	147.2	111.1	86.0	66.2	53.1	38.0
37.5°	393.4	321.0	254.2	222.1	197.4	170.8	136.2	101.4	78.4	62.9	45.9
35°	458.0	394.7	298.5	259.2	226.8	195.0	160.3	119.5	93.4	72.7	53.9
32.5°	527.3	464.0	365.5	300.6	257.3	219.7	182.9	141.6	108.5	82.8	61.8
30°	581.9	509.6	424.2	342.1	290.5	247.3	205.5	162.8	123.6	92.9	69.8
27.5°	610.8	549.1	470.6	388.3	327.8	275.6	228.7	183.0	138.7	104.0	78.1
25°	640.8	576.9	503.7	428.7	364.7	305.6	251.8	202.3	155.2	116.5	86.4
22.5°	676.6	600.6	531.7	460.7	402.7	335.9	276.1	221.8	171.6	128.8	94.5
20°	712.6	622.6	559.3	504.2	440.0	368.8	301.4	240.9	187.2	140.8	102.4
17.5°	750.3	662.5	606.1	546.7	477.2	400.6	326.4	259.3	201.7	152.4	110.1
15°	816.0	722.1	653.3	588.1	514.2	431.3	350.8	277.0	215.3	163.5	117.2
12.5°	875.6	777.7	700.5	628.1	550.6	460.5	374.3	293.9	227.9	172.4	123.6
10°	925.0	829.3	747.2	666.5	585.9	488.0	396.7	307.6	235.5	179.0	129.5
7.5°	965.4	876.9	792.7	703.0	616.2	506.1	408.0	315.7	241.3	184.7	134.9
5°	994.6	908.7	816.8	715.7	625.7	513.5	415.8	322.2	246.1	189.4	139.7
2.5°	1002.9	918.4	825.9	722.7	632.1	518.2	421.3	327.2	249.7	193.2	144.0
0°	1007.8	924.8	831.6	727.0	635.4	520.5	424.6	330.6	252.3	196.2	147.7
-2.5°	1014.6	930.4	837.1	738.0	637.6	527.5	426.5	332.8	255.5	197.3	149.9
-5°	1018.1	932.5	839.7	745.4	637.0	531.7	426.2	333.6	257.6	197.7	151.5
-7.5°	1016.6	931.8	839.8	747.7	634.1	532.6	423.9	332.8	258.5	197.4	152.5
-10°	1012.0	928.0	836.6	741.7	631.5	528.9	419.8	330.7	258.0	196.5	152.8
-12.5°	1005.0	921.0	830.0	733.1	625.9	521.1	414.9	327.1	255.9	195.2	152.6
-15°	996.0	910.7	820.0	722.1	616.8	510.8	407.6	321.8	251.9	193.6	151.7
-17.5°	984.4	897.3	806.6	709.1	604.0	498.0	397.8	315.0	246.8	191.7	149.9
-20°	963.7	879.3	789.6	694.3	587.4	482.8	385.5	306.5	240.8	189.1	147.3

Classified

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

Scaled Data Report



REPORT NUMBER: P645331 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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°	940.4	857.0	768.3	674.4	567.4	465.4	370.5	296.5	233.8	185.6	144.1
-25°	915.6	832.0	743.7	646.7	545.2	447.0	355.5	284.8	226.0	181.2	140.5
-27.5°	886.4	803.6	715.7	616.2	519.6	425.6	341.2	274.6	218.4	176.1	136.4
-30°	853.6	770.2	680.7	583.8	491.4	400.9	325.1	263.6	211.9	170.5	131.8
-32.5°	816.1	733.4	641.9	550.5	461.7	374.7	307.3	251.8	204.5	164.5	127.5
-35°	773.3	690.6	600.8	514.8	430.2	353.5	290.0	239.4	196.1	158.1	123.0
-37.5°	728.8	644.6	559.7	477.6	396.7	330.5	274.3	227.0	186.7	151.2	118.0
-40°	677.9	597.3	516.6	439.2	367.7	305.9	257.4	214.9	177.8	143.8	112.6
-42.5°	625.5	547.7	471.6	398.6	339.1	285.9	239.7	201.7	168.4	136.7	106.7
-45°	569.0	495.4	423.8	364.3	309.9	264.6	224.2	188.1	158.4	129.5	100.6
-47.5°	509.4	440.2	380.3	328.6	285.2	243.3	207.7	176.4	147.9	121.7	94.5
-50°	446.3	388.8	340.3	297.6	258.5	224.1	191.3	164.1	138.3	113.1	88.1
-52.5°	390.4	344.3	304.1	267.6	235.0	203.9	177.1	151.5	128.4	104.9	81.5
-55°	342.5	304.7	270.8	240.4	211.7	186.5	162.4	140.3	118.2	96.6	74.7
-57.5°	301.1	268.0	240.9	214.5	190.8	169.4	149.1	128.9	108.4	88.1	69.3
-60°	261.3	236.6	212.5	191.3	171.2	153.0	136.4	117.5	98.5	79.5	63.4
-62.5°	226.9	205.9	187.7	169.2	152.5	137.7	123.7	106.3	88.4	71.6	57.0
-65°	194.8	178.6	163.1	148.3	134.5	121.9	110.6	94.8	78.2	63.3	50.3
-67.5°	164.2	152.1	139.9	127.5	116.6	106.4	96.7	82.4	67.6	54.5	43.6
-70°	136.9	126.5	117.0	107.8	98.9	90.4	81.3	69.2	56.5	46.6	36.8
-72.5°	111.1	103.5	95.6	88.0	81.5	74.0	65.7	56.3	47.3	38.5	29.8
-75°	87.3	82.2	76.7	70.7	64.6	57.9	52.4	45.8	38.0	30.3	24.0
-77.5°	69.8	64.9	59.3	54.6	50.5	45.9	40.9	35.2	29.0	23.6	18.6
-80°	51.5	47.8	44.6	41.8	38.1	33.9	29.8	25.6	21.1	16.9	13.0
-82.5°	31.4	30.6	29.7	28.4	25.3	22.2	19.2	16.2	13.1	10.1	8.4
-85°	15.7	15.4	14.9	14.2	12.3	10.4	9.6	8.7	7.6	6.6	5.6
-87.5°	5.1	5.5	5.8	6.1	5.7	5.2	4.8	4.4	3.8	3.3	2.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Classified

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

Scaled Data Report



REPORT NUMBER: P645331 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-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	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.4	0.3	0.2	0.2	0.1	0.1	0.0
82.5°	0.5	0.5	0.4	0.3	0.2	0.1	0.0
80°	0.7	0.6	0.5	0.4	0.2	0.1	0.0
77.5°	0.7	0.7	0.6	0.5	0.3	0.2	0.0
75°	0.7	0.7	0.7	0.5	0.4	0.2	0.0
72.5°	0.7	0.7	0.7	0.6	0.4	0.3	0.0
70°	0.7	0.8	0.8	0.7	0.5	0.3	0.0
67.5°	0.8	0.8	0.8	0.7	0.6	0.3	0.0
65°	0.9	0.9	0.8	0.8	0.6	0.4	0.0
62.5°	1.1	1.1	0.9	0.8	0.7	0.4	0.0
60°	1.3	1.4	0.9	0.8	0.7	0.4	0.0
57.5°	2.3	1.6	1.1	0.9	0.8	0.5	0.0
55°	3.6	1.9	1.4	0.9	0.8	0.5	0.0
52.5°	5.2	2.5	1.7	0.9	0.8	0.5	0.0
50°	7.0	4.2	2.0	1.0	0.9	0.6	0.0
47.5°	9.4	6.0	2.4	1.0	0.9	0.6	0.0
45°	14.2	7.9	2.7	1.3	1.0	0.6	0.0
42.5°	19.1	10.0	3.0	1.6	1.0	0.7	0.0
40°	24.1	12.2	4.1	1.9	1.0	0.7	0.0
37.5°	29.2	14.5	5.8	2.3	1.1	0.7	0.0
35°	34.4	18.1	7.5	2.7	1.1	0.7	0.0
32.5°	40.0	22.2	9.3	3.2	1.2	0.8	0.0
30°	46.5	26.2	11.1	3.8	1.2	0.8	0.0
27.5°	52.8	30.2	13.3	4.3	1.3	0.8	0.0
25°	59.0	34.2	15.6	4.9	1.3	0.8	0.0
22.5°	64.9	38.2	17.8	5.5	1.3	0.9	0.0
20°	70.7	42.5	20.1	6.2	1.4	0.9	0.0
17.5°	76.4	46.7	22.3	6.8	1.4	0.9	0.0
15°	81.9	50.7	24.4	7.5	1.5	0.9	0.0
12.5°	87.1	54.6	26.5	8.1	1.5	0.9	0.0
10°	91.8	58.2	28.5	8.7	1.6	1.0	0.0
7.5°	96.2	61.5	30.4	9.4	1.6	1.0	0.0
5°	100.2	64.7	32.2	9.9	1.6	1.0	0.0
2.5°	103.8	67.5	33.8	10.5	1.7	1.0	0.0
0°	106.9	70.0	35.2	11.0	1.7	1.0	0.0
-2.5°	108.5	71.6	36.5	11.7	2.0	1.1	0.0
-5°	109.6	72.9	37.7	12.4	2.2	1.1	0.0
-7.5°	110.3	73.8	38.6	12.9	2.5	1.2	0.0
-10°	110.7	74.4	39.3	13.4	2.7	1.2	0.0
-12.5°	110.6	74.6	39.8	13.9	2.9	1.3	0.0
-15°	110.2	74.5	40.0	14.2	3.1	1.3	0.0
-17.5°	109.4	74.1	40.0	14.4	3.3	1.3	0.0
-20°	108.1	73.3	39.7	14.6	3.5	1.4	0.0

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REPORT NUMBER: P645331 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1D-722-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	106.3	72.2	39.1	14.6	3.7	1.4	0.0
-25°	104.1	70.5	38.3	14.6	3.8	1.4	0.0
-27.5°	101.5	68.3	37.2	14.4	3.9	1.4	0.0
-30°	98.4	65.8	35.8	14.1	4.0	1.5	0.0
-32.5°	94.9	63.1	34.1	13.7	4.1	1.5	0.0
-35°	91.2	60.1	32.3	13.1	4.2	1.5	0.0
-37.5°	87.1	57.0	30.3	12.5	4.2	1.4	0.0
-40°	82.8	54.2	28.2	11.7	4.2	1.4	0.0
-42.5°	78.1	51.3	26.5	10.8	4.2	1.4	0.0
-45°	73.2	48.1	25.4	10.0	4.1	1.4	0.0
-47.5°	68.0	44.8	24.1	9.0	4.1	1.3	0.0
-50°	63.6	41.2	22.5	8.7	4.0	1.3	0.0
-52.5°	59.3	37.6	20.8	8.5	3.8	1.3	0.0
-55°	54.7	34.8	18.9	8.3	3.7	1.2	0.0
-57.5°	50.0	31.9	16.8	7.9	3.5	1.1	0.0
-60°	45.2	28.9	14.6	7.5	3.3	1.1	0.0
-62.5°	40.9	25.5	13.6	7.0	3.1	1.0	0.0
-65°	36.2	22.0	12.4	6.4	2.9	0.9	0.0
-67.5°	31.2	19.0	11.1	5.7	2.7	0.9	0.0
-70°	26.0	16.6	9.7	4.9	2.4	0.8	0.0
-72.5°	22.0	14.1	8.1	4.4	2.1	0.7	0.0
-75°	18.0	11.4	6.5	3.8	1.9	0.6	0.0
-77.5°	13.8	8.6	5.4	3.2	1.6	0.5	0.0
-80°	9.4	6.5	4.3	2.6	1.3	0.4	0.0
-82.5°	6.9	4.9	3.3	1.9	1.0	0.3	0.0
-85°	4.6	3.3	2.2	1.3	0.6	0.2	0.0
-87.5°	2.3	1.7	1.1	0.7	0.3	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)