

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: P627590 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA5B-740-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627590 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5B-740-U-VWR-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

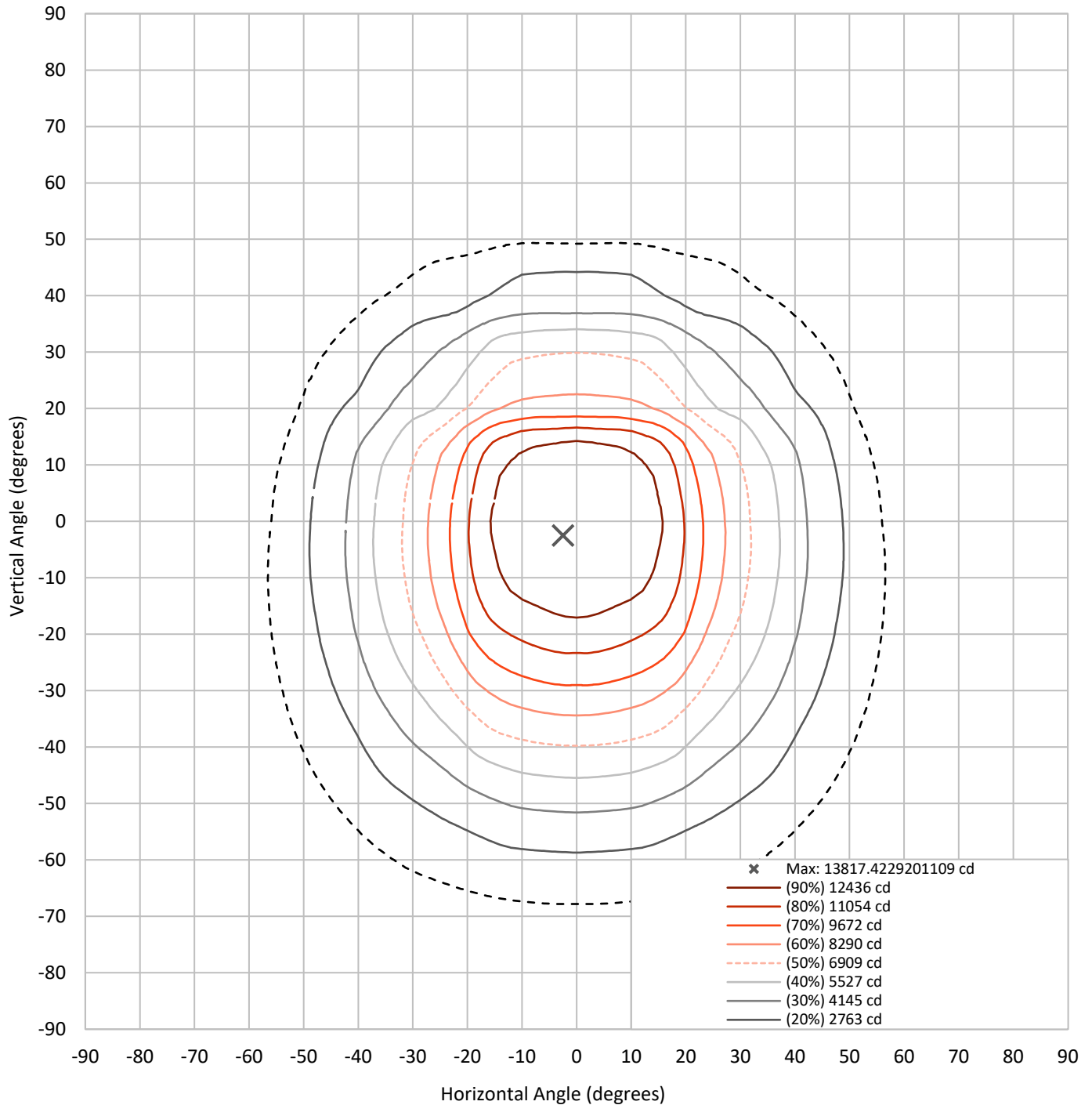
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	18439.8 lumens	Max Intensity:	13817.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	116.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	10668.7 lumens	Field Lumens:	17498.2 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	158.7		
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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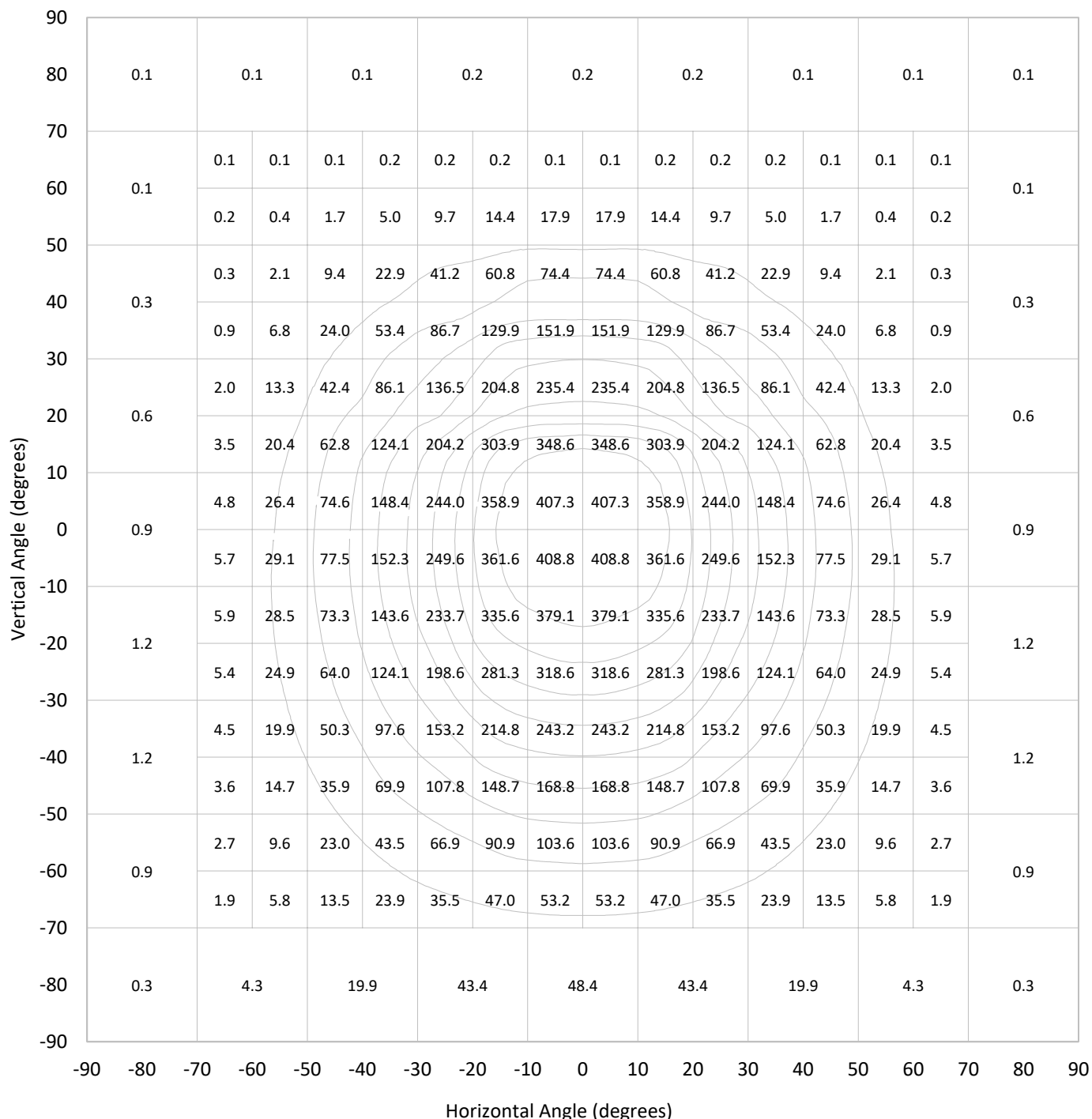
Iso-Candela Plot





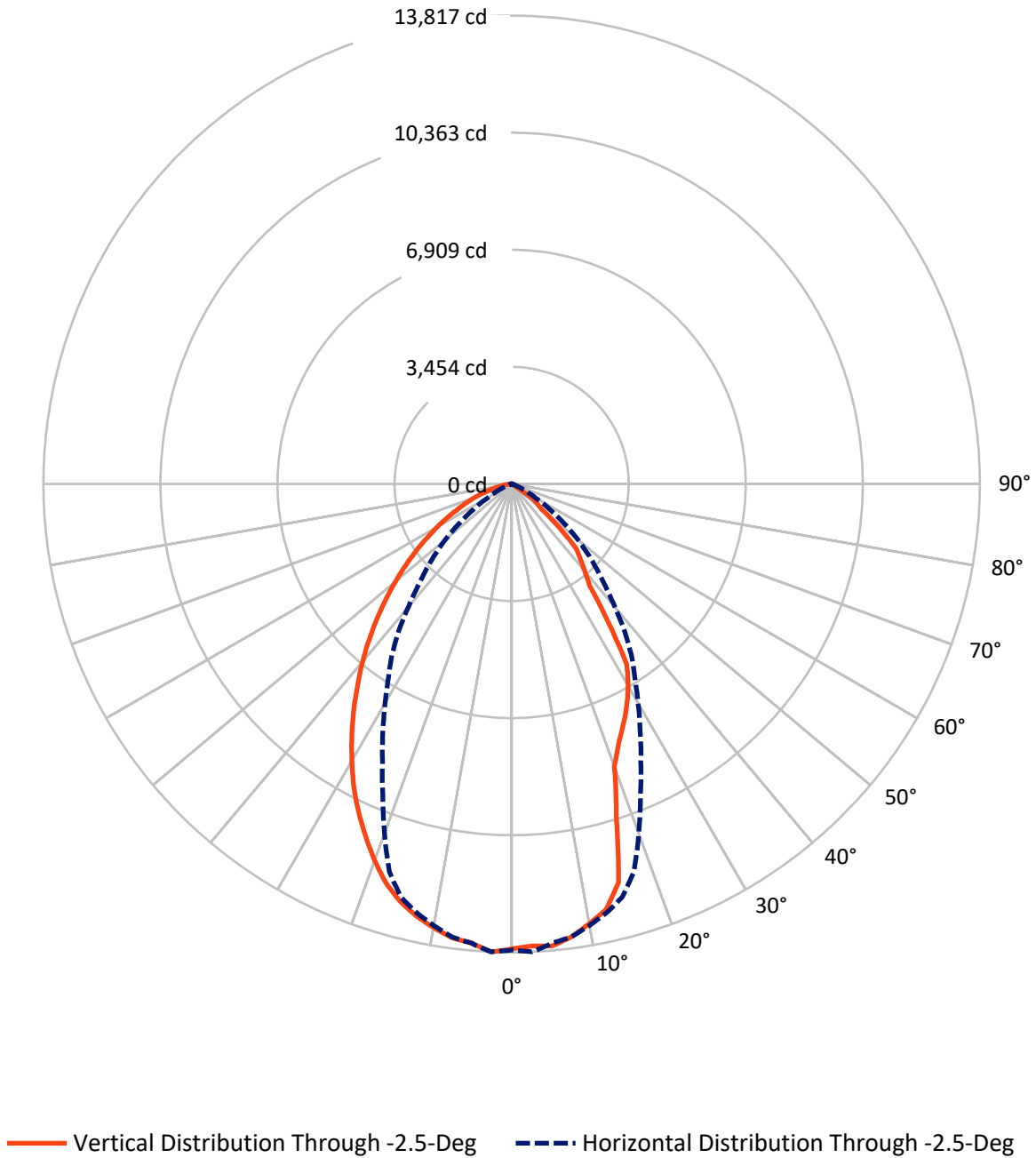
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Lumen Table



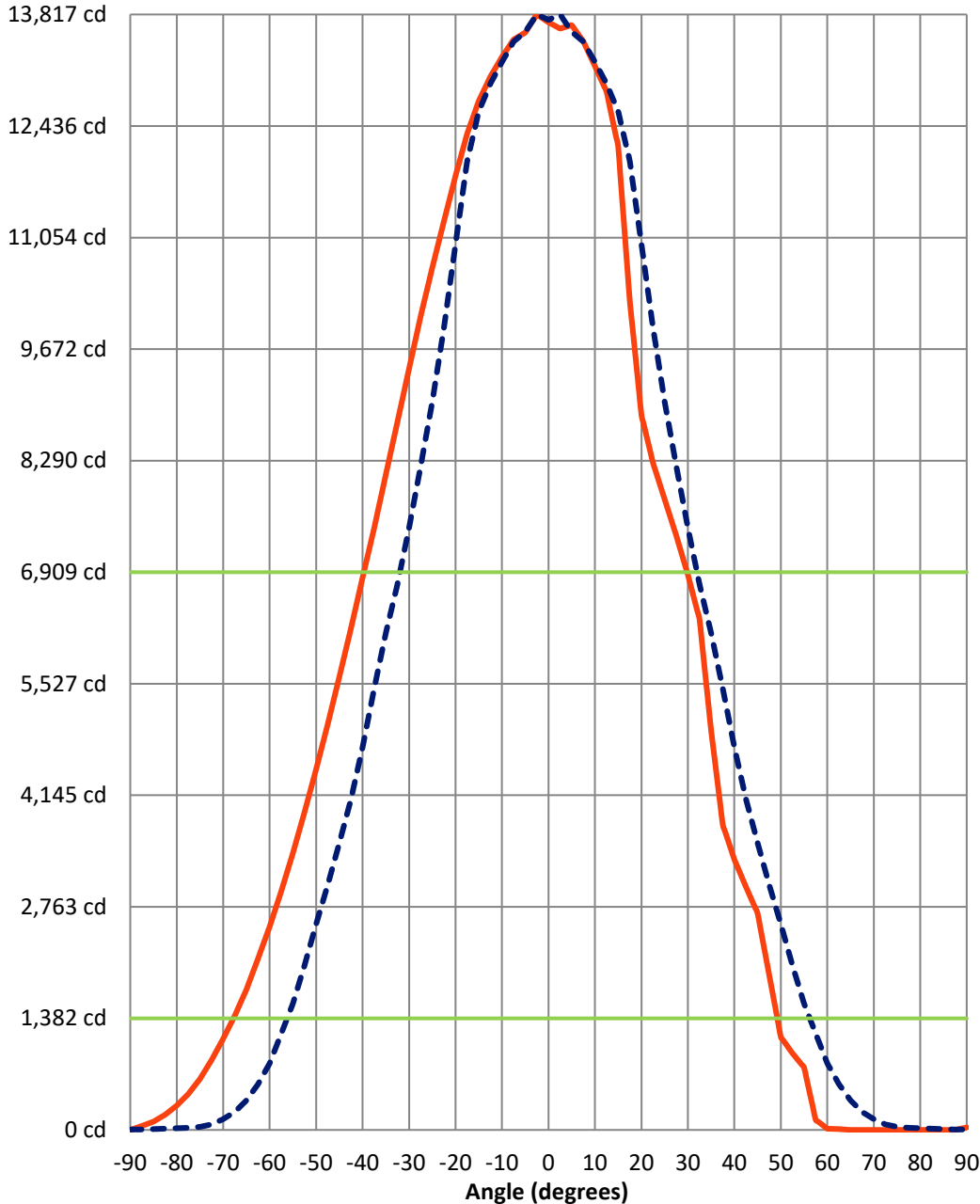
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 10668.7
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 17498.2
 Efficiency: 94.9%

Spill:
 Lumens: 941.6
 Efficiency: 5.1%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through -2.5-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°	5.2	5.2	5.2	6.5	7.8	9.0	10.3	11.6	12.9	14.2	15.5
87.5°	5.2	5.2	5.2	5.0	4.7	4.4	3.9	2.7	1.7	0.8	0.0
85°	5.2	5.2	5.2	4.9	4.3	3.5	2.5	1.6	0.8	0.3	0.0
82.5°	5.2	5.2	5.2	4.7	3.9	2.7	1.2	0.4	0.1	0.8	1.4
80°	5.2	5.2	5.2	4.6	3.5	1.9	0.3	1.0	1.9	2.7	3.6
77.5°	5.2	5.2	5.2	4.4	3.1	1.7	1.6	2.6	3.6	4.7	4.7
75°	5.2	5.2	5.2	4.3	2.8	2.6	2.9	4.1	5.1	4.2	2.7
72.5°	5.2	5.2	5.2	4.2	3.3	3.4	4.2	5.1	4.4	3.0	0.9
70°	5.2	5.2	5.2	4.2	3.7	4.1	5.2	4.9	3.8	2.0	2.4
67.5°	5.2	5.2	5.2	4.3	4.1	4.9	5.4	4.8	3.4	4.0	4.6
65°	5.2	5.2	5.2	4.5	4.5	5.4	5.6	4.7	5.2	6.0	6.4
62.5°	5.2	5.2	5.2	4.7	4.9	5.8	5.8	5.9	7.0	7.8	7.1
60°	5.2	5.2	5.2	4.8	5.2	6.2	6.2	7.4	8.7	9.0	8.1
57.5°	5.2	5.2	5.3	4.9	5.7	6.7	7.4	8.9	10.2	10.4	10.1
55°	5.2	5.2	5.3	5.0	6.2	7.2	8.7	10.4	11.8	12.0	12.5
52.5°	5.2	5.2	5.4	5.1	6.7	7.9	9.9	11.9	13.5	14.2	15.0
50°	5.2	5.2	5.5	5.2	7.3	9.0	11.2	13.4	15.3	16.4	17.4
47.5°	5.2	5.2	5.7	5.3	7.9	10.0	12.4	14.9	17.2	18.5	19.8
45°	5.2	5.2	5.8	5.8	8.5	11.0	13.6	16.3	19.0	20.7	22.2
42.5°	5.2	5.2	6.0	6.3	9.1	12.0	14.8	17.8	20.9	22.8	27.0
40°	5.2	5.2	6.2	6.9	9.9	12.9	16.0	19.6	23.0	25.0	32.2
37.5°	5.2	5.2	6.4	7.6	10.6	13.9	17.1	21.4	25.1	28.4	37.5
35°	5.2	5.2	6.6	8.2	11.3	14.8	18.2	23.3	27.4	34.9	47.7
32.5°	5.2	5.2	6.8	8.9	12.0	15.6	19.3	25.2	29.8	42.5	68.1
30°	5.2	5.2	7.1	9.5	12.7	16.5	20.9	27.1	32.2	51.2	87.9
27.5°	5.2	5.2	7.3	10.1	13.5	17.2	22.4	29.2	36.5	60.9	107.1
25°	5.2	5.2	7.6	10.7	14.3	18.0	23.9	31.2	44.0	75.0	125.9
22.5°	5.2	5.2	7.9	11.3	15.1	18.8	25.4	33.2	51.8	90.5	150.7
20°	5.2	5.2	8.1	11.9	15.8	19.7	26.9	35.3	60.0	105.2	175.4
17.5°	5.2	5.2	8.4	12.4	16.5	20.6	28.4	37.3	68.3	119.1	199.6
15°	5.2	5.2	8.7	12.9	17.2	21.5	29.8	39.9	76.6	132.1	223.2
12.5°	5.2	5.2	9.0	13.4	17.9	22.3	31.2	43.5	85.9	144.1	245.7
10°	5.2	5.2	9.3	13.9	18.5	23.1	32.4	47.2	95.7	158.2	268.4
7.5°	5.2	5.2	9.6	14.3	19.1	23.9	33.5	51.0	105.1	171.8	292.1
5°	5.2	5.2	9.8	14.8	19.6	24.5	34.5	54.8	113.8	184.5	314.0
2.5°	5.2	5.2	10.1	15.1	20.1	25.2	35.3	58.5	121.8	196.0	333.7
0°	5.2	5.2	10.3	15.5	20.6	25.8	36.1	61.9	128.9	206.3	350.7
-2.5°	5.2	5.2	10.3	15.5	20.6	25.8	36.1	61.9	128.9	206.3	350.7
-5°	5.2	5.2	10.3	15.4	21.4	26.8	39.9	74.0	138.2	236.9	378.7
-7.5°	5.2	5.2	10.2	15.4	21.7	27.3	41.5	79.0	141.4	248.5	388.5
-10°	5.2	5.2	10.1	15.3	22.0	27.7	42.9	83.2	143.8	256.9	395.8
-12.5°	5.2	5.2	10.1	15.1	22.2	28.0	43.9	86.3	145.4	261.3	401.4
-15°	5.2	5.2	10.0	15.0	22.2	28.3	44.5	88.2	148.5	260.9	403.4
-17.5°	5.2	5.2	9.8	14.8	22.2	28.5	44.7	90.1	152.9	258.2	400.9
-20°	5.2	5.2	9.7	14.6	22.1	28.7	45.9	91.9	155.8	253.5	393.5

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CATALOG NUMBER: GFLD-SA5B-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.2	5.2	9.5	14.3	21.8	28.8	48.8	92.7	157.1	246.7	381.0
-25°	5.2	5.2	9.3	14.0	21.4	30.7	51.2	92.4	156.6	238.0	363.2
-27.5°	5.2	5.2	9.1	13.7	20.9	33.1	53.1	91.0	154.4	230.5	350.1
-30°	5.2	5.2	8.9	13.4	20.4	35.2	54.4	88.5	151.5	227.2	335.5
-32.5°	5.2	5.2	8.7	13.0	21.2	36.9	55.1	88.6	147.8	221.5	318.9
-35°	5.2	5.2	8.5	12.7	21.7	38.2	56.6	89.1	142.7	213.5	300.5
-37.5°	5.2	5.2	8.2	12.3	22.1	39.1	58.1	88.8	136.1	203.2	292.3
-40°	5.2	5.2	7.9	11.8	22.2	39.4	59.0	87.6	128.1	193.2	283.2
-42.5°	5.2	5.2	7.6	11.6	22.4	39.4	59.3	85.6	123.5	185.3	269.1
-45°	5.2	5.2	7.3	11.6	22.5	39.1	59.1	83.8	120.2	175.4	251.5
-47.5°	5.2	5.2	7.0	11.6	22.3	38.5	58.2	82.6	115.9	163.6	237.6
-50°	5.2	5.2	6.7	11.4	21.9	37.6	56.9	80.5	112.4	159.3	221.1
-52.5°	5.2	5.2	6.3	11.2	21.2	36.4	55.4	77.7	109.5	153.7	203.3
-55°	5.2	5.2	5.9	10.9	20.3	34.9	53.4	74.2	105.9	146.7	194.8
-57.5°	5.2	5.2	5.6	10.5	19.2	33.0	51.0	71.1	101.0	139.4	184.8
-60°	5.2	5.2	5.2	10.1	17.8	30.8	48.2	67.5	94.6	130.7	173.2
-62.5°	5.2	5.2	5.2	9.5	16.9	28.2	44.3	62.9	86.8	120.4	159.7
-65°	5.2	5.2	5.2	8.9	15.8	25.2	39.9	57.0	77.3	106.8	144.4
-67.5°	5.2	5.2	5.2	8.2	14.5	22.7	35.1	50.0	66.3	90.9	124.0
-70°	5.2	5.2	5.2	7.5	13.2	20.6	29.9	42.6	56.8	73.3	100.2
-72.5°	5.2	5.2	5.2	7.3	11.8	18.4	26.4	34.8	46.8	60.8	76.7
-75°	5.2	5.2	5.2	7.3	10.3	16.0	23.0	29.4	36.5	47.9	61.0
-77.5°	5.2	5.2	5.2	7.2	9.8	13.6	19.4	24.7	30.3	36.3	44.8
-80°	5.2	5.2	5.2	7.1	9.4	12.2	15.7	19.9	24.4	29.2	34.5
-82.5°	5.2	5.2	5.2	6.9	9.0	11.5	14.2	16.2	18.4	22.0	26.0
-85°	5.2	5.2	5.2	6.8	8.6	10.7	12.9	14.7	16.4	18.1	19.8
-87.5°	5.2	5.2	5.2	6.6	8.2	9.9	11.6	13.1	14.7	16.2	17.6
-90°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	3.9	2.6	1.3	0.0



REPORT NUMBER: P627590 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	16.8	18.1	19.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.5	1.3	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.4	2.8	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.1	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.9	1.5	1.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.9	3.2	2.1	0.9	0.0	0.3	0.8	0.6	0.0	0.3	0.7
67.5°	4.8	3.6	2.4	1.5	2.0	2.6	2.5	2.6	2.8	3.1	2.6
65°	5.1	3.8	3.9	4.5	5.1	5.6	6.0	6.4	5.4	4.7	4.8
62.5°	5.4	5.8	6.7	7.5	8.3	9.0	9.0	8.1	6.1	7.7	8.8
60°	7.7	8.4	9.5	10.5	11.5	12.1	11.6	11.7	13.0	15.1	29.0
57.5°	10.3	11.0	12.3	13.9	15.4	15.6	16.1	17.4	40.9	66.8	73.8
55°	13.0	13.6	15.8	18.3	19.8	19.7	28.3	59.6	90.0	124.7	137.5
52.5°	15.7	16.8	20.5	23.6	25.5	39.8	71.6	114.2	159.0	198.9	250.4
50°	18.4	22.1	25.9	30.4	48.5	85.6	132.3	190.4	257.9	321.6	386.9
47.5°	23.0	27.6	33.5	48.0	95.7	147.2	211.7	305.2	388.6	465.6	555.0
45°	28.4	38.2	44.6	95.0	150.4	216.9	326.2	440.5	516.1	619.1	777.3
42.5°	34.0	52.8	85.2	143.5	211.1	318.3	453.8	551.2	651.8	818.9	985.2
40°	48.9	70.8	128.6	197.9	283.5	440.0	579.0	689.2	826.6	1011.8	1185.4
37.5°	67.0	108.0	172.8	256.0	397.1	568.6	717.5	875.0	1032.9	1207.5	1529.6
35°	87.2	142.6	228.8	341.1	510.8	711.3	888.8	1064.8	1246.8	1590.7	1910.2
32.5°	113.4	174.4	287.4	440.0	633.7	853.8	1059.9	1263.2	1555.2	1944.4	2265.0
30°	141.6	225.6	354.8	531.5	749.5	984.3	1232.1	1478.3	1864.7	2186.7	2534.8
27.5°	171.1	279.6	433.8	627.1	857.8	1107.5	1387.1	1738.3	2083.0	2401.1	2783.7
25°	201.4	335.9	506.0	718.6	964.4	1240.6	1562.2	1990.0	2259.6	2611.2	3010.3
22.5°	240.4	389.7	577.6	801.5	1063.2	1377.3	1787.5	2217.1	2534.4	2830.1	3220.0
20°	285.4	450.3	655.4	905.4	1160.0	1510.9	2011.5	2463.4	2836.6	3175.2	3533.3
17.5°	327.5	507.0	738.7	1011.5	1300.9	1682.2	2231.4	2731.4	3142.1	3519.5	3966.5
15°	366.4	559.4	820.3	1111.8	1439.3	1878.3	2428.5	2977.7	3446.6	3871.3	4379.3
12.5°	402.0	607.2	898.9	1205.8	1569.7	2047.4	2594.0	3130.0	3645.5	4198.8	4775.3
10°	434.1	650.3	973.1	1292.5	1690.6	2190.4	2730.8	3257.1	3777.2	4362.7	5003.2
7.5°	468.5	690.6	1040.5	1371.3	1800.5	2308.5	2840.0	3359.1	3883.5	4493.8	5151.4
5°	500.3	727.6	1094.0	1427.8	1885.5	2400.7	2922.2	3436.5	3964.3	4591.5	5263.5
2.5°	528.2	758.7	1137.7	1472.1	1948.5	2468.5	2975.6	3501.1	4024.2	4670.9	5349.2
0°	551.9	784.0	1170.9	1506.1	1996.1	2517.1	3007.1	3543.5	4059.3	4724.7	5405.5
-2.5°	567.1	825.4	1193.7	1565.4	2037.7	2548.9	3035.2	3555.4	4097.0	4741.7	5468.8
-5°	577.8	858.9	1207.5	1611.2	2065.0	2562.9	3044.5	3546.2	4107.0	4737.4	5478.1
-7.5°	584.0	882.6	1213.9	1637.2	2074.5	2554.5	3028.8	3528.7	4090.6	4721.2	5437.1
-10°	587.6	890.0	1222.6	1629.3	2061.9	2526.8	2993.9	3487.8	4043.8	4668.4	5359.3
-12.5°	597.3	885.3	1221.1	1612.0	2034.8	2485.1	2942.2	3422.9	3965.8	4578.5	5251.7
-15°	599.7	874.6	1206.5	1586.5	1993.4	2430.4	2874.5	3334.0	3869.7	4490.8	5132.7
-17.5°	594.3	858.7	1177.9	1553.9	1937.8	2364.1	2794.7	3253.8	3779.6	4389.7	5007.8
-20°	580.5	837.8	1134.7	1515.4	1872.0	2290.5	2714.8	3169.8	3675.9	4249.4	4868.0

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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°	557.8	812.7	1088.0	1461.7	1815.1	2206.1	2621.1	3055.2	3546.0	4067.4	4680.1
-25°	534.5	784.3	1051.3	1387.9	1746.6	2107.4	2513.5	2915.2	3393.3	3905.5	4449.1
-27.5°	512.3	744.7	1013.1	1307.1	1666.0	2002.0	2391.9	2783.7	3221.7	3723.7	4224.2
-30°	483.4	701.8	966.4	1229.4	1569.6	1902.8	2256.3	2641.8	3035.7	3512.1	4004.5
-32.5°	457.8	657.3	913.2	1170.2	1466.0	1791.0	2110.0	2477.5	2861.9	3268.0	3754.6
-35°	440.7	631.0	856.8	1101.9	1360.3	1669.4	1972.9	2292.1	2664.4	3045.5	3472.8
-37.5°	426.9	600.7	797.5	1030.6	1276.6	1541.8	1826.0	2119.7	2444.6	2828.8	3230.5
-40°	405.1	566.7	753.6	962.6	1179.7	1420.9	1684.6	1950.5	2232.1	2607.5	3003.8
-42.5°	377.1	533.7	712.2	888.7	1087.0	1307.2	1541.6	1792.0	2062.6	2388.7	2753.0
-45°	355.7	491.5	666.1	824.2	988.4	1189.7	1409.9	1636.7	1892.0	2171.9	2499.1
-47.5°	328.4	445.6	605.9	753.7	898.3	1070.2	1271.5	1486.2	1712.3	1964.5	2232.7
-50°	299.2	407.3	532.2	676.1	814.0	956.9	1128.6	1327.2	1532.3	1752.2	1991.5
-52.5°	277.1	362.6	476.6	596.3	727.8	857.4	1003.6	1173.9	1357.1	1540.8	1751.3
-55°	252.1	329.7	423.6	531.0	642.9	762.9	896.0	1045.1	1194.5	1363.2	1531.2
-57.5°	234.5	298.0	379.4	472.7	573.3	675.2	800.8	926.9	1065.1	1204.8	1344.2
-60°	220.7	270.6	338.2	420.3	509.9	605.3	708.4	824.8	943.8	1057.8	1178.2
-62.5°	204.9	248.4	301.2	368.2	449.1	532.1	622.9	722.6	830.3	926.3	1019.6
-65°	184.5	222.3	267.6	322.1	385.7	455.8	533.2	617.3	710.4	788.3	864.5
-67.5°	161.1	192.9	230.9	275.5	328.5	383.2	439.9	511.1	586.6	650.2	712.4
-70°	131.6	161.1	192.1	228.5	270.0	316.4	366.4	418.0	469.7	521.6	578.5
-72.5°	100.8	127.5	153.9	179.8	212.9	250.9	291.7	334.9	380.1	424.5	467.7
-75°	76.8	94.2	117.2	140.6	163.6	188.3	215.9	250.3	292.2	335.3	374.8
-77.5°	58.0	72.6	87.9	104.0	118.5	136.7	156.6	178.0	212.7	252.4	292.5
-80°	41.9	50.6	62.8	75.7	85.9	96.0	106.4	117.3	143.0	175.0	209.2
-82.5°	31.1	37.0	43.8	51.3	56.5	61.5	67.1	74.3	93.3	114.9	137.8
-85°	21.4	23.1	26.8	31.0	33.9	36.8	39.8	42.8	53.1	64.7	77.1
-87.5°	18.4	19.3	20.3	21.4	21.8	22.1	22.5	22.8	26.2	29.9	33.6
-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-SA5B-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	20.6	21.9	23.2	24.5	25.8	27.1	28.4	29.6	30.9	30.9	30.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2.4	2.7	2.7	2.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	5.5	5.2	3.9	2.5	1.2	1.9	3.1	3.7	3.8	3.4	2.6
62.5°	8.2	7.5	6.8	7.8	9.4	10.8	10.4	9.9	9.2	8.7	9.0
60°	30.5	20.3	23.5	29.5	27.6	18.9	31.1	35.2	30.0	20.5	19.8
57.5°	77.3	74.6	85.5	124.9	137.5	125.3	149.6	181.7	180.7	155.6	154.8
55°	164.7	221.0	289.0	300.0	347.2	442.0	515.8	483.4	483.2	507.5	585.9
52.5°	312.9	366.0	385.8	438.6	537.4	609.1	655.2	702.9	755.2	808.5	862.6
50°	459.2	510.8	569.3	623.3	760.1	833.7	821.4	920.3	1046.7	1125.7	1166.3
47.5°	673.5	754.8	878.5	1072.4	1174.5	1248.3	1340.1	1452.0	1596.9	1793.4	1944.8
45°	925.9	1053.7	1245.1	1451.1	1609.6	1681.8	1786.8	1960.1	2191.1	2416.1	2580.4
42.5°	1132.2	1307.5	1523.5	1720.3	1849.5	1968.1	2104.1	2250.3	2514.9	2755.1	2945.0
40°	1401.3	1537.9	1780.2	1965.8	2081.5	2199.0	2414.5	2633.3	2882.1	3106.0	3261.5
37.5°	1742.5	1896.3	2148.3	2358.1	2469.5	2511.1	2877.5	3182.1	3384.3	3670.1	3763.5
35°	2109.1	2362.1	2683.2	2955.3	3064.5	3282.5	3660.1	4085.0	4545.4	4714.8	4859.2
32.5°	2518.0	2830.1	3265.9	3557.9	3713.7	4044.5	4522.3	4975.9	5578.1	5904.8	6002.5
30°	2892.1	3250.3	3624.9	3908.6	4175.0	4573.4	5009.2	5568.5	6125.2	6543.1	6672.8
27.5°	3166.7	3563.0	3923.1	4188.8	4489.5	4919.0	5462.3	6028.7	6575.2	7001.4	7152.9
25°	3428.7	3876.7	4161.8	4470.8	4823.8	5291.9	5894.0	6523.4	7061.6	7421.9	7607.6
22.5°	3726.8	4168.5	4474.6	4736.3	5197.9	5737.3	6296.2	7007.3	7577.6	7865.1	8066.4
20°	4034.4	4534.2	5007.0	5250.4	5649.9	6332.8	6958.5	7629.8	8180.5	8480.1	8692.2
17.5°	4463.7	5100.6	5680.5	6025.2	6452.9	7269.5	8050.2	8729.4	9495.4	9766.0	10025.2
15°	4916.3	5653.5	6332.7	6878.9	7431.3	8240.5	9245.5	10065.0	10939.1	11329.5	11770.8
12.5°	5367.5	6065.1	6680.5	7385.0	8163.7	8879.5	9836.2	10856.7	11649.9	12147.7	12444.9
10°	5704.8	6352.7	6944.8	7651.1	8428.3	9237.9	10188.7	11234.8	12065.1	12489.9	12732.5
7.5°	5886.9	6506.9	7131.6	7847.2	8620.9	9483.2	10462.9	11500.7	12349.7	12761.3	13000.7
5°	6022.1	6617.6	7264.4	8017.7	8800.0	9674.4	10652.7	11678.1	12452.3	12889.7	13192.5
2.5°	6103.9	6687.7	7349.0	8128.0	8912.1	9822.8	10848.3	11911.3	12588.7	12940.6	13219.1
0°	6127.6	6715.6	7396.5	8185.7	8990.3	9908.4	10924.5	11976.7	12662.8	13003.2	13286.9
-2.5°	6154.3	6759.8	7459.3	8223.1	9020.9	9936.4	10973.6	11998.9	12616.0	12959.5	13229.4
-5°	6135.7	6763.2	7460.6	8192.2	8995.2	9903.4	10899.1	11857.8	12503.3	12874.7	13143.1
-7.5°	6080.2	6716.6	7406.8	8109.9	8897.6	9816.1	10807.7	11730.8	12384.7	12776.4	13070.0
-10°	5999.4	6617.2	7312.2	8024.2	8802.5	9676.9	10653.1	11570.8	12196.7	12612.5	12954.7
-12.5°	5909.8	6514.9	7184.7	7867.7	8637.5	9501.0	10446.9	11315.6	11937.7	12391.3	12635.8
-15°	5777.2	6381.8	7022.2	7682.9	8433.2	9270.9	10174.5	11007.9	11618.8	11987.9	12258.1
-17.5°	5608.4	6201.7	6808.8	7435.4	8142.3	8967.3	9876.4	10698.3	11196.4	11526.0	11791.6
-20°	5427.7	5976.3	6551.5	7142.7	7827.9	8645.1	9537.9	10254.9	10724.3	11041.0	11291.8



REPORT NUMBER: P627590 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5221.2	5749.5	6276.0	6841.2	7513.1	8262.3	9050.9	9743.7	10248.4	10536.9	10768.7
-25°	4985.5	5499.4	5999.4	6545.3	7162.7	7836.3	8569.5	9250.3	9702.3	10008.7	10238.6
-27.5°	4731.7	5214.5	5702.9	6193.1	6748.2	7419.3	8098.4	8730.8	9116.7	9425.5	9656.7
-30°	4478.3	4912.6	5364.5	5828.5	6349.5	6954.6	7589.8	8121.6	8528.5	8828.6	9043.3
-32.5°	4203.7	4615.9	5016.2	5449.9	5940.4	6473.7	7031.1	7537.0	7971.9	8246.7	8427.6
-35°	3922.5	4321.5	4687.9	5081.6	5514.2	5974.4	6489.0	6987.9	7417.3	7634.8	7811.1
-37.5°	3629.6	4027.4	4374.8	4703.7	5076.4	5502.5	6003.7	6479.8	6850.8	7037.7	7196.6
-40°	3374.9	3725.1	4037.8	4352.5	4655.5	5034.0	5501.7	5962.6	6260.2	6442.4	6590.0
-42.5°	3127.6	3423.1	3679.1	3961.2	4264.5	4637.6	5015.0	5401.4	5640.7	5842.9	5998.4
-45°	2839.6	3103.7	3343.8	3578.5	3855.1	4195.7	4538.5	4848.0	5072.1	5267.6	5419.0
-47.5°	2521.2	2776.1	3009.2	3219.0	3476.1	3760.2	4048.8	4306.4	4527.7	4720.8	4855.9
-50°	2224.3	2452.1	2679.7	2892.0	3114.8	3344.6	3578.7	3804.9	4014.9	4202.5	4317.5
-52.5°	1958.3	2168.5	2367.5	2553.1	2748.1	2942.2	3136.1	3343.2	3536.5	3714.1	3805.9
-55°	1717.7	1907.3	2086.8	2243.2	2399.6	2553.6	2719.8	2911.0	3089.0	3253.5	3319.3
-57.5°	1501.8	1663.9	1822.8	1955.1	2082.8	2205.3	2351.2	2512.6	2668.3	2809.3	2863.2
-60°	1303.1	1431.8	1564.7	1682.0	1793.3	1898.4	2025.6	2155.6	2281.9	2388.2	2434.1
-62.5°	1120.4	1230.4	1331.1	1426.5	1520.8	1615.4	1718.0	1821.1	1923.2	2005.1	2046.5
-65°	944.2	1031.8	1112.7	1191.1	1267.2	1346.7	1427.1	1505.4	1581.0	1639.5	1675.4
-67.5°	778.8	845.5	909.6	970.7	1034.4	1098.8	1161.7	1221.7	1278.4	1323.7	1358.0
-70°	632.2	683.8	734.0	784.6	837.8	887.8	935.2	980.1	1022.3	1054.9	1081.4
-72.5°	509.6	551.5	594.9	640.4	683.4	720.8	754.8	787.6	819.0	837.4	851.2
-75°	410.8	446.1	483.8	520.7	556.6	585.0	610.0	634.2	657.5	658.7	654.0
-77.5°	331.9	363.4	392.6	421.6	450.2	467.7	483.0	498.8	514.7	505.5	491.0
-80°	243.6	269.8	294.6	319.6	344.5	354.9	362.1	368.4	373.7	361.6	346.7
-82.5°	161.6	178.2	194.3	210.7	227.4	234.0	239.0	243.1	246.3	235.4	222.9
-85°	90.2	98.1	105.9	113.8	121.7	126.4	130.6	134.5	138.0	131.6	124.2
-87.5°	37.5	39.3	41.1	42.8	44.5	46.1	47.7	49.3	50.9	51.1	51.3
-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: P627590 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	29.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	1.5	0.3	0.0	0.0	0.0	0.3	1.5	2.6	3.4	3.8	3.7
62.5°	9.4	9.8	10.2	10.3	10.2	9.8	9.4	9.0	8.7	9.2	9.9
60°	18.2	16.0	15.4	15.5	15.4	16.0	18.2	19.8	20.5	30.0	35.2
57.5°	142.9	122.4	125.5	139.3	125.5	122.4	142.9	154.8	155.6	180.7	181.7
55°	668.2	745.9	773.4	758.2	773.4	745.9	668.2	585.9	507.5	483.2	483.4
52.5°	905.3	937.2	949.5	949.1	949.5	937.2	905.3	862.6	808.5	755.2	702.9
50°	1178.6	1167.8	1151.2	1134.7	1151.2	1167.8	1178.6	1166.3	1125.7	1046.7	920.3
47.5°	1967.0	1932.9	1918.5	1944.5	1918.5	1932.9	1967.0	1944.8	1793.4	1596.9	1452.0
45°	2613.9	2653.8	2683.6	2682.1	2683.6	2653.8	2613.9	2580.4	2416.1	2191.1	1960.1
42.5°	2982.2	3003.5	3009.7	3001.9	3009.7	3003.5	2982.2	2945.0	2755.1	2514.9	2250.3
40°	3310.5	3335.8	3350.1	3363.0	3350.1	3335.8	3310.5	3261.5	3106.0	2882.1	2633.3
37.5°	3794.4	3803.7	3783.4	3770.5	3783.4	3803.7	3794.4	3763.5	3670.1	3384.3	3182.1
35°	4980.9	5005.2	4948.9	5008.4	4948.9	5005.2	4980.9	4859.2	4714.8	4545.4	4085.0
32.5°	6118.8	6232.7	6324.8	6401.0	6324.8	6232.7	6118.8	6002.5	5904.8	5578.1	4975.9
30°	6763.4	6836.9	6876.3	6885.9	6876.3	6836.9	6763.4	6672.8	6543.1	6125.2	5568.5
27.5°	7236.7	7313.7	7361.6	7396.5	7361.6	7313.7	7236.7	7152.9	7001.4	6575.2	6028.7
25°	7692.8	7763.2	7811.1	7829.8	7811.1	7763.2	7692.8	7607.6	7421.9	7061.6	6523.4
22.5°	8166.1	8215.0	8261.0	8283.7	8261.0	8215.0	8166.1	8066.4	7865.1	7577.6	7007.3
20°	8844.6	8818.0	8860.0	8845.9	8860.0	8818.0	8844.6	8692.2	8480.1	8180.5	7629.8
17.5°	10227.3	10241.6	10269.7	10315.9	10269.7	10241.6	10227.3	10025.2	9766.0	9495.4	8729.4
15°	11966.3	12001.3	12179.2	12337.8	12179.2	12001.3	11966.3	11770.8	11329.5	10939.1	10065.0
12.5°	12720.6	12841.7	12860.5	12905.2	12860.5	12841.7	12720.6	12444.9	12147.7	11649.9	10856.7
10°	12972.3	13182.0	13177.5	13230.1	13177.5	13182.0	12972.3	12732.5	12489.9	12065.1	11234.8
7.5°	13163.2	13388.4	13483.7	13524.1	13483.7	13388.4	13163.2	13000.7	12761.3	12349.7	11500.7
5°	13396.5	13520.3	13684.6	13637.6	13684.6	13520.3	13396.5	13192.5	12889.7	12452.3	11678.1
2.5°	13494.3	13688.2	13643.4	13689.2	13643.4	13688.2	13494.3	13219.1	12940.6	12588.7	11911.3
0°	13560.2	13699.5	13720.1	13766.6	13720.1	13699.5	13560.2	13286.9	13003.2	12662.8	11976.7
-2.5°	13480.2	13602.8	13817.4	13751.1	13817.4	13602.8	13480.2	13229.4	12959.5	12616.0	11998.9
-5°	13410.1	13711.7	13594.6	13740.8	13594.6	13711.7	13410.1	13143.1	12874.7	12503.3	11857.8
-7.5°	13373.9	13427.8	13505.6	13617.0	13505.6	13427.8	13373.9	13070.0	12776.4	12384.7	11730.8
-10°	13093.9	13149.1	13292.0	13369.4	13292.0	13149.1	13093.9	12954.7	12612.5	12196.7	11570.8
-12.5°	12790.4	12897.2	13047.2	13096.0	13047.2	12897.2	12790.4	12635.8	12391.3	11937.7	11315.6
-15°	12440.6	12599.3	12745.5	12776.2	12745.5	12599.3	12440.6	12258.1	11987.9	11618.8	11007.9
-17.5°	11995.8	12186.1	12339.8	12373.9	12339.8	12186.1	11995.8	11791.6	11526.0	11196.4	10698.3
-20°	11505.8	11688.1	11818.8	11858.1	11818.8	11688.1	11505.8	11291.8	11041.0	10724.3	10254.9



REPORT NUMBER: P627590 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10981.1	11145.2	11255.7	11239.2	11255.7	11145.2	10981.1	10768.7	10536.9	10248.4	9743.7
-25°	10424.0	10576.3	10681.7	10666.6	10681.7	10576.3	10424.0	10238.6	10008.7	9702.3	9250.3
-27.5°	9835.1	9979.4	10080.6	10083.8	10080.6	9979.4	9835.1	9656.7	9425.5	9116.7	8730.8
-30°	9216.3	9347.3	9429.5	9397.8	9429.5	9347.3	9216.3	9043.3	8828.6	8528.5	8121.6
-32.5°	8578.1	8696.6	8771.9	8794.3	8771.9	8696.6	8578.1	8427.6	8246.7	7971.9	7537.0
-35°	7948.5	8053.0	8118.0	8134.1	8118.0	8053.0	7948.5	7811.1	7634.8	7417.3	6987.9
-37.5°	7323.0	7412.9	7458.4	7437.8	7458.4	7412.9	7323.0	7196.6	7037.7	6850.8	6479.8
-40°	6704.9	6790.5	6842.5	6854.9	6842.5	6790.5	6704.9	6590.0	6442.4	6260.2	5962.6
-42.5°	6097.1	6168.3	6214.0	6236.0	6214.0	6168.3	6097.1	5998.4	5842.9	5640.7	5401.4
-45°	5507.4	5571.0	5613.9	5637.6	5613.9	5571.0	5507.4	5419.0	5267.6	5072.1	4848.0
-47.5°	4933.5	4989.3	5026.3	5044.5	5026.3	4989.3	4933.5	4855.9	4720.8	4527.7	4306.4
-50°	4384.8	4433.1	4467.5	4487.4	4467.5	4433.1	4384.8	4317.5	4202.5	4014.9	3804.9
-52.5°	3864.4	3906.6	3936.0	3951.0	3936.0	3906.6	3864.4	3805.9	3714.1	3536.5	3343.2
-55°	3367.4	3401.7	3428.8	3445.5	3428.8	3401.7	3367.4	3319.3	3253.5	3089.0	2911.0
-57.5°	2904.1	2932.0	2957.8	2976.1	2957.8	2932.0	2904.1	2863.2	2809.3	2668.3	2512.6
-60°	2470.3	2496.7	2518.7	2532.6	2518.7	2496.7	2470.3	2434.1	2388.2	2281.9	2155.6
-62.5°	2078.9	2102.2	2122.3	2135.4	2122.3	2102.2	2078.9	2046.5	2005.1	1923.2	1821.1
-65°	1703.7	1724.6	1739.5	1748.5	1739.5	1724.6	1703.7	1675.4	1639.5	1581.0	1505.4
-67.5°	1387.3	1411.5	1416.3	1413.3	1416.3	1411.5	1387.3	1358.0	1323.7	1278.4	1221.7
-70°	1105.0	1125.4	1130.2	1129.6	1130.2	1125.4	1105.0	1081.4	1054.9	1022.3	980.1
-72.5°	864.0	875.1	865.7	851.1	865.7	875.1	864.0	851.2	837.4	819.0	787.6
-75°	648.3	641.2	631.2	619.0	631.2	641.2	648.3	654.0	658.7	657.5	634.2
-77.5°	474.9	457.3	445.8	433.3	445.8	457.3	474.9	491.0	505.5	514.7	498.8
-80°	330.6	313.4	301.5	288.8	301.5	313.4	330.6	346.7	361.6	373.7	368.4
-82.5°	209.4	195.3	188.1	180.5	188.1	195.3	209.4	222.9	235.4	246.3	243.1
-85°	116.3	107.9	103.1	98.0	103.1	107.9	116.3	124.2	131.6	138.0	134.5
-87.5°	51.4	51.5	49.0	46.4	49.0	51.5	51.4	51.3	51.1	50.9	49.3
-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: P627590 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	28.4	27.1	25.8	24.5	23.2	21.9	20.6	19.3	18.1	16.8	15.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.2	0.1	0.0	0.0	0.4	0.7	0.3	0.0	0.6
67.5°	0.0	0.0	0.9	2.1	2.7	2.7	2.4	2.6	3.1	2.8	2.6
65°	3.1	1.9	1.2	2.5	3.9	5.2	5.5	4.8	4.7	5.4	6.4
62.5°	10.4	10.8	9.4	7.8	6.8	7.5	8.2	8.8	7.7	6.1	8.1
60°	31.1	18.9	27.6	29.5	23.5	20.3	30.5	29.0	15.1	13.0	11.7
57.5°	149.6	125.3	137.5	124.9	85.5	74.6	77.3	73.8	66.8	40.9	17.4
55°	515.8	442.0	347.2	300.0	289.0	221.0	164.7	137.5	124.7	90.0	59.6
52.5°	655.2	609.1	537.4	438.6	385.8	366.0	312.9	250.4	198.9	159.0	114.2
50°	821.4	833.7	760.1	623.3	569.3	510.8	459.2	386.9	321.6	257.9	190.4
47.5°	1340.1	1248.3	1174.5	1072.4	878.5	754.8	673.5	555.0	465.6	388.6	305.2
45°	1786.8	1681.8	1609.6	1451.1	1245.1	1053.7	925.9	777.3	619.1	516.1	440.5
42.5°	2104.1	1968.1	1849.5	1720.3	1523.5	1307.5	1132.2	985.2	818.9	651.8	551.2
40°	2414.5	2199.0	2081.5	1965.8	1780.2	1537.9	1401.3	1185.4	1011.8	826.6	689.2
37.5°	2877.5	2511.1	2469.5	2358.1	2148.3	1896.3	1742.5	1529.6	1207.5	1032.9	875.0
35°	3660.1	3282.5	3064.5	2955.3	2683.2	2362.1	2109.1	1910.2	1590.7	1246.8	1064.8
32.5°	4522.3	4044.5	3713.7	3557.9	3265.9	2830.1	2518.0	2265.0	1944.4	1555.2	1263.2
30°	5009.2	4573.4	4175.0	3908.6	3624.9	3250.3	2892.1	2534.8	2186.7	1864.7	1478.3
27.5°	5462.3	4919.0	4489.5	4188.8	3923.1	3563.0	3166.7	2783.7	2401.1	2083.0	1738.3
25°	5894.0	5291.9	4823.8	4470.8	4161.8	3876.7	3428.7	3010.3	2611.2	2259.6	1990.0
22.5°	6296.2	5737.3	5197.9	4736.3	4474.6	4168.5	3726.8	3220.0	2830.1	2534.4	2217.1
20°	6958.5	6332.8	5649.9	5250.4	5007.0	4534.2	4034.4	3533.3	3175.2	2836.6	2463.4
17.5°	8050.2	7269.5	6452.9	6025.2	5680.5	5100.6	4463.7	3966.5	3519.5	3142.1	2731.4
15°	9245.5	8240.5	7431.3	6878.9	6332.7	5653.5	4916.3	4379.3	3871.3	3446.6	2977.7
12.5°	9836.2	8879.5	8163.7	7385.0	6680.5	6065.1	5367.5	4775.3	4198.8	3645.5	3130.0
10°	10188.7	9237.9	8428.3	7651.1	6944.8	6352.7	5704.8	5003.2	4362.7	3777.2	3257.1
7.5°	10462.9	9483.2	8620.9	7847.2	7131.6	6506.9	5886.9	5151.4	4493.8	3883.5	3359.1
5°	10652.7	9674.4	8800.0	8017.7	7264.4	6617.6	6022.1	5263.5	4591.5	3964.3	3436.5
2.5°	10848.3	9822.8	8912.1	8128.0	7349.0	6687.7	6103.9	5349.2	4670.9	4024.2	3501.1
0°	10924.5	9908.4	8990.3	8185.7	7396.5	6715.6	6127.6	5405.5	4724.7	4059.3	3543.5
-2.5°	10973.6	9936.4	9020.9	8223.1	7459.3	6759.8	6154.3	5468.8	4741.7	4097.0	3555.4
-5°	10899.1	9903.4	8995.2	8192.2	7460.6	6763.2	6135.7	5478.1	4737.4	4107.0	3546.2
-7.5°	10807.7	9816.1	8897.6	8109.9	7406.8	6716.6	6080.2	5437.1	4721.2	4090.6	3528.7
-10°	10653.1	9676.9	8802.5	8024.2	7312.2	6617.2	5999.4	5359.3	4668.4	4043.8	3487.8
-12.5°	10446.9	9501.0	8637.5	7867.7	7184.7	6514.9	5909.8	5251.7	4578.5	3965.8	3422.9
-15°	10174.5	9270.9	8433.2	7682.9	7022.2	6381.8	5777.2	5132.7	4490.8	3869.7	3334.0
-17.5°	9876.4	8967.3	8142.3	7435.4	6808.8	6201.7	5608.4	5007.8	4389.7	3779.6	3253.8
-20°	9537.9	8645.1	7827.9	7142.7	6551.5	5976.3	5427.7	4868.0	4249.4	3675.9	3169.8



REPORT NUMBER: P627590 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9050.9	8262.3	7513.1	6841.2	6276.0	5749.5	5221.2	4680.1	4067.4	3546.0	3055.2
-25°	8569.5	7836.3	7162.7	6545.3	5999.4	5499.4	4985.5	4449.1	3905.5	3393.3	2915.2
-27.5°	8098.4	7419.3	6748.2	6193.1	5702.9	5214.5	4731.7	4224.2	3723.7	3221.7	2783.7
-30°	7589.8	6954.6	6349.5	5828.5	5364.5	4912.6	4478.3	4004.5	3512.1	3035.7	2641.8
-32.5°	7031.1	6473.7	5940.4	5449.9	5016.2	4615.9	4203.7	3754.6	3268.0	2861.9	2477.5
-35°	6489.0	5974.4	5514.2	5081.6	4687.9	4321.5	3922.5	3472.8	3045.5	2664.4	2292.1
-37.5°	6003.7	5502.5	5076.4	4703.7	4374.8	4027.4	3629.6	3230.5	2828.8	2444.6	2119.7
-40°	5501.7	5034.0	4655.5	4352.5	4037.8	3725.1	3374.9	3003.8	2607.5	2232.1	1950.5
-42.5°	5015.0	4637.6	4264.5	3961.2	3679.1	3423.1	3127.6	2753.0	2388.7	2062.6	1792.0
-45°	4538.5	4195.7	3855.1	3578.5	3343.8	3103.7	2839.6	2499.1	2171.9	1892.0	1636.7
-47.5°	4048.8	3760.2	3476.1	3219.0	3009.2	2776.1	2521.2	2232.7	1964.5	1712.3	1486.2
-50°	3578.7	3344.6	3114.8	2892.0	2679.7	2452.1	2224.3	1991.5	1752.2	1532.3	1327.2
-52.5°	3136.1	2942.2	2748.1	2553.1	2367.5	2168.5	1958.3	1751.3	1540.8	1357.1	1173.9
-55°	2719.8	2553.6	2399.6	2243.2	2086.8	1907.3	1717.7	1531.2	1363.2	1194.5	1045.1
-57.5°	2351.2	2205.3	2082.8	1955.1	1822.8	1663.9	1501.8	1344.2	1204.8	1065.1	926.9
-60°	2025.6	1898.4	1793.3	1682.0	1564.7	1431.8	1303.1	1178.2	1057.8	943.8	824.8
-62.5°	1718.0	1615.4	1520.8	1426.5	1331.1	1230.4	1120.4	1019.6	926.3	830.3	722.6
-65°	1427.1	1346.7	1267.2	1191.1	1112.7	1031.8	944.2	864.5	788.3	710.4	617.3
-67.5°	1161.7	1098.8	1034.4	970.7	909.6	845.5	778.8	712.4	650.2	586.6	511.1
-70°	935.2	887.8	837.8	784.6	734.0	683.8	632.2	578.5	521.6	469.7	418.0
-72.5°	754.8	720.8	683.4	640.4	594.9	551.5	509.6	467.7	424.5	380.1	334.9
-75°	610.0	585.0	556.6	520.7	483.8	446.1	410.8	374.8	335.3	292.2	250.3
-77.5°	483.0	467.7	450.2	421.6	392.6	363.4	331.9	292.5	252.4	212.7	178.0
-80°	362.1	354.9	344.5	319.6	294.6	269.8	243.6	209.2	175.0	143.0	117.3
-82.5°	239.0	234.0	227.4	210.7	194.3	178.2	161.6	137.8	114.9	93.3	74.3
-85°	130.6	126.4	121.7	113.8	105.9	98.1	90.2	77.1	64.7	53.1	42.8
-87.5°	47.7	46.1	44.5	42.8	41.1	39.3	37.5	33.6	29.9	26.2	22.8
-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: P627590 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	14.2	12.9	11.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	2.7
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.8	1.6
82.5°	0.0	0.0	0.0	0.1	0.9	1.3	1.5	1.4	0.8	0.1	0.4
80°	0.0	0.0	0.0	0.2	1.3	2.8	3.4	3.6	2.7	1.9	1.0
77.5°	0.0	0.0	0.0	0.0	0.5	1.5	3.0	4.7	4.7	3.6	2.6
75°	0.0	0.0	0.0	0.2	0.3	0.1	1.1	2.7	4.2	5.1	4.1
72.5°	0.0	0.0	0.0	0.6	1.4	1.5	0.9	0.9	3.0	4.4	5.1
70°	0.8	0.3	0.0	0.9	2.1	3.2	2.9	2.4	2.0	3.8	4.9
67.5°	2.5	2.6	2.0	1.5	2.4	3.6	4.8	4.6	4.0	3.4	4.8
65°	6.0	5.6	5.1	4.5	3.9	3.8	5.1	6.4	6.0	5.2	4.7
62.5°	9.0	9.0	8.3	7.5	6.7	5.8	5.4	7.1	7.8	7.0	5.9
60°	11.6	12.1	11.5	10.5	9.5	8.4	7.7	8.1	9.0	8.7	7.4
57.5°	16.1	15.6	15.4	13.9	12.3	11.0	10.3	10.1	10.4	10.2	8.9
55°	28.3	19.7	19.8	18.3	15.8	13.6	13.0	12.5	12.0	11.8	10.4
52.5°	71.6	39.8	25.5	23.6	20.5	16.8	15.7	15.0	14.2	13.5	11.9
50°	132.3	85.6	48.5	30.4	25.9	22.1	18.4	17.4	16.4	15.3	13.4
47.5°	211.7	147.2	95.7	48.0	33.5	27.6	23.0	19.8	18.5	17.2	14.9
45°	326.2	216.9	150.4	95.0	44.6	38.2	28.4	22.2	20.7	19.0	16.3
42.5°	453.8	318.3	211.1	143.5	85.2	52.8	34.0	27.0	22.8	20.9	17.8
40°	579.0	440.0	283.5	197.9	128.6	70.8	48.9	32.2	25.0	23.0	19.6
37.5°	717.5	568.6	397.1	256.0	172.8	108.0	67.0	37.5	28.4	25.1	21.4
35°	888.8	711.3	510.8	341.1	228.8	142.6	87.2	47.7	34.9	27.4	23.3
32.5°	1059.9	853.8	633.7	440.0	287.4	174.4	113.4	68.1	42.5	29.8	25.2
30°	1232.1	984.3	749.5	531.5	354.8	225.6	141.6	87.9	51.2	32.2	27.1
27.5°	1387.1	1107.5	857.8	627.1	433.8	279.6	171.1	107.1	60.9	36.5	29.2
25°	1562.2	1240.6	964.4	718.6	506.0	335.9	201.4	125.9	75.0	44.0	31.2
22.5°	1787.5	1377.3	1063.2	801.5	577.6	389.7	240.4	150.7	90.5	51.8	33.2
20°	2011.5	1510.9	1160.0	905.4	655.4	450.3	285.4	175.4	105.2	60.0	35.3
17.5°	2231.4	1682.2	1300.9	1011.5	738.7	507.0	327.5	199.6	119.1	68.3	37.3
15°	2428.5	1878.3	1439.3	1111.8	820.3	559.4	366.4	223.2	132.1	76.6	39.9
12.5°	2594.0	2047.4	1569.7	1205.8	898.9	607.2	402.0	245.7	144.1	85.9	43.5
10°	2730.8	2190.4	1690.6	1292.5	973.1	650.3	434.1	268.4	158.2	95.7	47.2
7.5°	2840.0	2308.5	1800.5	1371.3	1040.5	690.6	468.5	292.1	171.8	105.1	51.0
5°	2922.2	2400.7	1885.5	1427.8	1094.0	727.6	500.3	314.0	184.5	113.8	54.8
2.5°	2975.6	2468.5	1948.5	1472.1	1137.7	758.7	528.2	333.7	196.0	121.8	58.5
0°	3007.1	2517.1	1996.1	1506.1	1170.9	784.0	551.9	350.7	206.3	128.9	61.9
-2.5°	3035.2	2548.9	2037.7	1565.4	1193.7	825.4	567.1	366.1	222.6	134.0	68.2
-5°	3044.5	2562.9	2065.0	1611.2	1207.5	858.9	577.8	378.7	236.9	138.2	74.0
-7.5°	3028.8	2554.5	2074.5	1637.2	1213.9	882.6	584.0	388.5	248.5	141.4	79.0
-10°	2993.9	2526.8	2061.9	1629.3	1222.6	890.0	587.6	395.8	256.9	143.8	83.2
-12.5°	2942.2	2485.1	2034.8	1612.0	1221.1	885.3	597.3	401.4	261.3	145.4	86.3
-15°	2874.5	2430.4	1993.4	1586.5	1206.5	874.6	599.7	403.4	260.9	148.5	88.2
-17.5°	2794.7	2364.1	1937.8	1553.9	1177.9	858.7	594.3	400.9	258.2	152.9	90.1
-20°	2714.8	2290.5	1872.0	1515.4	1134.7	837.8	580.5	393.5	253.5	155.8	91.9

Classified

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

Scaled Data Report



REPORT NUMBER: P627590 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2621.1	2206.1	1815.1	1461.7	1088.0	812.7	557.8	381.0	246.7	157.1	92.7
-25°	2513.5	2107.4	1746.6	1387.9	1051.3	784.3	534.5	363.2	238.0	156.6	92.4
-27.5°	2391.9	2002.0	1666.0	1307.1	1013.1	744.7	512.3	350.1	230.5	154.4	91.0
-30°	2256.3	1902.8	1569.6	1229.4	966.4	701.8	483.4	335.5	227.2	151.5	88.5
-32.5°	2110.0	1791.0	1466.0	1170.2	913.2	657.3	457.8	318.9	221.5	147.8	88.6
-35°	1972.9	1669.4	1360.3	1101.9	856.8	631.0	440.7	300.5	213.5	142.7	89.1
-37.5°	1826.0	1541.8	1276.6	1030.6	797.5	600.7	426.9	292.3	203.2	136.1	88.8
-40°	1684.6	1420.9	1179.7	962.6	753.6	566.7	405.1	283.2	193.2	128.1	87.6
-42.5°	1541.6	1307.2	1087.0	888.7	712.2	533.7	377.1	269.1	185.3	123.5	85.6
-45°	1409.9	1189.7	988.4	824.2	666.1	491.5	355.7	251.5	175.4	120.2	83.8
-47.5°	1271.5	1070.2	898.3	753.7	605.9	445.6	328.4	237.6	163.6	115.9	82.6
-50°	1128.6	956.9	814.0	676.1	532.2	407.3	299.2	221.1	159.3	112.4	80.5
-52.5°	1003.6	857.4	727.8	596.3	476.6	362.6	277.1	203.3	153.7	109.5	77.7
-55°	896.0	762.9	642.9	531.0	423.6	329.7	252.1	194.8	146.7	105.9	74.2
-57.5°	800.8	675.2	573.3	472.7	379.4	298.0	234.5	184.8	139.4	101.0	71.1
-60°	708.4	605.3	509.9	420.3	338.2	270.6	220.7	173.2	130.7	94.6	67.5
-62.5°	622.9	532.1	449.1	368.2	301.2	248.4	204.9	159.7	120.4	86.8	62.9
-65°	533.2	455.8	385.7	322.1	267.6	222.3	184.5	144.4	106.8	77.3	57.0
-67.5°	439.9	383.2	328.5	275.5	230.9	192.9	161.1	124.0	90.9	66.3	50.0
-70°	366.4	316.4	270.0	228.5	192.1	161.1	131.6	100.2	73.3	56.8	42.6
-72.5°	291.7	250.9	212.9	179.8	153.9	127.5	100.8	76.7	60.8	46.8	34.8
-75°	215.9	188.3	163.6	140.6	117.2	94.2	76.8	61.0	47.9	36.5	29.4
-77.5°	156.6	136.7	118.5	104.0	87.9	72.6	58.0	44.8	36.3	30.3	24.7
-80°	106.4	96.0	85.9	75.7	62.8	50.6	41.9	34.5	29.2	24.4	19.9
-82.5°	67.1	61.5	56.5	51.3	43.8	37.0	31.1	26.0	22.0	18.4	16.2
-85°	39.8	36.8	33.9	31.0	26.8	23.1	21.4	19.8	18.1	16.4	14.7
-87.5°	22.5	22.1	21.8	21.4	20.3	19.3	18.4	17.6	16.2	14.7	13.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.9

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Scaled Data Report



REPORT NUMBER: P627590 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA5B-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.3	9.0	7.8	6.5	5.2	5.2	5.2
87.5°	3.9	4.4	4.7	5.0	5.2	5.2	5.2
85°	2.5	3.5	4.3	4.9	5.2	5.2	5.2
82.5°	1.2	2.7	3.9	4.7	5.2	5.2	5.2
80°	0.3	1.9	3.5	4.6	5.2	5.2	5.2
77.5°	1.6	1.7	3.1	4.4	5.2	5.2	5.2
75°	2.9	2.6	2.8	4.3	5.2	5.2	5.2
72.5°	4.2	3.4	3.3	4.2	5.2	5.2	5.2
70°	5.2	4.1	3.7	4.2	5.2	5.2	5.2
67.5°	5.4	4.9	4.1	4.3	5.2	5.2	5.2
65°	5.6	5.4	4.5	4.5	5.2	5.2	5.2
62.5°	5.8	5.8	4.9	4.7	5.2	5.2	5.2
60°	6.2	6.2	5.2	4.8	5.2	5.2	5.2
57.5°	7.4	6.7	5.7	4.9	5.3	5.2	5.2
55°	8.7	7.2	6.2	5.0	5.3	5.2	5.2
52.5°	9.9	7.9	6.7	5.1	5.4	5.2	5.2
50°	11.2	9.0	7.3	5.2	5.5	5.2	5.2
47.5°	12.4	10.0	7.9	5.3	5.7	5.2	5.2
45°	13.6	11.0	8.5	5.8	5.8	5.2	5.2
42.5°	14.8	12.0	9.1	6.3	6.0	5.2	5.2
40°	16.0	12.9	9.9	6.9	6.2	5.2	5.2
37.5°	17.1	13.9	10.6	7.6	6.4	5.2	5.2
35°	18.2	14.8	11.3	8.2	6.6	5.2	5.2
32.5°	19.3	15.6	12.0	8.9	6.8	5.2	5.2
30°	20.9	16.5	12.7	9.5	7.1	5.2	5.2
27.5°	22.4	17.2	13.5	10.1	7.3	5.2	5.2
25°	23.9	18.0	14.3	10.7	7.6	5.2	5.2
22.5°	25.4	18.8	15.1	11.3	7.9	5.2	5.2
20°	26.9	19.7	15.8	11.9	8.1	5.2	5.2
17.5°	28.4	20.6	16.5	12.4	8.4	5.2	5.2
15°	29.8	21.5	17.2	12.9	8.7	5.2	5.2
12.5°	31.2	22.3	17.9	13.4	9.0	5.2	5.2
10°	32.4	23.1	18.5	13.9	9.3	5.2	5.2
7.5°	33.5	23.9	19.1	14.3	9.6	5.2	5.2
5°	34.5	24.5	19.6	14.8	9.8	5.2	5.2
2.5°	35.3	25.2	20.1	15.1	10.1	5.2	5.2
0°	36.1	25.8	20.6	15.5	10.3	5.2	5.2
-2.5°	38.1	26.3	21.0	15.5	10.3	5.2	5.2
-5°	39.9	26.8	21.4	15.4	10.3	5.2	5.2
-7.5°	41.5	27.3	21.7	15.4	10.2	5.2	5.2
-10°	42.9	27.7	22.0	15.3	10.1	5.2	5.2
-12.5°	43.9	28.0	22.2	15.1	10.1	5.2	5.2
-15°	44.5	28.3	22.2	15.0	10.0	5.2	5.2
-17.5°	44.7	28.5	22.2	14.8	9.8	5.2	5.2
-20°	45.9	28.7	22.1	14.6	9.7	5.2	5.2

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CATALOG NUMBER: GFLD-SA5B-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	48.8	28.8	21.8	14.3	9.5	5.2	5.2
-25°	51.2	30.7	21.4	14.0	9.3	5.2	5.2
-27.5°	53.1	33.1	20.9	13.7	9.1	5.2	5.2
-30°	54.4	35.2	20.4	13.4	8.9	5.2	5.2
-32.5°	55.1	36.9	21.2	13.0	8.7	5.2	5.2
-35°	56.6	38.2	21.7	12.7	8.5	5.2	5.2
-37.5°	58.1	39.1	22.1	12.3	8.2	5.2	5.2
-40°	59.0	39.4	22.2	11.8	7.9	5.2	5.2
-42.5°	59.3	39.4	22.4	11.6	7.6	5.2	5.2
-45°	59.1	39.1	22.5	11.6	7.3	5.2	5.2
-47.5°	58.2	38.5	22.3	11.6	7.0	5.2	5.2
-50°	56.9	37.6	21.9	11.4	6.7	5.2	5.2
-52.5°	55.4	36.4	21.2	11.2	6.3	5.2	5.2
-55°	53.4	34.9	20.3	10.9	5.9	5.2	5.2
-57.5°	51.0	33.0	19.2	10.5	5.6	5.2	5.2
-60°	48.2	30.8	17.8	10.1	5.2	5.2	5.2
-62.5°	44.3	28.2	16.9	9.5	5.2	5.2	5.2
-65°	39.9	25.2	15.8	8.9	5.2	5.2	5.2
-67.5°	35.1	22.7	14.5	8.2	5.2	5.2	5.2
-70°	29.9	20.6	13.2	7.5	5.2	5.2	5.2
-72.5°	26.4	18.4	11.8	7.3	5.2	5.2	5.2
-75°	23.0	16.0	10.3	7.3	5.2	5.2	5.2
-77.5°	19.4	13.6	9.8	7.2	5.2	5.2	5.2
-80°	15.7	12.2	9.4	7.1	5.2	5.2	5.2
-82.5°	14.2	11.5	9.0	6.9	5.2	5.2	5.2
-85°	12.9	10.7	8.6	6.8	5.2	5.2	5.2
-87.5°	11.6	9.9	8.2	6.6	5.2	5.2	5.2
-90°	5.2	5.2	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)