

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: P627400 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-735-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627400 (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-SA4C-735-U-VWR-VSR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

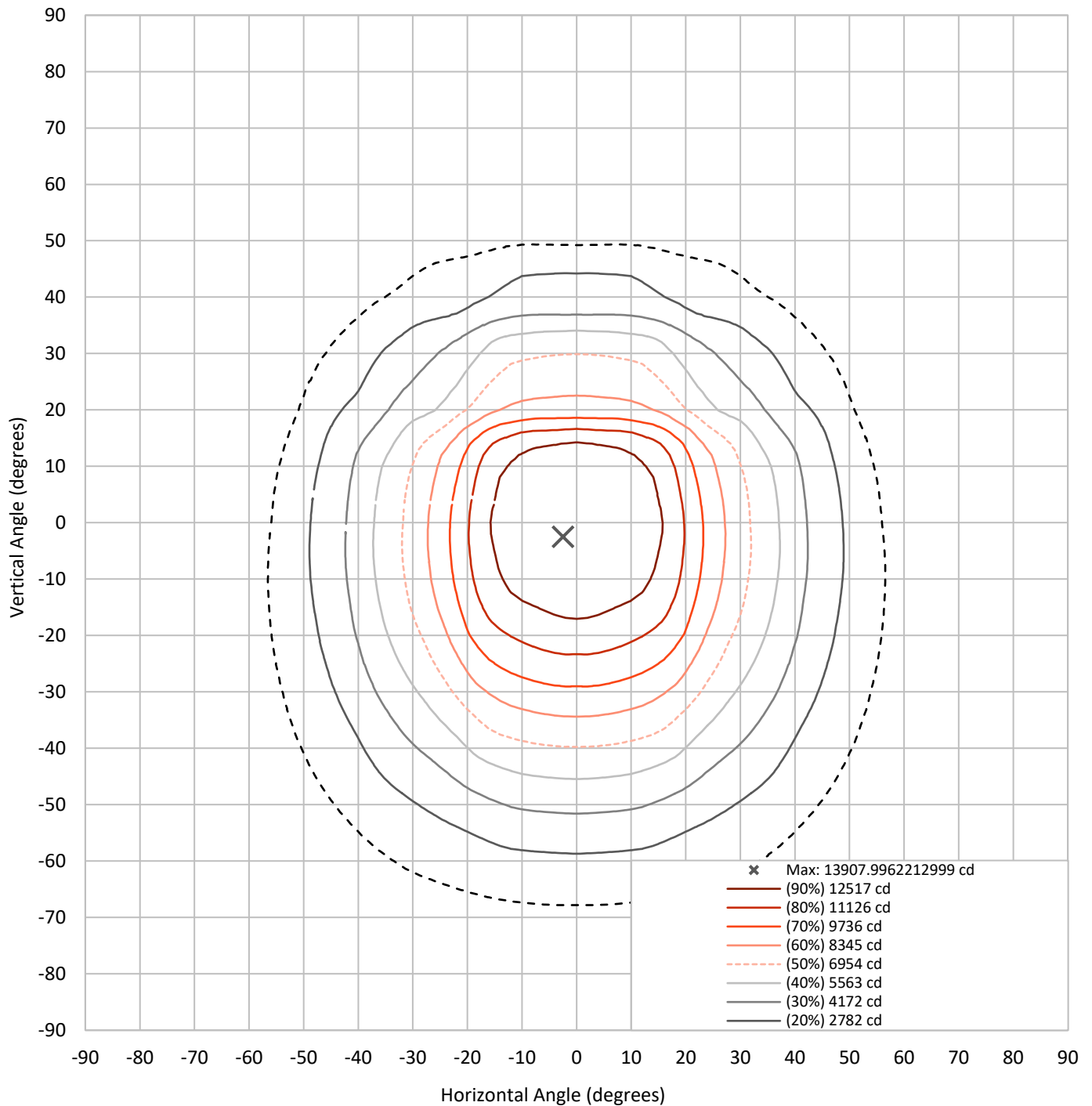
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	18560.6 lumens	Max Intensity:	13908 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	110.3 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	10738.6 lumens	Field Lumens:	17612.8 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	168.2		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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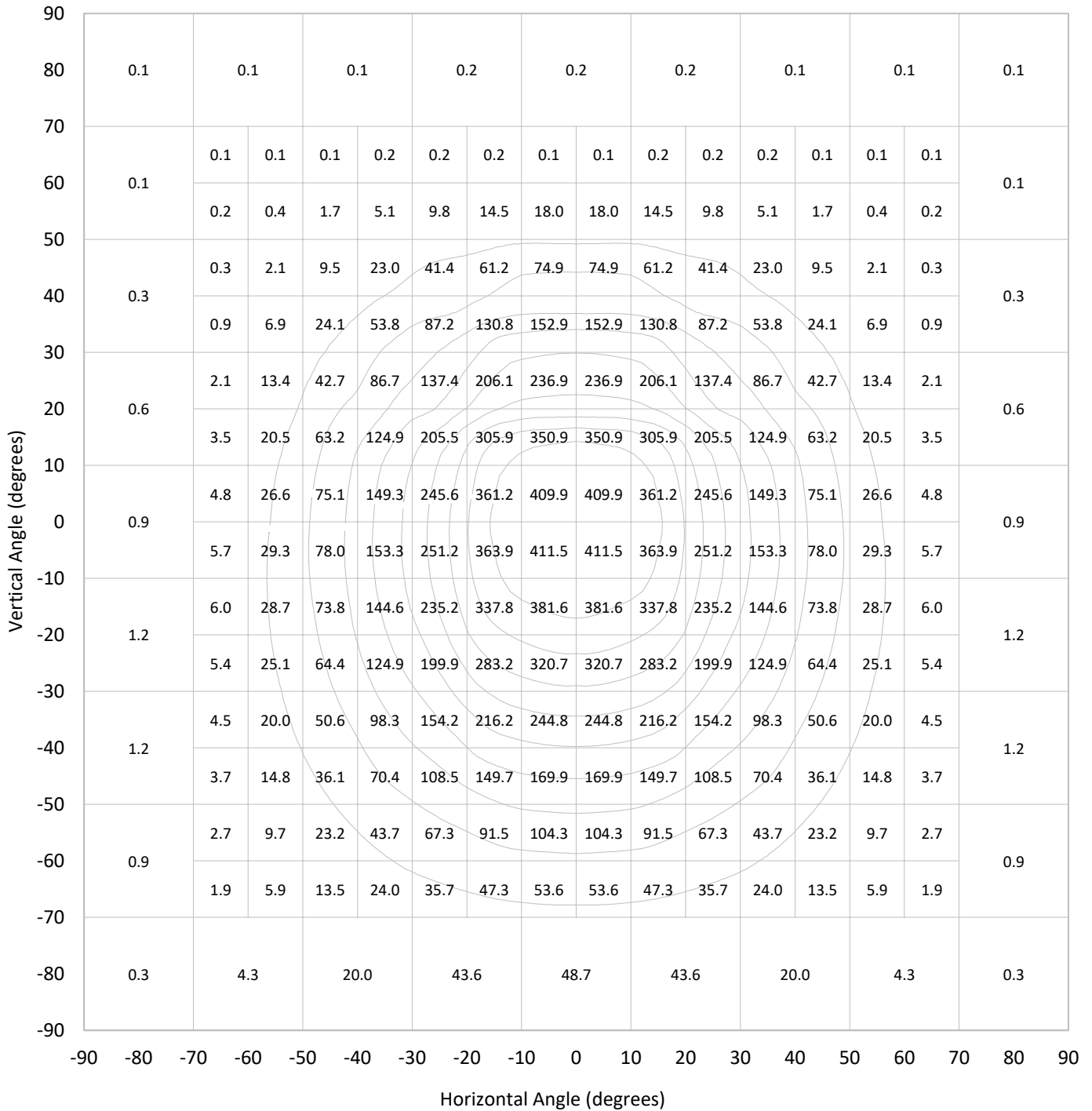
Iso-Candela Plot





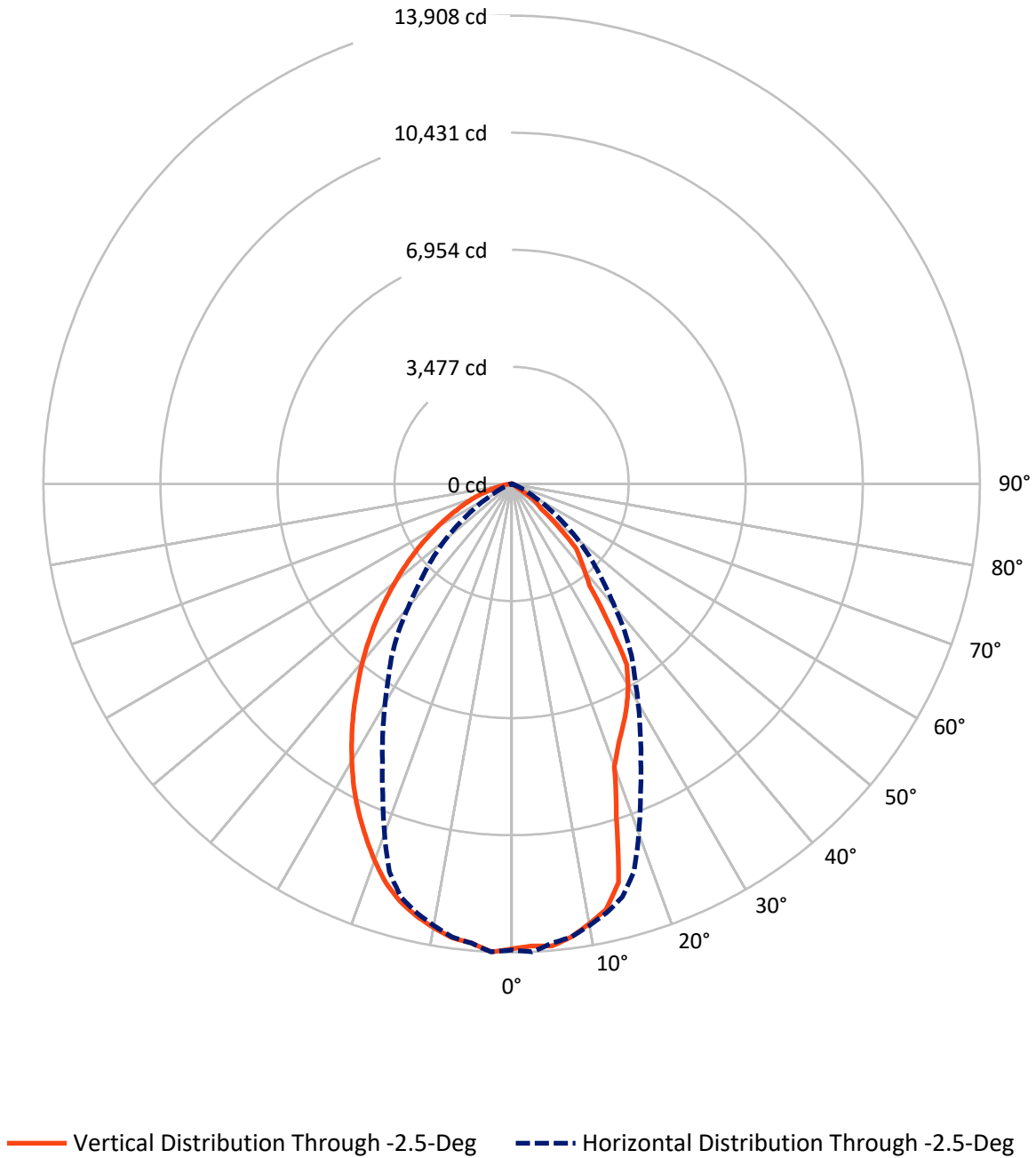
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Lumen Table



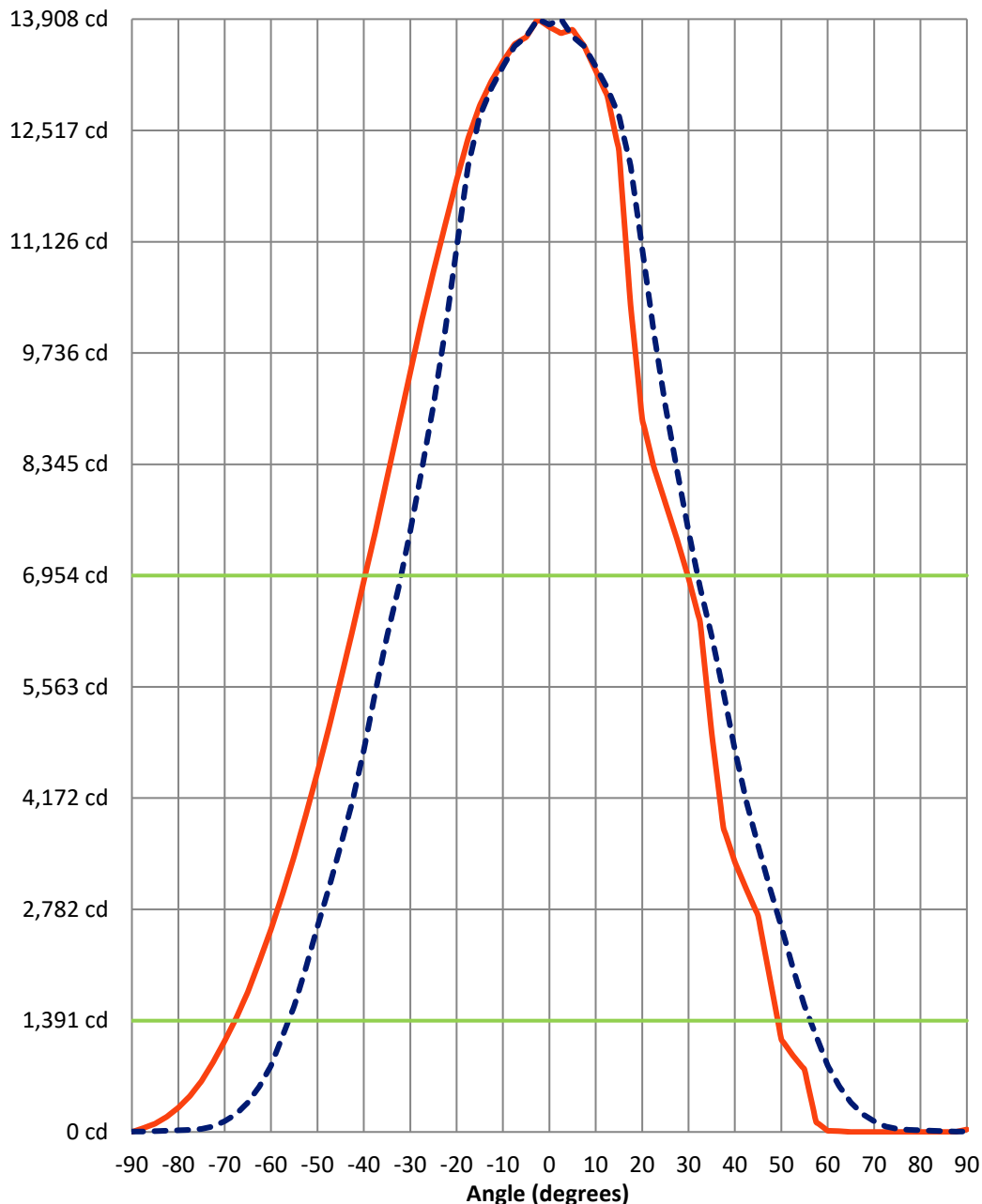
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 10738.6
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 17612.8
 Efficiency: 94.9%

Spill:
 Lumens: 947.8
 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	9.1	10.4	11.7	13.0	14.3	15.6
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	6.1	6.4
62.5°	5.2	5.2	5.2	4.7	4.9	5.8	5.8	5.9	7.0	7.9	7.2
60°	5.2	5.2	5.2	4.8	5.2	6.2	6.2	7.4	8.8	9.1	8.1
57.5°	5.2	5.2	5.3	4.9	5.7	6.7	7.4	9.0	10.3	10.4	10.2
55°	5.2	5.2	5.3	5.0	6.2	7.3	8.7	10.5	11.9	12.1	12.6
52.5°	5.2	5.2	5.4	5.1	6.8	8.0	10.0	12.0	13.6	14.3	15.1
50°	5.2	5.2	5.5	5.2	7.3	9.0	11.3	13.5	15.4	16.5	17.5
47.5°	5.2	5.2	5.7	5.3	7.9	10.1	12.5	15.0	17.4	18.7	20.0
45°	5.2	5.2	5.8	5.8	8.6	11.1	13.8	16.4	19.2	20.9	22.4
42.5°	5.2	5.2	6.0	6.3	9.2	12.1	14.9	18.0	21.1	23.0	27.1
40°	5.2	5.2	6.2	6.9	9.9	13.0	16.1	19.7	23.2	25.2	32.4
37.5°	5.2	5.2	6.4	7.6	10.7	14.0	17.2	21.6	25.3	28.6	37.7
35°	5.2	5.2	6.6	8.3	11.4	14.9	18.3	23.5	27.6	35.1	48.0
32.5°	5.2	5.2	6.8	8.9	12.1	15.7	19.5	25.4	30.0	42.8	68.5
30°	5.2	5.2	7.1	9.6	12.8	16.6	21.1	27.4	32.4	51.5	88.4
27.5°	5.2	5.2	7.4	10.2	13.6	17.4	22.6	29.4	36.7	61.3	107.7
25°	5.2	5.2	7.6	10.8	14.4	18.1	24.2	31.4	44.2	75.5	126.6
22.5°	5.2	5.2	7.9	11.4	15.2	18.9	25.7	33.5	52.2	91.1	151.6
20°	5.2	5.2	8.2	12.0	15.9	19.9	27.2	35.5	60.4	105.9	176.5
17.5°	5.2	5.2	8.5	12.5	16.7	20.8	28.7	37.5	68.8	119.9	200.9
15°	5.2	5.2	8.8	13.0	17.4	21.7	30.1	40.1	77.2	133.0	224.6
12.5°	5.2	5.2	9.1	13.5	18.0	22.5	31.4	43.7	86.5	145.1	247.3
10°	5.2	5.2	9.4	14.0	18.7	23.3	32.6	47.5	96.4	159.2	270.1
7.5°	5.2	5.2	9.6	14.4	19.2	24.1	33.7	51.3	105.8	172.9	294.0
5°	5.2	5.2	9.9	14.9	19.8	24.7	34.7	55.2	114.6	185.7	316.1
2.5°	5.2	5.2	10.2	15.2	20.3	25.4	35.6	58.9	122.7	197.3	335.8
0°	5.2	5.2	10.4	15.6	20.8	26.0	36.3	62.3	129.8	207.7	353.0
-2.5°	5.2	5.2	10.4	15.6	20.8	26.0	36.3	62.3	129.8	207.7	353.0
-5°	5.2	5.2	10.4	15.5	21.6	27.1	40.2	74.4	139.1	238.4	381.1
-7.5°	5.2	5.2	10.3	15.5	21.9	27.5	41.8	79.5	142.3	250.1	391.0
-10°	5.2	5.2	10.2	15.4	22.2	27.9	43.1	83.7	144.7	258.6	398.3
-12.5°	5.2	5.2	10.2	15.2	22.4	28.2	44.2	86.8	146.3	263.0	404.0
-15°	5.2	5.2	10.0	15.1	22.4	28.5	44.8	88.7	149.4	262.6	406.0
-17.5°	5.2	5.2	9.9	14.9	22.4	28.7	45.0	90.6	153.9	259.9	403.5
-20°	5.2	5.2	9.8	14.7	22.2	28.9	46.2	92.5	156.8	255.2	396.1

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.2	5.2	9.6	14.4	22.0	29.0	49.2	93.3	158.0	248.3	383.5
-25°	5.2	5.2	9.4	14.1	21.6	30.9	51.6	93.0	157.6	239.5	365.5
-27.5°	5.2	5.2	9.2	13.8	21.1	33.4	53.5	91.6	155.4	232.0	352.4
-30°	5.2	5.2	9.0	13.5	20.6	35.4	54.8	89.1	152.5	228.7	337.7
-32.5°	5.2	5.2	8.8	13.1	21.3	37.2	55.5	89.2	148.8	223.0	321.0
-35°	5.2	5.2	8.5	12.8	21.9	38.5	57.0	89.7	143.6	214.9	302.5
-37.5°	5.2	5.2	8.2	12.4	22.2	39.3	58.5	89.4	137.0	204.5	294.3
-40°	5.2	5.2	8.0	11.9	22.4	39.7	59.4	88.2	128.9	194.5	285.0
-42.5°	5.2	5.2	7.7	11.7	22.5	39.7	59.7	86.1	124.3	186.5	270.9
-45°	5.2	5.2	7.3	11.8	22.6	39.4	59.5	84.3	120.9	176.6	253.2
-47.5°	5.2	5.2	7.0	11.7	22.5	38.8	58.6	83.1	116.6	164.6	239.2
-50°	5.2	5.2	6.7	11.5	22.1	37.9	57.3	81.0	113.1	160.4	222.5
-52.5°	5.2	5.2	6.3	11.3	21.4	36.7	55.7	78.2	110.2	154.7	204.6
-55°	5.2	5.2	6.0	11.0	20.5	35.2	53.7	74.7	106.6	147.7	196.1
-57.5°	5.2	5.2	5.6	10.6	19.3	33.3	51.3	71.5	101.6	140.3	186.0
-60°	5.2	5.2	5.2	10.1	18.0	31.0	48.5	68.0	95.3	131.6	174.3
-62.5°	5.2	5.2	5.2	9.6	17.0	28.4	44.6	63.4	87.3	121.2	160.8
-65°	5.2	5.2	5.2	9.0	15.9	25.5	40.2	57.4	77.8	107.6	145.4
-67.5°	5.2	5.2	5.2	8.3	14.7	22.9	35.4	50.4	66.8	91.6	124.9
-70°	5.2	5.2	5.2	7.5	13.3	20.8	30.2	43.0	57.2	73.8	101.0
-72.5°	5.2	5.2	5.2	7.3	11.9	18.5	26.6	35.1	47.2	61.2	77.3
-75°	5.2	5.2	5.2	7.3	10.4	16.1	23.2	29.6	36.7	48.2	61.4
-77.5°	5.2	5.2	5.2	7.2	9.8	13.6	19.6	24.9	30.5	36.5	45.0
-80°	5.2	5.2	5.2	7.1	9.5	12.3	15.8	20.1	24.6	29.4	34.7
-82.5°	5.2	5.2	5.2	7.0	9.1	11.5	14.3	16.3	18.5	22.2	26.2
-85°	5.2	5.2	5.2	6.8	8.7	10.8	13.0	14.8	16.5	18.2	19.9
-87.5°	5.2	5.2	5.2	6.7	8.2	9.9	11.7	13.3	14.8	16.3	17.8
-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: P627400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-735-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°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	16.9	18.2	19.5
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	0.1	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	6.1	6.4	5.4	4.7	4.8
62.5°	5.4	5.9	6.8	7.6	8.4	9.0	9.1	8.1	6.2	7.7	8.8
60°	7.7	8.5	9.6	10.6	11.6	12.2	11.7	11.8	13.1	15.2	29.2
57.5°	10.4	11.1	12.4	14.1	15.5	15.7	16.2	17.6	41.2	67.2	74.3
55°	13.1	13.7	15.9	18.5	20.0	19.9	28.5	60.1	90.6	125.5	138.4
52.5°	15.8	16.9	20.7	23.8	25.7	40.1	72.2	115.0	160.1	200.2	252.0
50°	18.5	22.3	26.1	30.6	48.8	86.3	133.2	191.6	259.6	323.7	389.4
47.5°	23.1	27.8	33.7	48.3	96.3	148.3	213.1	307.2	391.1	468.6	558.6
45°	28.6	38.4	44.9	95.7	151.4	218.4	328.3	443.3	519.4	623.2	782.4
42.5°	34.2	53.1	85.8	144.5	212.5	320.4	456.8	554.8	656.1	824.3	991.6
40°	49.2	71.2	129.4	199.3	285.4	442.9	582.8	693.7	832.1	1018.5	1193.2
37.5°	67.4	108.7	173.9	257.7	399.7	572.4	722.2	880.7	1039.7	1215.4	1539.6
35°	87.7	143.5	230.3	343.3	514.2	716.0	894.6	1071.7	1254.9	1601.1	1922.7
32.5°	114.1	175.6	289.2	442.9	637.9	859.4	1066.8	1271.5	1565.4	1957.1	2279.8
30°	142.5	227.0	357.1	535.0	754.4	990.8	1240.1	1488.0	1876.9	2201.1	2551.4
27.5°	172.2	281.4	436.6	631.3	863.4	1114.7	1396.2	1749.7	2096.6	2416.9	2801.9
25°	202.7	338.0	509.4	723.3	970.7	1248.7	1572.4	2003.1	2274.5	2628.4	3030.0
22.5°	241.9	392.2	581.4	806.7	1070.2	1386.4	1799.2	2231.7	2551.0	2848.7	3241.0
20°	287.2	453.2	659.8	911.3	1167.6	1520.9	2024.7	2479.5	2855.2	3196.0	3556.4
17.5°	329.6	510.3	743.6	1018.1	1309.4	1693.2	2246.0	2749.3	3162.7	3542.6	3992.5
15°	368.7	563.0	825.7	1119.1	1448.7	1890.6	2444.4	2997.2	3469.2	3896.7	4407.9
12.5°	404.6	611.2	904.8	1213.7	1580.0	2060.8	2611.0	3150.5	3669.4	4226.4	4806.6
10°	436.8	654.6	979.5	1301.0	1701.6	2204.8	2748.6	3278.4	3802.0	4391.3	5036.0
7.5°	471.5	695.1	1047.3	1380.3	1812.3	2323.7	2858.6	3381.1	3909.0	4523.2	5185.1
5°	503.5	732.4	1101.2	1437.2	1897.9	2416.4	2941.4	3459.0	3990.4	4621.5	5298.0
2.5°	531.6	763.7	1145.1	1481.7	1961.3	2484.7	2995.1	3524.0	4050.7	4701.4	5384.2
0°	555.5	789.1	1178.5	1516.0	2009.2	2533.6	3026.8	3566.7	4085.9	4755.6	5440.9
-2.5°	570.8	830.8	1201.5	1575.7	2051.1	2565.6	3055.1	3578.7	4123.9	4772.7	5504.6
-5°	581.5	864.5	1215.4	1621.7	2078.5	2579.7	3064.5	3569.5	4133.9	4768.4	5514.0
-7.5°	587.7	888.4	1221.9	1647.9	2088.1	2571.2	3048.7	3551.9	4117.4	4752.1	5472.7
-10°	591.4	895.9	1230.7	1640.0	2075.4	2543.4	3013.5	3510.6	4070.3	4699.0	5394.4
-12.5°	601.1	891.1	1229.2	1622.6	2048.2	2501.4	2961.5	3445.3	3991.8	4608.5	5286.1
-15°	603.6	880.4	1214.4	1596.9	2006.4	2446.4	2893.3	3355.7	3895.1	4520.2	5166.4
-17.5°	598.1	864.3	1185.6	1564.1	1950.5	2379.7	2813.0	3275.1	3804.3	4418.4	5040.6
-20°	584.2	843.3	1142.2	1525.3	1884.2	2305.6	2732.6	3190.5	3699.9	4277.2	4899.9

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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°	561.4	818.0	1095.2	1471.3	1826.9	2220.5	2638.3	3075.3	3569.2	4094.1	4710.7
-25°	537.9	789.4	1058.2	1397.0	1758.0	2121.2	2530.1	2934.4	3415.6	3931.1	4478.2
-27.5°	515.6	749.5	1019.7	1315.7	1676.9	2015.1	2407.6	2802.0	3242.8	3748.1	4251.8
-30°	486.5	706.4	972.7	1237.5	1579.9	1915.2	2271.1	2659.2	3055.6	3535.1	4030.7
-32.5°	460.8	661.6	919.1	1177.9	1475.7	1802.7	2123.9	2493.8	2880.6	3289.4	3779.2
-35°	443.6	635.1	862.4	1109.0	1369.3	1680.3	1985.8	2307.1	2681.8	3065.4	3495.5
-37.5°	429.6	604.6	802.7	1037.3	1285.0	1551.9	1837.9	2133.6	2460.6	2847.3	3251.6
-40°	407.7	570.3	758.5	968.9	1187.4	1430.2	1695.7	1963.3	2246.8	2624.6	3023.5
-42.5°	379.6	537.1	716.8	894.5	1094.2	1315.7	1551.7	1803.8	2076.2	2404.4	2771.1
-45°	358.0	494.7	670.5	829.6	994.9	1197.6	1419.1	1647.5	1904.4	2186.1	2515.5
-47.5°	330.6	448.5	609.9	758.6	904.2	1077.2	1279.8	1496.0	1723.5	1977.4	2247.3
-50°	301.2	410.0	535.7	680.5	819.4	963.2	1136.0	1335.9	1542.4	1763.7	2004.5
-52.5°	278.9	365.0	479.7	600.3	732.6	863.1	1010.2	1181.6	1366.0	1550.9	1762.8
-55°	253.7	331.8	426.4	534.5	647.1	767.9	901.9	1052.0	1202.3	1372.2	1541.2
-57.5°	236.0	299.9	381.9	475.8	577.0	679.7	806.1	932.9	1072.1	1212.7	1353.0
-60°	222.1	272.4	340.4	423.0	513.3	609.2	713.0	830.2	950.0	1064.7	1186.0
-62.5°	206.3	250.0	303.1	370.6	452.1	535.6	626.9	727.4	835.7	932.4	1026.3
-65°	185.8	223.7	269.3	324.2	388.3	458.8	536.7	621.3	715.0	793.4	870.2
-67.5°	162.2	194.2	232.4	277.2	330.6	385.7	442.8	514.4	590.5	654.4	717.0
-70°	132.6	162.2	193.4	229.9	271.8	318.4	368.8	420.7	472.8	525.0	582.2
-72.5°	101.5	128.4	154.9	181.0	214.3	252.5	293.5	337.1	382.6	427.3	470.7
-75°	77.3	94.8	118.0	141.5	164.6	189.5	217.3	251.9	294.2	337.5	377.2
-77.5°	58.4	73.1	88.5	104.6	119.3	137.6	157.7	179.2	214.1	254.1	294.5
-80°	42.1	50.9	63.2	76.2	86.5	96.6	107.1	118.1	144.0	176.2	210.6
-82.5°	31.3	37.3	44.1	51.7	56.8	61.9	67.5	74.7	93.9	115.7	138.7
-85°	21.6	23.3	27.0	31.2	34.1	37.1	40.1	43.1	53.5	65.1	77.6
-87.5°	18.6	19.5	20.5	21.6	21.9	22.3	22.6	23.0	26.4	30.1	33.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	20.8	22.1	23.4	24.7	26.0	27.3	28.6	29.9	31.2	31.2	31.2
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	2.0	3.2	3.7	3.8	3.4	2.6
62.5°	8.2	7.6	6.9	7.9	9.5	10.9	10.5	9.9	9.2	8.8	9.1
60°	30.7	20.5	23.7	29.7	27.8	19.0	31.3	35.4	30.2	20.7	20.0
57.5°	77.8	75.1	86.0	125.7	138.3	126.0	150.6	182.9	181.9	156.6	155.8
55°	165.8	222.4	290.8	301.9	349.5	444.9	519.1	486.6	486.4	510.8	589.7
52.5°	314.9	368.4	388.3	441.4	540.9	613.1	659.4	707.5	760.1	813.8	868.2
50°	462.2	514.1	573.0	627.4	765.1	839.2	826.9	926.3	1053.6	1133.1	1173.9
47.5°	677.9	759.7	884.3	1079.4	1182.2	1256.5	1348.9	1461.6	1607.4	1805.2	1957.6
45°	932.0	1060.6	1253.3	1460.6	1620.1	1692.8	1798.5	1973.0	2205.5	2431.9	2597.3
42.5°	1139.6	1316.1	1533.5	1731.6	1861.7	1981.0	2117.9	2265.0	2531.3	2773.2	2964.3
40°	1410.5	1548.0	1791.9	1978.7	2095.1	2213.4	2430.3	2650.6	2901.0	3126.3	3282.9
37.5°	1754.0	1908.7	2162.4	2373.5	2485.7	2527.5	2896.4	3203.0	3406.5	3694.1	3788.2
35°	2122.9	2377.5	2700.8	2974.6	3084.6	3304.0	3684.0	4111.8	4575.3	4745.7	4891.0
32.5°	2534.5	2848.7	3287.3	3581.2	3738.1	4071.0	4552.0	5008.6	5614.6	5943.5	6041.8
30°	2911.0	3271.6	3648.6	3934.2	4202.4	4603.4	5042.0	5605.0	6165.4	6585.9	6716.5
27.5°	3187.4	3586.3	3948.7	4216.2	4518.8	4951.2	5498.1	6068.2	6618.3	7047.3	7199.8
25°	3451.1	3902.0	4189.0	4500.0	4855.4	5326.6	5932.7	6566.1	7107.9	7470.5	7657.5
22.5°	3751.2	4195.8	4503.8	4767.3	5231.9	5774.9	6337.5	7053.2	7627.2	7916.6	8119.2
20°	4060.9	4563.9	5039.7	5284.8	5686.8	6374.3	7004.0	7679.8	8234.1	8535.6	8749.1
17.5°	4493.0	5134.0	5717.6	6064.6	6495.1	7317.2	8103.0	8786.5	9557.6	9830.0	10090.9
15°	4948.5	5690.5	6374.2	6924.0	7480.0	8294.5	9306.1	10130.9	11010.8	11403.7	11847.9
12.5°	5402.7	6104.8	6724.2	7433.4	8217.2	8937.6	9900.7	10927.8	11726.2	12227.4	12526.4
10°	5742.2	6394.3	6990.3	7701.2	8483.5	9298.5	10255.5	11308.4	12144.2	12571.8	12815.9
7.5°	5925.5	6549.6	7178.3	7898.7	8677.4	9545.4	10531.4	11576.1	12430.6	12845.0	13086.0
5°	6061.6	6661.0	7312.0	8070.3	8857.7	9737.8	10722.5	11754.7	12533.9	12974.2	13279.0
2.5°	6143.9	6731.6	7397.2	8181.2	8970.6	9887.2	10919.4	11989.4	12671.2	13025.4	13305.7
0°	6167.8	6759.6	7445.0	8239.3	9049.2	9973.3	10996.1	12055.2	12745.7	13088.4	13373.9
-2.5°	6194.7	6804.0	7508.2	8277.0	9080.0	10001.5	11045.5	12077.5	12698.7	13044.4	13316.1
-5°	6175.9	6807.5	7509.5	8245.8	9054.1	9968.3	10970.5	11935.5	12585.2	12959.1	13229.2
-7.5°	6120.0	6760.6	7455.3	8163.0	8955.9	9880.4	10878.5	11807.7	12465.9	12860.1	13155.6
-10°	6038.7	6660.5	7360.1	8076.8	8860.2	9740.3	10722.9	11646.6	12276.6	12695.1	13039.6
-12.5°	5948.6	6557.6	7231.8	7919.3	8694.1	9563.3	10515.4	11389.7	12016.0	12472.5	12718.6
-15°	5815.0	6423.7	7068.2	7733.2	8488.4	9331.6	10241.1	11080.0	11694.9	12066.4	12338.5
-17.5°	5645.2	6242.3	6853.4	7484.1	8195.6	9026.0	9941.1	10768.4	11269.7	11601.5	11868.8
-20°	5463.2	6015.4	6594.4	7189.5	7879.1	8701.8	9600.4	10322.0	10794.5	11113.4	11365.8



REPORT NUMBER: P627400 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5255.4	5787.2	6317.2	6886.1	7562.3	8316.5	9110.2	9807.5	10315.5	10605.9	10839.2
-25°	5018.1	5535.5	6038.8	6588.2	7209.7	7887.6	8625.7	9310.9	9765.9	10074.4	10305.7
-27.5°	4762.6	5248.6	5740.3	6233.7	6792.4	7467.9	8151.4	8788.0	9176.4	9487.2	9720.0
-30°	4507.6	4944.8	5399.6	5866.8	6391.2	7000.2	7639.5	8174.9	8584.4	8886.5	9102.5
-32.5°	4231.2	4646.1	5049.0	5485.7	5979.4	6516.1	7077.2	7586.4	8024.1	8300.8	8482.8
-35°	3948.2	4349.8	4718.6	5114.9	5550.4	6013.6	6531.5	7033.7	7465.9	7684.8	7862.3
-37.5°	3653.3	4053.8	4403.4	4734.5	5109.7	5538.6	6043.1	6522.2	6895.6	7083.8	7243.7
-40°	3397.0	3749.5	4064.2	4381.0	4686.1	5067.0	5537.7	6001.7	6301.3	6484.6	6633.2
-42.5°	3148.1	3445.5	3703.2	3987.2	4292.5	4668.0	5047.8	5436.8	5677.6	5881.1	6037.6
-45°	2858.2	3124.1	3365.7	3601.9	3880.3	4223.2	4568.2	4879.8	5105.3	5302.0	5454.4
-47.5°	2537.6	2794.3	3028.9	3240.1	3498.9	3784.8	4075.3	4334.6	4557.3	4751.7	4887.7
-50°	2238.8	2468.1	2697.3	2911.0	3135.2	3366.5	3602.2	3829.8	4041.2	4230.1	4345.8
-52.5°	1971.2	2182.7	2383.0	2569.8	2766.1	2961.5	3156.7	3365.1	3559.7	3738.4	3830.8
-55°	1729.0	1919.8	2100.5	2257.9	2415.3	2570.3	2737.6	2930.0	3109.2	3274.8	3341.1
-57.5°	1511.6	1674.8	1834.8	1967.9	2096.4	2219.8	2366.6	2529.0	2685.8	2827.7	2882.0
-60°	1311.7	1441.2	1575.0	1693.1	1805.1	1910.8	2038.9	2169.7	2296.8	2403.8	2450.0
-62.5°	1127.7	1238.6	1339.9	1435.9	1530.7	1626.0	1729.3	1833.1	1935.7	2018.1	2059.9
-65°	950.4	1038.6	1120.1	1198.9	1275.5	1355.5	1436.4	1515.3	1591.3	1650.2	1686.4
-67.5°	783.9	851.0	915.6	977.1	1041.2	1106.0	1169.3	1229.7	1286.8	1332.3	1366.9
-70°	636.3	688.2	738.8	789.7	843.2	893.6	941.3	986.5	1029.0	1061.8	1088.4
-72.5°	512.9	555.0	598.7	644.6	687.8	725.5	759.8	792.8	824.4	842.9	856.8
-75°	413.5	449.0	487.0	524.1	560.2	588.8	614.0	638.4	661.8	663.0	658.3
-77.5°	334.1	365.8	395.2	424.3	453.2	470.8	486.2	502.1	518.1	508.8	494.1
-80°	245.2	271.6	296.6	321.7	346.7	357.2	364.5	370.8	376.1	364.0	349.0
-82.5°	162.7	179.4	195.6	212.1	228.9	235.5	240.5	244.6	247.9	237.0	224.3
-85°	90.8	98.8	106.6	114.6	122.5	127.2	131.5	135.4	139.0	132.4	125.0
-87.5°	37.7	39.5	41.3	43.0	44.7	46.4	48.0	49.6	51.2	51.4	51.6
-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: P627400 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	29.9
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°	0.0	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°	9.5	9.9	10.3	10.4	10.3	9.9	9.5	9.1	8.8	9.2	9.9
60°	18.4	16.1	15.5	15.6	15.5	16.1	18.4	20.0	20.7	30.2	35.4
57.5°	143.9	123.2	126.3	140.2	126.3	123.2	143.9	155.8	156.6	181.9	182.9
55°	672.6	750.8	778.4	763.2	778.4	750.8	672.6	589.7	510.8	486.4	486.6
52.5°	911.3	943.4	955.7	955.3	955.7	943.4	911.3	868.2	813.8	760.1	707.5
50°	1186.3	1175.5	1158.8	1142.2	1158.8	1175.5	1186.3	1173.9	1133.1	1053.6	926.3
47.5°	1979.9	1945.6	1931.1	1957.3	1931.1	1945.6	1979.9	1957.6	1805.2	1607.4	1461.6
45°	2631.0	2671.2	2701.2	2699.7	2701.2	2671.2	2631.0	2597.3	2431.9	2205.5	1973.0
42.5°	3001.8	3023.2	3029.4	3021.6	3029.4	3023.2	3001.8	2964.3	2773.2	2531.3	2265.0
40°	3332.1	3357.7	3372.0	3385.0	3372.0	3357.7	3332.1	3282.9	3126.3	2901.0	2650.6
37.5°	3819.2	3828.6	3808.2	3795.2	3808.2	3828.6	3819.2	3788.2	3694.1	3406.5	3203.0
35°	5013.5	5038.0	4981.3	5041.2	4981.3	5038.0	5013.5	4891.0	4745.7	4575.3	4111.8
32.5°	6158.9	6273.5	6366.2	6442.9	6366.2	6273.5	6158.9	6041.8	5943.5	5614.6	5008.6
30°	6807.7	6881.7	6921.4	6931.0	6921.4	6881.7	6807.7	6716.5	6585.9	6165.4	5605.0
27.5°	7284.0	7361.6	7409.8	7445.0	7409.8	7361.6	7284.0	7199.8	7047.3	6618.3	6068.2
25°	7743.1	7814.0	7862.3	7881.1	7862.3	7814.0	7743.1	7657.5	7470.5	7107.9	6566.1
22.5°	8219.6	8268.8	8315.1	8337.9	8315.1	8268.8	8219.6	8119.2	7916.6	7627.2	7053.2
20°	8902.5	8875.7	8918.0	8903.8	8918.0	8875.7	8902.5	8749.1	8535.6	8234.1	7679.8
17.5°	10294.3	10308.8	10337.0	10383.5	10337.0	10308.8	10294.3	10090.9	9830.0	9557.6	8786.5
15°	12044.7	12079.9	12258.9	12418.6	12258.9	12079.9	12044.7	11847.9	11403.7	11010.8	10130.9
12.5°	12803.9	12925.8	12944.7	12989.7	12944.7	12925.8	12803.9	12526.4	12227.4	11726.2	10927.8
10°	13057.3	13268.3	13263.8	13316.8	13263.8	13268.3	13057.3	12815.9	12571.8	12144.2	11308.4
7.5°	13249.5	13476.2	13572.0	13612.7	13572.0	13476.2	13249.5	13086.0	12845.0	12430.6	11576.1
5°	13484.3	13608.9	13774.2	13727.0	13774.2	13608.9	13484.3	13279.0	12974.2	12533.9	11754.7
2.5°	13582.7	13777.9	13732.8	13778.9	13732.8	13777.9	13582.7	13305.7	13025.4	12671.2	11989.4
0°	13649.1	13789.3	13810.0	13856.8	13810.0	13789.3	13649.1	13373.9	13088.4	12745.7	12055.2
-2.5°	13568.5	13691.9	13908.0	13841.2	13908.0	13691.9	13568.5	13316.1	13044.4	12698.7	12077.5
-5°	13498.0	13801.6	13683.7	13830.8	13683.7	13801.6	13498.0	13229.2	12959.1	12585.2	11935.5
-7.5°	13461.6	13515.8	13594.1	13706.2	13594.1	13515.8	13461.6	13155.6	12860.1	12465.9	11807.7
-10°	13179.8	13235.3	13379.1	13457.0	13379.1	13235.3	13179.8	13039.6	12695.1	12276.6	11646.6
-12.5°	12874.2	12981.7	13132.7	13181.8	13132.7	12981.7	12874.2	12718.6	12472.5	12016.0	11389.7
-15°	12522.1	12681.8	12829.0	12859.9	12829.0	12681.8	12522.1	12338.5	12066.4	11694.9	11080.0
-17.5°	12074.4	12266.0	12420.6	12455.0	12420.6	12266.0	12074.4	11868.8	11601.5	11269.7	10768.4
-20°	11581.2	11764.6	11896.2	11935.8	11896.2	11764.6	11581.2	11365.8	11113.4	10794.5	10322.0



REPORT NUMBER: P627400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-735-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°	11053.1	11218.2	11329.4	11312.8	11329.4	11218.2	11053.1	10839.2	10605.9	10315.5	9807.5
-25°	10492.4	10645.6	10751.6	10736.5	10751.6	10645.6	10492.4	10305.7	10074.4	9765.9	9310.9
-27.5°	9899.6	10044.8	10146.6	10149.8	10146.6	10044.8	9899.6	9720.0	9487.2	9176.4	8788.0
-30°	9276.7	9408.6	9491.3	9459.3	9491.3	9408.6	9276.7	9102.5	8886.5	8584.4	8174.9
-32.5°	8634.2	8753.5	8829.3	8851.9	8829.3	8753.5	8634.2	8482.8	8300.8	8024.1	7586.4
-35°	8000.6	8105.8	8171.2	8187.4	8171.2	8105.8	8000.6	7862.3	7684.8	7465.9	7033.7
-37.5°	7371.0	7461.5	7507.2	7486.5	7507.2	7461.5	7371.0	7243.7	7083.8	6895.6	6522.2
-40°	6748.8	6835.0	6887.3	6899.8	6887.3	6835.0	6748.8	6633.2	6484.6	6301.3	6001.7
-42.5°	6137.1	6208.7	6254.7	6276.8	6254.7	6208.7	6137.1	6037.6	5881.1	5677.6	5436.8
-45°	5543.4	5607.5	5650.6	5674.6	5650.6	5607.5	5543.4	5454.4	5302.0	5105.3	4879.8
-47.5°	4965.8	5021.9	5059.2	5077.5	5059.2	5021.9	4965.8	4887.7	4751.7	4557.3	4334.6
-50°	4413.5	4462.1	4496.8	4516.8	4496.8	4462.1	4413.5	4345.8	4230.1	4041.2	3829.8
-52.5°	3889.7	3932.2	3961.8	3976.9	3961.8	3932.2	3889.7	3830.8	3738.4	3559.7	3365.1
-55°	3389.5	3424.0	3451.3	3468.1	3451.3	3424.0	3389.5	3341.1	3274.8	3109.2	2930.0
-57.5°	2923.1	2951.3	2977.2	2995.6	2977.2	2951.3	2923.1	2882.0	2827.7	2685.8	2529.0
-60°	2486.5	2513.1	2535.1	2549.1	2535.1	2513.1	2486.5	2450.0	2403.8	2296.8	2169.7
-62.5°	2092.5	2116.0	2136.2	2149.4	2136.2	2116.0	2092.5	2059.9	2018.1	1935.7	1833.1
-65°	1714.8	1735.9	1750.9	1760.0	1750.9	1735.9	1714.8	1686.4	1650.2	1591.3	1515.3
-67.5°	1396.4	1420.7	1425.5	1422.5	1425.5	1420.7	1396.4	1366.9	1332.3	1286.8	1229.7
-70°	1112.2	1132.8	1137.7	1137.0	1137.7	1132.8	1112.2	1088.4	1061.8	1029.0	986.5
-72.5°	869.7	880.9	871.3	856.6	871.3	880.9	869.7	856.8	842.9	824.4	792.8
-75°	652.6	645.5	635.4	623.0	635.4	645.5	652.6	658.3	663.0	661.8	638.4
-77.5°	478.0	460.3	448.7	436.1	448.7	460.3	478.0	494.1	508.8	518.1	502.1
-80°	332.8	315.5	303.5	290.7	303.5	315.5	332.8	349.0	364.0	376.1	370.8
-82.5°	210.8	196.6	189.3	181.7	189.3	196.6	210.8	224.3	237.0	247.9	244.6
-85°	117.1	108.6	103.7	98.6	103.7	108.6	117.1	125.0	132.4	139.0	135.4
-87.5°	51.7	51.8	49.3	46.7	49.3	51.8	51.7	51.6	51.4	51.2	49.6
-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: P627400 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	28.6	27.3	26.0	24.7	23.4	22.1	20.8	19.5	18.2	16.9	15.6
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	0.2	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°	3.2	2.0	1.2	2.5	3.9	5.2	5.5	4.8	4.7	5.4	6.4
62.5°	10.5	10.9	9.5	7.9	6.9	7.6	8.2	8.8	7.7	6.2	8.1
60°	31.3	19.0	27.8	29.7	23.7	20.5	30.7	29.2	15.2	13.1	11.8
57.5°	150.6	126.0	138.3	125.7	86.0	75.1	77.8	74.3	67.2	41.2	17.6
55°	519.1	444.9	349.5	301.9	290.8	222.4	165.8	138.4	125.5	90.6	60.1
52.5°	659.4	613.1	540.9	441.4	388.3	368.4	314.9	252.0	200.2	160.1	115.0
50°	826.9	839.2	765.1	627.4	573.0	514.1	462.2	389.4	323.7	259.6	191.6
47.5°	1348.9	1256.5	1182.2	1079.4	884.3	759.7	677.9	558.6	468.6	391.1	307.2
45°	1798.5	1692.8	1620.1	1460.6	1253.3	1060.6	932.0	782.4	623.2	519.4	443.3
42.5°	2117.9	1981.0	1861.7	1731.6	1533.5	1316.1	1139.6	991.6	824.3	656.1	554.8
40°	2430.3	2213.4	2095.1	1978.7	1791.9	1548.0	1410.5	1193.2	1018.5	832.1	693.7
37.5°	2896.4	2527.5	2485.7	2373.5	2162.4	1908.7	1754.0	1539.6	1215.4	1039.7	880.7
35°	3684.0	3304.0	3084.6	2974.6	2700.8	2377.5	2122.9	1922.7	1601.1	1254.9	1071.7
32.5°	4552.0	4071.0	3738.1	3581.2	3287.3	2848.7	2534.5	2279.8	1957.1	1565.4	1271.5
30°	5042.0	4603.4	4202.4	3934.2	3648.6	3271.6	2911.0	2551.4	2201.1	1876.9	1488.0
27.5°	5498.1	4951.2	4518.8	4216.2	3948.7	3586.3	3187.4	2801.9	2416.9	2096.6	1749.7
25°	5932.7	5326.6	4855.4	4500.0	4189.0	3902.0	3451.1	3030.0	2628.4	2274.5	2003.1
22.5°	6337.5	5774.9	5231.9	4767.3	4503.8	4195.8	3751.2	3241.0	2848.7	2551.0	2231.7
20°	7004.0	6374.3	5686.8	5284.8	5039.7	4563.9	4060.9	3556.4	3196.0	2855.2	2479.5
17.5°	8103.0	7317.2	6495.1	6064.6	5717.6	5134.0	4493.0	3992.5	3542.6	3162.7	2749.3
15°	9306.1	8294.5	7480.0	6924.0	6374.2	5690.5	4948.5	4407.9	3896.7	3469.2	2997.2
12.5°	9900.7	8937.6	8217.2	7433.4	6724.2	6104.8	5402.7	4806.6	4226.4	3669.4	3150.5
10°	10255.5	9298.5	8483.5	7701.2	6990.3	6394.3	5742.2	5036.0	4391.3	3802.0	3278.4
7.5°	10531.4	9545.4	8677.4	7898.7	7178.3	6549.6	5925.5	5185.1	4523.2	3909.0	3381.1
5°	10722.5	9737.8	8857.7	8070.3	7312.0	6661.0	6061.6	5298.0	4621.5	3990.4	3459.0
2.5°	10919.4	9887.2	8970.6	8181.2	7397.2	6731.6	6143.9	5384.2	4701.4	4050.7	3524.0
0°	10996.1	9973.3	9049.2	8239.3	7445.0	6759.6	6167.8	5440.9	4755.6	4085.9	3566.7
-2.5°	11045.5	10001.5	9080.0	8277.0	7508.2	6804.0	6194.7	5504.6	4772.7	4123.9	3578.7
-5°	10970.5	9968.3	9054.1	8245.8	7509.5	6807.5	6175.9	5514.0	4768.4	4133.9	3569.5
-7.5°	10878.5	9880.4	8955.9	8163.0	7455.3	6760.6	6120.0	5472.7	4752.1	4117.4	3551.9
-10°	10722.9	9740.3	8860.2	8076.8	7360.1	6660.5	6038.7	5394.4	4699.0	4070.3	3510.6
-12.5°	10515.4	9563.3	8694.1	7919.3	7231.8	6557.6	5948.6	5286.1	4608.5	3991.8	3445.3
-15°	10241.1	9331.6	8488.4	7733.2	7068.2	6423.7	5815.0	5166.4	4520.2	3895.1	3355.7
-17.5°	9941.1	9026.0	8195.6	7484.1	6853.4	6242.3	5645.2	5040.6	4418.4	3804.3	3275.1
-20°	9600.4	8701.8	7879.1	7189.5	6594.4	6015.4	5463.2	4899.9	4277.2	3699.9	3190.5



REPORT NUMBER: P627400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-735-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°	9110.2	8316.5	7562.3	6886.1	6317.2	5787.2	5255.4	4710.7	4094.1	3569.2	3075.3
-25°	8625.7	7887.6	7209.7	6588.2	6038.8	5535.5	5018.1	4478.2	3931.1	3415.6	2934.4
-27.5°	8151.4	7467.9	6792.4	6233.7	5740.3	5248.6	4762.6	4251.8	3748.1	3242.8	2802.0
-30°	7639.5	7000.2	6391.2	5866.8	5399.6	4944.8	4507.6	4030.7	3535.1	3055.6	2659.2
-32.5°	7077.2	6516.1	5979.4	5485.7	5049.0	4646.1	4231.2	3779.2	3289.4	2880.6	2493.8
-35°	6531.5	6013.6	5550.4	5114.9	4718.6	4349.8	3948.2	3495.5	3065.4	2681.8	2307.1
-37.5°	6043.1	5538.6	5109.7	4734.5	4403.4	4053.8	3653.3	3251.6	2847.3	2460.6	2133.6
-40°	5537.7	5067.0	4686.1	4381.0	4064.2	3749.5	3397.0	3023.5	2624.6	2246.8	1963.3
-42.5°	5047.8	4668.0	4292.5	3987.2	3703.2	3445.5	3148.1	2771.1	2404.4	2076.2	1803.8
-45°	4568.2	4223.2	3880.3	3601.9	3365.7	3124.1	2858.2	2515.5	2186.1	1904.4	1647.5
-47.5°	4075.3	3784.8	3498.9	3240.1	3028.9	2794.3	2537.6	2247.3	1977.4	1723.5	1496.0
-50°	3602.2	3366.5	3135.2	2911.0	2697.3	2468.1	2238.8	2004.5	1763.7	1542.4	1335.9
-52.5°	3156.7	2961.5	2766.1	2569.8	2383.0	2182.7	1971.2	1762.8	1550.9	1366.0	1181.6
-55°	2737.6	2570.3	2415.3	2257.9	2100.5	1919.8	1729.0	1541.2	1372.2	1202.3	1052.0
-57.5°	2366.6	2219.8	2096.4	1967.9	1834.8	1674.8	1511.6	1353.0	1212.7	1072.1	932.9
-60°	2038.9	1910.8	1805.1	1693.1	1575.0	1441.2	1311.7	1186.0	1064.7	950.0	830.2
-62.5°	1729.3	1626.0	1530.7	1435.9	1339.9	1238.6	1127.7	1026.3	932.4	835.7	727.4
-65°	1436.4	1355.5	1275.5	1198.9	1120.1	1038.6	950.4	870.2	793.4	715.0	621.3
-67.5°	1169.3	1106.0	1041.2	977.1	915.6	851.0	783.9	717.0	654.4	590.5	514.4
-70°	941.3	893.6	843.2	789.7	738.8	688.2	636.3	582.2	525.0	472.8	420.7
-72.5°	759.8	725.5	687.8	644.6	598.7	555.0	512.9	470.7	427.3	382.6	337.1
-75°	614.0	588.8	560.2	524.1	487.0	449.0	413.5	377.2	337.5	294.2	251.9
-77.5°	486.2	470.8	453.2	424.3	395.2	365.8	334.1	294.5	254.1	214.1	179.2
-80°	364.5	357.2	346.7	321.7	296.6	271.6	245.2	210.6	176.2	144.0	118.1
-82.5°	240.5	235.5	228.9	212.1	195.6	179.4	162.7	138.7	115.7	93.9	74.7
-85°	131.5	127.2	122.5	114.6	106.6	98.8	90.8	77.6	65.1	53.5	43.1
-87.5°	48.0	46.4	44.7	43.0	41.3	39.5	37.7	33.8	30.1	26.4	23.0
-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: P627400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-735-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°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	14.3	13.0	11.7
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°	6.1	5.6	5.1	4.5	3.9	3.8	5.1	6.4	6.1	5.2	4.7
62.5°	9.1	9.0	8.4	7.6	6.8	5.9	5.4	7.2	7.9	7.0	5.9
60°	11.7	12.2	11.6	10.6	9.6	8.5	7.7	8.1	9.1	8.8	7.4
57.5°	16.2	15.7	15.5	14.1	12.4	11.1	10.4	10.2	10.4	10.3	9.0
55°	28.5	19.9	20.0	18.5	15.9	13.7	13.1	12.6	12.1	11.9	10.5
52.5°	72.2	40.1	25.7	23.8	20.7	16.9	15.8	15.1	14.3	13.6	12.0
50°	133.2	86.3	48.8	30.6	26.1	22.3	18.5	17.5	16.5	15.4	13.5
47.5°	213.1	148.3	96.3	48.3	33.7	27.8	23.1	20.0	18.7	17.4	15.0
45°	328.3	218.4	151.4	95.7	44.9	38.4	28.6	22.4	20.9	19.2	16.4
42.5°	456.8	320.4	212.5	144.5	85.8	53.1	34.2	27.1	23.0	21.1	18.0
40°	582.8	442.9	285.4	199.3	129.4	71.2	49.2	32.4	25.2	23.2	19.7
37.5°	722.2	572.4	399.7	257.7	173.9	108.7	67.4	37.7	28.6	25.3	21.6
35°	894.6	716.0	514.2	343.3	230.3	143.5	87.7	48.0	35.1	27.6	23.5
32.5°	1066.8	859.4	637.9	442.9	289.2	175.6	114.1	68.5	42.8	30.0	25.4
30°	1240.1	990.8	754.4	535.0	357.1	227.0	142.5	88.4	51.5	32.4	27.4
27.5°	1396.2	1114.7	863.4	631.3	436.6	281.4	172.2	107.7	61.3	36.7	29.4
25°	1572.4	1248.7	970.7	723.3	509.4	338.0	202.7	126.6	75.5	44.2	31.4
22.5°	1799.2	1386.4	1070.2	806.7	581.4	392.2	241.9	151.6	91.1	52.2	33.5
20°	2024.7	1520.9	1167.6	911.3	659.8	453.2	287.2	176.5	105.9	60.4	35.5
17.5°	2246.0	1693.2	1309.4	1018.1	743.6	510.3	329.6	200.9	119.9	68.8	37.5
15°	2444.4	1890.6	1448.7	1119.1	825.7	563.0	368.7	224.6	133.0	77.2	40.1
12.5°	2611.0	2060.8	1580.0	1213.7	904.8	611.2	404.6	247.3	145.1	86.5	43.7
10°	2748.6	2204.8	1701.6	1301.0	979.5	654.6	436.8	270.1	159.2	96.4	47.5
7.5°	2858.6	2323.7	1812.3	1380.3	1047.3	695.1	471.5	294.0	172.9	105.8	51.3
5°	2941.4	2416.4	1897.9	1437.2	1101.2	732.4	503.5	316.1	185.7	114.6	55.2
2.5°	2995.1	2484.7	1961.3	1481.7	1145.1	763.7	531.6	335.8	197.3	122.7	58.9
0°	3026.8	2533.6	2009.2	1516.0	1178.5	789.1	555.5	353.0	207.7	129.8	62.3
-2.5°	3055.1	2565.6	2051.1	1575.7	1201.5	830.8	570.8	368.5	224.1	134.9	68.6
-5°	3064.5	2579.7	2078.5	1621.7	1215.4	864.5	581.5	381.1	238.4	139.1	74.4
-7.5°	3048.7	2571.2	2088.1	1647.9	1221.9	888.4	587.7	391.0	250.1	142.3	79.5
-10°	3013.5	2543.4	2075.4	1640.0	1230.7	895.9	591.4	398.3	258.6	144.7	83.7
-12.5°	2961.5	2501.4	2048.2	1622.6	1229.2	891.1	601.1	404.0	263.0	146.3	86.8
-15°	2893.3	2446.4	2006.4	1596.9	1214.4	880.4	603.6	406.0	262.6	149.4	88.7
-17.5°	2813.0	2379.7	1950.5	1564.1	1185.6	864.3	598.1	403.5	259.9	153.9	90.6
-20°	2732.6	2305.6	1884.2	1525.3	1142.2	843.3	584.2	396.1	255.2	156.8	92.5

Classified

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

Scaled Data Report



REPORT NUMBER: P627400 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-735-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°	2638.3	2220.5	1826.9	1471.3	1095.2	818.0	561.4	383.5	248.3	158.0	93.3
-25°	2530.1	2121.2	1758.0	1397.0	1058.2	789.4	537.9	365.5	239.5	157.6	93.0
-27.5°	2407.6	2015.1	1676.9	1315.7	1019.7	749.5	515.6	352.4	232.0	155.4	91.6
-30°	2271.1	1915.2	1579.9	1237.5	972.7	706.4	486.5	337.7	228.7	152.5	89.1
-32.5°	2123.9	1802.7	1475.7	1177.9	919.1	661.6	460.8	321.0	223.0	148.8	89.2
-35°	1985.8	1680.3	1369.3	1109.0	862.4	635.1	443.6	302.5	214.9	143.6	89.7
-37.5°	1837.9	1551.9	1285.0	1037.3	802.7	604.6	429.6	294.3	204.5	137.0	89.4
-40°	1695.7	1430.2	1187.4	968.9	758.5	570.3	407.7	285.0	194.5	128.9	88.2
-42.5°	1551.7	1315.7	1094.2	894.5	716.8	537.1	379.6	270.9	186.5	124.3	86.1
-45°	1419.1	1197.6	994.9	829.6	670.5	494.7	358.0	253.2	176.6	120.9	84.3
-47.5°	1279.8	1077.2	904.2	758.6	609.9	448.5	330.6	239.2	164.6	116.6	83.1
-50°	1136.0	963.2	819.4	680.5	535.7	410.0	301.2	222.5	160.4	113.1	81.0
-52.5°	1010.2	863.1	732.6	600.3	479.7	365.0	278.9	204.6	154.7	110.2	78.2
-55°	901.9	767.9	647.1	534.5	426.4	331.8	253.7	196.1	147.7	106.6	74.7
-57.5°	806.1	679.7	577.0	475.8	381.9	299.9	236.0	186.0	140.3	101.6	71.5
-60°	713.0	609.2	513.3	423.0	340.4	272.4	222.1	174.3	131.6	95.3	68.0
-62.5°	626.9	535.6	452.1	370.6	303.1	250.0	206.3	160.8	121.2	87.3	63.4
-65°	536.7	458.8	388.3	324.2	269.3	223.7	185.8	145.4	107.6	77.8	57.4
-67.5°	442.8	385.7	330.6	277.2	232.4	194.2	162.2	124.9	91.6	66.8	50.4
-70°	368.8	318.4	271.8	229.9	193.4	162.2	132.6	101.0	73.8	57.2	43.0
-72.5°	293.5	252.5	214.3	181.0	154.9	128.4	101.5	77.3	61.2	47.2	35.1
-75°	217.3	189.5	164.6	141.5	118.0	94.8	77.3	61.4	48.2	36.7	29.6
-77.5°	157.7	137.6	119.3	104.6	88.5	73.1	58.4	45.0	36.5	30.5	24.9
-80°	107.1	96.6	86.5	76.2	63.2	50.9	42.1	34.7	29.4	24.6	20.1
-82.5°	67.5	61.9	56.8	51.7	44.1	37.3	31.3	26.2	22.2	18.5	16.3
-85°	40.1	37.1	34.1	31.2	27.0	23.3	21.6	19.9	18.2	16.5	14.8
-87.5°	22.6	22.3	21.9	21.6	20.5	19.5	18.6	17.8	16.3	14.8	13.3
-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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CATALOG NUMBER: GFLD-SA4C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.4	9.1	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	7.3	6.2	5.0	5.3	5.2	5.2
52.5°	10.0	8.0	6.8	5.1	5.4	5.2	5.2
50°	11.3	9.0	7.3	5.2	5.5	5.2	5.2
47.5°	12.5	10.1	7.9	5.3	5.7	5.2	5.2
45°	13.8	11.1	8.6	5.8	5.8	5.2	5.2
42.5°	14.9	12.1	9.2	6.3	6.0	5.2	5.2
40°	16.1	13.0	9.9	6.9	6.2	5.2	5.2
37.5°	17.2	14.0	10.7	7.6	6.4	5.2	5.2
35°	18.3	14.9	11.4	8.3	6.6	5.2	5.2
32.5°	19.5	15.7	12.1	8.9	6.8	5.2	5.2
30°	21.1	16.6	12.8	9.6	7.1	5.2	5.2
27.5°	22.6	17.4	13.6	10.2	7.4	5.2	5.2
25°	24.2	18.1	14.4	10.8	7.6	5.2	5.2
22.5°	25.7	18.9	15.2	11.4	7.9	5.2	5.2
20°	27.2	19.9	15.9	12.0	8.2	5.2	5.2
17.5°	28.7	20.8	16.7	12.5	8.5	5.2	5.2
15°	30.1	21.7	17.4	13.0	8.8	5.2	5.2
12.5°	31.4	22.5	18.0	13.5	9.1	5.2	5.2
10°	32.6	23.3	18.7	14.0	9.4	5.2	5.2
7.5°	33.7	24.1	19.2	14.4	9.6	5.2	5.2
5°	34.7	24.7	19.8	14.9	9.9	5.2	5.2
2.5°	35.6	25.4	20.3	15.2	10.2	5.2	5.2
0°	36.3	26.0	20.8	15.6	10.4	5.2	5.2
-2.5°	38.3	26.6	21.2	15.6	10.4	5.2	5.2
-5°	40.2	27.1	21.6	15.5	10.4	5.2	5.2
-7.5°	41.8	27.5	21.9	15.5	10.3	5.2	5.2
-10°	43.1	27.9	22.2	15.4	10.2	5.2	5.2
-12.5°	44.2	28.2	22.4	15.2	10.2	5.2	5.2
-15°	44.8	28.5	22.4	15.1	10.0	5.2	5.2
-17.5°	45.0	28.7	22.4	14.9	9.9	5.2	5.2
-20°	46.2	28.9	22.2	14.7	9.8	5.2	5.2

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CATALOG NUMBER: GFLD-SA4C-735-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	49.2	29.0	22.0	14.4	9.6	5.2	5.2
-25°	51.6	30.9	21.6	14.1	9.4	5.2	5.2
-27.5°	53.5	33.4	21.1	13.8	9.2	5.2	5.2
-30°	54.8	35.4	20.6	13.5	9.0	5.2	5.2
-32.5°	55.5	37.2	21.3	13.1	8.8	5.2	5.2
-35°	57.0	38.5	21.9	12.8	8.5	5.2	5.2
-37.5°	58.5	39.3	22.2	12.4	8.2	5.2	5.2
-40°	59.4	39.7	22.4	11.9	8.0	5.2	5.2
-42.5°	59.7	39.7	22.5	11.7	7.7	5.2	5.2
-45°	59.5	39.4	22.6	11.8	7.3	5.2	5.2
-47.5°	58.6	38.8	22.5	11.7	7.0	5.2	5.2
-50°	57.3	37.9	22.1	11.5	6.7	5.2	5.2
-52.5°	55.7	36.7	21.4	11.3	6.3	5.2	5.2
-55°	53.7	35.2	20.5	11.0	6.0	5.2	5.2
-57.5°	51.3	33.3	19.3	10.6	5.6	5.2	5.2
-60°	48.5	31.0	18.0	10.1	5.2	5.2	5.2
-62.5°	44.6	28.4	17.0	9.6	5.2	5.2	5.2
-65°	40.2	25.5	15.9	9.0	5.2	5.2	5.2
-67.5°	35.4	22.9	14.7	8.3	5.2	5.2	5.2
-70°	30.2	20.8	13.3	7.5	5.2	5.2	5.2
-72.5°	26.6	18.5	11.9	7.3	5.2	5.2	5.2
-75°	23.2	16.1	10.4	7.3	5.2	5.2	5.2
-77.5°	19.6	13.6	9.8	7.2	5.2	5.2	5.2
-80°	15.8	12.3	9.5	7.1	5.2	5.2	5.2
-82.5°	14.3	11.5	9.1	7.0	5.2	5.2	5.2
-85°	13.0	10.8	8.7	6.8	5.2	5.2	5.2
-87.5°	11.7	9.9	8.2	6.7	5.2	5.2	5.2
-90°	5.2	5.2	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)