

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: P628010 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA6E-740-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P628010 (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-SA6E-740-U-VWR-VSR-XX
Description: GALLEON FLOOD, SIX LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

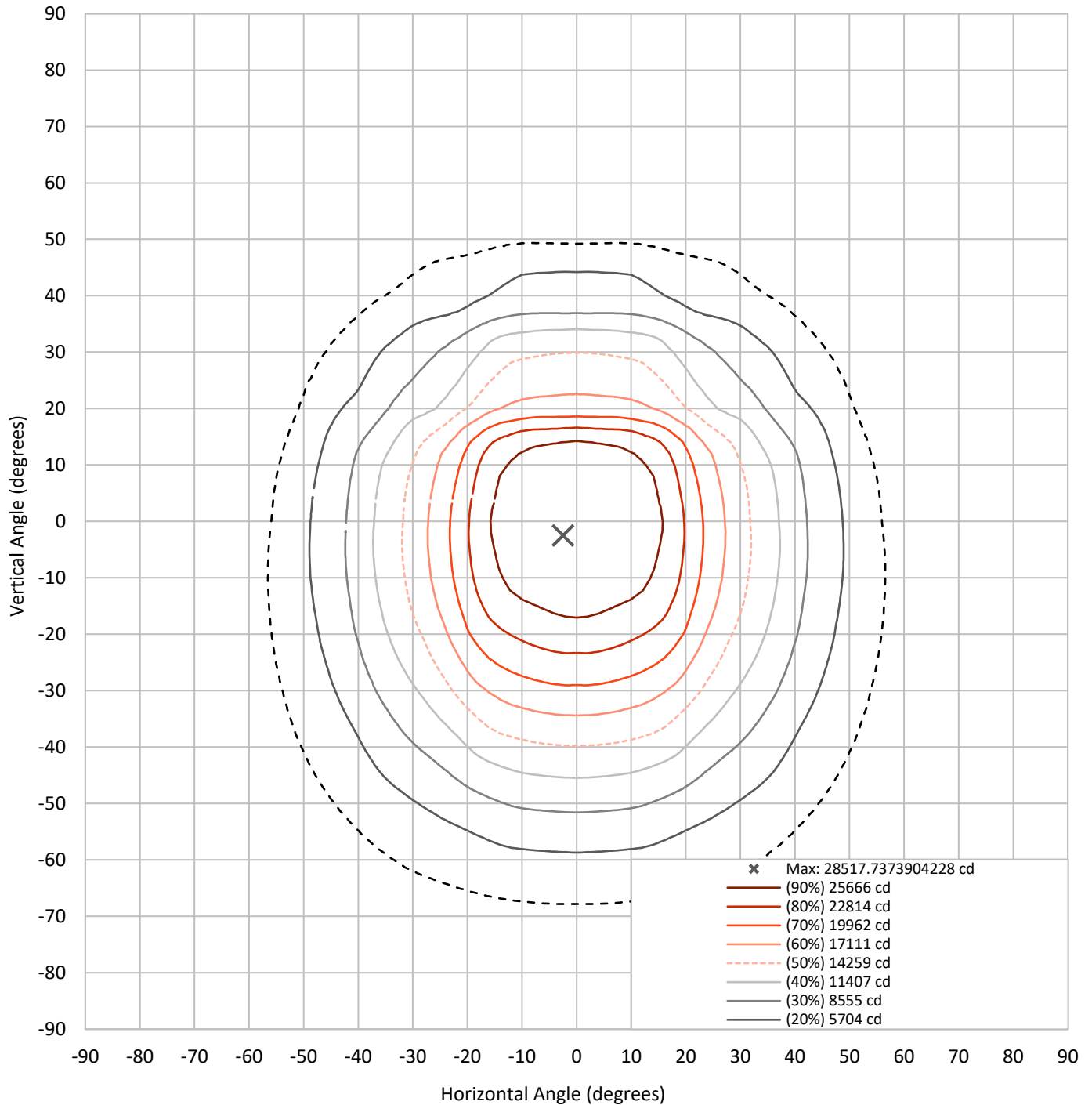
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	38057.8 lumens	Max Intensity:	28517.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	101.0 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:	22019 lumens	Field Lumens:	36114.4 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	376.7		
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

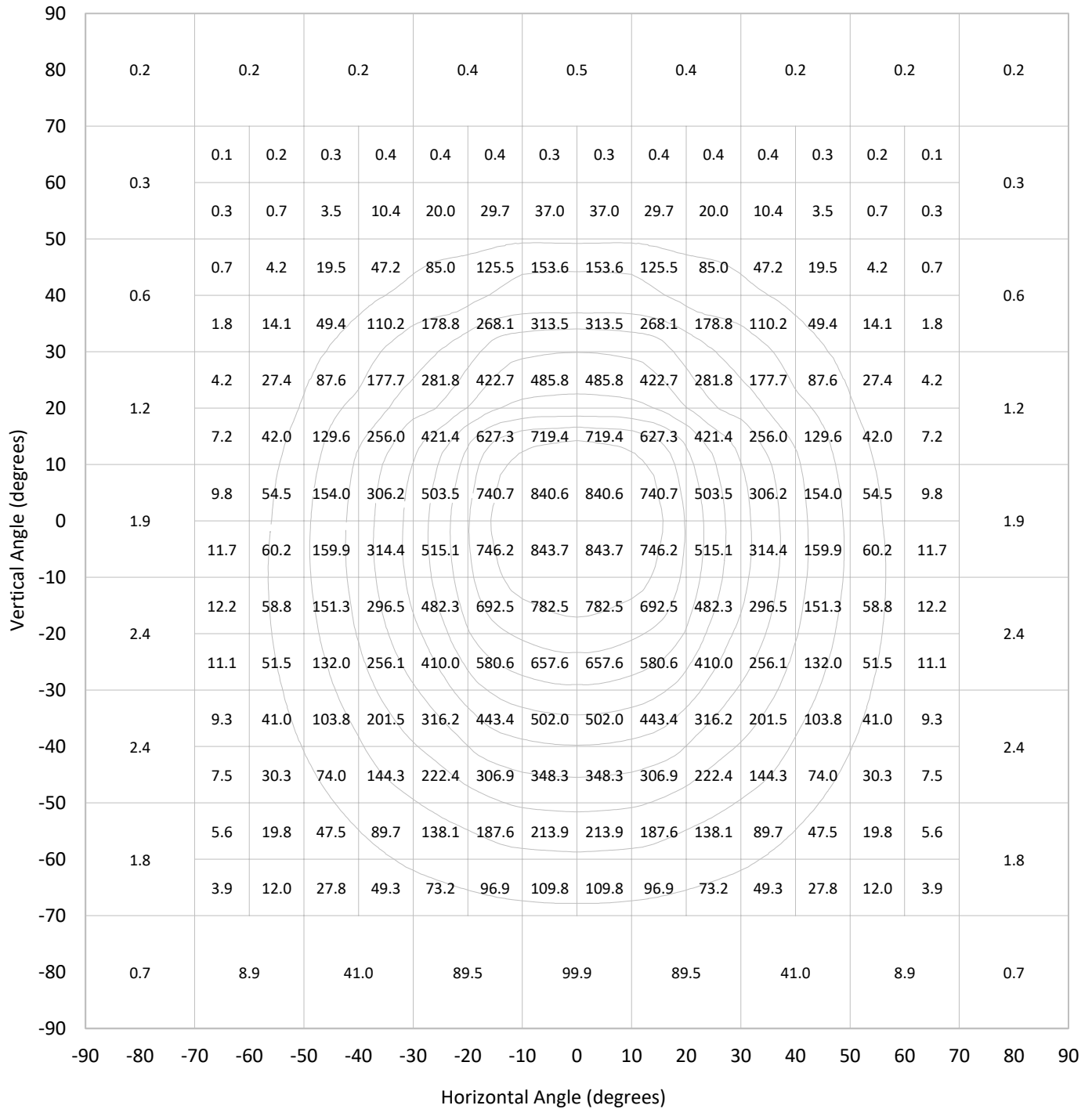




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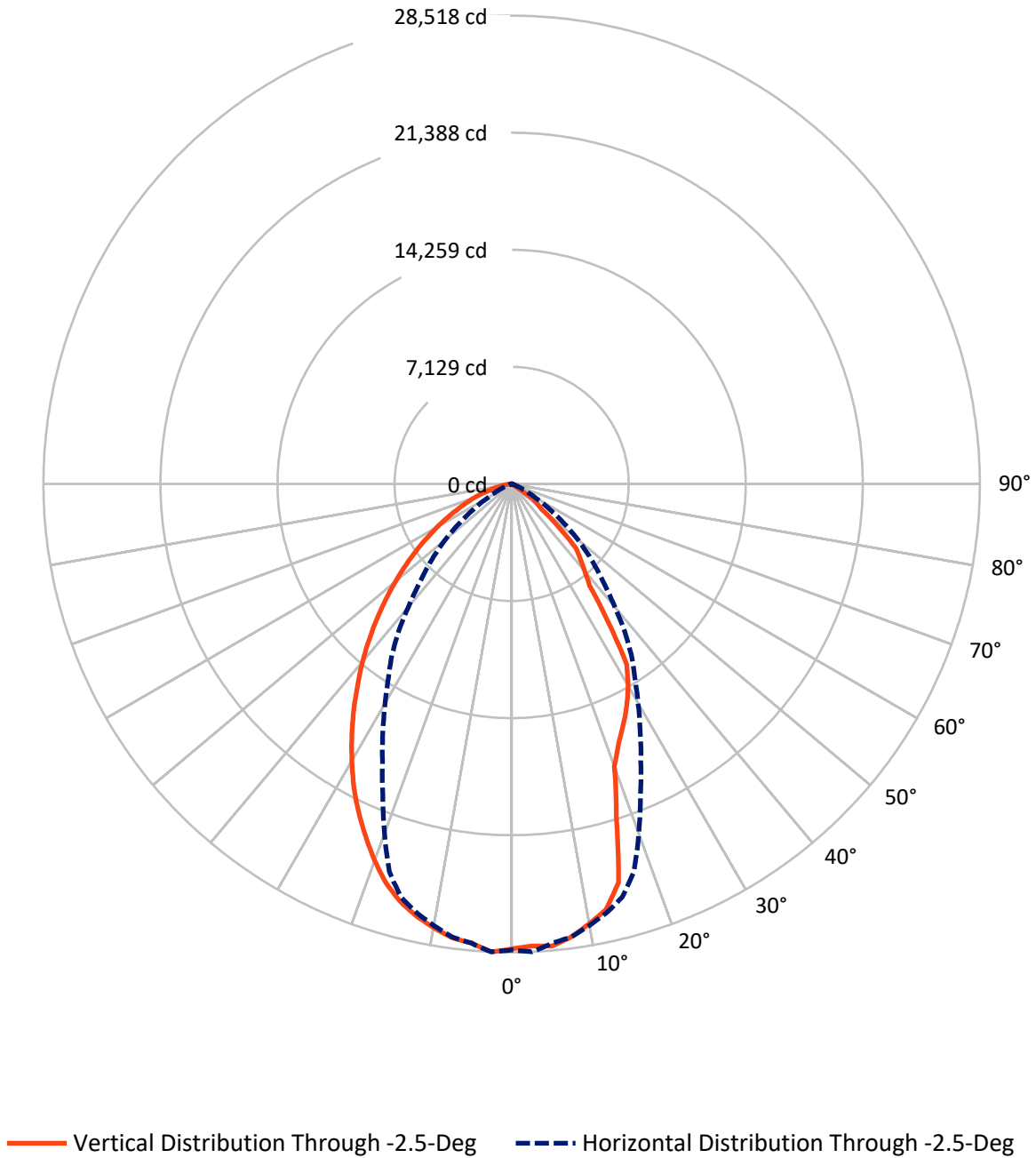
CATALOG NUMBER: GFLD-SA6E-740-U-VWR-VSR-XX

Lumen Table



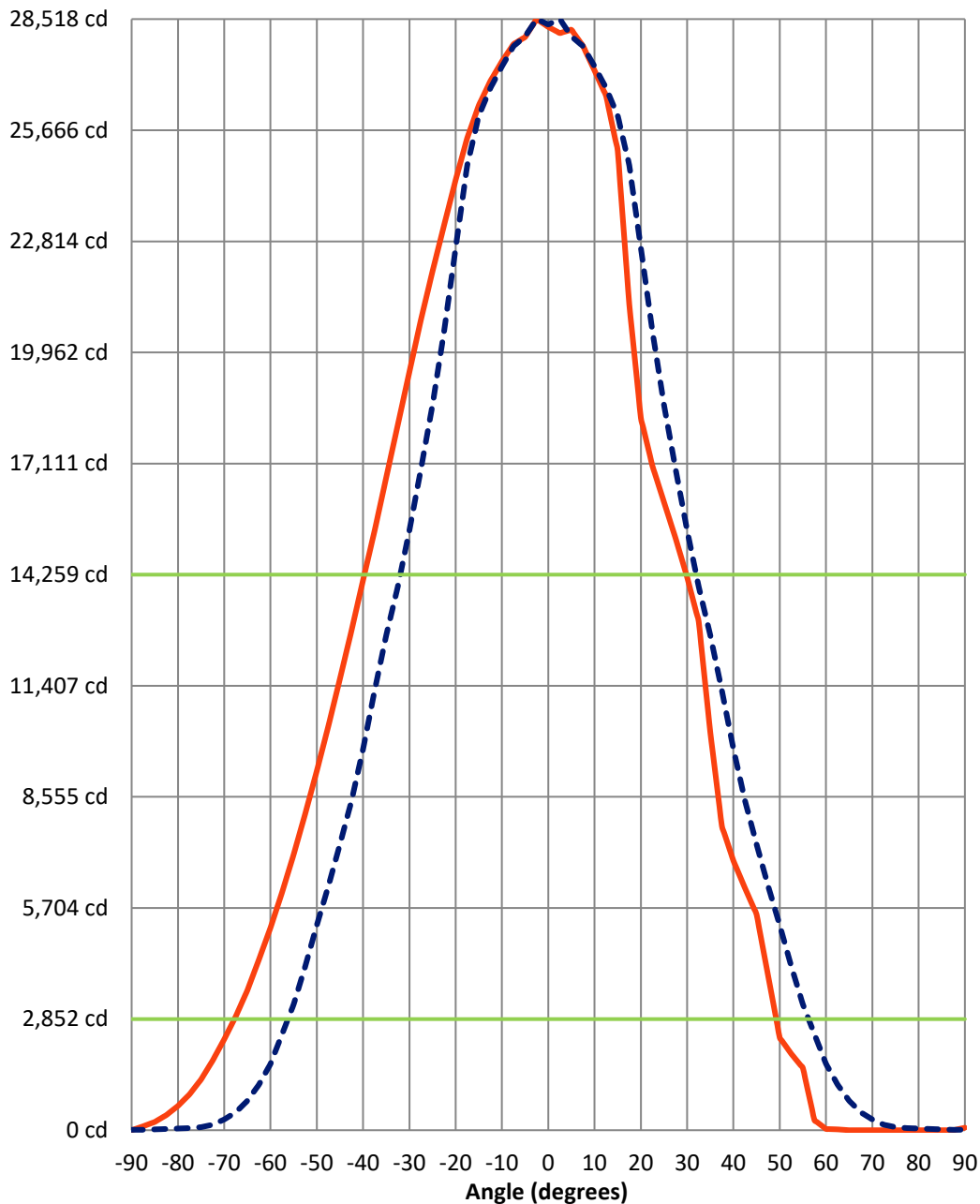
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 22019
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 36114.4
 Efficiency: 94.9%

Spill:
 Lumens: 1943.4
 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°	10.6	10.6	10.6	13.3	16.0	18.6	21.3	24.0	26.6	29.3	31.9
87.5°	10.6	10.6	10.6	10.3	9.7	8.9	7.9	5.6	3.5	1.6	0.0
85°	10.6	10.6	10.6	9.9	8.8	7.2	5.1	3.2	1.7	0.6	0.0
82.5°	10.6	10.6	10.6	9.6	7.9	5.5	2.5	0.8	0.2	1.5	2.8
80°	10.6	10.6	10.6	9.3	7.0	3.9	0.5	2.1	3.8	5.6	7.2
77.5°	10.6	10.6	10.6	9.0	6.2	3.5	3.3	5.2	7.4	9.5	9.6
75°	10.6	10.6	10.6	8.8	5.8	5.2	5.9	8.3	10.5	8.6	5.6
72.5°	10.6	10.6	10.6	8.5	6.7	6.9	8.5	10.5	9.0	6.1	1.8
70°	10.6	10.6	10.6	8.5	7.6	8.4	10.6	10.0	7.8	4.0	4.9
67.5°	10.6	10.6	10.6	8.8	8.5	9.9	10.9	9.8	6.9	8.2	9.5
65°	10.6	10.6	10.6	9.2	9.2	11.0	11.3	9.7	10.6	12.4	13.1
62.5°	10.6	10.6	10.6	9.5	9.9	11.8	11.9	12.0	14.3	16.1	14.6
60°	10.6	10.6	10.6	9.8	10.6	12.7	12.6	15.2	18.0	18.5	16.6
57.5°	10.6	10.6	10.7	10.0	11.6	13.8	15.1	18.4	21.1	21.3	20.8
55°	10.6	10.6	10.9	10.3	12.7	14.9	17.8	21.6	24.3	24.7	25.9
52.5°	10.6	10.6	11.1	10.4	13.8	16.3	20.5	24.6	27.7	29.3	30.9
50°	10.6	10.6	11.3	10.5	15.0	18.5	23.1	27.7	31.5	33.8	35.9
47.5°	10.6	10.6	11.6	10.8	16.2	20.6	25.7	30.6	35.5	38.3	40.9
45°	10.6	10.6	11.9	11.8	17.5	22.7	28.1	33.6	39.3	42.7	45.8
42.5°	10.6	10.6	12.2	12.8	18.9	24.7	30.6	36.8	43.2	47.1	55.6
40°	10.6	10.6	12.6	14.1	20.3	26.7	33.0	40.4	47.5	51.6	66.4
37.5°	10.6	10.6	13.0	15.5	21.9	28.6	35.3	44.2	51.9	58.6	77.4
35°	10.6	10.6	13.5	16.9	23.3	30.4	37.5	48.1	56.6	72.0	98.5
32.5°	10.6	10.6	14.0	18.3	24.8	32.2	40.0	52.0	61.4	87.8	140.5
30°	10.6	10.6	14.5	19.6	26.1	33.9	43.1	56.1	66.5	105.7	181.4
27.5°	10.6	10.6	15.0	20.9	27.8	35.6	46.3	60.2	75.3	125.6	221.0
25°	10.6	10.6	15.6	22.1	29.5	37.1	49.5	64.4	90.7	154.8	259.7
22.5°	10.6	10.6	16.2	23.3	31.1	38.8	52.6	68.6	107.0	186.8	311.0
20°	10.6	10.6	16.8	24.5	32.6	40.7	55.6	72.8	123.8	217.2	361.9
17.5°	10.6	10.6	17.4	25.6	34.1	42.6	58.7	76.9	141.0	245.8	411.9
15°	10.6	10.6	18.0	26.7	35.5	44.4	61.6	82.3	158.2	272.6	460.5
12.5°	10.6	10.6	18.6	27.7	36.9	46.1	64.4	89.7	177.4	297.5	507.1
10°	10.6	10.6	19.2	28.6	38.2	47.7	66.9	97.4	197.6	326.5	553.8
7.5°	10.6	10.6	19.7	29.5	39.4	49.2	69.1	105.3	216.9	354.6	603.0
5°	10.6	10.6	20.3	30.4	40.6	50.6	71.2	113.1	235.0	380.7	648.2
2.5°	10.6	10.6	20.8	31.2	41.6	52.0	73.0	120.7	251.5	404.6	688.7
0°	10.6	10.6	21.3	31.9	42.6	53.2	74.5	127.7	266.1	425.8	723.9
-2.5°	10.6	10.6	21.3	31.9	42.6	53.2	74.5	127.7	266.1	425.8	723.9
-5°	10.6	10.6	21.2	31.8	44.3	55.4	82.4	152.6	285.2	488.9	781.5
-7.5°	10.6	10.6	21.1	31.6	44.9	56.3	85.8	163.0	291.8	512.9	801.8
-10°	10.6	10.6	21.0	31.4	45.4	57.1	88.5	171.6	296.7	530.3	816.7
-12.5°	10.6	10.6	20.8	31.1	45.8	57.8	90.6	178.0	300.1	539.4	828.3
-15°	10.6	10.6	20.6	30.8	45.9	58.4	91.9	181.9	306.4	538.4	832.6
-17.5°	10.6	10.6	20.3	30.4	45.8	58.9	92.4	185.8	315.5	533.0	827.4
-20°	10.6	10.6	20.0	30.0	45.5	59.2	94.8	189.6	321.5	523.2	812.2

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	10.6	10.6	19.7	29.5	45.0	59.4	100.8	191.3	324.1	509.3	786.4
-25°	10.6	10.6	19.3	28.9	44.2	63.4	105.8	190.7	323.2	491.2	749.6
-27.5°	10.6	10.6	18.9	28.3	43.1	68.3	109.7	187.9	318.6	475.8	722.7
-30°	10.6	10.6	18.4	27.6	42.1	72.6	112.3	182.6	312.7	468.9	692.4
-32.5°	10.6	10.6	17.9	26.9	43.6	76.1	113.8	182.9	305.1	457.2	658.3
-35°	10.6	10.6	17.4	26.1	44.7	78.8	116.8	183.9	294.5	440.7	620.3
-37.5°	10.6	10.6	16.9	25.3	45.5	80.6	119.9	183.2	280.9	419.3	603.4
-40°	10.6	10.6	16.3	24.4	45.8	81.2	121.8	180.8	264.3	398.8	584.5
-42.5°	10.6	10.6	15.7	23.9	46.1	81.3	122.5	176.6	254.8	382.3	555.5
-45°	10.6	10.6	15.0	24.1	46.4	80.7	121.9	172.8	247.9	362.0	519.1
-47.5°	10.6	10.6	14.3	23.9	46.0	79.4	120.0	170.4	239.0	337.5	490.4
-50°	10.6	10.6	13.6	23.6	45.2	77.6	117.5	166.2	232.0	328.8	456.2
-52.5°	10.6	10.6	12.9	23.1	43.8	75.2	114.2	160.3	226.0	317.2	419.5
-55°	10.6	10.6	12.2	22.5	42.0	72.1	110.1	153.1	218.6	302.8	402.0
-57.5°	10.6	10.6	11.4	21.7	39.6	68.2	105.3	146.6	208.3	287.7	381.3
-60°	10.6	10.6	10.6	20.7	36.8	63.6	99.4	139.4	195.3	269.7	357.4
-62.5°	10.6	10.6	10.6	19.6	34.8	58.2	91.4	129.9	179.1	248.5	329.6
-65°	10.6	10.6	10.6	18.3	32.5	52.1	82.4	117.7	159.5	220.5	298.0
-67.5°	10.6	10.6	10.6	16.9	30.0	46.9	72.5	103.3	136.8	187.7	256.0
-70°	10.6	10.6	10.6	15.3	27.3	42.5	61.8	88.1	117.2	151.4	206.9
-72.5°	10.6	10.6	10.6	15.0	24.3	37.9	54.5	72.0	96.7	125.5	158.3
-75°	10.6	10.6	10.6	14.8	21.2	33.0	47.5	60.7	75.3	98.9	125.9
-77.5°	10.6	10.6	10.6	14.7	20.1	27.9	40.1	51.0	62.5	74.9	92.4
-80°	10.6	10.6	10.6	14.5	19.3	25.1	32.4	41.1	50.3	60.4	71.1
-82.5°	10.6	10.6	10.6	14.2	18.6	23.6	29.3	33.4	38.0	45.5	53.6
-85°	10.6	10.6	10.6	13.9	17.7	22.0	26.7	30.3	33.8	37.3	40.8
-87.5°	10.6	10.6	10.6	13.6	16.9	20.3	24.0	27.1	30.2	33.3	36.4
-90°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	7.9	5.3	2.6	0.0



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CATALOG NUMBER: GFLD-SA6E-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°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	34.6	37.3	39.9
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	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.1	2.7	1.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	7.0	5.7	2.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	6.0	3.1	1.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2.2	0.2	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	1.8	3.0	2.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	6.0	6.5	4.3	1.8	0.0	0.6	1.6	1.1	0.0	0.5	1.3
67.5°	9.9	7.3	4.8	3.0	4.0	5.3	5.0	5.4	5.7	6.3	5.4
65°	10.3	7.8	8.0	9.3	10.4	11.5	12.4	13.1	11.0	9.6	9.8
62.5°	11.0	12.0	13.8	15.5	17.1	18.5	18.6	16.5	12.5	15.7	18.0
60°	15.8	17.4	19.6	21.7	23.8	25.0	23.9	24.1	26.8	31.1	59.8
57.5°	21.3	22.7	25.4	28.8	31.7	32.2	33.1	36.0	84.4	137.8	152.2
55°	26.9	28.0	32.5	37.8	40.9	40.6	58.4	123.1	185.8	257.4	283.8
52.5°	32.4	34.7	42.3	48.6	52.7	82.1	147.9	235.7	328.3	410.5	516.7
50°	37.8	45.6	53.5	62.8	100.2	176.8	273.1	392.9	532.4	663.8	798.3
47.5°	47.4	57.0	69.1	99.1	197.5	303.9	437.0	629.9	801.9	960.9	1145.3
45°	58.6	78.7	92.1	196.2	310.5	447.8	673.2	909.0	1065.1	1277.9	1604.2
42.5°	70.1	109.0	175.9	296.3	435.6	657.1	936.6	1137.6	1345.3	1690.1	2033.2
40°	100.9	146.1	265.4	408.6	585.1	908.1	1195.0	1422.5	1706.1	2088.3	2446.7
37.5°	138.3	222.9	356.6	528.3	819.6	1173.6	1480.9	1805.9	2131.9	2492.3	3156.9
35°	179.8	294.3	472.2	703.9	1054.4	1468.1	1834.4	2197.6	2573.3	3283.0	3942.4
32.5°	233.9	360.0	593.1	908.1	1308.0	1762.2	2187.5	2607.2	3209.8	4012.9	4674.7
30°	292.2	465.5	732.2	1097.0	1546.8	2031.5	2542.9	3051.1	3848.6	4513.2	5231.6
27.5°	353.1	577.0	895.3	1294.4	1770.4	2285.7	2862.8	3587.8	4299.1	4955.7	5745.3
25°	415.6	693.2	1044.4	1483.1	1990.5	2560.5	3224.2	4107.3	4663.6	5389.4	6212.9
22.5°	496.0	804.3	1192.1	1654.2	2194.4	2842.7	3689.2	4575.9	5230.7	5841.2	6645.7
20°	589.0	929.4	1352.8	1868.6	2394.2	3118.5	4151.6	5084.2	5854.4	6553.4	7292.4
17.5°	675.8	1046.3	1524.7	2087.6	2684.9	3471.8	4605.3	5637.4	6485.0	7264.0	8186.5
15°	756.2	1154.5	1693.0	2294.7	2970.6	3876.6	5012.1	6145.6	7113.6	7990.0	9038.3
12.5°	829.6	1253.3	1855.2	2488.6	3239.6	4225.6	5353.7	6460.1	7524.0	8666.0	9855.8
10°	895.8	1342.1	2008.3	2667.6	3489.1	4520.8	5636.0	6722.4	7795.8	9004.3	10326.1
7.5°	966.8	1425.3	2147.4	2830.2	3716.1	4764.6	5861.5	6932.8	8015.3	9274.8	10631.8
5°	1032.5	1501.7	2257.9	2946.8	3891.5	4954.8	6031.1	7092.6	8182.0	9476.3	10863.3
2.5°	1090.1	1566.0	2347.9	3038.3	4021.5	5094.8	6141.4	7225.8	8305.7	9640.2	11040.1
0°	1139.1	1618.1	2416.5	3108.5	4119.8	5195.0	6206.3	7313.4	8378.0	9751.2	11156.4
-2.5°	1170.4	1703.6	2463.6	3230.9	4205.7	5260.6	6264.3	7337.9	8455.9	9786.4	11286.9
-5°	1192.4	1772.8	2492.1	3325.3	4261.8	5289.5	6283.5	7318.9	8476.6	9777.5	11306.2
-7.5°	1205.2	1821.6	2505.4	3378.9	4281.6	5272.1	6251.1	7282.9	8442.6	9744.1	11221.7
-10°	1212.6	1837.0	2523.5	3362.7	4255.6	5215.1	6179.1	7198.4	8346.0	9635.2	11061.1
-12.5°	1232.6	1827.2	2520.3	3327.0	4199.6	5128.9	6072.4	7064.4	8185.1	9449.5	10839.0
-15°	1237.6	1805.2	2490.1	3274.3	4114.1	5016.2	5932.5	6880.9	7986.7	9268.5	10593.5
-17.5°	1226.4	1772.1	2431.1	3207.1	3999.5	4879.4	5767.9	6715.5	7800.6	9059.9	10335.6
-20°	1198.0	1729.1	2342.0	3127.7	3863.5	4727.5	5603.1	6542.0	7586.6	8770.3	10047.0



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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°	1151.3	1677.3	2245.6	3016.9	3746.1	4553.1	5409.8	6305.7	7318.4	8394.8	9659.1
-25°	1103.1	1618.7	2169.7	2864.6	3604.7	4349.4	5187.7	6016.8	7003.5	8060.5	9182.5
-27.5°	1057.4	1536.9	2090.8	2697.7	3438.4	4131.9	4936.7	5745.3	6649.2	7685.2	8718.2
-30°	997.6	1448.5	1994.4	2537.4	3239.5	3927.0	4656.7	5452.5	6265.3	7248.5	8264.9
-32.5°	944.9	1356.6	1884.7	2415.1	3025.7	3696.3	4354.8	5113.3	5906.6	6744.7	7749.0
-35°	909.6	1302.3	1768.4	2274.1	2807.6	3445.4	4071.7	4730.7	5499.0	6285.6	7167.4
-37.5°	881.0	1239.8	1646.0	2126.9	2634.8	3182.2	3768.5	4374.9	5045.3	5838.3	6667.4
-40°	836.0	1169.5	1555.3	1986.7	2434.8	2932.5	3476.8	4025.7	4606.9	5381.6	6199.5
-42.5°	778.4	1101.4	1469.8	1834.2	2243.5	2697.9	3181.7	3698.6	4257.1	4930.0	5681.9
-45°	734.1	1014.4	1374.8	1701.1	2040.0	2455.5	2909.9	3378.1	3904.8	4482.6	5157.9
-47.5°	677.8	919.7	1250.5	1555.5	1854.0	2208.7	2624.2	3067.4	3534.0	4054.6	4608.1
-50°	617.6	840.7	1098.5	1395.4	1680.0	1975.0	2329.4	2739.2	3162.6	3616.3	4110.2
-52.5°	571.9	748.4	983.7	1230.8	1502.2	1769.7	2071.4	2422.8	2800.9	3180.0	3614.5
-55°	520.2	680.4	874.3	1095.9	1326.9	1574.5	1849.2	2157.1	2465.2	2813.6	3160.2
-57.5°	483.8	615.0	783.0	975.6	1183.1	1393.5	1652.9	1913.0	2198.4	2486.6	2774.2
-60°	455.4	558.5	697.9	867.4	1052.4	1249.1	1461.9	1702.2	1947.9	2183.2	2431.7
-62.5°	422.9	512.6	621.6	759.8	927.0	1098.1	1285.5	1491.4	1713.7	1911.8	2104.5
-65°	380.8	458.8	552.3	664.8	796.1	940.8	1100.4	1274.0	1466.1	1626.9	1784.3
-67.5°	332.5	398.1	476.6	568.5	677.9	790.9	908.1	1054.8	1210.8	1342.0	1470.2
-70°	271.7	332.5	396.5	471.5	557.3	653.0	756.2	862.7	969.4	1076.6	1193.9
-72.5°	208.0	263.2	317.6	371.1	439.4	517.8	601.9	691.3	784.5	876.1	965.3
-75°	158.5	194.4	241.9	290.1	337.6	388.6	445.5	516.6	603.2	692.1	773.5
-77.5°	119.7	149.8	181.5	214.6	244.6	282.2	323.3	367.5	439.0	521.0	603.8
-80°	86.4	104.4	129.6	156.2	177.3	198.1	219.7	242.0	295.2	361.3	431.8
-82.5°	64.1	76.4	90.4	105.9	116.5	126.8	138.3	153.2	192.6	237.2	284.3
-85°	44.1	47.8	55.3	63.9	69.9	75.9	82.1	88.4	109.6	133.5	159.0
-87.5°	38.1	39.9	41.9	44.1	44.9	45.6	46.3	47.0	54.1	61.6	69.4
-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: P628010 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-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°	42.6	45.3	47.9	50.6	53.2	55.9	58.6	61.2	63.9	63.9	63.9
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°	0.9	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	4.8	5.4	5.5	4.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	11.2	10.7	7.9	5.2	2.5	4.0	6.5	7.7	7.8	6.9	5.3
62.5°	16.8	15.5	14.0	16.2	19.4	22.4	21.5	20.3	18.9	18.0	18.6
60°	63.0	42.0	48.5	60.9	56.9	39.0	64.1	72.6	61.8	42.3	40.9
57.5°	159.6	154.0	176.4	257.7	283.6	258.5	308.8	375.0	373.0	321.2	319.5
55°	340.0	456.1	596.3	619.0	716.6	912.3	1064.5	997.8	997.4	1047.5	1209.3
52.5°	645.8	755.4	796.2	905.1	1109.1	1257.1	1352.2	1450.7	1558.6	1668.7	1780.3
50°	947.7	1054.1	1175.0	1286.5	1568.9	1720.8	1695.4	1899.4	2160.4	2323.4	2407.2
47.5°	1390.0	1557.8	1813.2	2213.4	2424.1	2576.4	2765.8	2996.8	3295.9	3701.5	4013.9
45°	1910.9	2174.8	2569.9	2995.0	3322.0	3471.0	3687.7	4045.5	4522.3	4986.6	5325.6
42.5°	2336.7	2698.6	3144.3	3550.5	3817.2	4061.9	4342.6	4644.2	5190.4	5686.3	6078.2
40°	2892.3	3174.1	3674.2	4057.1	4295.9	4538.4	4983.3	5434.8	5948.4	6410.4	6731.5
37.5°	3596.4	3913.7	4433.8	4866.8	5096.8	5182.5	5938.9	6567.6	6985.0	7574.8	7767.6
35°	4352.9	4875.1	5537.9	6099.4	6324.8	6774.7	7553.9	8431.0	9381.4	9730.9	10028.8
32.5°	5196.9	5841.1	6740.5	7343.0	7664.7	8347.4	9333.6	10269.9	11512.5	12186.8	12388.5
30°	5969.0	6708.2	7481.3	8066.9	8616.8	9439.1	10338.5	11492.9	12641.8	13504.1	13772.0
27.5°	6535.6	7353.5	8096.8	8645.2	9265.8	10152.3	11273.7	12442.6	13570.5	14450.2	14762.8
25°	7076.4	8001.1	8589.5	9227.2	9955.8	10922.0	12164.7	13463.5	14574.5	15318.0	15701.4
22.5°	7691.7	8603.3	9235.0	9775.2	10727.8	11841.2	12994.6	14462.4	15639.4	16232.7	16648.2
20°	8326.7	9358.1	10333.9	10836.3	11660.6	13070.3	14361.6	15747.2	16883.7	17502.0	17939.7
17.5°	9212.6	10527.1	11723.8	12435.3	13318.1	15003.6	16614.8	18016.4	19597.5	20155.9	20691.0
15°	10146.8	11668.1	13070.1	14197.3	15337.5	17007.5	19081.7	20773.1	22577.1	23382.8	24293.7
12.5°	11078.1	12517.6	13787.8	15241.9	16849.0	18326.2	20300.9	22407.1	24044.2	25071.7	25684.9
10°	11774.1	13111.1	14333.4	15791.0	17395.1	19066.1	21028.4	23187.4	24901.1	25777.9	26278.4
7.5°	12149.9	13429.6	14718.8	16195.9	17792.7	19572.4	21594.2	23736.3	25488.6	26338.1	26832.2
5°	12429.0	13658.0	14992.9	16547.8	18162.4	19966.9	21985.9	24102.5	25700.2	26603.0	27227.9
2.5°	12597.8	13802.8	15167.7	16775.2	18393.8	20273.3	22389.8	24583.7	25981.7	26708.0	27282.8
0°	12646.8	13860.4	15265.6	16894.3	18555.0	20449.9	22547.1	24718.7	26134.6	26837.2	27422.7
-2.5°	12701.9	13951.4	15395.2	16971.6	18618.2	20507.7	22648.4	24764.5	26038.1	26747.0	27304.1
-5°	12663.5	13958.5	15397.8	16907.7	18565.2	20439.6	22494.6	24473.2	25805.5	26572.0	27125.9
-7.5°	12549.0	13862.3	15286.8	16737.9	18363.8	20259.5	22305.9	24211.1	25560.8	26369.1	26975.1
-10°	12382.2	13657.3	15091.6	16561.1	18167.5	19972.1	21987.0	23880.8	25172.6	26030.8	26737.2
-12.5°	12197.4	13446.1	14828.5	16238.2	17826.9	19609.1	21561.3	23354.1	24638.2	25574.3	26079.1
-15°	11923.5	13171.5	14493.2	15856.6	17405.2	19134.2	20999.1	22719.1	23980.0	24741.7	25299.5
-17.5°	11575.2	12799.7	14052.7	15345.9	16804.9	18507.6	20383.8	22080.2	23108.1	23788.4	24336.6
-20°	11202.1	12334.4	13521.5	14741.9	16155.9	17842.7	19685.3	21165.0	22133.8	22787.4	23305.1



REPORT NUMBER: P628010 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	10775.9	11866.4	12953.0	14119.6	15506.2	17052.6	18680.2	20110.0	21151.7	21747.0	22225.4
-25°	10289.5	11350.2	12382.2	13508.9	14783.1	16173.2	17686.5	19091.7	20024.6	20657.0	21131.4
-27.5°	9765.6	10762.2	11770.2	12782.0	13927.6	15312.6	16714.1	18019.4	18815.8	19453.2	19930.4
-30°	9242.7	10139.1	11071.7	12029.6	13104.8	14353.5	15664.5	16762.2	17602.0	18221.3	18664.3
-32.5°	8676.0	9526.7	10352.9	11248.1	12260.5	13361.0	14511.5	15555.7	16453.1	17020.3	17393.7
-35°	8095.6	8919.1	9675.3	10487.9	11380.8	12330.6	13392.6	14422.3	15308.5	15757.4	16121.3
-37.5°	7491.1	8312.1	9029.1	9707.9	10477.2	11356.7	12391.1	13373.6	14139.2	14525.0	14853.1
-40°	6965.4	7688.2	8333.6	8983.1	9608.5	10389.6	11354.9	12306.2	12920.5	13296.4	13601.1
-42.5°	6455.0	7064.8	7593.3	8175.5	8801.4	9571.5	10350.4	11148.0	11641.7	12059.1	12380.0
-45°	5860.7	6405.7	6901.2	7385.6	7956.4	8659.4	9366.9	10005.9	10468.3	10871.6	11184.1
-47.5°	5203.3	5729.5	6210.7	6643.7	7174.3	7760.6	8356.3	8888.0	9344.7	9743.3	10022.1
-50°	4590.7	5060.8	5530.7	5968.9	6428.6	6903.0	7386.2	7852.9	8286.3	8673.6	8910.9
-52.5°	4041.8	4475.6	4886.3	5269.4	5671.7	6072.5	6472.6	6900.0	7298.9	7665.5	7854.9
-55°	3545.2	3936.4	4307.0	4629.7	4952.5	5270.4	5613.4	6008.0	6375.3	6714.8	6850.8
-57.5°	3099.5	3434.2	3762.2	4035.1	4298.6	4551.5	4852.7	5185.7	5507.2	5798.1	5909.4
-60°	2689.5	2955.1	3229.3	3471.5	3701.2	3918.0	4180.6	4448.8	4709.5	4928.9	5023.7
-62.5°	2312.3	2539.5	2747.3	2944.1	3138.7	3334.0	3545.9	3758.6	3969.2	4138.2	4223.7
-65°	1948.7	2129.6	2296.6	2458.4	2615.5	2779.4	2945.4	3107.1	3263.0	3383.8	3457.9
-67.5°	1607.4	1744.9	1877.4	2003.5	2135.0	2267.9	2397.7	2521.5	2638.6	2731.9	2802.8
-70°	1304.8	1411.2	1514.9	1619.3	1729.0	1832.3	1930.1	2022.8	2109.9	2177.2	2231.8
-72.5°	1051.8	1138.1	1227.6	1321.7	1410.3	1487.6	1557.8	1625.6	1690.4	1728.4	1756.8
-75°	848.0	920.7	998.6	1074.6	1148.7	1207.4	1259.0	1308.9	1357.0	1359.5	1349.9
-77.5°	685.0	750.0	810.3	870.0	929.2	965.3	997.0	1029.5	1062.3	1043.3	1013.2
-80°	502.8	556.9	608.0	659.5	710.9	732.3	747.3	760.3	771.2	746.4	715.6
-82.5°	333.6	367.7	401.0	434.9	469.2	482.9	493.2	501.6	508.3	485.9	459.9
-85°	186.1	202.5	218.6	234.9	251.1	260.8	269.5	277.6	285.0	271.6	256.4
-87.5°	77.4	81.1	84.8	88.3	91.8	95.2	98.6	101.8	105.0	105.5	105.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P628010 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	61.2
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°	0.0	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°	3.1	0.5	0.0	0.0	0.0	0.5	3.1	5.3	6.9	7.8	7.7
62.5°	19.5	20.4	21.1	21.3	21.1	20.4	19.5	18.6	18.0	18.9	20.3
60°	37.6	32.9	31.8	31.9	31.8	32.9	37.6	40.9	42.3	61.8	72.6
57.5°	295.1	252.6	259.0	287.4	259.0	252.6	295.1	319.5	321.2	373.0	375.0
55°	1379.1	1539.5	1596.1	1564.9	1596.1	1539.5	1379.1	1209.3	1047.5	997.4	997.8
52.5°	1868.5	1934.3	1959.7	1958.8	1959.7	1934.3	1868.5	1780.3	1668.7	1558.6	1450.7
50°	2432.5	2410.3	2376.0	2342.0	2376.0	2410.3	2432.5	2407.2	2323.4	2160.4	1899.4
47.5°	4059.6	3989.3	3959.6	4013.3	3959.6	3989.3	4059.6	4013.9	3701.5	3295.9	2996.8
45°	5394.8	5477.2	5538.8	5535.6	5538.8	5477.2	5394.8	5325.6	4986.6	4522.3	4045.5
42.5°	6155.0	6198.8	6211.6	6195.7	6211.6	6198.8	6155.0	6078.2	5686.3	5190.4	4644.2
40°	6832.5	6884.8	6914.3	6940.8	6914.3	6884.8	6832.5	6731.5	6410.4	5948.4	5434.8
37.5°	7831.2	7850.4	7808.6	7781.8	7808.6	7850.4	7831.2	7767.6	7574.8	6985.0	6567.6
35°	10280.0	10330.2	10214.0	10336.7	10214.0	10330.2	10280.0	10028.8	9730.9	9381.4	8431.0
32.5°	12628.5	12863.6	13053.7	13211.0	13053.7	12863.6	12628.5	12388.5	12186.8	11512.5	10269.9
30°	13958.9	14110.5	14192.0	14211.7	14192.0	14110.5	13958.9	13772.0	13504.1	12641.8	11492.9
27.5°	14935.6	15094.6	15193.5	15265.6	15193.5	15094.6	14935.6	14762.8	14450.2	13570.5	12442.6
25°	15877.0	16022.4	16121.3	16159.8	16121.3	16022.4	15877.0	15701.4	15318.0	14574.5	13463.5
22.5°	16853.9	16954.9	17049.9	17096.6	17049.9	16954.9	16853.9	16648.2	16232.7	15639.4	14462.4
20°	18254.2	18199.3	18286.1	18257.0	18286.1	18199.3	18254.2	17939.7	17502.0	16883.7	15747.2
17.5°	21108.1	21137.7	21195.6	21290.9	21195.6	21137.7	21108.1	20691.0	20155.9	19597.5	18016.4
15°	24697.2	24769.4	25136.5	25463.9	25136.5	24769.4	24697.2	24293.7	23382.8	22577.1	20773.1
12.5°	26254.0	26503.9	26542.7	26634.9	26542.7	26503.9	26254.0	25684.9	25071.7	24044.2	22407.1
10°	26773.5	27206.3	27197.0	27305.6	27197.0	27206.3	26773.5	26278.4	25777.9	24901.1	23187.4
7.5°	27167.6	27632.4	27828.8	27912.4	27828.8	27632.4	27167.6	26832.2	26338.1	25488.6	23736.3
5°	27649.0	27904.5	28243.5	28146.6	28243.5	27904.5	27649.0	27227.9	26603.0	25700.2	24102.5
2.5°	27850.7	28251.0	28158.6	28253.0	28158.6	28251.0	27850.7	27282.8	26708.0	25981.7	24583.7
0°	27986.9	28274.3	28316.9	28412.7	28316.9	28274.3	27986.9	27422.7	26837.2	26134.6	24718.7
-2.5°	27821.8	28074.8	28517.7	28380.8	28517.7	28074.8	27821.8	27304.1	26747.0	26038.1	24764.5
-5°	27677.1	28299.7	28057.9	28359.5	28057.9	28299.7	27677.1	27125.9	26572.0	25805.5	24473.2
-7.5°	27602.3	27713.7	27874.1	28104.0	27874.1	27713.7	27602.3	26975.1	26369.1	25560.8	24211.1
-10°	27024.5	27138.4	27433.3	27593.0	27433.3	27138.4	27024.5	26737.2	26030.8	25172.6	23880.8
-12.5°	26397.9	26618.4	26928.1	27028.8	26928.1	26618.4	26397.9	26079.1	25574.3	24638.2	23354.1
-15°	25676.1	26003.5	26305.4	26368.8	26305.4	26003.5	25676.1	25299.5	24741.7	23980.0	22719.1
-17.5°	24758.1	25150.8	25468.0	25538.4	25468.0	25150.8	24758.1	24336.6	23788.4	23108.1	22080.2
-20°	23746.7	24122.8	24392.6	24473.9	24392.6	24122.8	23746.7	23305.1	22787.4	22133.8	21165.0



REPORT NUMBER: P628010 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-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°	22663.9	23002.5	23230.6	23196.4	23230.6	23002.5	22663.9	22225.4	21747.0	21151.7	20110.0
-25°	21514.1	21828.4	22045.7	22014.8	22045.7	21828.4	21514.1	21131.4	20657.0	20024.6	19091.7
-27.5°	20298.7	20596.4	20805.2	20811.9	20805.2	20596.4	20298.7	19930.4	19453.2	18815.8	18019.4
-30°	19021.5	19291.9	19461.5	19396.0	19461.5	19291.9	19021.5	18664.3	18221.3	17602.0	16762.2
-32.5°	17704.2	17948.8	18104.2	18150.5	18104.2	17948.8	17704.2	17393.7	17020.3	16453.1	15555.7
-35°	16404.9	16620.5	16754.7	16787.9	16754.7	16620.5	16404.9	16121.3	15757.4	15308.5	14422.3
-37.5°	15114.0	15299.5	15393.2	15350.7	15393.2	15299.5	15114.0	14853.1	14525.0	14139.2	13373.6
-40°	13838.2	14014.9	14122.3	14147.8	14122.3	14014.9	13838.2	13601.1	13296.4	12920.5	12306.2
-42.5°	12583.9	12730.8	12825.1	12870.4	12825.1	12730.8	12583.9	12380.0	12059.1	11641.7	11148.0
-45°	11366.6	11497.9	11586.4	11635.5	11586.4	11497.9	11366.6	11184.1	10871.6	10468.3	10005.9
-47.5°	10182.3	10297.4	10373.7	10411.3	10373.7	10297.4	10182.3	10022.1	9743.3	9344.7	8888.0
-50°	9049.7	9149.5	9220.6	9261.5	9220.6	9149.5	9049.7	8910.9	8673.6	8286.3	7852.9
-52.5°	7975.6	8062.7	8123.4	8154.4	8123.4	8062.7	7975.6	7854.9	7665.5	7298.9	6900.0
-55°	6950.0	7020.7	7076.8	7111.2	7076.8	7020.7	6950.0	6850.8	6714.8	6375.3	6008.0
-57.5°	5993.7	6051.4	6104.5	6142.4	6104.5	6051.4	5993.7	5909.4	5798.1	5507.2	5185.7
-60°	5098.4	5152.9	5198.2	5226.9	5198.2	5152.9	5098.4	5023.7	4928.9	4709.5	4448.8
-62.5°	4290.6	4338.8	4380.2	4407.2	4380.2	4338.8	4290.6	4223.7	4138.2	3969.2	3758.6
-65°	3516.2	3559.4	3590.3	3608.8	3590.3	3559.4	3516.2	3457.9	3383.8	3263.0	3107.1
-67.5°	2863.3	2913.1	2923.0	2916.9	2923.0	2913.1	2863.3	2802.8	2731.9	2638.6	2521.5
-70°	2280.6	2322.8	2332.7	2331.4	2332.7	2322.8	2280.6	2231.8	2177.2	2109.9	2022.8
-72.5°	1783.2	1806.2	1786.7	1756.5	1786.7	1806.2	1783.2	1756.8	1728.4	1690.4	1625.6
-75°	1338.1	1323.5	1302.8	1277.5	1302.8	1323.5	1338.1	1349.9	1359.5	1357.0	1308.9
-77.5°	980.0	943.7	920.0	894.2	920.0	943.7	980.0	1013.2	1043.3	1062.3	1029.5
-80°	682.4	646.9	622.3	596.1	622.3	646.9	682.4	715.6	746.4	771.2	760.3
-82.5°	432.2	403.0	388.2	372.6	388.2	403.0	432.2	459.9	485.9	508.3	501.6
-85°	240.1	222.8	212.8	202.3	212.8	222.8	240.1	256.4	271.6	285.0	277.6
-87.5°	106.1	106.3	101.1	95.8	101.1	106.3	106.1	105.9	105.5	105.0	101.8
-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: P628010 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-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°	58.6	55.9	53.2	50.6	47.9	45.3	42.6	39.9	37.3	34.6	31.9
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	0.3	0.3	0.0	0.0	0.9	1.3	0.5	0.0	1.1
67.5°	0.0	0.0	1.9	4.4	5.5	5.4	4.8	5.4	6.3	5.7	5.4
65°	6.5	4.0	2.5	5.2	7.9	10.7	11.2	9.8	9.6	11.0	13.1
62.5°	21.5	22.4	19.4	16.2	14.0	15.5	16.8	18.0	15.7	12.5	16.5
60°	64.1	39.0	56.9	60.9	48.5	42.0	63.0	59.8	31.1	26.8	24.1
57.5°	308.8	258.5	283.6	257.7	176.4	154.0	159.6	152.2	137.8	84.4	36.0
55°	1064.5	912.3	716.6	619.0	596.3	456.1	340.0	283.8	257.4	185.8	123.1
52.5°	1352.2	1257.1	1109.1	905.1	796.2	755.4	645.8	516.7	410.5	328.3	235.7
50°	1695.4	1720.8	1568.9	1286.5	1175.0	1054.1	947.7	798.3	663.8	532.4	392.9
47.5°	2765.8	2576.4	2424.1	2213.4	1813.2	1557.8	1390.0	1145.3	960.9	801.9	629.9
45°	3687.7	3471.0	3322.0	2995.0	2569.9	2174.8	1910.9	1604.2	1277.9	1065.1	909.0
42.5°	4342.6	4061.9	3817.2	3550.5	3144.3	2698.6	2336.7	2033.2	1690.1	1345.3	1137.6
40°	4983.3	4538.4	4295.9	4057.1	3674.2	3174.1	2892.3	2446.7	2088.3	1706.1	1422.5
37.5°	5938.9	5182.5	5096.8	4866.8	4433.8	3913.7	3596.4	3156.9	2492.3	2131.9	1805.9
35°	7553.9	6774.7	6324.8	6099.4	5537.9	4875.1	4352.9	3942.4	3283.0	2573.3	2197.6
32.5°	9333.6	8347.4	7664.7	7343.0	6740.5	5841.1	5196.9	4674.7	4012.9	3209.8	2607.2
30°	10338.5	9439.1	8616.8	8066.9	7481.3	6708.2	5969.0	5231.6	4513.2	3848.6	3051.1
27.5°	11273.7	10152.3	9265.8	8645.2	8096.8	7353.5	6535.6	5745.3	4955.7	4299.1	3587.8
25°	12164.7	10922.0	9955.8	9227.2	8589.5	8001.1	7076.4	6212.9	5389.4	4663.6	4107.3
22.5°	12994.6	11841.2	10727.8	9775.2	9235.0	8603.3	7691.7	6645.7	5841.2	5230.7	4575.9
20°	14361.6	13070.3	11660.6	10836.3	10333.9	9358.1	8326.7	7292.4	6553.4	5854.4	5084.2
17.5°	16614.8	15003.6	13318.1	12435.3	11723.8	10527.1	9212.6	8186.5	7264.0	6485.0	5637.4
15°	19081.7	17007.5	15337.5	14197.3	13070.1	11668.1	10146.8	9038.3	7990.0	7113.6	6145.6
12.5°	20300.9	18326.2	16849.0	15241.9	13787.8	12517.6	11078.1	9855.8	8666.0	7524.0	6460.1
10°	21028.4	19066.1	17395.1	15791.0	14333.4	13111.1	11774.1	10326.1	9004.3	7795.8	6722.4
7.5°	21594.2	19572.4	17792.7	16195.9	14718.8	13429.6	12149.9	10631.8	9274.8	8015.3	6932.8
5°	21985.9	19966.9	18162.4	16547.8	14992.9	13658.0	12429.0	10863.3	9476.3	8182.0	7092.6
2.5°	22389.8	20273.3	18393.8	16775.2	15167.7	13802.8	12597.8	11040.1	9640.2	8305.7	7225.8
0°	22547.1	20449.9	18555.0	16894.3	15265.6	13860.4	12646.8	11156.4	9751.2	8378.0	7313.4
-2.5°	22648.4	20507.7	18618.2	16971.6	15395.2	13951.4	12701.9	11286.9	9786.4	8455.9	7337.9
-5°	22494.6	20439.6	18565.2	16907.7	15397.8	13958.5	12663.5	11306.2	9777.5	8476.6	7318.9
-7.5°	22305.9	20259.5	18363.8	16737.9	15286.8	13862.3	12549.0	11221.7	9744.1	8442.6	7282.9
-10°	21987.0	19972.1	18167.5	16561.1	15091.6	13657.3	12382.2	11061.1	9635.2	8346.0	7198.4
-12.5°	21561.3	19609.1	17826.9	16238.2	14828.5	13446.1	12197.4	10839.0	9449.5	8185.1	7064.4
-15°	20999.1	19134.2	17405.2	15856.6	14493.2	13171.5	11923.5	10593.5	9268.5	7986.7	6880.9
-17.5°	20383.8	18507.6	16804.9	15345.9	14052.7	12799.7	11575.2	10335.6	9059.9	7800.6	6715.5
-20°	19685.3	17842.7	16155.9	14741.9	13521.5	12334.4	11202.1	10047.0	8770.3	7586.6	6542.0



REPORT NUMBER: P628010 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	18680.2	17052.6	15506.2	14119.6	12953.0	11866.4	10775.9	9659.1	8394.8	7318.4	6305.7
-25°	17686.5	16173.2	14783.1	13508.9	12382.2	11350.2	10289.5	9182.5	8060.5	7003.5	6016.8
-27.5°	16714.1	15312.6	13927.6	12782.0	11770.2	10762.2	9765.6	8718.2	7685.2	6649.2	5745.3
-30°	15664.5	14353.5	13104.8	12029.6	11071.7	10139.1	9242.7	8264.9	7248.5	6265.3	5452.5
-32.5°	14511.5	13361.0	12260.5	11248.1	10352.9	9526.7	8676.0	7749.0	6744.7	5906.6	5113.3
-35°	13392.6	12330.6	11380.8	10487.9	9675.3	8919.1	8095.6	7167.4	6285.6	5499.0	4730.7
-37.5°	12391.1	11356.7	10477.2	9707.9	9029.1	8312.1	7491.1	6667.4	5838.3	5045.3	4374.9
-40°	11354.9	10389.6	9608.5	8983.1	8333.6	7688.2	6965.4	6199.5	5381.6	4606.9	4025.7
-42.5°	10350.4	9571.5	8801.4	8175.5	7593.3	7064.8	6455.0	5681.9	4930.0	4257.1	3698.6
-45°	9366.9	8659.4	7956.4	7385.6	6901.2	6405.7	5860.7	5157.9	4482.6	3904.8	3378.1
-47.5°	8356.3	7760.6	7174.3	6643.7	6210.7	5729.5	5203.3	4608.1	4054.6	3534.0	3067.4
-50°	7386.2	6903.0	6428.6	5968.9	5530.7	5060.8	4590.7	4110.2	3616.3	3162.6	2739.2
-52.5°	6472.6	6072.5	5671.7	5269.4	4886.3	4475.6	4041.8	3614.5	3180.0	2800.9	2422.8
-55°	5613.4	5270.4	4952.5	4629.7	4307.0	3936.4	3545.2	3160.2	2813.6	2465.2	2157.1
-57.5°	4852.7	4551.5	4298.6	4035.1	3762.2	3434.2	3099.5	2774.2	2486.6	2198.4	1913.0
-60°	4180.6	3918.0	3701.2	3471.5	3229.3	2955.1	2689.5	2431.7	2183.2	1947.9	1702.2
-62.5°	3545.9	3334.0	3138.7	2944.1	2747.3	2539.5	2312.3	2104.5	1911.8	1713.7	1491.4
-65°	2945.4	2779.4	2615.5	2458.4	2296.6	2129.6	1948.7	1784.3	1626.9	1466.1	1274.0
-67.5°	2397.7	2267.9	2135.0	2003.5	1877.4	1744.9	1607.4	1470.2	1342.0	1210.8	1054.8
-70°	1930.1	1832.3	1729.0	1619.3	1514.9	1411.2	1304.8	1193.9	1076.6	969.4	862.7
-72.5°	1557.8	1487.6	1410.3	1321.7	1227.6	1138.1	1051.8	965.3	876.1	784.5	691.3
-75°	1259.0	1207.4	1148.7	1074.6	998.6	920.7	848.0	773.5	692.1	603.2	516.6
-77.5°	997.0	965.3	929.2	870.0	810.3	750.0	685.0	603.8	521.0	439.0	367.5
-80°	747.3	732.3	710.9	659.5	608.0	556.9	502.8	431.8	361.3	295.2	242.0
-82.5°	493.2	482.9	469.2	434.9	401.0	367.7	333.6	284.3	237.2	192.6	153.2
-85°	269.5	260.8	251.1	234.9	218.6	202.5	186.1	159.0	133.5	109.6	88.4
-87.5°	98.6	95.2	91.8	88.3	84.8	81.1	77.4	69.4	61.6	54.1	47.0
-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: P628010 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA6E-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°	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	29.3	26.6	24.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.5	5.6
85°	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.6	1.7	3.2
82.5°	0.0	0.0	0.0	0.2	1.8	2.7	3.1	2.8	1.5	0.2	0.8
80°	0.0	0.0	0.0	0.3	2.6	5.7	7.0	7.2	5.6	3.8	2.1
77.5°	0.0	0.0	0.0	0.1	1.1	3.1	6.0	9.6	9.5	7.4	5.2
75°	0.0	0.0	0.0	0.4	0.7	0.2	2.2	5.6	8.6	10.5	8.3
72.5°	0.0	0.0	0.0	1.3	2.8	3.0	1.8	1.8	6.1	9.0	10.5
70°	1.6	0.6	0.0	1.8	4.3	6.5	6.0	4.9	4.0	7.8	10.0
67.5°	5.0	5.3	4.0	3.0	4.8	7.3	9.9	9.5	8.2	6.9	9.8
65°	12.4	11.5	10.4	9.3	8.0	7.8	10.3	13.1	12.4	10.6	9.7
62.5°	18.6	18.5	17.1	15.5	13.8	12.0	11.0	14.6	16.1	14.3	12.0
60°	23.9	25.0	23.8	21.7	19.6	17.4	15.8	16.6	18.5	18.0	15.2
57.5°	33.1	32.2	31.7	28.8	25.4	22.7	21.3	20.8	21.3	21.1	18.4
55°	58.4	40.6	40.9	37.8	32.5	28.0	26.9	25.9	24.7	24.3	21.6
52.5°	147.9	82.1	52.7	48.6	42.3	34.7	32.4	30.9	29.3	27.7	24.6
50°	273.1	176.8	100.2	62.8	53.5	45.6	37.8	35.9	33.8	31.5	27.7
47.5°	437.0	303.9	197.5	99.1	69.1	57.0	47.4	40.9	38.3	35.5	30.6
45°	673.2	447.8	310.5	196.2	92.1	78.7	58.6	45.8	42.7	39.3	33.6
42.5°	936.6	657.1	435.6	296.3	175.9	109.0	70.1	55.6	47.1	43.2	36.8
40°	1195.0	908.1	585.1	408.6	265.4	146.1	100.9	66.4	51.6	47.5	40.4
37.5°	1480.9	1173.6	819.6	528.3	356.6	222.9	138.3	77.4	58.6	51.9	44.2
35°	1834.4	1468.1	1054.4	703.9	472.2	294.3	179.8	98.5	72.0	56.6	48.1
32.5°	2187.5	1762.2	1308.0	908.1	593.1	360.0	233.9	140.5	87.8	61.4	52.0
30°	2542.9	2031.5	1546.8	1097.0	732.2	465.5	292.2	181.4	105.7	66.5	56.1
27.5°	2862.8	2285.7	1770.4	1294.4	895.3	577.0	353.1	221.0	125.6	75.3	60.2
25°	3224.2	2560.5	1990.5	1483.1	1044.4	693.2	415.6	259.7	154.8	90.7	64.4
22.5°	3689.2	2842.7	2194.4	1654.2	1192.1	804.3	496.0	311.0	186.8	107.0	68.6
20°	4151.6	3118.5	2394.2	1868.6	1352.8	929.4	589.0	361.9	217.2	123.8	72.8
17.5°	4605.3	3471.8	2684.9	2087.6	1524.7	1046.3	675.8	411.9	245.8	141.0	76.9
15°	5012.1	3876.6	2970.6	2294.7	1693.0	1154.5	756.2	460.5	272.6	158.2	82.3
12.5°	5353.7	4225.6	3239.6	2488.6	1855.2	1253.3	829.6	507.1	297.5	177.4	89.7
10°	5636.0	4520.8	3489.1	2667.6	2008.3	1342.1	895.8	553.8	326.5	197.6	97.4
7.5°	5861.5	4764.6	3716.1	2830.2	2147.4	1425.3	966.8	603.0	354.6	216.9	105.3
5°	6031.1	4954.8	3891.5	2946.8	2257.9	1501.7	1032.5	648.2	380.7	235.0	113.1
2.5°	6141.4	5094.8	4021.5	3038.3	2347.9	1566.0	1090.1	688.7	404.6	251.5	120.7
0°	6206.3	5195.0	4119.8	3108.5	2416.5	1618.1	1139.1	723.9	425.8	266.1	127.7
-2.5°	6264.3	5260.6	4205.7	3230.9	2463.6	1703.6	1170.4	755.6	459.4	276.7	140.7
-5°	6283.5	5289.5	4261.8	3325.3	2492.1	1772.8	1192.4	781.5	488.9	285.2	152.6
-7.5°	6251.1	5272.1	4281.6	3378.9	2505.4	1821.6	1205.2	801.8	512.9	291.8	163.0
-10°	6179.1	5215.1	4255.6	3362.7	2523.5	1837.0	1212.6	816.7	530.3	296.7	171.6
-12.5°	6072.4	5128.9	4199.6	3327.0	2520.3	1827.2	1232.6	828.3	539.4	300.1	178.0
-15°	5932.5	5016.2	4114.1	3274.3	2490.1	1805.2	1237.6	832.6	538.4	306.4	181.9
-17.5°	5767.9	4879.4	3999.5	3207.1	2431.1	1772.1	1226.4	827.4	533.0	315.5	185.8
-20°	5603.1	4727.5	3863.5	3127.7	2342.0	1729.1	1198.0	812.2	523.2	321.5	189.6

Classified

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
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Scaled Data Report



REPORT NUMBER: P628010 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-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°	5409.8	4553.1	3746.1	3016.9	2245.6	1677.3	1151.3	786.4	509.3	324.1	191.3
-25°	5187.7	4349.4	3604.7	2864.6	2169.7	1618.7	1103.1	749.6	491.2	323.2	190.7
-27.5°	4936.7	4131.9	3438.4	2697.7	2090.8	1536.9	1057.4	722.7	475.8	318.6	187.9
-30°	4656.7	3927.0	3239.5	2537.4	1994.4	1448.5	997.6	692.4	468.9	312.7	182.6
-32.5°	4354.8	3696.3	3025.7	2415.1	1884.7	1356.6	944.9	658.3	457.2	305.1	182.9
-35°	4071.7	3445.4	2807.6	2274.1	1768.4	1302.3	909.6	620.3	440.7	294.5	183.9
-37.5°	3768.5	3182.2	2634.8	2126.9	1646.0	1239.8	881.0	603.4	419.3	280.9	183.2
-40°	3476.8	2932.5	2434.8	1986.7	1555.3	1169.5	836.0	584.5	398.8	264.3	180.8
-42.5°	3181.7	2697.9	2243.5	1834.2	1469.8	1101.4	778.4	555.5	382.3	254.8	176.6
-45°	2909.9	2455.5	2040.0	1701.1	1374.8	1014.4	734.1	519.1	362.0	247.9	172.8
-47.5°	2624.2	2208.7	1854.0	1555.5	1250.5	919.7	677.8	490.4	337.5	239.0	170.4
-50°	2329.4	1975.0	1680.0	1395.4	1098.5	840.7	617.6	456.2	328.8	232.0	166.2
-52.5°	2071.4	1769.7	1502.2	1230.8	983.7	748.4	571.9	419.5	317.2	226.0	160.3
-55°	1849.2	1574.5	1326.9	1095.9	874.3	680.4	520.2	402.0	302.8	218.6	153.1
-57.5°	1652.9	1393.5	1183.1	975.6	783.0	615.0	483.8	381.3	287.7	208.3	146.6
-60°	1461.9	1249.1	1052.4	867.4	697.9	558.5	455.4	357.4	269.7	195.3	139.4
-62.5°	1285.5	1098.1	927.0	759.8	621.6	512.6	422.9	329.6	248.5	179.1	129.9
-65°	1100.4	940.8	796.1	664.8	552.3	458.8	380.8	298.0	220.5	159.5	117.7
-67.5°	908.1	790.9	677.9	568.5	476.6	398.1	332.5	256.0	187.7	136.8	103.3
-70°	756.2	653.0	557.3	471.5	396.5	332.5	271.7	206.9	151.4	117.2	88.1
-72.5°	601.9	517.8	439.4	371.1	317.6	263.2	208.0	158.3	125.5	96.7	72.0
-75°	445.5	388.6	337.6	290.1	241.9	194.4	158.5	125.9	98.9	75.3	60.7
-77.5°	323.3	282.2	244.6	214.6	181.5	149.8	119.7	92.4	74.9	62.5	51.0
-80°	219.7	198.1	177.3	156.2	129.6	104.4	86.4	71.1	60.4	50.3	41.1
-82.5°	138.3	126.8	116.5	105.9	90.4	76.4	64.1	53.6	45.5	38.0	33.4
-85°	82.1	75.9	69.9	63.9	55.3	47.8	44.1	40.8	37.3	33.8	30.3
-87.5°	46.3	45.6	44.9	44.1	41.9	39.9	38.1	36.4	33.3	30.2	27.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	5.3	7.9



REPORT NUMBER: P628010 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA6E-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	21.3	18.6	16.0	13.3	10.6	10.6	10.6
87.5°	7.9	8.9	9.7	10.3	10.6	10.6	10.6
85°	5.1	7.2	8.8	9.9	10.6	10.6	10.6
82.5°	2.5	5.5	7.9	9.6	10.6	10.6	10.6
80°	0.5	3.9	7.0	9.3	10.6	10.6	10.6
77.5°	3.3	3.5	6.2	9.0	10.6	10.6	10.6
75°	5.9	5.2	5.8	8.8	10.6	10.6	10.6
72.5°	8.5	6.9	6.7	8.5	10.6	10.6	10.6
70°	10.6	8.4	7.6	8.5	10.6	10.6	10.6
67.5°	10.9	9.9	8.5	8.8	10.6	10.6	10.6
65°	11.3	11.0	9.2	9.2	10.6	10.6	10.6
62.5°	11.9	11.8	9.9	9.5	10.6	10.6	10.6
60°	12.6	12.7	10.6	9.8	10.6	10.6	10.6
57.5°	15.1	13.8	11.6	10.0	10.7	10.6	10.6
55°	17.8	14.9	12.7	10.3	10.9	10.6	10.6
52.5°	20.5	16.3	13.8	10.4	11.1	10.6	10.6
50°	23.1	18.5	15.0	10.5	11.3	10.6	10.6
47.5°	25.7	20.6	16.2	10.8	11.6	10.6	10.6
45°	28.1	22.7	17.5	11.8	11.9	10.6	10.6
42.5°	30.6	24.7	18.9	12.8	12.2	10.6	10.6
40°	33.0	26.7	20.3	14.1	12.6	10.6	10.6
37.5°	35.3	28.6	21.9	15.5	13.0	10.6	10.6
35°	37.5	30.4	23.3	16.9	13.5	10.6	10.6
32.5°	40.0	32.2	24.8	18.3	14.0	10.6	10.6
30°	43.1	33.9	26.1	19.6	14.5	10.6	10.6
27.5°	46.3	35.6	27.8	20.9	15.0	10.6	10.6
25°	49.5	37.1	29.5	22.1	15.6	10.6	10.6
22.5°	52.6	38.8	31.1	23.3	16.2	10.6	10.6
20°	55.6	40.7	32.6	24.5	16.8	10.6	10.6
17.5°	58.7	42.6	34.1	25.6	17.4	10.6	10.6
15°	61.6	44.4	35.5	26.7	18.0	10.6	10.6
12.5°	64.4	46.1	36.9	27.7	18.6	10.6	10.6
10°	66.9	47.7	38.2	28.6	19.2	10.6	10.6
7.5°	69.1	49.2	39.4	29.5	19.7	10.6	10.6
5°	71.2	50.6	40.6	30.4	20.3	10.6	10.6
2.5°	73.0	52.0	41.6	31.2	20.8	10.6	10.6
0°	74.5	53.2	42.6	31.9	21.3	10.6	10.6
-2.5°	78.6	54.3	43.5	31.9	21.3	10.6	10.6
-5°	82.4	55.4	44.3	31.8	21.2	10.6	10.6
-7.5°	85.8	56.3	44.9	31.6	21.1	10.6	10.6
-10°	88.5	57.1	45.4	31.4	21.0	10.6	10.6
-12.5°	90.6	57.8	45.8	31.1	20.8	10.6	10.6
-15°	91.9	58.4	45.9	30.8	20.6	10.6	10.6
-17.5°	92.4	58.9	45.8	30.4	20.3	10.6	10.6
-20°	94.8	59.2	45.5	30.0	20.0	10.6	10.6

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CATALOG NUMBER: GFLD-SA6E-740-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	100.8	59.4	45.0	29.5	19.7	10.6	10.6
-25°	105.8	63.4	44.2	28.9	19.3	10.6	10.6
-27.5°	109.7	68.3	43.1	28.3	18.9	10.6	10.6
-30°	112.3	72.6	42.1	27.6	18.4	10.6	10.6
-32.5°	113.8	76.1	43.6	26.9	17.9	10.6	10.6
-35°	116.8	78.8	44.7	26.1	17.4	10.6	10.6
-37.5°	119.9	80.6	45.5	25.3	16.9	10.6	10.6
-40°	121.8	81.2	45.8	24.4	16.3	10.6	10.6
-42.5°	122.5	81.3	46.1	23.9	15.7	10.6	10.6
-45°	121.9	80.7	46.4	24.1	15.0	10.6	10.6
-47.5°	120.0	79.4	46.0	23.9	14.3	10.6	10.6
-50°	117.5	77.6	45.2	23.6	13.6	10.6	10.6
-52.5°	114.2	75.2	43.8	23.1	12.9	10.6	10.6
-55°	110.1	72.1	42.0	22.5	12.2	10.6	10.6
-57.5°	105.3	68.2	39.6	21.7	11.4	10.6	10.6
-60°	99.4	63.6	36.8	20.7	10.6	10.6	10.6
-62.5°	91.4	58.2	34.8	19.6	10.6	10.6	10.6
-65°	82.4	52.1	32.5	18.3	10.6	10.6	10.6
-67.5°	72.5	46.9	30.0	16.9	10.6	10.6	10.6
-70°	61.8	42.5	27.3	15.3	10.6	10.6	10.6
-72.5°	54.5	37.9	24.3	15.0	10.6	10.6	10.6
-75°	47.5	33.0	21.2	14.8	10.6	10.6	10.6
-77.5°	40.1	27.9	20.1	14.7	10.6	10.6	10.6
-80°	32.4	25.1	19.3	14.5	10.6	10.6	10.6
-82.5°	29.3	23.6	18.6	14.2	10.6	10.6	10.6
-85°	26.7	22.0	17.7	13.9	10.6	10.6	10.6
-87.5°	24.0	20.3	16.9	13.6	10.6	10.6	10.6
-90°	10.6	10.6	10.6	10.6	10.6	10.6	10.6

(END OF REPORT)