

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: P627390 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4C-730-U-VWR-VSR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627390 (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-730-U-VWR-VSR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR  
Light Source: (64) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

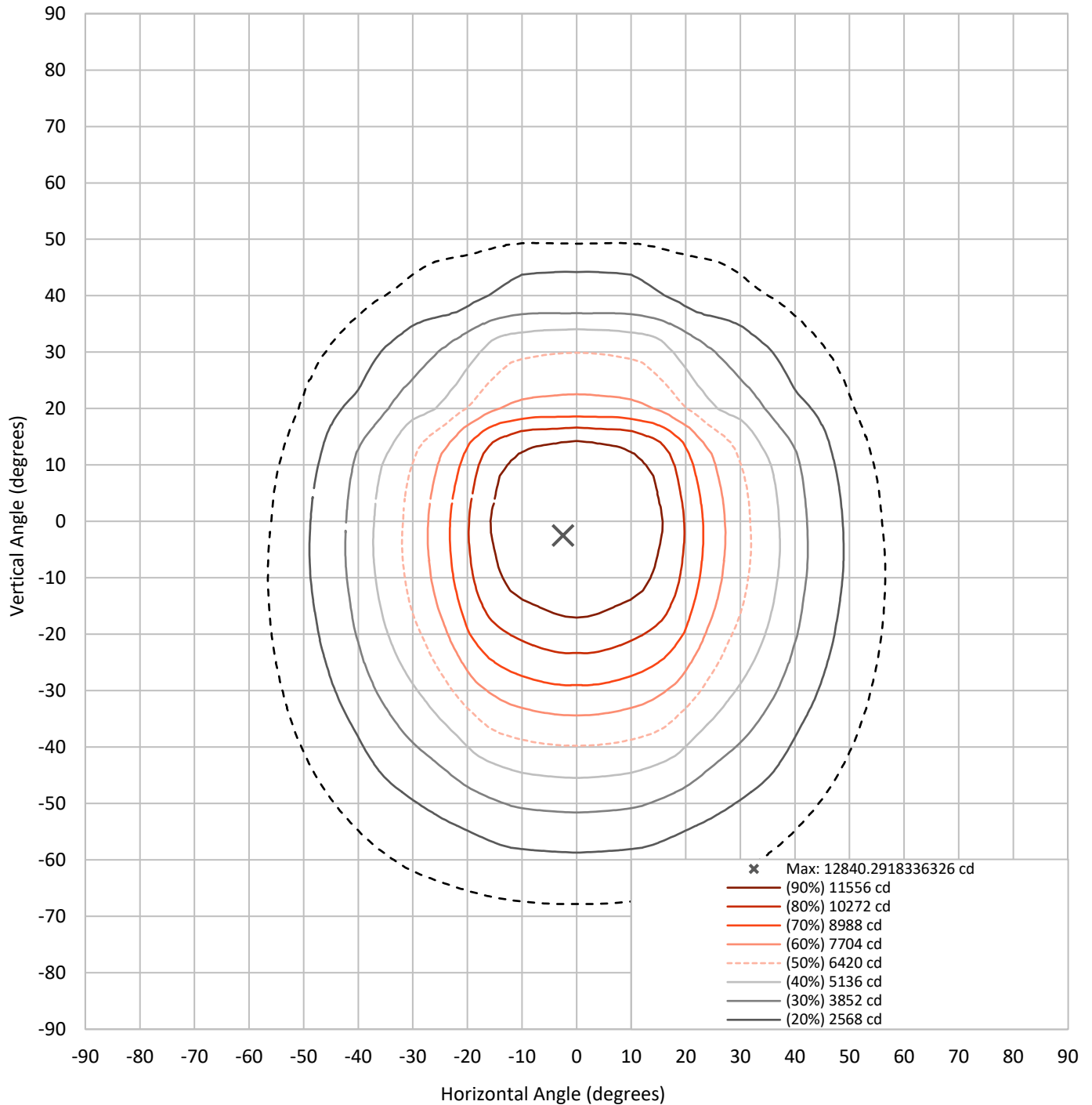
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	17135.8 lumens	Max Intensity:	12840.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	101.9 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:	9914.2 lumens	Field Lumens:	16260.8 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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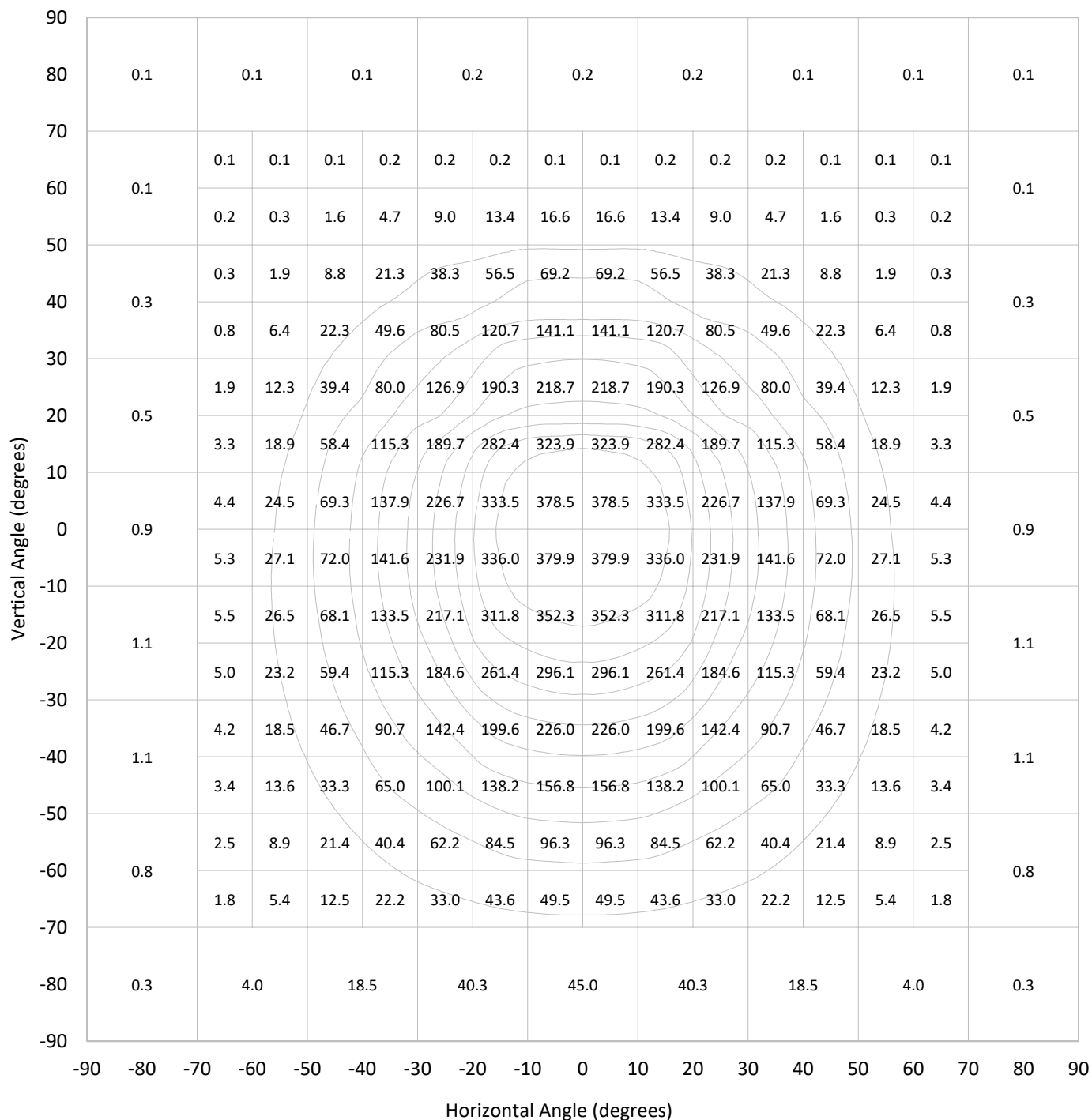
### Iso-Candela Plot





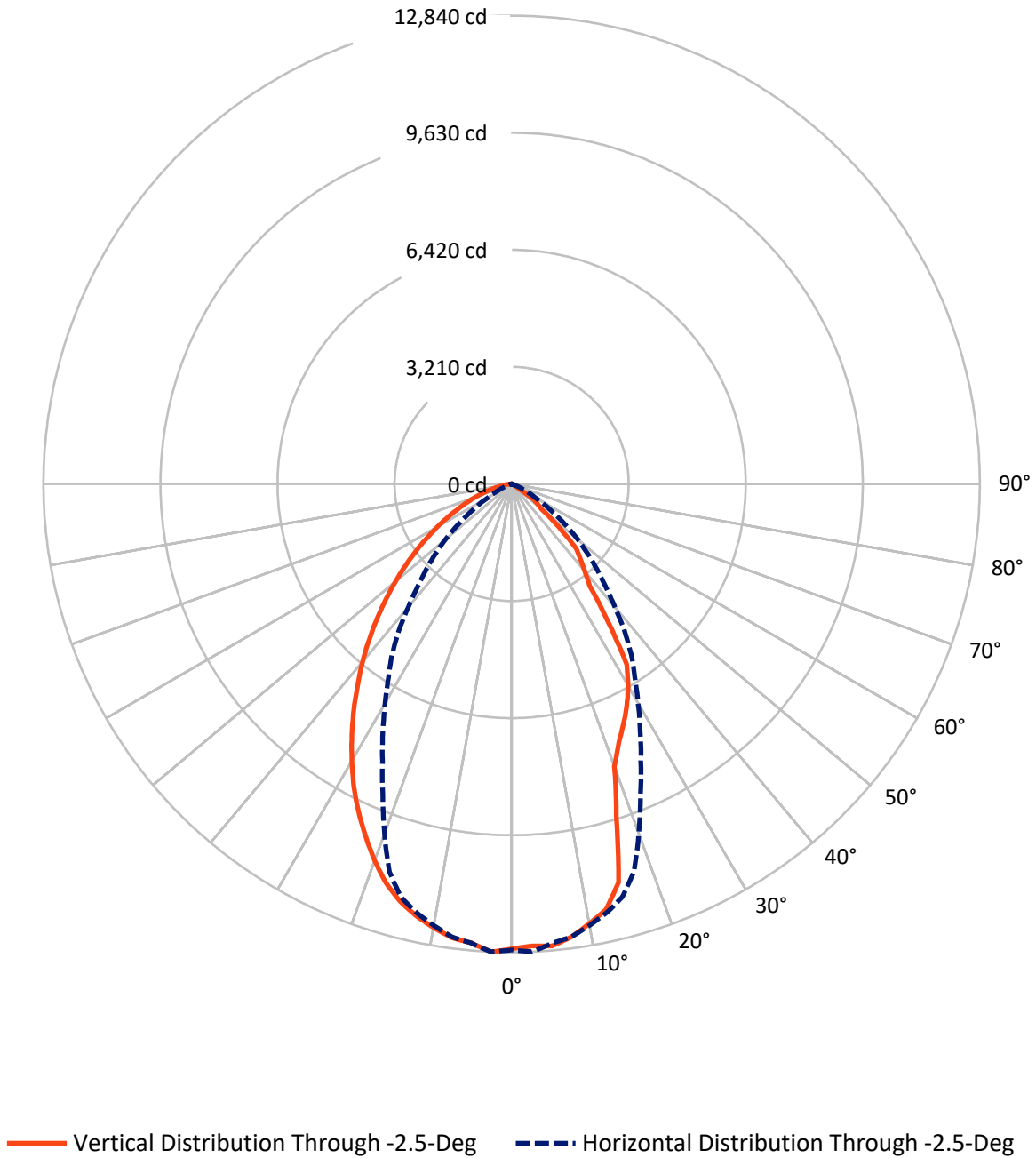
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### Lumen Table



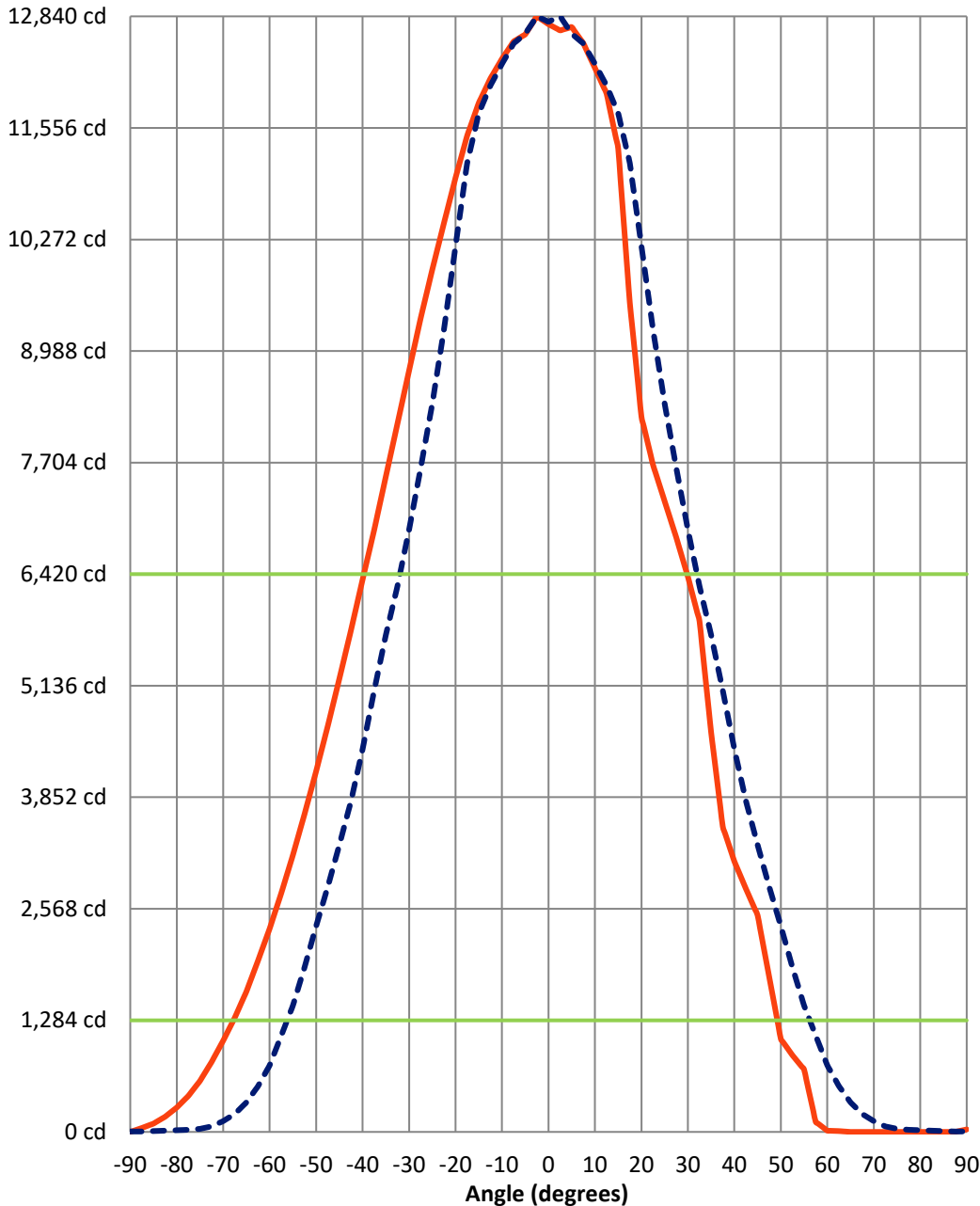
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 63.9°  
 V Angle: 69.6°  
 Lumens: 9914.2  
 Efficiency: 57.9%

**Field:**  
 H Angle: 112.5°  
 V Angle: 117.1°  
 Lumens: 16260.8  
 Efficiency: 94.9%

**Spill:**  
 Lumens: 875  
 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°	4.8	4.8	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4
87.5°	4.8	4.8	4.8	4.6	4.4	4.0	3.6	2.5	1.6	0.7	0.0
85°	4.8	4.8	4.8	4.5	4.0	3.3	2.3	1.4	0.8	0.3	0.0
82.5°	4.8	4.8	4.8	4.3	3.6	2.5	1.1	0.4	0.1	0.7	1.3
80°	4.8	4.8	4.8	4.2	3.2	1.8	0.2	0.9	1.7	2.5	3.3
77.5°	4.8	4.8	4.8	4.1	2.8	1.6	1.5	2.4	3.4	4.3	4.3
75°	4.8	4.8	4.8	4.0	2.6	2.4	2.7	3.8	4.7	3.9	2.5
72.5°	4.8	4.8	4.8	3.9	3.0	3.1	3.8	4.7	4.1	2.8	0.8
70°	4.8	4.8	4.8	3.8	3.4	3.8	4.8	4.5	3.5	1.8	2.2
67.5°	4.8	4.8	4.8	4.0	3.8	4.5	4.9	4.4	3.1	3.7	4.3
65°	4.8	4.8	4.8	4.2	4.2	5.0	5.1	4.4	4.8	5.6	5.9
62.5°	4.8	4.8	4.8	4.3	4.5	5.3	5.4	5.4	6.5	7.3	6.6
60°	4.8	4.8	4.8	4.4	4.8	5.8	5.7	6.9	8.1	8.4	7.5
57.5°	4.8	4.8	4.9	4.5	5.2	6.2	6.8	8.3	9.5	9.6	9.4
55°	4.8	4.8	4.9	4.6	5.7	6.7	8.0	9.7	10.9	11.2	11.7
52.5°	4.8	4.8	5.0	4.7	6.2	7.3	9.2	11.1	12.5	13.2	13.9
50°	4.8	4.8	5.1	4.8	6.8	8.3	10.4	12.5	14.2	15.2	16.2
47.5°	4.8	4.8	5.2	4.9	7.3	9.3	11.6	13.8	16.0	17.3	18.4
45°	4.8	4.8	5.4	5.3	7.9	10.2	12.7	15.1	17.7	19.3	20.7
42.5°	4.8	4.8	5.5	5.8	8.5	11.1	13.8	16.6	19.5	21.3	25.1
40°	4.8	4.8	5.7	6.4	9.2	12.0	14.9	18.2	21.4	23.3	29.9
37.5°	4.8	4.8	5.9	7.0	9.9	12.9	15.9	19.9	23.4	26.4	34.8
35°	4.8	4.8	6.1	7.6	10.5	13.7	16.9	21.7	25.5	32.4	44.3
32.5°	4.8	4.8	6.3	8.3	11.2	14.5	18.0	23.5	27.7	39.5	63.2
30°	4.8	4.8	6.6	8.8	11.8	15.3	19.4	25.3	29.9	47.6	81.7
27.5°	4.8	4.8	6.8	9.4	12.5	16.0	20.9	27.1	33.9	56.5	99.5
25°	4.8	4.8	7.0	10.0	13.3	16.8	22.3	29.0	40.8	69.7	117.0
22.5°	4.8	4.8	7.3	10.5	14.0	17.5	23.7	30.9	48.1	84.1	140.0
20°	4.8	4.8	7.6	11.1	14.7	18.4	25.1	32.8	55.7	97.8	163.0
17.5°	4.8	4.8	7.8	11.6	15.4	19.2	26.5	34.6	63.5	110.7	185.5
15°	4.8	4.8	8.1	12.0	16.0	20.0	27.8	37.0	71.2	122.8	207.4
12.5°	4.8	4.8	8.4	12.5	16.6	20.8	29.0	40.3	79.9	134.0	228.3
10°	4.8	4.8	8.6	12.9	17.2	21.5	30.1	43.8	89.0	147.0	249.3
7.5°	4.8	4.8	8.9	13.3	17.8	22.2	31.2	47.4	97.7	159.7	271.5
5°	4.8	4.8	9.1	13.7	18.3	22.8	32.1	50.9	105.8	171.4	291.8
2.5°	4.8	4.8	9.4	14.1	18.8	23.4	32.9	54.3	113.2	182.1	310.1
0°	4.8	4.8	9.6	14.4	19.2	24.0	33.6	57.5	119.8	191.7	325.9
-2.5°	4.8	4.8	9.6	14.4	19.2	24.0	33.6	57.5	119.8	191.7	325.9
-5°	4.8	4.8	9.6	14.3	20.0	25.0	37.1	68.7	128.4	220.1	351.9
-7.5°	4.8	4.8	9.5	14.3	20.3	25.4	38.6	73.4	131.4	230.9	361.0
-10°	4.8	4.8	9.5	14.2	20.5	25.7	39.9	77.3	133.6	238.8	367.7
-12.5°	4.8	4.8	9.4	14.1	20.6	26.1	40.8	80.2	135.2	242.9	372.9
-15°	4.8	4.8	9.3	13.9	20.7	26.3	41.4	81.9	138.0	242.4	374.9
-17.5°	4.8	4.8	9.2	13.7	20.7	26.5	41.6	83.7	142.1	240.0	372.5
-20°	4.8	4.8	9.0	13.5	20.5	26.7	42.6	85.4	144.8	235.6	365.7

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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°	4.8	4.8	8.9	13.3	20.3	26.8	45.4	86.1	146.0	229.3	354.1
-25°	4.8	4.8	8.7	13.0	19.9	28.6	47.6	85.9	145.5	221.2	337.5
-27.5°	4.8	4.8	8.5	12.8	19.4	30.8	49.4	84.6	143.5	214.2	325.4
-30°	4.8	4.8	8.3	12.5	19.0	32.7	50.6	82.2	140.8	211.1	311.8
-32.5°	4.8	4.8	8.1	12.1	19.7	34.3	51.2	82.3	137.4	205.9	296.4
-35°	4.8	4.8	7.9	11.8	20.2	35.5	52.6	82.8	132.6	198.4	279.3
-37.5°	4.8	4.8	7.6	11.4	20.5	36.3	54.0	82.5	126.4	188.8	271.7
-40°	4.8	4.8	7.4	11.0	20.7	36.6	54.9	81.4	119.0	179.6	263.1
-42.5°	4.8	4.8	7.1	10.8	20.8	36.6	55.2	79.6	114.7	172.1	250.1
-45°	4.8	4.8	6.8	10.9	20.9	36.3	54.9	77.9	111.6	163.0	233.7
-47.5°	4.8	4.8	6.5	10.8	20.8	35.8	54.0	76.7	107.6	152.0	220.8
-50°	4.8	4.8	6.2	10.6	20.4	35.0	52.9	74.8	104.5	148.0	205.4
-52.5°	4.8	4.8	5.8	10.4	19.8	33.9	51.4	72.2	101.8	142.8	188.9
-55°	4.8	4.8	5.5	10.1	18.9	32.5	49.6	68.9	98.4	136.3	181.0
-57.5°	4.8	4.8	5.2	9.8	17.9	30.7	47.4	66.0	93.8	129.5	171.7
-60°	4.8	4.8	4.8	9.3	16.6	28.6	44.8	62.8	87.9	121.4	160.9
-62.5°	4.8	4.8	4.8	8.8	15.7	26.2	41.2	58.5	80.6	111.9	148.4
-65°	4.8	4.8	4.8	8.3	14.7	23.5	37.1	53.0	71.8	99.3	134.2
-67.5°	4.8	4.8	4.8	7.6	13.5	21.1	32.7	46.5	61.6	84.5	115.3
-70°	4.8	4.8	4.8	6.9	12.3	19.2	27.8	39.7	52.8	68.2	93.2
-72.5°	4.8	4.8	4.8	6.8	11.0	17.1	24.6	32.4	43.5	56.5	71.3
-75°	4.8	4.8	4.8	6.7	9.6	14.9	21.4	27.4	33.9	44.5	56.7
-77.5°	4.8	4.8	4.8	6.6	9.1	12.6	18.1	23.0	28.1	33.7	41.5
-80°	4.8	4.8	4.8	6.5	8.7	11.3	14.6	18.5	22.7	27.2	32.0
-82.5°	4.8	4.8	4.8	6.4	8.4	10.6	13.2	15.1	17.1	20.5	24.1
-85°	4.8	4.8	4.8	6.3	8.0	9.9	12.0	13.7	15.2	16.8	18.4
-87.5°	4.8	4.8	4.8	6.2	7.6	9.2	10.8	12.2	13.6	15.0	16.4
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	3.6	2.4	1.2	0.0





REPORT NUMBER: P627390 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-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°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	15.6	16.8	18.0
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°	1.4	1.2	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.2	2.6	1.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.7	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.0	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.8	1.4	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	2.7	2.9	2.0	0.8	0.0	0.3	0.7	0.5	0.0	0.2	0.6
67.5°	4.5	3.3	2.2	1.4	1.8	2.4	2.3	2.4	2.6	2.8	2.4
65°	4.7	3.5	3.6	4.2	4.7	5.2	5.6	5.9	5.0	4.3	4.4
62.5°	5.0	5.4	6.2	7.0	7.7	8.4	8.4	7.5	5.7	7.1	8.2
60°	7.1	7.8	8.9	9.8	10.8	11.3	10.8	10.9	12.1	14.0	26.9
57.5°	9.6	10.3	11.5	13.0	14.3	14.5	14.9	16.2	38.0	62.1	68.5
55°	12.1	12.6	14.7	17.0	18.4	18.3	26.3	55.4	83.7	115.9	127.8
52.5°	14.6	15.6	19.1	21.9	23.7	37.0	66.6	106.2	147.8	184.8	232.7
50°	17.1	20.6	24.1	28.3	45.1	79.6	123.0	176.9	239.7	298.9	359.5
47.5°	21.4	25.7	31.1	44.6	88.9	136.9	196.8	283.6	361.1	432.7	515.7
45°	26.4	35.4	41.4	88.3	139.8	201.6	303.1	409.3	479.6	575.4	722.3
42.5°	31.6	49.0	79.2	133.4	196.2	295.9	421.7	512.2	605.7	761.0	915.5
40°	45.4	65.8	119.5	184.0	263.5	408.8	538.0	640.5	768.2	940.3	1101.7
37.5°	62.3	100.4	160.6	237.9	369.0	528.4	666.8	813.1	959.9	1122.2	1421.4
35°	81.0	132.5	212.6	316.9	474.7	661.0	825.9	989.4	1158.6	1478.2	1775.1
32.5°	105.4	162.1	267.0	408.8	588.9	793.4	984.9	1173.9	1445.2	1806.8	2104.8
30°	131.6	209.6	329.7	493.9	696.5	914.7	1144.9	1373.8	1732.8	2032.1	2355.6
27.5°	159.0	259.8	403.1	582.8	797.2	1029.2	1289.0	1615.4	1935.7	2231.4	2586.8
25°	187.1	312.1	470.2	667.8	896.2	1152.9	1451.7	1849.3	2099.8	2426.6	2797.4
22.5°	223.4	362.1	536.8	744.9	988.1	1279.9	1661.1	2060.3	2355.2	2630.0	2992.3
20°	265.2	418.4	609.1	841.4	1078.0	1404.1	1869.3	2289.2	2636.0	2950.7	3283.5
17.5°	304.3	471.1	686.5	940.0	1208.9	1563.2	2073.6	2538.3	2919.9	3270.7	3686.0
15°	340.5	519.8	762.3	1033.2	1337.5	1745.5	2256.7	2767.1	3202.9	3597.6	4069.6
12.5°	373.5	564.3	835.4	1120.5	1458.7	1902.6	2410.5	2908.7	3387.7	3901.9	4437.6
10°	403.3	604.3	904.3	1201.1	1571.0	2035.5	2537.6	3026.8	3510.1	4054.2	4649.4
7.5°	435.3	641.8	966.9	1274.3	1673.2	2145.3	2639.2	3121.5	3609.0	4176.0	4787.0
5°	464.9	676.2	1016.7	1326.8	1752.2	2230.9	2715.6	3193.5	3684.0	4266.8	4891.3
2.5°	490.9	705.1	1057.2	1368.0	1810.7	2294.0	2765.2	3253.5	3739.7	4340.6	4970.9
0°	512.9	728.6	1088.1	1399.6	1855.0	2339.1	2794.4	3292.9	3772.2	4390.6	5023.3
-2.5°	527.0	767.1	1109.3	1454.7	1893.6	2368.6	2820.5	3304.0	3807.3	4406.4	5082.0
-5°	536.9	798.2	1122.1	1497.3	1918.9	2381.6	2829.2	3295.4	3816.6	4402.4	5090.7
-7.5°	542.6	820.2	1128.1	1521.4	1927.8	2373.8	2814.6	3279.2	3801.4	4387.3	5052.6
-10°	546.0	827.1	1136.2	1514.1	1916.1	2348.1	2782.2	3241.2	3757.9	4338.3	4980.3
-12.5°	555.0	822.7	1134.8	1498.0	1890.9	2309.3	2734.1	3180.9	3685.4	4254.7	4880.3
-15°	557.2	812.8	1121.2	1474.3	1852.4	2258.6	2671.2	3098.2	3596.1	4173.3	4769.8
-17.5°	552.2	797.9	1094.6	1444.0	1800.8	2197.0	2597.1	3023.7	3512.3	4079.3	4653.7
-20°	539.4	778.6	1054.5	1408.3	1739.6	2128.6	2522.8	2945.6	3415.9	3948.9	4523.7

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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°	518.3	755.2	1011.1	1358.4	1686.7	2050.0	2435.8	2839.2	3295.2	3779.8	4349.0
-25°	496.7	728.8	976.9	1289.8	1623.1	1958.3	2335.8	2709.1	3153.3	3629.3	4134.5
-27.5°	476.1	692.0	941.4	1214.7	1548.2	1860.4	2222.8	2586.9	2993.9	3460.3	3925.5
-30°	449.2	652.1	897.9	1142.4	1458.6	1768.2	2096.7	2455.0	2821.0	3263.7	3721.3
-32.5°	425.4	610.8	848.6	1087.4	1362.3	1664.3	1960.8	2302.3	2659.5	3036.9	3489.1
-35°	409.6	586.3	796.2	1023.9	1264.1	1551.3	1833.3	2130.0	2476.0	2830.1	3227.2
-37.5°	396.7	558.2	741.1	957.6	1186.3	1432.7	1696.8	1969.8	2271.6	2628.7	3002.1
-40°	376.4	526.6	700.3	894.5	1096.3	1320.3	1565.4	1812.6	2074.2	2423.1	2791.4
-42.5°	350.5	495.9	661.8	825.8	1010.1	1214.7	1432.5	1665.3	1916.8	2219.8	2558.3
-45°	330.5	456.7	619.0	765.9	918.5	1105.6	1310.1	1520.9	1758.2	2018.3	2322.4
-47.5°	305.2	414.1	563.1	700.4	834.8	994.5	1181.5	1381.1	1591.2	1825.6	2074.8
-50°	278.1	378.5	494.6	628.3	756.5	889.3	1048.8	1233.3	1424.0	1628.3	1850.7
-52.5°	257.5	336.9	442.9	554.1	676.3	796.8	932.7	1090.9	1261.1	1431.8	1627.5
-55°	234.3	306.4	393.6	493.4	597.4	708.9	832.6	971.2	1110.0	1266.8	1422.9
-57.5°	217.9	276.9	352.6	439.2	532.7	627.4	744.2	861.3	989.8	1119.6	1249.1
-60°	205.1	251.5	314.2	390.6	473.8	562.4	658.2	766.4	877.1	983.0	1094.9
-62.5°	190.4	230.8	279.9	342.1	417.4	494.4	578.8	671.5	771.6	860.8	947.6
-65°	171.5	206.5	248.6	299.3	358.4	423.6	495.5	573.6	660.1	732.5	803.4
-67.5°	149.7	179.3	214.6	255.9	305.2	356.1	408.9	475.0	545.2	604.2	662.0
-70°	122.4	149.7	178.6	212.3	250.9	294.0	340.5	388.4	436.5	484.8	537.6
-72.5°	93.7	118.6	143.1	167.1	197.9	233.2	271.0	311.2	353.2	394.5	434.6
-75°	71.4	87.6	109.0	130.7	152.0	175.0	200.6	232.6	271.6	311.6	348.3
-77.5°	53.9	67.4	81.7	96.7	110.2	127.1	145.6	165.5	197.7	234.6	271.9
-80°	38.9	47.0	58.3	70.3	79.8	89.2	98.9	109.0	132.9	162.7	194.4
-82.5°	28.9	34.4	40.7	47.7	52.5	57.1	62.3	69.0	86.7	106.8	128.0
-85°	19.9	21.5	24.9	28.8	31.5	34.2	37.0	39.8	49.4	60.1	71.6
-87.5°	17.2	18.0	18.9	19.9	20.2	20.6	20.9	21.2	24.4	27.8	31.2
-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: P627390 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	19.2	20.4	21.6	22.8	24.0	25.2	26.4	27.6	28.8	28.8	28.8
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	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2.2	2.4	2.5	2.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0
65°	5.1	4.8	3.6	2.3	1.1	1.8	2.9	3.5	3.5	3.1	2.4
62.5°	7.6	7.0	6.3	7.3	8.7	10.1	9.7	9.2	8.5	8.1	8.4
60°	28.4	18.9	21.8	27.4	25.6	17.6	28.9	32.7	27.9	19.1	18.4
57.5°	71.9	69.3	79.4	116.1	127.7	116.4	139.1	168.9	167.9	144.6	143.9
55°	153.1	205.4	268.5	278.7	322.7	410.8	479.3	449.3	449.1	471.6	544.5
52.5°	290.8	340.1	358.5	407.5	499.4	566.0	608.8	653.2	701.8	751.4	801.6
50°	426.7	474.6	529.0	579.2	706.4	774.8	763.4	855.2	972.7	1046.1	1083.9
47.5°	625.9	701.4	816.4	996.6	1091.5	1160.1	1245.4	1349.4	1484.0	1666.6	1807.3
45°	860.4	979.2	1157.1	1348.5	1495.8	1562.8	1660.4	1821.5	2036.2	2245.2	2397.9
42.5°	1052.1	1215.1	1415.7	1598.6	1718.7	1828.9	1955.3	2091.1	2337.0	2560.3	2736.7
40°	1302.3	1429.2	1654.4	1826.8	1934.2	2043.5	2243.8	2447.1	2678.3	2886.3	3030.9
37.5°	1619.3	1762.2	1996.4	2191.3	2294.8	2333.4	2674.1	2957.1	3145.1	3410.6	3497.4
35°	1959.9	2195.0	2493.4	2746.3	2847.8	3050.4	3401.2	3796.2	4224.1	4381.4	4515.5
32.5°	2339.9	2630.0	3034.9	3306.3	3451.1	3758.5	4202.6	4624.1	5183.6	5487.2	5578.0
30°	2687.6	3020.4	3368.5	3632.2	3879.8	4250.0	4655.0	5174.8	5692.1	6080.3	6200.9
27.5°	2942.7	3311.0	3645.6	3892.5	4172.0	4571.2	5076.1	5602.4	6110.2	6506.3	6647.1
25°	3186.2	3602.5	3867.4	4154.6	4482.7	4917.7	5477.2	6062.1	6562.3	6897.0	7069.7
22.5°	3463.2	3873.7	4158.1	4401.4	4830.3	5331.6	5850.9	6511.8	7041.7	7308.9	7496.0
20°	3749.1	4213.5	4652.9	4879.1	5250.3	5885.0	6466.4	7090.3	7602.0	7880.4	8077.5
17.5°	4148.0	4739.9	5278.7	5599.1	5996.5	6755.5	7481.0	8112.1	8823.9	9075.4	9316.3
15°	4568.7	5253.6	5884.9	6392.4	6905.8	7657.8	8591.7	9353.3	10165.5	10528.3	10938.4
12.5°	4988.0	5636.2	6208.0	6862.7	7586.3	8251.5	9140.6	10089.0	10826.1	11288.7	11564.8
10°	5301.4	5903.4	6453.7	7110.0	7832.2	8584.6	9468.2	10440.3	11211.9	11606.7	11832.1
7.5°	5470.6	6046.8	6627.3	7292.3	8011.3	8812.6	9722.9	10687.4	11476.4	11858.9	12081.4
5°	5596.2	6149.6	6750.7	7450.7	8177.7	8990.3	9899.3	10852.3	11571.7	11978.2	12259.6
2.5°	5672.2	6214.8	6829.3	7553.1	8281.9	9128.2	10081.2	11069.0	11698.5	12025.5	12284.3
0°	5694.3	6240.7	6873.4	7606.8	8354.5	9207.7	10152.0	11129.8	11767.3	12083.6	12347.3
-2.5°	5719.1	6281.7	6931.8	7641.6	8382.9	9233.7	10197.6	11150.4	11723.9	12043.1	12293.9
-5°	5701.8	6284.9	6933.0	7612.8	8359.1	9203.1	10128.4	11019.2	11619.1	11964.2	12213.6
-7.5°	5650.2	6241.6	6883.0	7536.3	8268.4	9122.0	10043.4	10901.2	11508.9	11872.9	12145.7
-10°	5575.1	6149.3	6795.1	7456.8	8180.0	8992.6	9899.8	10752.5	11334.1	11720.6	12038.6
-12.5°	5491.9	6054.2	6676.6	7311.3	8026.7	8829.2	9708.2	10515.4	11093.6	11515.0	11742.3
-15°	5368.6	5930.5	6525.6	7139.5	7836.8	8615.3	9455.0	10229.4	10797.2	11140.2	11391.3
-17.5°	5211.8	5763.1	6327.3	6909.6	7566.5	8333.2	9177.9	9941.7	10404.6	10710.9	10957.7
-20°	5043.8	5553.7	6088.2	6637.6	7274.3	8033.8	8863.4	9529.7	9965.9	10260.2	10493.3



REPORT NUMBER: P627390 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-730-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°	4851.9	5342.9	5832.2	6357.5	6981.7	7678.0	8410.9	9054.7	9523.7	9791.7	10007.1
-25°	4632.9	5110.5	5575.1	6082.5	6656.2	7282.1	7963.5	8596.2	9016.2	9301.0	9514.5
-27.5°	4397.0	4845.7	5299.6	5755.2	6271.0	6894.6	7525.7	8113.4	8472.0	8759.0	8973.8
-30°	4161.6	4565.2	4985.1	5416.4	5900.5	6462.8	7053.1	7547.3	7925.4	8204.3	8403.7
-32.5°	3906.5	4289.5	4661.5	5064.6	5520.4	6015.9	6533.9	7004.0	7408.1	7663.5	7831.6
-35°	3645.1	4015.9	4356.4	4722.3	5124.3	5552.0	6030.1	6493.7	6892.7	7094.8	7258.7
-37.5°	3372.9	3742.6	4065.4	4371.1	4717.4	5113.5	5579.2	6021.6	6366.3	6540.0	6687.7
-40°	3136.2	3461.7	3752.3	4044.7	4326.3	4678.0	5112.6	5540.9	5817.5	5986.8	6124.0
-42.5°	2906.4	3181.0	3419.0	3681.1	3962.9	4309.6	4660.3	5019.5	5241.8	5429.7	5574.2
-45°	2638.8	2884.2	3107.3	3325.4	3582.5	3899.0	4217.5	4505.2	4713.4	4895.1	5035.8
-47.5°	2342.9	2579.8	2796.5	2991.4	3230.3	3494.3	3762.5	4001.9	4207.5	4387.0	4512.5
-50°	2067.0	2278.7	2490.2	2687.6	2894.5	3108.1	3325.7	3535.8	3731.0	3905.4	4012.2
-52.5°	1819.9	2015.2	2200.1	2372.6	2553.7	2734.2	2914.3	3106.8	3286.4	3451.4	3536.7
-55°	1596.3	1772.4	1939.2	2084.6	2229.9	2373.0	2527.5	2705.1	2870.5	3023.4	3084.6
-57.5°	1395.6	1546.3	1693.9	1816.8	1935.5	2049.3	2184.9	2334.9	2479.7	2610.7	2660.8
-60°	1211.0	1330.6	1454.0	1563.1	1666.5	1764.1	1882.4	2003.1	2120.5	2219.3	2262.0
-62.5°	1041.1	1143.4	1237.0	1325.6	1413.2	1501.1	1596.5	1692.3	1787.1	1863.2	1901.8
-65°	877.5	958.9	1034.1	1106.9	1177.6	1251.5	1326.2	1399.0	1469.2	1523.5	1556.9
-67.5°	723.7	785.7	845.3	902.1	961.3	1021.1	1079.6	1135.3	1188.1	1230.1	1262.0
-70°	587.5	635.4	682.1	729.1	778.5	825.0	869.1	910.8	950.1	980.4	1004.9
-72.5°	473.6	512.5	552.8	595.1	635.0	669.8	701.4	731.9	761.2	778.3	791.0
-75°	381.8	414.5	449.6	483.8	517.2	543.6	566.9	589.4	611.0	612.1	607.8
-77.5°	308.5	337.7	364.8	391.7	418.3	434.6	448.9	463.5	478.3	469.8	456.2
-80°	226.4	250.7	273.8	297.0	320.1	329.8	336.5	342.3	347.3	336.1	322.2
-82.5°	150.2	165.6	180.6	195.8	211.3	217.5	222.1	225.9	228.9	218.8	207.1
-85°	83.8	91.2	98.4	105.7	113.1	117.4	121.3	125.0	128.3	122.3	115.5
-87.5°	34.8	36.5	38.1	39.7	41.3	42.8	44.3	45.8	47.2	47.4	47.6
-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: P627390 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-730-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°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	27.6
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°	1.4	0.2	0.0	0.0	0.0	0.2	1.4	2.4	3.1	3.5	3.5
62.5°	8.8	9.2	9.5	9.6	9.5	9.2	8.8	8.4	8.1	8.5	9.2
60°	17.0	14.9	14.3	14.4	14.3	14.9	17.0	18.4	19.1	27.9	32.7
57.5°	132.8	113.7	116.6	129.4	116.6	113.7	132.8	143.9	144.6	167.9	168.9
55°	620.9	693.1	718.7	704.6	718.7	693.1	620.9	544.5	471.6	449.1	449.3
52.5°	841.3	870.9	882.3	881.9	882.3	870.9	841.3	801.6	751.4	701.8	653.2
50°	1095.3	1085.3	1069.8	1054.5	1069.8	1085.3	1095.3	1083.9	1046.1	972.7	855.2
47.5°	1827.9	1796.2	1782.9	1807.0	1782.9	1796.2	1827.9	1807.3	1666.6	1484.0	1349.4
45°	2429.0	2466.1	2493.9	2492.5	2493.9	2466.1	2429.0	2397.9	2245.2	2036.2	1821.5
42.5°	2771.3	2791.1	2796.8	2789.6	2796.8	2791.1	2771.3	2736.7	2560.3	2337.0	2091.1
40°	3076.4	3100.0	3113.2	3125.2	3113.2	3100.0	3076.4	3030.9	2886.3	2678.3	2447.1
37.5°	3526.1	3534.7	3515.9	3503.8	3515.9	3534.7	3526.1	3497.4	3410.6	3145.1	2957.1
35°	4628.7	4651.2	4598.9	4654.2	4598.9	4651.2	4628.7	4515.5	4381.4	4224.1	3796.2
32.5°	5686.1	5791.9	5877.5	5948.3	5877.5	5791.9	5686.1	5578.0	5487.2	5183.6	4624.1
30°	6285.1	6353.3	6390.0	6398.9	6390.0	6353.3	6285.1	6200.9	6080.3	5692.1	5174.8
27.5°	6724.9	6796.4	6841.0	6873.4	6841.0	6796.4	6724.9	6647.1	6506.3	6110.2	5602.4
25°	7148.7	7214.2	7258.8	7276.1	7258.8	7214.2	7148.7	7069.7	6897.0	6562.3	6062.1
22.5°	7588.6	7634.1	7676.9	7697.9	7676.9	7634.1	7588.6	7496.0	7308.9	7041.7	6511.8
20°	8219.1	8194.4	8233.4	8220.3	8233.4	8194.4	8219.1	8077.5	7880.4	7602.0	7090.3
17.5°	9504.1	9517.4	9543.5	9586.4	9543.5	9517.4	9504.1	9316.3	9075.4	8823.9	8112.1
15°	11120.1	11152.6	11317.9	11465.3	11317.9	11152.6	11120.1	10938.4	10528.3	10165.5	9353.3
12.5°	11821.1	11933.6	11951.0	11992.6	11951.0	11933.6	11821.1	11564.8	11288.7	10826.1	10089.0
10°	12055.0	12249.8	12245.7	12294.5	12245.7	12249.8	12055.0	11832.1	11606.7	11211.9	10440.3
7.5°	12232.4	12441.7	12530.2	12567.7	12530.2	12441.7	12232.4	12081.4	11858.9	11476.4	10687.4
5°	12449.2	12564.2	12716.9	12673.2	12716.9	12564.2	12449.2	12259.6	11978.2	11571.7	10852.3
2.5°	12540.0	12720.2	12678.6	12721.1	12678.6	12720.2	12540.0	12284.3	12025.5	11698.5	11069.0
0°	12601.3	12730.7	12749.9	12793.0	12749.9	12730.7	12601.3	12347.3	12083.6	11767.3	11129.8
-2.5°	12526.9	12640.9	12840.3	12778.6	12840.3	12640.9	12526.9	12293.9	12043.1	11723.9	11150.4
-5°	12461.8	12742.1	12633.2	12769.1	12633.2	12742.1	12461.8	12213.6	11964.2	11619.1	11019.2
-7.5°	12428.2	12478.3	12550.5	12654.0	12550.5	12478.3	12428.2	12145.7	11872.9	11508.9	10901.2
-10°	12167.9	12219.2	12352.0	12423.9	12352.0	12219.2	12167.9	12038.6	11720.6	11334.1	10752.5
-12.5°	11885.9	11985.1	12124.6	12169.9	12124.6	11985.1	11885.9	11742.3	11515.0	11093.6	10515.4
-15°	11560.8	11708.3	11844.2	11872.7	11844.2	11708.3	11560.8	11391.3	11140.2	10797.2	10229.4
-17.5°	11147.5	11324.3	11467.1	11498.9	11467.1	11324.3	11147.5	10957.7	10710.9	10404.6	9941.7
-20°	10692.1	10861.5	10982.9	11019.5	10982.9	10861.5	10692.1	10493.3	10260.2	9965.9	9529.7



REPORT NUMBER: P627390 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4C-730-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°	10204.5	10357.0	10459.7	10444.4	10459.7	10357.0	10204.5	10007.1	9791.7	9523.7	9054.7
-25°	9686.9	9828.4	9926.3	9912.3	9926.3	9828.4	9686.9	9514.5	9301.0	9016.2	8596.2
-27.5°	9139.6	9273.7	9367.7	9370.7	9367.7	9273.7	9139.6	8973.8	8759.0	8472.0	8113.4
-30°	8564.5	8686.3	8762.7	8733.2	8762.7	8686.3	8564.5	8403.7	8204.3	7925.4	7547.3
-32.5°	7971.4	8081.6	8151.6	8172.4	8151.6	8081.6	7971.4	7831.6	7663.5	7408.1	7004.0
-35°	7386.4	7483.5	7544.0	7558.9	7544.0	7483.5	7386.4	7258.7	7094.8	6892.7	6493.7
-37.5°	6805.1	6888.7	6930.9	6911.8	6930.9	6888.7	6805.1	6687.7	6540.0	6366.3	6021.6
-40°	6230.8	6310.3	6358.6	6370.2	6358.6	6310.3	6230.8	6124.0	5986.8	5817.5	5540.9
-42.5°	5666.0	5732.1	5774.6	5795.0	5774.6	5732.1	5666.0	5574.2	5429.7	5241.8	5019.5
-45°	5117.9	5177.0	5216.9	5239.0	5216.9	5177.0	5117.9	5035.8	4895.1	4713.4	4505.2
-47.5°	4584.7	4636.5	4670.9	4687.7	4670.9	4636.5	4584.7	4512.5	4387.0	4207.5	4001.9
-50°	4074.7	4119.6	4151.6	4170.1	4151.6	4119.6	4074.7	4012.2	3905.4	3731.0	3535.8
-52.5°	3591.1	3630.3	3657.6	3671.6	3657.6	3630.3	3591.1	3536.7	3451.4	3286.4	3106.8
-55°	3129.3	3161.2	3186.4	3201.9	3186.4	3161.2	3129.3	3084.6	3023.4	2870.5	2705.1
-57.5°	2698.7	2724.7	2748.6	2765.7	2748.6	2724.7	2698.7	2660.8	2610.7	2479.7	2334.9
-60°	2295.6	2320.2	2340.5	2353.5	2340.5	2320.2	2295.6	2262.0	2219.3	2120.5	2003.1
-62.5°	1931.8	1953.6	1972.2	1984.4	1972.2	1953.6	1931.8	1901.8	1863.2	1787.1	1692.3
-65°	1583.2	1602.6	1616.5	1624.9	1616.5	1602.6	1583.2	1556.9	1523.5	1469.2	1399.0
-67.5°	1289.2	1311.6	1316.1	1313.3	1316.1	1311.6	1289.2	1262.0	1230.1	1188.1	1135.3
-70°	1026.9	1045.8	1050.3	1049.7	1050.3	1045.8	1026.9	1004.9	980.4	950.1	910.8
-72.5°	802.9	813.2	804.4	790.9	804.4	813.2	802.9	791.0	778.3	761.2	731.9
-75°	602.5	595.8	586.6	575.2	586.6	595.8	602.5	607.8	612.1	611.0	589.4
-77.5°	441.3	424.9	414.2	402.6	414.2	424.9	441.3	456.2	469.8	478.3	463.5
-80°	307.3	291.3	280.2	268.4	280.2	291.3	307.3	322.2	336.1	347.3	342.3
-82.5°	194.6	181.4	174.8	167.8	174.8	181.4	194.6	207.1	218.8	228.9	225.9
-85°	108.1	100.4	95.8	91.1	95.8	100.4	108.1	115.5	122.3	128.3	125.0
-87.5°	47.7	47.8	45.5	43.1	45.5	47.8	47.7	47.6	47.4	47.2	45.8
-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: P627390 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	26.4	25.2	24.0	22.8	21.6	20.4	19.2	18.0	16.8	15.6	14.4
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	0.1	0.1	0.0	0.0	0.4	0.6	0.2	0.0	0.5
67.5°	0.0	0.0	0.9	2.0	2.5	2.4	2.2	2.4	2.8	2.6	2.4
65°	2.9	1.8	1.1	2.3	3.6	4.8	5.1	4.4	4.3	5.0	5.9
62.5°	9.7	10.1	8.7	7.3	6.3	7.0	7.6	8.2	7.1	5.7	7.5
60°	28.9	17.6	25.6	27.4	21.8	18.9	28.4	26.9	14.0	12.1	10.9
57.5°	139.1	116.4	127.7	116.1	79.4	69.3	71.9	68.5	62.1	38.0	16.2
55°	479.3	410.8	322.7	278.7	268.5	205.4	153.1	127.8	115.9	83.7	55.4
52.5°	608.8	566.0	499.4	407.5	358.5	340.1	290.8	232.7	184.8	147.8	106.2
50°	763.4	774.8	706.4	579.2	529.0	474.6	426.7	359.5	298.9	239.7	176.9
47.5°	1245.4	1160.1	1091.5	996.6	816.4	701.4	625.9	515.7	432.7	361.1	283.6
45°	1660.4	1562.8	1495.8	1348.5	1157.1	979.2	860.4	722.3	575.4	479.6	409.3
42.5°	1955.3	1828.9	1718.7	1598.6	1415.7	1215.1	1052.1	915.5	761.0	605.7	512.2
40°	2243.8	2043.5	1934.2	1826.8	1654.4	1429.2	1302.3	1101.7	940.3	768.2	640.5
37.5°	2674.1	2333.4	2294.8	2191.3	1996.4	1762.2	1619.3	1421.4	1122.2	959.9	813.1
35°	3401.2	3050.4	2847.8	2746.3	2493.4	2195.0	1959.9	1775.1	1478.2	1158.6	989.4
32.5°	4202.6	3758.5	3451.1	3306.3	3034.9	2630.0	2339.9	2104.8	1806.8	1445.2	1173.9
30°	4655.0	4250.0	3879.8	3632.2	3368.5	3020.4	2687.6	2355.6	2032.1	1732.8	1373.8
27.5°	5076.1	4571.2	4172.0	3892.5	3645.6	3311.0	2942.7	2586.8	2231.4	1935.7	1615.4
25°	5477.2	4917.7	4482.7	4154.6	3867.4	3602.5	3186.2	2797.4	2426.6	2099.8	1849.3
22.5°	5850.9	5331.6	4830.3	4401.4	4158.1	3873.7	3463.2	2992.3	2630.0	2355.2	2060.3
20°	6466.4	5885.0	5250.3	4879.1	4652.9	4213.5	3749.1	3283.5	2950.7	2636.0	2289.2
17.5°	7481.0	6755.5	5996.5	5599.1	5278.7	4739.9	4148.0	3686.0	3270.7	2919.9	2538.3
15°	8591.7	7657.8	6905.8	6392.4	5884.9	5253.6	4568.7	4069.6	3597.6	3202.9	2767.1
12.5°	9140.6	8251.5	7586.3	6862.7	6208.0	5636.2	4988.0	4437.6	3901.9	3387.7	2908.7
10°	9468.2	8584.6	7832.2	7110.0	6453.7	5903.4	5301.4	4649.4	4054.2	3510.1	3026.8
7.5°	9722.9	8812.6	8011.3	7292.3	6627.3	6046.8	5470.6	4787.0	4176.0	3609.0	3121.5
5°	9899.3	8990.3	8177.7	7450.7	6750.7	6149.6	5596.2	4891.3	4266.8	3684.0	3193.5
2.5°	10081.2	9128.2	8281.9	7553.1	6829.3	6214.8	5672.2	4970.9	4340.6	3739.7	3253.5
0°	10152.0	9207.7	8354.5	7606.8	6873.4	6240.7	5694.3	5023.3	4390.6	3772.2	3292.9
-2.5°	10197.6	9233.7	8382.9	7641.6	6931.8	6281.7	5719.1	5082.0	4406.4	3807.3	3304.0
-5°	10128.4	9203.1	8359.1	7612.8	6933.0	6284.9	5701.8	5090.7	4402.4	3816.6	3295.4
-7.5°	10043.4	9122.0	8268.4	7536.3	6883.0	6241.6	5650.2	5052.6	4387.3	3801.4	3279.2
-10°	9899.8	8992.6	8180.0	7456.8	6795.1	6149.3	5575.1	4980.3	4338.3	3757.9	3241.2
-12.5°	9708.2	8829.2	8026.7	7311.3	6676.6	6054.2	5491.9	4880.3	4254.7	3685.4	3180.9
-15°	9455.0	8615.3	7836.8	7139.5	6525.6	5930.5	5368.6	4769.8	4173.3	3596.1	3098.2
-17.5°	9177.9	8333.2	7566.5	6909.6	6327.3	5763.1	5211.8	4653.7	4079.3	3512.3	3023.7
-20°	8863.4	8033.8	7274.3	6637.6	6088.2	5553.7	5043.8	4523.7	3948.9	3415.9	2945.6



REPORT NUMBER: P627390 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-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°	8410.9	7678.0	6981.7	6357.5	5832.2	5342.9	4851.9	4349.0	3779.8	3295.2	2839.2
-25°	7963.5	7282.1	6656.2	6082.5	5575.1	5110.5	4632.9	4134.5	3629.3	3153.3	2709.1
-27.5°	7525.7	6894.6	6271.0	5755.2	5299.6	4845.7	4397.0	3925.5	3460.3	2993.9	2586.9
-30°	7053.1	6462.8	5900.5	5416.4	4985.1	4565.2	4161.6	3721.3	3263.7	2821.0	2455.0
-32.5°	6533.9	6015.9	5520.4	5064.6	4661.5	4289.5	3906.5	3489.1	3036.9	2659.5	2302.3
-35°	6030.1	5552.0	5124.3	4722.3	4356.4	4015.9	3645.1	3227.2	2830.1	2476.0	2130.0
-37.5°	5579.2	5113.5	4717.4	4371.1	4065.4	3742.6	3372.9	3002.1	2628.7	2271.6	1969.8
-40°	5112.6	4678.0	4326.3	4044.7	3752.3	3461.7	3136.2	2791.4	2423.1	2074.2	1812.6
-42.5°	4660.3	4309.6	3962.9	3681.1	3419.0	3181.0	2906.4	2558.3	2219.8	1916.8	1665.3
-45°	4217.5	3899.0	3582.5	3325.4	3107.3	2884.2	2638.8	2322.4	2018.3	1758.2	1520.9
-47.5°	3762.5	3494.3	3230.3	2991.4	2796.5	2579.8	2342.9	2074.8	1825.6	1591.2	1381.1
-50°	3325.7	3108.1	2894.5	2687.6	2490.2	2278.7	2067.0	1850.7	1628.3	1424.0	1233.3
-52.5°	2914.3	2734.2	2553.7	2372.6	2200.1	2015.2	1819.9	1627.5	1431.8	1261.1	1090.9
-55°	2527.5	2373.0	2229.9	2084.6	1939.2	1772.4	1596.3	1422.9	1266.8	1110.0	971.2
-57.5°	2184.9	2049.3	1935.5	1816.8	1693.9	1546.3	1395.6	1249.1	1119.6	989.8	861.3
-60°	1882.4	1764.1	1666.5	1563.1	1454.0	1330.6	1211.0	1094.9	983.0	877.1	766.4
-62.5°	1596.5	1501.1	1413.2	1325.6	1237.0	1143.4	1041.1	947.6	860.8	771.6	671.5
-65°	1326.2	1251.5	1177.6	1106.9	1034.1	958.9	877.5	803.4	732.5	660.1	573.6
-67.5°	1079.6	1021.1	961.3	902.1	845.3	785.7	723.7	662.0	604.2	545.2	475.0
-70°	869.1	825.0	778.5	729.1	682.1	635.4	587.5	537.6	484.8	436.5	388.4
-72.5°	701.4	669.8	635.0	595.1	552.8	512.5	473.6	434.6	394.5	353.2	311.2
-75°	566.9	543.6	517.2	483.8	449.6	414.5	381.8	348.3	311.6	271.6	232.6
-77.5°	448.9	434.6	418.3	391.7	364.8	337.7	308.5	271.9	234.6	197.7	165.5
-80°	336.5	329.8	320.1	297.0	273.8	250.7	226.4	194.4	162.7	132.9	109.0
-82.5°	222.1	217.5	211.3	195.8	180.6	165.6	150.2	128.0	106.8	86.7	69.0
-85°	121.3	117.4	113.1	105.7	98.4	91.2	83.8	71.6	60.1	49.4	39.8
-87.5°	44.3	42.8	41.3	39.7	38.1	36.5	34.8	31.2	27.8	24.4	21.2
-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: P627390 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-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°	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	13.2	12.0	10.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.6	2.5
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.8	1.4
82.5°	0.0	0.0	0.0	0.1	0.8	1.2	1.4	1.3	0.7	0.1	0.4
80°	0.0	0.0	0.0	0.1	1.2	2.6	3.2	3.3	2.5	1.7	0.9
77.5°	0.0	0.0	0.0	0.0	0.5	1.4	2.7	4.3	4.3	3.4	2.4
75°	0.0	0.0	0.0	0.2	0.3	0.1	1.0	2.5	3.9	4.7	3.8
72.5°	0.0	0.0	0.0	0.6	1.3	1.4	0.8	0.8	2.8	4.1	4.7
70°	0.7	0.3	0.0	0.8	2.0	2.9	2.7	2.2	1.8	3.5	4.5
67.5°	2.3	2.4	1.8	1.4	2.2	3.3	4.5	4.3	3.7	3.1	4.4
65°	5.6	5.2	4.7	4.2	3.6	3.5	4.7	5.9	5.6	4.8	4.4
62.5°	8.4	8.4	7.7	7.0	6.2	5.4	5.0	6.6	7.3	6.5	5.4
60°	10.8	11.3	10.8	9.8	8.9	7.8	7.1	7.5	8.4	8.1	6.9
57.5°	14.9	14.5	14.3	13.0	11.5	10.3	9.6	9.4	9.6	9.5	8.3
55°	26.3	18.3	18.4	17.0	14.7	12.6	12.1	11.7	11.2	10.9	9.7
52.5°	66.6	37.0	23.7	21.9	19.1	15.6	14.6	13.9	13.2	12.5	11.1
50°	123.0	79.6	45.1	28.3	24.1	20.6	17.1	16.2	15.2	14.2	12.5
47.5°	196.8	136.9	88.9	44.6	31.1	25.7	21.4	18.4	17.3	16.0	13.8
45°	303.1	201.6	139.8	88.3	41.4	35.4	26.4	20.7	19.3	17.7	15.1
42.5°	421.7	295.9	196.2	133.4	79.2	49.0	31.6	25.1	21.3	19.5	16.6
40°	538.0	408.8	263.5	184.0	119.5	65.8	45.4	29.9	23.3	21.4	18.2
37.5°	666.8	528.4	369.0	237.9	160.6	100.4	62.3	34.8	26.4	23.4	19.9
35°	825.9	661.0	474.7	316.9	212.6	132.5	81.0	44.3	32.4	25.5	21.7
32.5°	984.9	793.4	588.9	408.8	267.0	162.1	105.4	63.2	39.5	27.7	23.5
30°	1144.9	914.7	696.5	493.9	329.7	209.6	131.6	81.7	47.6	29.9	25.3
27.5°	1289.0	1029.2	797.2	582.8	403.1	259.8	159.0	99.5	56.5	33.9	27.1
25°	1451.7	1152.9	896.2	667.8	470.2	312.1	187.1	117.0	69.7	40.8	29.0
22.5°	1661.1	1279.9	988.1	744.9	536.8	362.1	223.4	140.0	84.1	48.1	30.9
20°	1869.3	1404.1	1078.0	841.4	609.1	418.4	265.2	163.0	97.8	55.7	32.8
17.5°	2073.6	1563.2	1208.9	940.0	686.5	471.1	304.3	185.5	110.7	63.5	34.6
15°	2256.7	1745.5	1337.5	1033.2	762.3	519.8	340.5	207.4	122.8	71.2	37.0
12.5°	2410.5	1902.6	1458.7	1120.5	835.4	564.3	373.5	228.3	134.0	79.9	40.3
10°	2537.6	2035.5	1571.0	1201.1	904.3	604.3	403.3	249.3	147.0	89.0	43.8
7.5°	2639.2	2145.3	1673.2	1274.3	966.9	641.8	435.3	271.5	159.7	97.7	47.4
5°	2715.6	2230.9	1752.2	1326.8	1016.7	676.2	464.9	291.8	171.4	105.8	50.9
2.5°	2765.2	2294.0	1810.7	1368.0	1057.2	705.1	490.9	310.1	182.1	113.2	54.3
0°	2794.4	2339.1	1855.0	1399.6	1088.1	728.6	512.9	325.9	191.7	119.8	57.5
-2.5°	2820.5	2368.6	1893.6	1454.7	1109.3	767.1	527.0	340.2	206.8	124.6	63.4
-5°	2829.2	2381.6	1918.9	1497.3	1122.1	798.2	536.9	351.9	220.1	128.4	68.7
-7.5°	2814.6	2373.8	1927.8	1521.4	1128.1	820.2	542.6	361.0	230.9	131.4	73.4
-10°	2782.2	2348.1	1916.1	1514.1	1136.2	827.1	546.0	367.7	238.8	133.6	77.3
-12.5°	2734.1	2309.3	1890.9	1498.0	1134.8	822.7	555.0	372.9	242.9	135.2	80.2
-15°	2671.2	2258.6	1852.4	1474.3	1121.2	812.8	557.2	374.9	242.4	138.0	81.9
-17.5°	2597.1	2197.0	1800.8	1444.0	1094.6	797.9	552.2	372.5	240.0	142.1	83.7
-20°	2522.8	2128.6	1739.6	1408.3	1054.5	778.6	539.4	365.7	235.6	144.8	85.4

Classified

Cooper Lighting Solutions Photometric Lab  
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Scaled Data Report



REPORT NUMBER: P627390 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-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°	2435.8	2050.0	1686.7	1358.4	1011.1	755.2	518.3	354.1	229.3	146.0	86.1
-25°	2335.8	1958.3	1623.1	1289.8	976.9	728.8	496.7	337.5	221.2	145.5	85.9
-27.5°	2222.8	1860.4	1548.2	1214.7	941.4	692.0	476.1	325.4	214.2	143.5	84.6
-30°	2096.7	1768.2	1458.6	1142.4	897.9	652.1	449.2	311.8	211.1	140.8	82.2
-32.5°	1960.8	1664.3	1362.3	1087.4	848.6	610.8	425.4	296.4	205.9	137.4	82.3
-35°	1833.3	1551.3	1264.1	1023.9	796.2	586.3	409.6	279.3	198.4	132.6	82.8
-37.5°	1696.8	1432.7	1186.3	957.6	741.1	558.2	396.7	271.7	188.8	126.4	82.5
-40°	1565.4	1320.3	1096.3	894.5	700.3	526.6	376.4	263.1	179.6	119.0	81.4
-42.5°	1432.5	1214.7	1010.1	825.8	661.8	495.9	350.5	250.1	172.1	114.7	79.6
-45°	1310.1	1105.6	918.5	765.9	619.0	456.7	330.5	233.7	163.0	111.6	77.9
-47.5°	1181.5	994.5	834.8	700.4	563.1	414.1	305.2	220.8	152.0	107.6	76.7
-50°	1048.8	889.3	756.5	628.3	494.6	378.5	278.1	205.4	148.0	104.5	74.8
-52.5°	932.7	796.8	676.3	554.1	442.9	336.9	257.5	188.9	142.8	101.8	72.2
-55°	832.6	708.9	597.4	493.4	393.6	306.4	234.3	181.0	136.3	98.4	68.9
-57.5°	744.2	627.4	532.7	439.2	352.6	276.9	217.9	171.7	129.5	93.8	66.0
-60°	658.2	562.4	473.8	390.6	314.2	251.5	205.1	160.9	121.4	87.9	62.8
-62.5°	578.8	494.4	417.4	342.1	279.9	230.8	190.4	148.4	111.9	80.6	58.5
-65°	495.5	423.6	358.4	299.3	248.6	206.5	171.5	134.2	99.3	71.8	53.0
-67.5°	408.9	356.1	305.2	255.9	214.6	179.3	149.7	115.3	84.5	61.6	46.5
-70°	340.5	294.0	250.9	212.3	178.6	149.7	122.4	93.2	68.2	52.8	39.7
-72.5°	271.0	233.2	197.9	167.1	143.1	118.6	93.7	71.3	56.5	43.5	32.4
-75°	200.6	175.0	152.0	130.7	109.0	87.6	71.4	56.7	44.5	33.9	27.4
-77.5°	145.6	127.1	110.2	96.7	81.7	67.4	53.9	41.5	33.7	28.1	23.0
-80°	98.9	89.2	79.8	70.3	58.3	47.0	38.9	32.0	27.2	22.7	18.5
-82.5°	62.3	57.1	52.5	47.7	40.7	34.4	28.9	24.1	20.5	17.1	15.1
-85°	37.0	34.2	31.5	28.8	24.9	21.5	19.9	18.4	16.8	15.2	13.7
-87.5°	20.9	20.6	20.2	19.9	18.9	18.0	17.2	16.4	15.0	13.6	12.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6

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CATALOG NUMBER: GFLD-SA4C-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.6	8.4	7.2	6.0	4.8	4.8	4.8
87.5°	3.6	4.0	4.4	4.6	4.8	4.8	4.8
85°	2.3	3.3	4.0	4.5	4.8	4.8	4.8
82.5°	1.1	2.5	3.6	4.3	4.8	4.8	4.8
80°	0.2	1.8	3.2	4.2	4.8	4.8	4.8
77.5°	1.5	1.6	2.8	4.1	4.8	4.8	4.8
75°	2.7	2.4	2.6	4.0	4.8	4.8	4.8
72.5°	3.8	3.1	3.0	3.9	4.8	4.8	4.8
70°	4.8	3.8	3.4	3.8	4.8	4.8	4.8
67.5°	4.9	4.5	3.8	4.0	4.8	4.8	4.8
65°	5.1	5.0	4.2	4.2	4.8	4.8	4.8
62.5°	5.4	5.3	4.5	4.3	4.8	4.8	4.8
60°	5.7	5.8	4.8	4.4	4.8	4.8	4.8
57.5°	6.8	6.2	5.2	4.5	4.9	4.8	4.8
55°	8.0	6.7	5.7	4.6	4.9	4.8	4.8
52.5°	9.2	7.3	6.2	4.7	5.0	4.8	4.8
50°	10.4	8.3	6.8	4.8	5.1	4.8	4.8
47.5°	11.6	9.3	7.3	4.9	5.2	4.8	4.8
45°	12.7	10.2	7.9	5.3	5.4	4.8	4.8
42.5°	13.8	11.1	8.5	5.8	5.5	4.8	4.8
40°	14.9	12.0	9.2	6.4	5.7	4.8	4.8
37.5°	15.9	12.9	9.9	7.0	5.9	4.8	4.8
35°	16.9	13.7	10.5	7.6	6.1	4.8	4.8
32.5°	18.0	14.5	11.2	8.3	6.3	4.8	4.8
30°	19.4	15.3	11.8	8.8	6.6	4.8	4.8
27.5°	20.9	16.0	12.5	9.4	6.8	4.8	4.8
25°	22.3	16.8	13.3	10.0	7.0	4.8	4.8
22.5°	23.7	17.5	14.0	10.5	7.3	4.8	4.8
20°	25.1	18.4	14.7	11.1	7.6	4.8	4.8
17.5°	26.5	19.2	15.4	11.6	7.8	4.8	4.8
15°	27.8	20.0	16.0	12.0	8.1	4.8	4.8
12.5°	29.0	20.8	16.6	12.5	8.4	4.8	4.8
10°	30.1	21.5	17.2	12.9	8.6	4.8	4.8
7.5°	31.2	22.2	17.8	13.3	8.9	4.8	4.8
5°	32.1	22.8	18.3	13.7	9.1	4.8	4.8
2.5°	32.9	23.4	18.8	14.1	9.4	4.8	4.8
0°	33.6	24.0	19.2	14.4	9.6	4.8	4.8
-2.5°	35.5	24.5	19.6	14.4	9.6	4.8	4.8
-5°	37.1	25.0	20.0	14.3	9.6	4.8	4.8
-7.5°	38.6	25.4	20.3	14.3	9.5	4.8	4.8
-10°	39.9	25.7	20.5	14.2	9.5	4.8	4.8
-12.5°	40.8	26.1	20.6	14.1	9.4	4.8	4.8
-15°	41.4	26.3	20.7	13.9	9.3	4.8	4.8
-17.5°	41.6	26.5	20.7	13.7	9.2	4.8	4.8
-20°	42.6	26.7	20.5	13.5	9.0	4.8	4.8

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CATALOG NUMBER: GFLD-SA4C-730-U-VWR-VSR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	45.4	26.8	20.3	13.3	8.9	4.8	4.8
-25°	47.6	28.6	19.9	13.0	8.7	4.8	4.8
-27.5°	49.4	30.8	19.4	12.8	8.5	4.8	4.8
-30°	50.6	32.7	19.0	12.5	8.3	4.8	4.8
-32.5°	51.2	34.3	19.7	12.1	8.1	4.8	4.8
-35°	52.6	35.5	20.2	11.8	7.9	4.8	4.8
-37.5°	54.0	36.3	20.5	11.4	7.6	4.8	4.8
-40°	54.9	36.6	20.7	11.0	7.4	4.8	4.8
-42.5°	55.2	36.6	20.8	10.8	7.1	4.8	4.8
-45°	54.9	36.3	20.9	10.9	6.8	4.8	4.8
-47.5°	54.0	35.8	20.8	10.8	6.5	4.8	4.8
-50°	52.9	35.0	20.4	10.6	6.2	4.8	4.8
-52.5°	51.4	33.9	19.8	10.4	5.8	4.8	4.8
-55°	49.6	32.5	18.9	10.1	5.5	4.8	4.8
-57.5°	47.4	30.7	17.9	9.8	5.2	4.8	4.8
-60°	44.8	28.6	16.6	9.3	4.8	4.8	4.8
-62.5°	41.2	26.2	15.7	8.8	4.8	4.8	4.8
-65°	37.1	23.5	14.7	8.3	4.8	4.8	4.8
-67.5°	32.7	21.1	13.5	7.6	4.8	4.8	4.8
-70°	27.8	19.2	12.3	6.9	4.8	4.8	4.8
-72.5°	24.6	17.1	11.0	6.8	4.8	4.8	4.8
-75°	21.4	14.9	9.6	6.7	4.8	4.8	4.8
-77.5°	18.1	12.6	9.1	6.6	4.8	4.8	4.8
-80°	14.6	11.3	8.7	6.5	4.8	4.8	4.8
-82.5°	13.2	10.6	8.4	6.4	4.8	4.8	4.8
-85°	12.0	9.9	8.0	6.3	4.8	4.8	4.8
-87.5°	10.8	9.2	7.6	6.2	4.8	4.8	4.8
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)