

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: P627533 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-740-U-WR-XX**

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627533 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4E-740-U-WR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N103  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

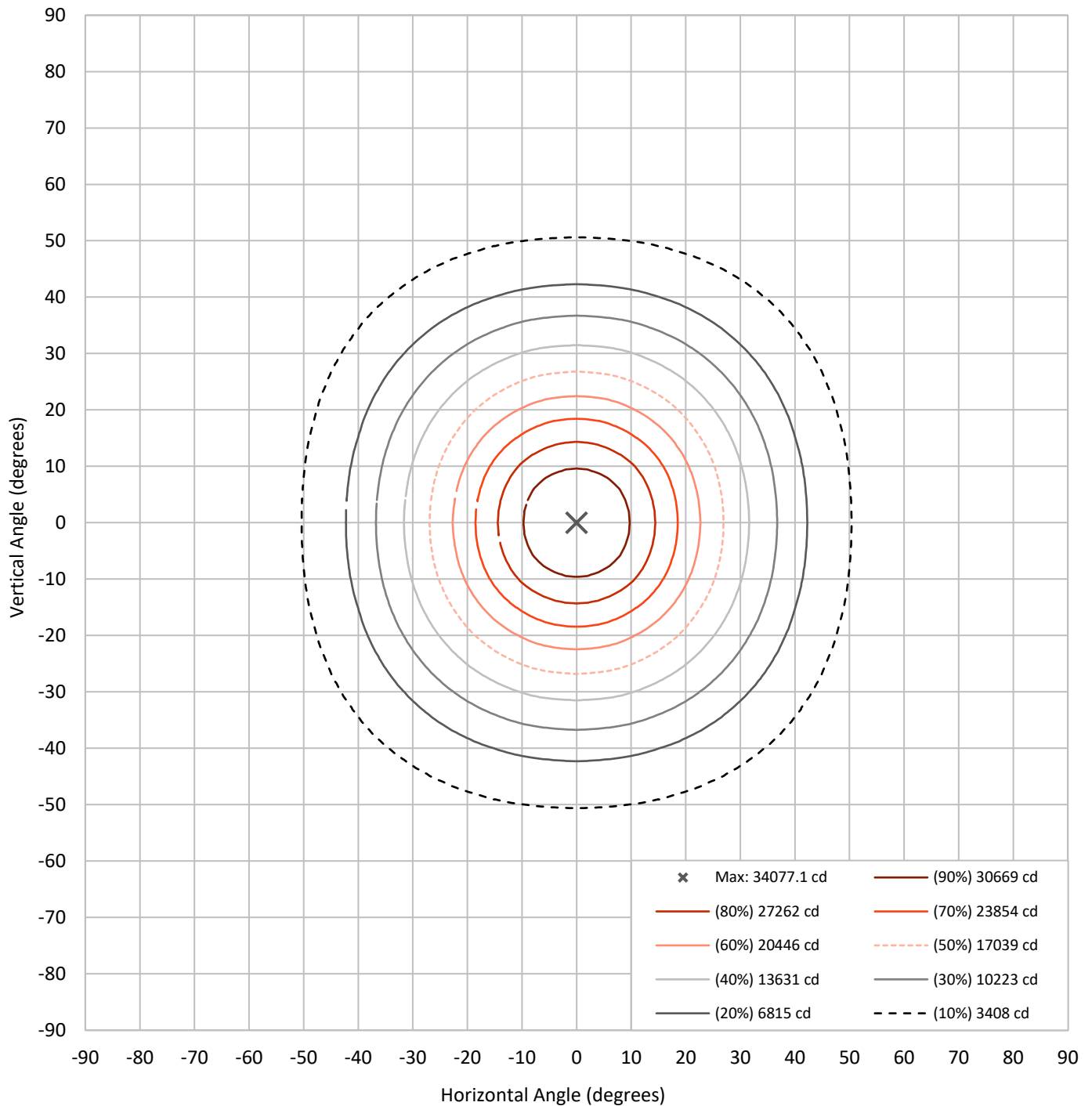
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	34682.5 lumens	Max Intensity:	34077.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	135.5 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	53.8°H x 53.6°V	Field Angle (10%):	100.8°H x 101.2°V
Beam Lumens:	16583.1 lumens	Field Lumens:	30608.5 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	255.9		
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





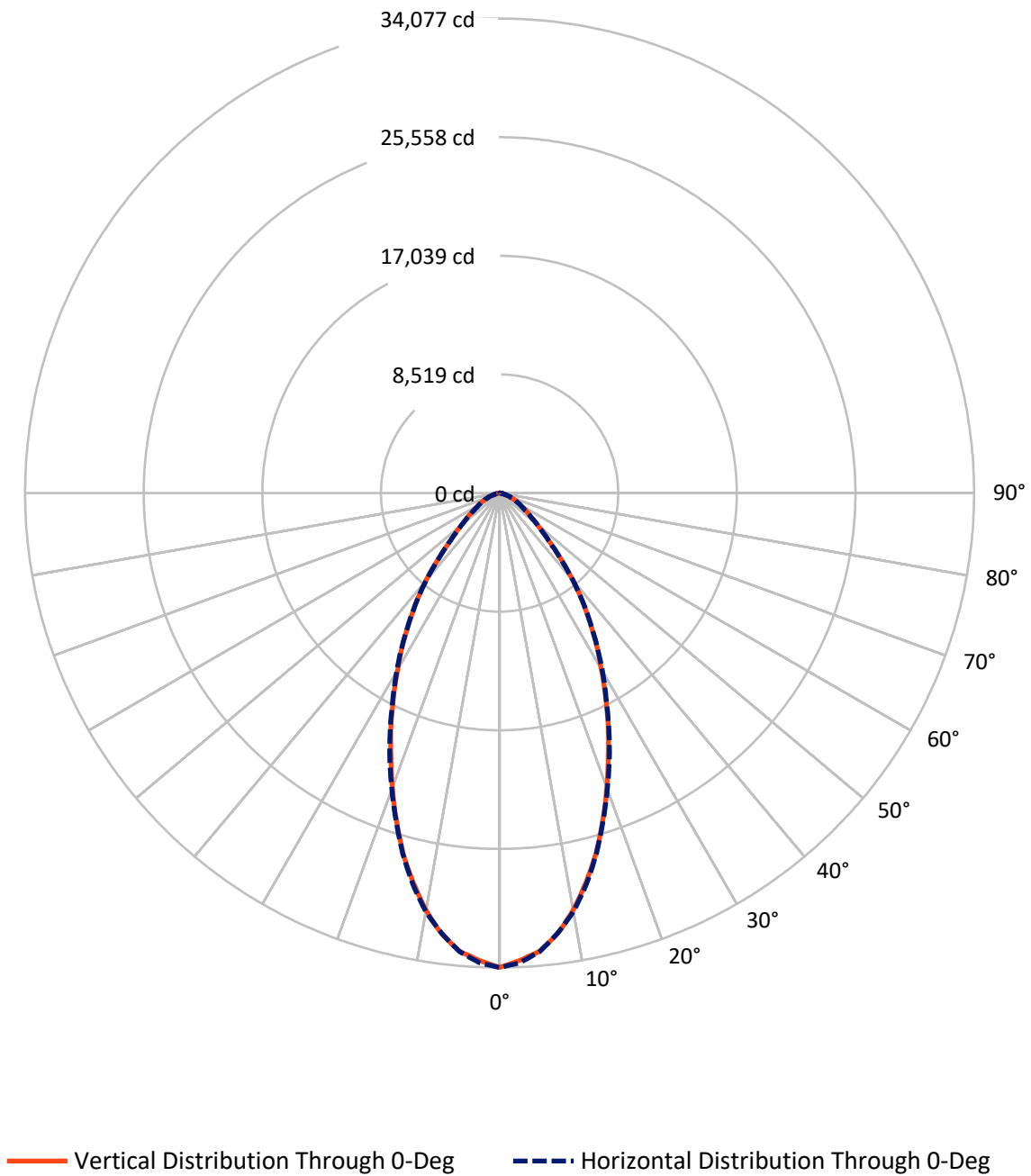
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### Lumen Table

90																			
80	1.3	9.6		21.8		36.3		31.1		36.3		21.8		9.6		1.3			
70																			
60	4.5	5.3	9.9	15.9	23.1	30.0	35.2	37.7	37.7	35.2	30.0	23.1	15.9	9.9	5.3	4.5			
50		7.5	15.0	26.0	39.9	54.9	68.5	76.4	76.4	68.5	54.9	39.9	26.0	15.0	7.5				
40	6.6	9.6	20.8	38.8	65.5	100.7	138.8	164.2	164.2	138.8	100.7	65.5	38.8	20.8	9.6	6.6			
30		11.6	27.2	56.5	109.9	195.2	283.6	336.4	336.4	283.6	195.2	109.9	56.5	27.2	11.6				
20	7.9	13.6	33.9	79.0	177.7	319.4	457.1	546.4	546.4	457.1	319.4	177.7	79.0	33.9	13.6	7.9			
10		15.1	39.8	102.5	242.5	431.3	636.8	783.4	783.4	636.8	431.3	242.5	102.5	39.8	15.1				
0	8.3	15.8	43.1	117.7	279.2	501.5	763.1	959.7	959.7	763.1	501.5	279.2	117.7	43.1	15.8	8.3			
-10		15.8	43.1	117.7	279.2	501.5	763.1	959.7	959.7	763.1	501.5	279.2	117.7	43.1	15.8				
-20	7.9	15.1	39.8	102.5	242.5	431.3	636.8	783.4	783.4	636.8	431.3	242.5	102.5	39.8	15.1	7.9			
-30		13.6	33.9	79.0	177.7	319.4	457.1	546.4	546.4	457.1	319.4	177.7	79.0	33.9	13.6				
-40	6.6	11.6	27.2	56.5	109.9	195.2	283.6	336.4	336.4	283.6	195.2	109.9	56.5	27.2	11.6	6.6			
-50		9.6	20.8	38.8	65.5	100.7	138.8	164.2	164.2	138.8	100.7	65.5	38.8	20.8	9.6				
-60	4.5	7.5	15.0	26.0	39.9	54.9	68.5	76.4	76.4	68.5	54.9	39.9	26.0	15.0	7.5	4.5			
-70		5.3	9.9	15.9	23.1	30.0	35.2	37.7	37.7	35.2	30.0	23.1	15.9	9.9	5.3				
-80																			
-90	1.3	9.6		21.8		36.3		31.1		36.3		21.8		9.6		1.3			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

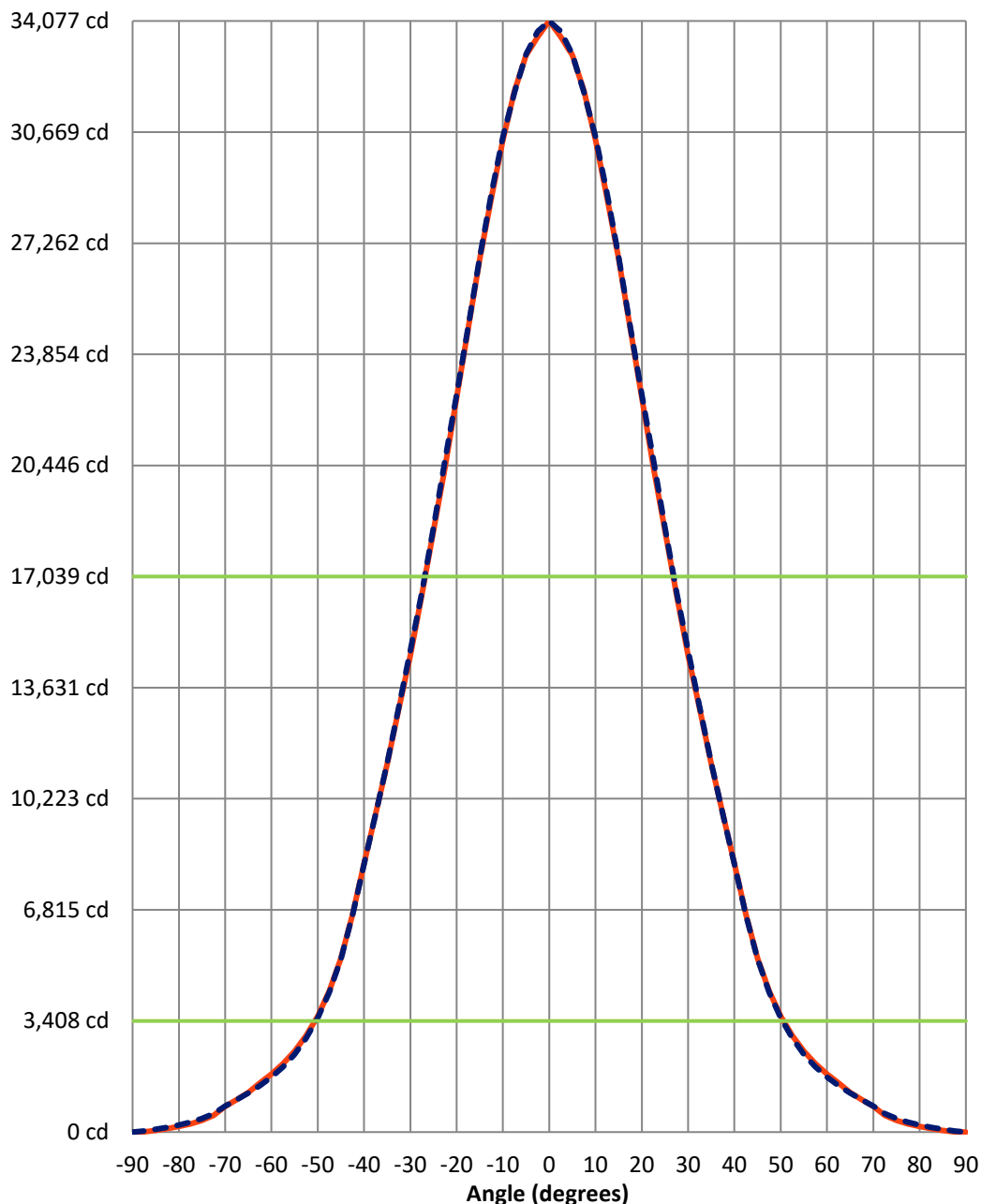
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 53.8°  
 V Angle: 53.6°  
 Lumens: 16583.1  
 Efficiency: 47.8%

**Field:**  
 H Angle: 100.8°  
 V Angle: 101.2°  
 Lumens: 30608.5  
 Efficiency: 88.3%

**Spill:**  
 Lumens: 4074  
 Efficiency: 11.7%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-Deg

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.7	4.0	6.5	9.4	12.6	16.2	17.9	19.4	20.5	21.4
85°	0.0	3.5	8.0	13.0	18.8	25.2	32.3	35.8	38.7	41.0	42.8
82.5°	0.0	5.2	11.9	19.5	28.1	37.7	48.3	53.8	59.3	68.7	77.0
80°	0.0	6.9	15.8	25.9	37.3	50.0	65.6	81.6	95.4	107.8	118.8
77.5°	0.0	8.6	19.7	32.2	46.4	65.1	93.7	114.3	131.5	146.9	162.3
75°	0.0	10.2	23.5	38.4	56.1	85.1	121.0	147.0	167.6	188.6	211.0
72.5°	0.0	11.9	27.2	44.5	69.5	104.5	147.4	179.0	203.9	230.6	259.0
70°	0.0	13.5	30.8	50.8	82.5	123.2	172.4	209.3	239.5	271.9	310.0
67.5°	0.0	15.0	34.3	58.7	94.9	141.0	194.2	238.9	274.4	314.6	360.3
65°	0.0	16.6	37.7	66.3	106.6	157.3	214.9	267.9	308.9	355.8	407.9
62.5°	0.0	18.0	41.0	73.4	117.7	172.3	234.4	295.4	342.0	395.2	452.2
60°	0.0	19.5	44.1	80.2	128.1	186.3	252.7	321.4	373.4	433.4	495.2
57.5°	0.0	20.8	48.0	86.5	137.7	199.4	269.2	344.8	405.4	470.3	534.8
55°	0.0	22.2	51.7	92.3	146.7	211.5	284.4	363.5	436.6	505.7	572.6
52.5°	0.0	23.4	55.2	97.6	154.9	222.5	298.4	383.8	466.5	539.4	609.7
50°	0.0	24.6	58.6	102.4	162.4	232.6	311.0	402.9	495.4	572.2	650.3
47.5°	0.0	25.8	61.8	106.8	169.1	241.8	322.8	420.3	523.9	604.2	690.2
45°	0.0	26.9	64.9	111.1	175.0	249.8	336.0	436.0	544.4	638.8	728.8
42.5°	0.0	27.9	67.8	115.0	180.1	256.9	347.8	451.3	563.1	672.1	768.7
40°	0.0	28.8	70.5	119.2	184.7	262.8	358.1	466.2	581.6	703.1	807.3
37.5°	0.0	29.7	73.0	123.5	188.7	267.7	366.9	479.6	601.9	727.6	843.9
35°	0.0	30.4	75.3	127.4	192.1	273.1	374.3	491.6	621.4	754.4	881.4
32.5°	0.0	31.2	77.5	131.0	194.6	278.3	381.0	502.1	639.9	781.7	919.8
30°	0.0	31.8	79.4	134.2	196.4	282.3	388.5	512.3	657.4	809.3	955.9
27.5°	0.0	32.4	81.2	137.1	200.5	285.2	394.6	525.0	675.7	837.0	989.7
25°	0.0	32.9	82.7	139.6	204.6	286.9	399.4	536.4	696.1	864.1	1021.4
22.5°	0.0	33.3	84.0	141.7	208.1	289.2	402.8	546.4	715.6	889.0	1056.0
20°	0.0	33.6	85.2	143.5	211.2	294.4	404.8	554.8	733.9	911.3	1086.9
17.5°	0.0	33.9	86.1	144.9	213.8	298.8	409.3	561.6	750.8	931.1	1114.1
15°	0.0	34.1	86.8	145.9	215.8	302.1	414.8	568.1	765.9	948.1	1137.5
12.5°	0.0	34.2	87.3	146.6	217.3	304.6	418.7	573.9	778.8	962.3	1156.9
10°	0.0	34.2	87.6	146.8	218.3	306.2	421.2	577.1	788.9	974.1	1172.7
7.5°	0.0	34.2	87.7	146.8	218.8	306.8	422.2	577.8	795.9	983.3	1185.0
5°	0.0	34.1	87.6	146.4	218.7	306.6	421.7	576.1	799.7	989.5	1193.1
2.5°	0.0	33.9	87.2	145.6	218.0	305.5	419.9	572.2	800.2	992.6	1197.2
0°	0.0	33.7	86.7	144.5	216.8	303.5	416.7	566.0	797.2	992.3	1197.0
-2.5°	0.0	33.9	87.2	145.6	218.0	305.5	419.9	572.2	800.2	992.6	1197.2
-5°	0.0	34.1	87.6	146.4	218.7	306.6	421.7	576.1	799.7	989.5	1193.1
-7.5°	0.0	34.2	87.7	146.8	218.8	306.8	422.2	577.8	795.9	983.3	1185.0
-10°	0.0	34.2	87.6	146.8	218.3	306.2	421.2	577.1	788.9	974.1	1172.7
-12.5°	0.0	34.2	87.3	146.6	217.3	304.6	418.7	573.9	778.8	962.3	1156.9
-15°	0.0	34.1	86.8	145.9	215.8	302.1	414.8	568.1	765.9	948.1	1137.5
-17.5°	0.0	33.9	86.1	144.9	213.8	298.8	409.3	561.6	750.8	931.1	1114.1
-20°	0.0	33.6	85.2	143.5	211.2	294.4	404.8	554.8	733.9	911.3	1086.9

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA4E-740-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	33.3	84.0	141.7	208.1	289.2	402.8	546.4	715.6	889.0	1056.0
-25°	0.0	32.9	82.7	139.6	204.6	286.9	399.4	536.4	696.1	864.1	1021.4
-27.5°	0.0	32.4	81.2	137.1	200.5	285.2	394.6	525.0	675.7	837.0	989.7
-30°	0.0	31.8	79.4	134.2	196.4	282.3	388.5	512.3	657.4	809.3	955.9
-32.5°	0.0	31.2	77.5	131.0	194.6	278.3	381.0	502.1	639.9	781.7	919.8
-35°	0.0	30.4	75.3	127.4	192.1	273.1	374.3	491.6	621.4	754.4	881.4
-37.5°	0.0	29.7	73.0	123.5	188.7	267.7	366.9	479.6	601.9	727.6	843.9
-40°	0.0	28.8	70.5	119.2	184.7	262.8	358.1	466.2	581.6	703.1	807.3
-42.5°	0.0	27.9	67.8	115.0	180.1	256.9	347.8	451.3	563.1	672.1	768.7
-45°	0.0	26.9	64.9	111.1	175.0	249.8	336.0	436.0	544.4	638.8	728.8
-47.5°	0.0	25.8	61.8	106.8	169.1	241.8	322.8	420.3	523.9	604.2	690.2
-50°	0.0	24.6	58.6	102.4	162.4	232.6	311.0	402.9	495.4	572.2	650.3
-52.5°	0.0	23.4	55.2	97.6	154.9	222.5	298.4	383.8	466.5	539.4	609.7
-55°	0.0	22.2	51.7	92.3	146.7	211.5	284.4	363.5	436.6	505.7	572.6
-57.5°	0.0	20.8	48.0	86.5	137.7	199.4	269.2	344.8	405.4	470.3	534.8
-60°	0.0	19.5	44.1	80.2	128.1	186.3	252.7	321.4	373.4	433.4	495.2
-62.5°	0.0	18.0	41.0	73.4	117.7	172.3	234.4	295.4	342.0	395.2	452.2
-65°	0.0	16.6	37.7	66.3	106.6	157.3	214.9	267.9	308.9	355.8	407.9
-67.5°	0.0	15.0	34.3	58.7	94.9	141.0	194.2	238.9	274.4	314.6	360.3
-70°	0.0	13.5	30.8	50.8	82.5	123.2	172.4	209.3	239.5	271.9	310.0
-72.5°	0.0	11.9	27.2	44.5	69.5	104.5	147.4	179.0	203.9	230.6	259.0
-75°	0.0	10.2	23.5	38.4	56.1	85.1	121.0	147.0	167.6	188.6	211.0
-77.5°	0.0	8.6	19.7	32.2	46.4	65.1	93.7	114.3	131.5	146.9	162.3
-80°	0.0	6.9	15.8	25.9	37.3	50.0	65.6	81.6	95.4	107.8	118.8
-82.5°	0.0	5.2	11.9	19.5	28.1	37.7	48.3	53.8	59.3	68.7	77.0
-85°	0.0	3.5	8.0	13.0	18.8	25.2	32.3	35.8	38.7	41.0	42.8
-87.5°	0.0	1.7	4.0	6.5	9.4	12.6	16.2	17.9	19.4	20.5	21.4
-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):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	21.7	21.7	21.4	20.7	19.8	18.6	17.1	15.4	16.0	16.6	17.2
85°	43.5	43.4	47.0	50.3	51.9	52.1	51.1	48.9	55.2	62.5	70.2
82.5°	84.8	92.1	99.1	105.6	106.3	104.6	101.4	97.6	110.5	126.1	142.4
80°	129.9	140.8	153.3	165.0	167.8	166.6	163.0	157.0	174.0	198.0	223.9
77.5°	180.4	197.6	213.6	228.4	232.7	232.0	229.3	224.5	246.1	279.4	314.0
75°	233.5	254.4	275.1	293.2	300.9	301.6	300.7	305.8	334.2	373.2	407.5
72.5°	288.9	315.5	338.8	358.7	371.2	380.7	393.4	408.9	437.6	475.8	509.5
70°	347.5	377.0	401.5	423.7	442.8	463.6	490.3	516.8	547.0	585.2	620.2
67.5°	405.4	435.2	462.9	490.2	525.0	558.4	591.5	626.1	664.2	704.3	739.7
65°	458.9	492.7	526.5	566.1	611.4	649.2	690.1	735.0	785.0	830.1	871.2
62.5°	510.3	548.4	590.3	638.2	687.1	734.4	789.3	847.1	905.5	962.1	1018.2
60°	553.8	601.2	652.0	706.0	762.6	827.0	891.4	960.0	1029.8	1097.9	1167.4
57.5°	595.5	654.2	712.7	775.6	846.2	919.8	997.0	1074.4	1157.8	1240.2	1319.1
55°	638.9	707.9	774.6	849.2	930.0	1016.5	1103.7	1197.5	1289.6	1393.4	1489.3
52.5°	685.2	760.3	838.7	924.0	1018.4	1115.9	1218.2	1325.7	1440.4	1555.8	1672.9
50°	730.3	815.0	902.2	1004.3	1109.9	1221.3	1339.4	1464.7	1598.2	1731.8	1873.5
47.5°	777.5	868.0	974.4	1085.3	1206.2	1333.1	1466.8	1615.8	1764.2	1932.4	2094.9
45°	824.1	928.1	1043.7	1172.5	1305.2	1448.0	1607.1	1770.7	1960.2	2150.2	2363.7
42.5°	868.8	988.7	1119.2	1256.8	1407.9	1572.0	1748.1	1953.8	2167.5	2402.6	2653.2
40°	920.2	1046.7	1193.6	1347.5	1511.2	1698.8	1910.7	2139.1	2399.7	2678.3	2962.9
37.5°	970.0	1112.1	1267.0	1434.0	1623.9	1835.3	2069.2	2349.2	2649.8	2966.6	3353.8
35°	1016.7	1174.3	1342.7	1525.5	1731.3	1976.2	2256.0	2565.4	2911.8	3320.3	3772.1
32.5°	1066.3	1233.3	1414.1	1619.2	1852.2	2119.7	2437.4	2801.6	3211.6	3676.8	4242.1
30°	1116.3	1293.9	1485.0	1707.0	1966.1	2275.7	2636.7	3039.2	3510.9	4094.4	4758.0
27.5°	1162.6	1350.6	1559.9	1799.9	2077.0	2419.5	2828.2	3300.1	3855.7	4515.1	5290.4
25°	1205.0	1402.2	1628.7	1888.5	2199.1	2574.9	3018.0	3540.5	4200.8	4987.1	5940.8
22.5°	1245.5	1449.3	1691.0	1968.1	2309.2	2725.2	3224.0	3821.9	4551.8	5434.2	6578.0
20°	1283.5	1500.1	1752.8	2044.3	2407.6	2861.0	3413.4	4084.5	4915.1	5959.8	7202.8
17.5°	1316.9	1544.9	1811.2	2126.7	2517.3	2998.9	3592.0	4316.4	5238.5	6429.1	7779.3
15°	1345.6	1583.6	1861.8	2198.0	2616.0	3136.0	3779.4	4570.7	5575.9	6855.9	8285.5
12.5°	1369.5	1616.0	1904.3	2258.0	2699.0	3251.9	3939.5	4797.3	5904.5	7257.9	8729.9
10°	1388.6	1641.9	1938.6	2306.5	2765.9	3346.1	4071.4	4982.7	6177.9	7602.5	9105.9
7.5°	1404.4	1662.2	1964.8	2343.2	2816.5	3418.0	4174.0	5125.7	6391.7	7875.4	9394.3
5°	1415.7	1676.8	1984.8	2369.0	2853.6	3468.1	4245.9	5225.8	6543.7	8073.2	9591.6
2.5°	1422.1	1684.7	1996.2	2382.7	2876.4	3496.5	4283.5	5288.6	6627.3	8186.0	9710.8
0°	1423.4	1685.9	1999.0	2384.4	2882.9	3501.9	4289.4	5308.2	6644.9	8215.2	9754.2
-2.5°	1422.1	1684.7	1996.2	2382.7	2876.4	3496.5	4283.5	5288.6	6627.3	8186.0	9710.8
-5°	1415.7	1676.8	1984.8	2369.0	2853.6	3468.1	4245.9	5225.8	6543.7	8073.2	9591.6
-7.5°	1404.4	1662.2	1964.8	2343.2	2816.5	3418.0	4174.0	5125.7	6391.7	7875.4	9394.3
-10°	1388.6	1641.9	1938.6	2306.5	2765.9	3346.1	4071.4	4982.7	6177.9	7602.5	9105.9
-12.5°	1369.5	1616.0	1904.3	2258.0	2699.0	3251.9	3939.5	4797.3	5904.5	7257.9	8729.9
-15°	1345.6	1583.6	1861.8	2198.0	2616.0	3136.0	3779.4	4570.7	5575.9	6855.9	8285.5
-17.5°	1316.9	1544.9	1811.2	2126.7	2517.3	2998.9	3592.0	4316.4	5238.5	6429.1	7779.3
-20°	1283.5	1500.1	1752.8	2044.3	2407.6	2861.0	3413.4	4084.5	4915.1	5959.8	7202.8



REPORT NUMBER: P627533 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1245.5	1449.3	1691.0	1968.1	2309.2	2725.2	3224.0	3821.9	4551.8	5434.2	6578.0
-25°	1205.0	1402.2	1628.7	1888.5	2199.1	2574.9	3018.0	3540.5	4200.8	4987.1	5940.8
-27.5°	1162.6	1350.6	1559.9	1799.9	2077.0	2419.5	2828.2	3300.1	3855.7	4515.1	5290.4
-30°	1116.3	1293.9	1485.0	1707.0	1966.1	2275.7	2636.7	3039.2	3510.9	4094.4	4758.0
-32.5°	1066.3	1233.3	1414.1	1619.2	1852.2	2119.7	2437.4	2801.6	3211.6	3676.8	4242.1
-35°	1016.7	1174.3	1342.7	1525.5	1731.3	1976.2	2256.0	2565.4	2911.8	3320.3	3772.1
-37.5°	970.0	1112.1	1267.0	1434.0	1623.9	1835.3	2069.2	2349.2	2649.8	2966.6	3353.8
-40°	920.2	1046.7	1193.6	1347.5	1511.2	1698.8	1910.7	2139.1	2399.7	2678.3	2962.9
-42.5°	868.8	988.7	1119.2	1256.8	1407.9	1572.0	1748.1	1953.8	2167.5	2402.6	2653.2
-45°	824.1	928.1	1043.7	1172.5	1305.2	1448.0	1607.1	1770.7	1960.2	2150.2	2363.7
-47.5°	777.5	868.0	974.4	1085.3	1206.2	1333.1	1466.8	1615.8	1764.2	1932.4	2094.9
-50°	730.3	815.0	902.2	1004.3	1109.9	1221.3	1339.4	1464.7	1598.2	1731.8	1873.5
-52.5°	685.2	760.3	838.7	924.0	1018.4	1115.9	1218.2	1325.7	1440.4	1555.8	1672.9
-55°	638.9	707.9	774.6	849.2	930.0	1016.5	1103.7	1197.5	1289.6	1393.4	1489.3
-57.5°	595.5	654.2	712.7	775.6	846.2	919.8	997.0	1074.4	1157.8	1240.2	1319.1
-60°	553.8	601.2	652.0	706.0	762.6	827.0	891.4	960.0	1029.8	1097.9	1167.4
-62.5°	510.3	548.4	590.3	638.2	687.1	734.4	789.3	847.1	905.5	962.1	1018.2
-65°	458.9	492.7	526.5	566.1	611.4	649.2	690.1	735.0	785.0	830.1	871.2
-67.5°	405.4	435.2	462.9	490.2	525.0	558.4	591.5	626.1	664.2	704.3	739.7
-70°	347.5	377.0	401.5	423.7	442.8	463.6	490.3	516.8	547.0	585.2	620.2
-72.5°	288.9	315.5	338.8	358.7	371.2	380.7	393.4	408.9	437.6	475.8	509.5
-75°	233.5	254.4	275.1	293.2	300.9	301.6	300.7	305.8	334.2	373.2	407.5
-77.5°	180.4	197.6	213.6	228.4	232.7	232.0	229.3	224.5	246.1	279.4	314.0
-80°	129.9	140.8	153.3	165.0	167.8	166.6	163.0	157.0	174.0	198.0	223.9
-82.5°	84.8	92.1	99.1	105.6	106.3	104.6	101.4	97.6	110.5	126.1	142.4
-85°	43.5	43.4	47.0	50.3	51.9	52.1	51.1	48.9	55.2	62.5	70.2
-87.5°	21.7	21.7	21.4	20.7	19.8	18.6	17.1	15.4	16.0	16.6	17.2
-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: P627533 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.8	17.3	16.7	16.1	15.3	15.1	14.8	14.4	14.0	13.0	11.9
85°	78.4	80.1	81.0	81.5	81.5	84.1	86.6	88.8	90.7	82.2	72.9
82.5°	159.3	166.8	173.3	179.8	186.3	190.7	194.0	196.4	198.0	179.2	158.2
80°	250.7	266.4	279.4	291.8	303.7	306.7	306.6	304.9	301.7	276.0	247.0
77.5°	348.7	369.2	385.5	401.7	417.6	423.5	426.3	428.5	430.0	398.2	359.1
75°	437.5	462.0	484.9	506.1	525.6	536.0	542.1	547.1	551.0	519.1	477.2
72.5°	538.8	564.8	589.5	613.0	633.7	647.5	656.4	663.8	669.6	651.4	625.2
70°	650.2	677.1	703.2	727.6	751.1	769.5	784.1	796.6	807.0	809.0	808.1
67.5°	774.0	805.7	836.7	863.3	891.2	917.3	940.2	959.3	974.5	984.5	990.2
65°	912.8	960.5	1002.9	1038.9	1069.0	1103.7	1134.5	1157.9	1174.5	1187.0	1197.8
62.5°	1076.5	1134.3	1182.8	1230.7	1280.2	1328.2	1358.3	1388.4	1417.9	1445.7	1469.4
60°	1233.9	1297.3	1363.0	1424.2	1480.9	1533.0	1586.9	1634.7	1676.5	1711.5	1737.6
57.5°	1401.8	1478.9	1553.6	1631.3	1704.4	1772.6	1839.2	1900.7	1953.9	1998.6	2035.2
55°	1584.0	1678.2	1767.0	1865.7	1961.3	2048.5	2128.8	2211.1	2285.3	2350.5	2402.3
52.5°	1780.3	1903.0	2020.5	2136.3	2260.3	2372.1	2472.3	2586.4	2687.5	2771.2	2836.3
50°	2014.8	2158.9	2314.0	2457.6	2613.9	2767.9	2909.9	3047.4	3181.9	3298.3	3392.3
47.5°	2281.8	2459.1	2651.3	2841.7	3035.8	3246.3	3434.1	3608.6	3796.7	3959.9	4090.9
45°	2578.6	2804.7	3036.9	3304.4	3550.9	3821.3	4071.6	4296.4	4563.0	4797.9	4987.1
42.5°	2907.9	3209.0	3514.3	3851.3	4178.3	4521.7	4886.3	5209.7	5563.4	5900.6	6173.1
40°	3316.0	3676.0	4084.9	4492.8	4962.1	5403.0	5934.2	6417.0	6855.4	7257.5	7587.0
37.5°	3769.5	4232.9	4746.6	5277.9	5920.2	6549.6	7171.5	7758.5	8276.8	8716.9	9086.0
35°	4284.3	4873.2	5495.4	6271.0	7023.5	7777.4	8479.8	9121.4	9685.1	10181.6	10603.8
32.5°	4876.5	5583.3	6454.3	7325.7	8184.0	9014.1	9785.2	10485.0	11103.2	11660.7	12146.2
30°	5499.2	6463.5	7441.1	8397.0	9334.4	10243.7	11089.9	11860.8	12559.4	13180.0	13739.3
27.5°	6290.3	7359.0	8425.1	9455.5	10486.8	11481.9	12399.1	13255.4	14057.0	14758.3	15397.7
25°	7055.6	8236.3	9369.5	10493.0	11615.6	12683.9	13709.5	14676.7	15594.8	16399.8	17113.6
22.5°	7820.8	9056.5	10267.5	11475.6	12681.4	13872.5	15024.0	16132.1	17158.8	18075.5	18879.0
20°	8529.5	9821.3	11116.2	12418.6	13725.8	15029.5	16322.8	17569.8	18713.6	19771.9	20701.9
17.5°	9164.8	10538.7	11911.6	13304.7	14721.7	16137.1	17573.8	18971.7	20279.3	21483.4	22562.3
15°	9727.5	11161.1	12635.5	14138.8	15660.4	17197.6	18765.3	20329.3	21801.3	23169.0	24373.4
12.5°	10219.4	11709.8	13255.2	14852.5	16504.0	18178.6	19889.5	21603.9	23233.5	24812.4	26113.0
10°	10625.3	12176.5	13791.8	15470.1	17211.7	19014.0	20849.5	22695.1	24490.4	26165.4	27652.6
7.5°	10938.8	12548.1	14212.6	15958.1	17785.3	19685.9	21630.3	23588.8	25504.7	27309.5	28955.1
5°	11159.9	12818.5	14504.0	16319.7	18210.3	20180.0	22200.8	24241.7	26244.6	28142.3	29847.7
2.5°	11288.3	12981.0	14673.7	16539.5	18463.1	20478.9	22554.6	24629.0	26684.7	28653.0	30405.5
0°	<b>11322.1</b>	<b>13029.7</b>	<b>14771.0</b>	<b>16562.9</b>	<b>18542.6</b>	<b>20618.7</b>	<b>22620.1</b>	<b>24701.0</b>	<b>26837.3</b>	<b>28778.5</b>	<b>30524.6</b>
-2.5°	11288.3	12981.0	14673.7	16539.5	18463.1	20478.9	22554.6	24629.0	26684.7	28653.0	30405.5
-5°	11159.9	12818.5	14504.0	16319.7	18210.3	20180.0	22200.8	24241.7	26244.6	28142.3	29847.7
-7.5°	10938.8	12548.1	14212.6	15958.1	17785.3	19685.9	21630.3	23588.8	25504.7	27309.5	28955.1
-10°	10625.3	12176.5	13791.8	15470.1	17211.7	19014.0	20849.5	22695.1	24490.4	26165.4	27652.6
-12.5°	10219.4	11709.8	13255.2	14852.5	16504.0	18178.6	19889.5	21603.9	23233.5	24812.4	26113.0
-15°	9727.5	11161.1	12635.5	14138.8	15660.4	17197.6	18765.3	20329.3	21801.3	23169.0	24373.4
-17.5°	9164.8	10538.7	11911.6	13304.7	14721.7	16137.1	17573.8	18971.7	20279.3	21483.4	22562.3
-20°	8529.5	9821.3	11116.2	12418.6	13725.8	15029.5	16322.8	17569.8	18713.6	19771.9	20701.9



REPORT NUMBER: P627533 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7820.8	9056.5	10267.5	11475.6	12681.4	13872.5	15024.0	16132.1	17158.8	18075.5	18879.0
-25°	7055.6	8236.3	9369.5	10493.0	11615.6	12683.9	13709.5	14676.7	15594.8	16399.8	17113.6
-27.5°	6290.3	7359.0	8425.1	9455.5	10486.8	11481.9	12399.1	13255.4	14057.0	14758.3	15397.7
-30°	5499.2	6463.5	7441.1	8397.0	9334.4	10243.7	11089.9	11860.8	12559.4	13180.0	13739.3
-32.5°	4876.5	5583.3	6454.3	7325.7	8184.0	9014.1	9785.2	10485.0	11103.2	11660.7	12146.2
-35°	4284.3	4873.2	5495.4	6271.0	7023.5	7777.4	8479.8	9121.4	9685.1	10181.6	10603.8
-37.5°	3769.5	4232.9	4746.6	5277.9	5920.2	6549.6	7171.5	7758.5	8276.8	8716.9	9086.0
-40°	3316.0	3676.0	4084.9	4492.8	4962.1	5403.0	5934.2	6417.0	6855.4	7257.5	7587.0
-42.5°	2907.9	3209.0	3514.3	3851.3	4178.3	4521.7	4886.3	5209.7	5563.4	5900.6	6173.1
-45°	2578.6	2804.7	3036.9	3304.4	3550.9	3821.3	4071.6	4296.4	4563.0	4797.9	4987.1
-47.5°	2281.8	2459.1	2651.3	2841.7	3035.8	3246.3	3434.1	3608.6	3796.7	3959.9	4090.9
-50°	2014.8	2158.9	2314.0	2457.6	2613.9	2767.9	2909.9	3047.4	3181.9	3298.3	3392.3
-52.5°	1780.3	1903.0	2020.5	2136.3	2260.3	2372.1	2472.3	2586.4	2687.5	2771.2	2836.3
-55°	1584.0	1678.2	1767.0	1865.7	1961.3	2048.5	2128.8	2211.1	2285.3	2350.5	2402.3
-57.5°	1401.8	1478.9	1553.6	1631.3	1704.4	1772.6	1839.2	1900.7	1953.9	1998.6	2035.2
-60°	1233.9	1297.3	1363.0	1424.2	1480.9	1533.0	1586.9	1634.7	1676.5	1711.5	1737.6
-62.5°	1076.5	1134.3	1182.8	1230.7	1280.2	1328.2	1358.3	1388.4	1417.9	1445.7	1469.4
-65°	912.8	960.5	1002.9	1038.9	1069.0	1103.7	1134.5	1157.9	1174.5	1187.0	1197.8
-67.5°	774.0	805.7	836.7	863.3	891.2	917.3	940.2	959.3	974.5	984.5	990.2
-70°	650.2	677.1	703.2	727.6	751.1	769.5	784.1	796.6	807.0	809.0	808.1
-72.5°	538.8	564.8	589.5	613.0	633.7	647.5	656.4	663.8	669.6	651.4	625.2
-75°	437.5	462.0	484.9	506.1	525.6	536.0	542.1	547.1	551.0	519.1	477.2
-77.5°	348.7	369.2	385.5	401.7	417.6	423.5	426.3	428.5	430.0	398.2	359.1
-80°	250.7	266.4	279.4	291.8	303.7	306.7	306.6	304.9	301.7	276.0	247.0
-82.5°	159.3	166.8	173.3	179.8	186.3	190.7	194.0	196.4	198.0	179.2	158.2
-85°	78.4	80.1	81.0	81.5	81.5	84.1	86.6	88.8	90.7	82.2	72.9
-87.5°	17.8	17.3	16.7	16.1	15.3	15.1	14.8	14.4	14.0	13.0	11.9
-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: P627533 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.7	9.6	8.4	7.2	8.4	9.6	10.7	11.9	13.0	14.0	14.4
85°	63.0	52.8	51.7	50.6	51.7	52.8	63.0	72.9	82.2	90.7	88.8
82.5°	136.0	112.9	109.5	106.0	109.5	112.9	136.0	158.2	179.2	198.0	196.4
80°	216.7	185.4	179.3	173.4	179.3	185.4	216.7	247.0	276.0	301.7	304.9
77.5°	317.9	275.0	262.4	250.5	262.4	275.0	317.9	359.1	398.2	430.0	428.5
75°	433.6	388.4	373.2	358.9	373.2	388.4	433.6	477.2	519.1	551.0	547.1
72.5°	598.7	571.2	543.4	513.0	543.4	571.2	598.7	625.2	651.4	669.6	663.8
70°	807.3	805.3	798.3	787.6	798.3	805.3	807.3	808.1	809.0	807.0	796.6
67.5°	992.6	991.8	994.2	994.7	994.2	991.8	992.6	990.2	984.5	974.5	959.3
65°	1204.4	1206.7	1211.7	1213.9	1211.7	1206.7	1204.4	1197.8	1187.0	1174.5	1157.9
62.5°	1487.6	1499.9	1506.0	1505.3	1506.0	1499.9	1487.6	1469.4	1445.7	1417.9	1388.4
60°	1757.0	1769.7	1777.8	1779.8	1777.8	1769.7	1757.0	1737.6	1711.5	1676.5	1634.7
57.5°	2064.2	2085.1	2096.2	2097.8	2096.2	2085.1	2064.2	2035.2	1998.6	1953.9	1900.7
55°	2442.0	2469.7	2482.1	2480.7	2482.1	2469.7	2442.0	2402.3	2350.5	2285.3	2211.1
52.5°	2885.5	2919.3	2944.6	2960.0	2944.6	2919.3	2885.5	2836.3	2771.2	2687.5	2586.4
50°	3463.0	3511.5	3542.3	3554.9	3542.3	3511.5	3463.0	3392.3	3298.3	3181.9	3047.4
47.5°	4185.5	4249.7	4297.3	4330.4	4297.3	4249.7	4185.5	4090.9	3959.9	3796.7	3608.6
45°	5126.7	5224.6	5291.0	5329.9	5291.0	5224.6	5126.7	4987.1	4797.9	4563.0	4296.4
42.5°	6385.9	6537.8	6630.9	6666.6	6630.9	6537.8	6385.9	6173.1	5900.6	5563.4	5209.7
40°	7847.2	8029.7	8149.4	8232.1	8149.4	8029.7	7847.2	7587.0	7257.5	6855.4	6417.0
37.5°	9369.3	9561.0	9677.5	9756.6	9677.5	9561.0	9369.3	9086.0	8716.9	8276.8	7758.5
35°	10922.1	11122.6	11232.0	11293.2	11232.0	11122.6	10922.1	10603.8	10181.6	9685.1	9121.4
32.5°	12516.2	12737.3	12856.2	12979.1	12856.2	12737.3	12516.2	12146.2	11660.7	11103.2	10485.0
30°	14181.3	14434.9	14559.3	14619.3	14559.3	14434.9	14181.3	13739.3	13180.0	12559.4	11860.8
27.5°	15913.7	16229.9	16385.7	16488.2	16385.7	16229.9	15913.7	15397.7	14758.3	14057.0	13255.4
25°	17716.4	18108.3	18286.6	18446.3	18286.6	18108.3	17716.4	17113.6	16399.8	15594.8	14676.7
22.5°	19586.8	20074.7	20281.3	20394.7	20281.3	20074.7	19586.8	18879.0	18075.5	17158.8	16132.1
20°	21506.0	22089.0	22376.0	22523.8	22376.0	22089.0	21506.0	20701.9	19771.9	18713.6	17569.8
17.5°	23468.5	24193.7	24565.1	24650.4	24565.1	24193.7	23468.5	22562.3	21483.4	20279.3	18971.7
15°	25395.2	26179.6	26618.7	26779.5	26618.7	26179.6	25395.2	24373.4	23169.0	21801.3	20329.3
12.5°	27219.8	28032.7	28557.4	28650.8	28557.4	28032.7	27219.8	26113.0	24812.4	23233.5	21603.9
10°	28874.5	29716.7	30296.2	30428.3	30296.2	29716.7	28874.5	27652.6	26165.4	24490.4	22695.1
7.5°	30257.9	31182.0	31822.1	31933.6	31822.1	31182.0	30257.9	28955.1	27309.5	25504.7	23588.8
5°	31270.0	32367.2	32892.7	33024.6	32892.7	32367.2	31270.0	29847.7	28142.3	26244.6	24241.7
2.5°	31825.3	32942.2	33672.5	33588.2	33672.5	32942.2	31825.3	30405.5	28653.0	26684.7	24629.0
0°	31887.8	33055.9	33754.3	34077.1	33754.3	33055.9	31887.8	30524.6	28778.5	26837.3	24701.0
-2.5°	31825.3	32942.2	33672.5	33588.2	33672.5	32942.2	31825.3	30405.5	28653.0	26684.7	24629.0
-5°	31270.0	32367.2	32892.7	33024.6	32892.7	32367.2	31270.0	29847.7	28142.3	26244.6	24241.7
-7.5°	30257.9	31182.0	31822.1	31933.6	31822.1	31182.0	30257.9	28955.1	27309.5	25504.7	23588.8
-10°	28874.5	29716.7	30296.2	30428.3	30296.2	29716.7	28874.5	27652.6	26165.4	24490.4	22695.1
-12.5°	27219.8	28032.7	28557.4	28650.8	28557.4	28032.7	27219.8	26113.0	24812.4	23233.5	21603.9
-15°	25395.2	26179.6	26618.7	26779.5	26618.7	26179.6	25395.2	24373.4	23169.0	21801.3	20329.3
-17.5°	23468.5	24193.7	24565.1	24650.4	24565.1	24193.7	23468.5	22562.3	21483.4	20279.3	18971.7
-20°	21506.0	22089.0	22376.0	22523.8	22376.0	22089.0	21506.0	20701.9	19771.9	18713.6	17569.8



REPORT NUMBER: P627533 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19586.8	20074.7	20281.3	20394.7	20281.3	20074.7	19586.8	18879.0	18075.5	17158.8	16132.1
-25°	17716.4	18108.3	18286.6	18446.3	18286.6	18108.3	17716.4	17113.6	16399.8	15594.8	14676.7
-27.5°	15913.7	16229.9	16385.7	16488.2	16385.7	16229.9	15913.7	15397.7	14758.3	14057.0	13255.4
-30°	14181.3	14434.9	14559.3	14619.3	14559.3	14434.9	14181.3	13739.3	13180.0	12559.4	11860.8
-32.5°	12516.2	12737.3	12856.2	12979.1	12856.2	12737.3	12516.2	12146.2	11660.7	11103.2	10485.0
-35°	10922.1	11122.6	11232.0	11293.2	11232.0	11122.6	10922.1	10603.8	10181.6	9685.1	9121.4
-37.5°	9369.3	9561.0	9677.5	9756.6	9677.5	9561.0	9369.3	9086.0	8716.9	8276.8	7758.5
-40°	7847.2	8029.7	8149.4	8232.1	8149.4	8029.7	7847.2	7587.0	7257.5	6855.4	6417.0
-42.5°	6385.9	6537.8	6630.9	6666.6	6630.9	6537.8	6385.9	6173.1	5900.6	5563.4	5209.7
-45°	5126.7	5224.6	5291.0	5329.9	5291.0	5224.6	5126.7	4987.1	4797.9	4563.0	4296.4
-47.5°	4185.5	4249.7	4297.3	4330.4	4297.3	4249.7	4185.5	4090.9	3959.9	3796.7	3608.6
-50°	3463.0	3511.5	3542.3	3554.9	3542.3	3511.5	3463.0	3392.3	3298.3	3181.9	3047.4
-52.5°	2885.5	2919.3	2944.6	2960.0	2944.6	2919.3	2885.5	2836.3	2771.2	2687.5	2586.4
-55°	2442.0	2469.7	2482.1	2480.7	2482.1	2469.7	2442.0	2402.3	2350.5	2285.3	2211.1
-57.5°	2064.2	2085.1	2096.2	2097.8	2096.2	2085.1	2064.2	2035.2	1998.6	1953.9	1900.7
-60°	1757.0	1769.7	1777.8	1779.8	1777.8	1769.7	1757.0	1737.6	1711.5	1676.5	1634.7
-62.5°	1487.6	1499.9	1506.0	1505.3	1506.0	1499.9	1487.6	1469.4	1445.7	1417.9	1388.4
-65°	1204.4	1206.7	1211.7	1213.9	1211.7	1206.7	1204.4	1197.8	1187.0	1174.5	1157.9
-67.5°	992.6	991.8	994.2	994.7	994.2	991.8	992.6	990.2	984.5	974.5	959.3
-70°	807.3	805.3	798.3	787.6	798.3	805.3	807.3	808.1	809.0	807.0	796.6
-72.5°	598.7	571.2	543.4	513.0	543.4	571.2	598.7	625.2	651.4	669.6	663.8
-75°	433.6	388.4	373.2	358.9	373.2	388.4	433.6	477.2	519.1	551.0	547.1
-77.5°	317.9	275.0	262.4	250.5	262.4	275.0	317.9	359.1	398.2	430.0	428.5
-80°	216.7	185.4	179.3	173.4	179.3	185.4	216.7	247.0	276.0	301.7	304.9
-82.5°	136.0	112.9	109.5	106.0	109.5	112.9	136.0	158.2	179.2	198.0	196.4
-85°	63.0	52.8	51.7	50.6	51.7	52.8	63.0	72.9	82.2	90.7	88.8
-87.5°	10.7	9.6	8.4	7.2	8.4	9.6	10.7	11.9	13.0	14.0	14.4
-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: P627533 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.8	15.1	15.3	16.1	16.7	17.3	17.8	17.2	16.6	16.0	15.4
85°	86.6	84.1	81.5	81.5	81.0	80.1	78.4	70.2	62.5	55.2	48.9
82.5°	194.0	190.7	186.3	179.8	173.3	166.8	159.3	142.4	126.1	110.5	97.6
80°	306.6	306.7	303.7	291.8	279.4	266.4	250.7	223.9	198.0	174.0	157.0
77.5°	426.3	423.5	417.6	401.7	385.5	369.2	348.7	314.0	279.4	246.1	224.5
75°	542.1	536.0	525.6	506.1	484.9	462.0	437.5	407.5	373.2	334.2	305.8
72.5°	656.4	647.5	633.7	613.0	589.5	564.8	538.8	509.5	475.8	437.6	408.9
70°	784.1	769.5	751.1	727.6	703.2	677.1	650.2	620.2	585.2	547.0	516.8
67.5°	940.2	917.3	891.2	863.3	836.7	805.7	774.0	739.7	704.3	664.2	626.1
65°	1134.5	1103.7	1069.0	1038.9	1002.9	960.5	912.8	871.2	830.1	785.0	735.0
62.5°	1358.3	1328.2	1280.2	1230.7	1182.8	1134.3	1076.5	1018.2	962.1	905.5	847.1
60°	1586.9	1533.0	1480.9	1424.2	1363.0	1297.3	1233.9	1167.4	1097.9	1029.8	960.0
57.5°	1839.2	1772.6	1704.4	1631.3	1553.6	1478.9	1401.8	1319.1	1240.2	1157.8	1074.4
55°	2128.8	2048.5	1961.3	1865.7	1767.0	1678.2	1584.0	1489.3	1393.4	1289.6	1197.5
52.5°	2472.3	2372.1	2260.3	2136.3	2020.5	1903.0	1780.3	1672.9	1555.8	1440.4	1325.7
50°	2909.9	2767.9	2613.9	2457.6	2314.0	2158.9	2014.8	1873.5	1731.8	1598.2	1464.7
47.5°	3434.1	3246.3	3035.8	2841.7	2651.3	2459.1	2281.8	2094.9	1932.4	1764.2	1615.8
45°	4071.6	3821.3	3550.9	3304.4	3036.9	2804.7	2578.6	2363.7	2150.2	1960.2	1770.7
42.5°	4886.3	4521.7	4178.3	3851.3	3514.3	3209.0	2907.9	2653.2	2402.6	2167.5	1953.8
40°	5934.2	5403.0	4962.1	4492.8	4084.9	3676.0	3316.0	2962.9	2678.3	2399.7	2139.1
37.5°	7171.5	6549.6	5920.2	5277.9	4746.6	4232.9	3769.5	3353.8	2966.6	2649.8	2349.2
35°	8479.8	7777.4	7023.5	6271.0	5495.4	4873.2	4284.3	3772.1	3320.3	2911.8	2565.4
32.5°	9785.2	9014.1	8184.0	7325.7	6454.3	5583.3	4876.5	4242.1	3676.8	3211.6	2801.6
30°	11089.9	10243.7	9334.4	8397.0	7441.1	6463.5	5499.2	4758.0	4094.4	3510.9	3039.2
27.5°	12399.1	11481.9	10486.8	9455.5	8425.1	7359.0	6290.3	5290.4	4515.1	3855.7	3300.1
25°	13709.5	12683.9	11615.6	10493.0	9369.5	8236.3	7055.6	5940.8	4987.1	4200.8	3540.5
22.5°	15024.0	13872.5	12681.4	11475.6	10267.5	9056.5	7820.8	6578.0	5434.2	4551.8	3821.9
20°	16322.8	15029.5	13725.8	12418.6	11116.2	9821.3	8529.5	7202.8	5959.8	4915.1	4084.5
17.5°	17573.8	16137.1	14721.7	13304.7	11911.6	10538.7	9164.8	7779.3	6429.1	5238.5	4316.4
15°	18765.3	17197.6	15660.4	14138.8	12635.5	11161.1	9727.5	8285.5	6855.9	5575.9	4570.7
12.5°	19889.5	18178.6	16504.0	14852.5	13255.2	11709.8	10219.4	8729.9	7257.9	5904.5	4797.3
10°	20849.5	19014.0	17211.7	15470.1	13791.8	12176.5	10625.3	9105.9	7602.5	6177.9	4982.7
7.5°	21630.3	19685.9	17785.3	15958.1	14212.6	12548.1	10938.8	9394.3	7875.4	6391.7	5125.7
5°	22200.8	20180.0	18210.3	16319.7	14504.0	12818.5	11159.9	9591.6	8073.2	6543.7	5225.8
2.5°	22554.6	20478.9	18463.1	16539.5	14673.7	12981.0	11288.3	9710.8	8186.0	6627.3	5288.6
0°	22620.1	20618.7	18542.6	16562.9	14771.0	13029.7	11322.1	9754.2	8215.2	6644.9	5308.2
-2.5°	22554.6	20478.9	18463.1	16539.5	14673.7	12981.0	11288.3	9710.8	8186.0	6627.3	5288.6
-5°	22200.8	20180.0	18210.3	16319.7	14504.0	12818.5	11159.9	9591.6	8073.2	6543.7	5225.8
-7.5°	21630.3	19685.9	17785.3	15958.1	14212.6	12548.1	10938.8	9394.3	7875.4	6391.7	5125.7
-10°	20849.5	19014.0	17211.7	15470.1	13791.8	12176.5	10625.3	9105.9	7602.5	6177.9	4982.7
-12.5°	19889.5	18178.6	16504.0	14852.5	13255.2	11709.8	10219.4	8729.9	7257.9	5904.5	4797.3
-15°	18765.3	17197.6	15660.4	14138.8	12635.5	11161.1	9727.5	8285.5	6855.9	5575.9	4570.7
-17.5°	17573.8	16137.1	14721.7	13304.7	11911.6	10538.7	9164.8	7779.3	6429.1	5238.5	4316.4
-20°	16322.8	15029.5	13725.8	12418.6	11116.2	9821.3	8529.5	7202.8	5959.8	4915.1	4084.5



REPORT NUMBER: P627533 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4E-740-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15024.0	13872.5	12681.4	11475.6	10267.5	9056.5	7820.8	6578.0	5434.2	4551.8	3821.9
-25°	13709.5	12683.9	11615.6	10493.0	9369.5	8236.3	7055.6	5940.8	4987.1	4200.8	3540.5
-27.5°	12399.1	11481.9	10486.8	9455.5	8425.1	7359.0	6290.3	5290.4	4515.1	3855.7	3300.1
-30°	11089.9	10243.7	9334.4	8397.0	7441.1	6463.5	5499.2	4758.0	4094.4	3510.9	3039.2
-32.5°	9785.2	9014.1	8184.0	7325.7	6454.3	5583.3	4876.5	4242.1	3676.8	3211.6	2801.6
-35°	8479.8	7777.4	7023.5	6271.0	5495.4	4873.2	4284.3	3772.1	3320.3	2911.8	2565.4
-37.5°	7171.5	6549.6	5920.2	5277.9	4746.6	4232.9	3769.5	3353.8	2966.6	2649.8	2349.2
-40°	5934.2	5403.0	4962.1	4492.8	4084.9	3676.0	3316.0	2962.9	2678.3	2399.7	2139.1
-42.5°	4886.3	4521.7	4178.3	3851.3	3514.3	3209.0	2907.9	2653.2	2402.6	2167.5	1953.8
-45°	4071.6	3821.3	3550.9	3304.4	3036.9	2804.7	2578.6	2363.7	2150.2	1960.2	1770.7
-47.5°	3434.1	3246.3	3035.8	2841.7	2651.3	2459.1	2281.8	2094.9	1932.4	1764.2	1615.8
-50°	2909.9	2767.9	2613.9	2457.6	2314.0	2158.9	2014.8	1873.5	1731.8	1598.2	1464.7
-52.5°	2472.3	2372.1	2260.3	2136.3	2020.5	1903.0	1780.3	1672.9	1555.8	1440.4	1325.7
-55°	2128.8	2048.5	1961.3	1865.7	1767.0	1678.2	1584.0	1489.3	1393.4	1289.6	1197.5
-57.5°	1839.2	1772.6	1704.4	1631.3	1553.6	1478.9	1401.8	1319.1	1240.2	1157.8	1074.4
-60°	1586.9	1533.0	1480.9	1424.2	1363.0	1297.3	1233.9	1167.4	1097.9	1029.8	960.0
-62.5°	1358.3	1328.2	1280.2	1230.7	1182.8	1134.3	1076.5	1018.2	962.1	905.5	847.1
-65°	1134.5	1103.7	1069.0	1038.9	1002.9	960.5	912.8	871.2	830.1	785.0	735.0
-67.5°	940.2	917.3	891.2	863.3	836.7	805.7	774.0	739.7	704.3	664.2	626.1
-70°	784.1	769.5	751.1	727.6	703.2	677.1	650.2	620.2	585.2	547.0	516.8
-72.5°	656.4	647.5	633.7	613.0	589.5	564.8	538.8	509.5	475.8	437.6	408.9
-75°	542.1	536.0	525.6	506.1	484.9	462.0	437.5	407.5	373.2	334.2	305.8
-77.5°	426.3	423.5	417.6	401.7	385.5	369.2	348.7	314.0	279.4	246.1	224.5
-80°	306.6	306.7	303.7	291.8	279.4	266.4	250.7	223.9	198.0	174.0	157.0
-82.5°	194.0	190.7	186.3	179.8	173.3	166.8	159.3	142.4	126.1	110.5	97.6
-85°	86.6	84.1	81.5	81.5	81.0	80.1	78.4	70.2	62.5	55.2	48.9
-87.5°	14.8	15.1	15.3	16.1	16.7	17.3	17.8	17.2	16.6	16.0	15.4
-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: P627533 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.1	18.6	19.8	20.7	21.4	21.7	21.7	21.4	20.5	19.4	17.9
85°	51.1	52.1	51.9	50.3	47.0	43.4	43.5	42.8	41.0	38.7	35.8
82.5°	101.4	104.6	106.3	105.6	99.1	92.1	84.8	77.0	68.7	59.3	53.8
80°	163.0	166.6	167.8	165.0	153.3	140.8	129.9	118.8	107.8	95.4	81.6
77.5°	229.3	232.0	232.7	228.4	213.6	197.6	180.4	162.3	146.9	131.5	114.3
75°	300.7	301.6	300.9	293.2	275.1	254.4	233.5	211.0	188.6	167.6	147.0
72.5°	393.4	380.7	371.2	358.7	338.8	315.5	288.9	259.0	230.6	203.9	179.0
70°	490.3	463.6	442.8	423.7	401.5	377.0	347.5	310.0	271.9	239.5	209.3
67.5°	591.5	558.4	525.0	490.2	462.9	435.2	405.4	360.3	314.6	274.4	238.9
65°	690.1	649.2	611.4	566.1	526.5	492.7	458.9	407.9	355.8	308.9	267.9
62.5°	789.3	734.4	687.1	638.2	590.3	548.4	510.3	452.2	395.2	342.0	295.4
60°	891.4	827.0	762.6	706.0	652.0	601.2	553.8	495.2	433.4	373.4	321.4
57.5°	997.0	919.8	846.2	775.6	712.7	654.2	595.5	534.8	470.3	405.4	344.8
55°	1103.7	1016.5	930.0	849.2	774.6	707.9	638.9	572.6	505.7	436.6	363.5
52.5°	1218.2	1115.9	1018.4	924.0	838.7	760.3	685.2	609.7	539.4	466.5	383.8
50°	1339.4	1221.3	1109.9	1004.3	902.2	815.0	730.3	650.3	572.2	495.4	402.9
47.5°	1466.8	1333.1	1206.2	1085.3	974.4	868.0	777.5	690.2	604.2	523.9	420.3
45°	1607.1	1448.0	1305.2	1172.5	1043.7	928.1	824.1	728.8	638.8	544.4	436.0
42.5°	1748.1	1572.0	1407.9	1256.8	1119.2	988.7	868.8	768.7	672.1	563.1	451.3
40°	1910.7	1698.8	1511.2	1347.5	1193.6	1046.7	920.2	807.3	703.1	581.6	466.2
37.5°	2069.2	1835.3	1623.9	1434.0	1267.0	1112.1	970.0	843.9	727.6	601.9	479.6
35°	2256.0	1976.2	1731.3	1525.5	1342.7	1174.3	1016.7	881.4	754.4	621.4	491.6
32.5°	2437.4	2119.7	1852.2	1619.2	1414.1	1233.3	1066.3	919.8	781.7	639.9	502.1
30°	2636.7	2275.7	1966.1	1707.0	1485.0	1293.9	1116.3	955.9	809.3	657.4	512.3
27.5°	2828.2	2419.5	2077.0	1799.9	1559.9	1350.6	1162.6	989.7	837.0	675.7	525.0
25°	3018.0	2574.9	2199.1	1888.5	1628.7	1402.2	1205.0	1021.4	864.1	696.1	536.4
22.5°	3224.0	2725.2	2309.2	1968.1	1691.0	1449.3	1245.5	1056.0	889.0	715.6	546.4
20°	3413.4	2861.0	2407.6	2044.3	1752.8	1500.1	1283.5	1086.9	911.3	733.9	554.8
17.5°	3592.0	2998.9	2517.3	2126.7	1811.2	1544.9	1316.9	1114.1	931.1	750.8	561.6
15°	3779.4	3136.0	2616.0	2198.0	1861.8	1583.6	1345.6	1137.5	948.1	765.9	568.1
12.5°	3939.5	3251.9	2699.0	2258.0	1904.3	1616.0	1369.5	1156.9	962.3	778.8	573.9
10°	4071.4	3346.1	2765.9	2306.5	1938.6	1641.9	1388.6	1172.7	974.1	788.9	577.1
7.5°	4174.0	3418.0	2816.5	2343.2	1964.8	1662.2	1404.4	1185.0	983.3	795.9	577.8
5°	4245.9	3468.1	2853.6	2369.0	1984.8	1676.8	1415.7	1193.1	989.5	799.7	576.1
2.5°	4283.5	3496.5	2876.4	2382.7	1996.2	1684.7	1422.1	1197.2	992.6	800.2	572.2
0°	4289.4	3501.9	2882.9	2384.4	1999.0	1685.9	1423.4	1197.0	992.3	797.2	566.0
-2.5°	4283.5	3496.5	2876.4	2382.7	1996.2	1684.7	1422.1	1197.2	992.6	800.2	572.2
-5°	4245.9	3468.1	2853.6	2369.0	1984.8	1676.8	1415.7	1193.1	989.5	799.7	576.1
-7.5°	4174.0	3418.0	2816.5	2343.2	1964.8	1662.2	1404.4	1185.0	983.3	795.9	577.8
-10°	4071.4	3346.1	2765.9	2306.5	1938.6	1641.9	1388.6	1172.7	974.1	788.9	577.1
-12.5°	3939.5	3251.9	2699.0	2258.0	1904.3	1616.0	1369.5	1156.9	962.3	778.8	573.9
-15°	3779.4	3136.0	2616.0	2198.0	1861.8	1583.6	1345.6	1137.5	948.1	765.9	568.1
-17.5°	3592.0	2998.9	2517.3	2126.7	1811.2	1544.9	1316.9	1114.1	931.1	750.8	561.6
-20°	3413.4	2861.0	2407.6	2044.3	1752.8	1500.1	1283.5	1086.9	911.3	733.9	554.8

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

Scaled Data Report



REPORT NUMBER: P627533 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3224.0	2725.2	2309.2	1968.1	1691.0	1449.3	1245.5	1056.0	889.0	715.6	546.4
-25°	3018.0	2574.9	2199.1	1888.5	1628.7	1402.2	1205.0	1021.4	864.1	696.1	536.4
-27.5°	2828.2	2419.5	2077.0	1799.9	1559.9	1350.6	1162.6	989.7	837.0	675.7	525.0
-30°	2636.7	2275.7	1966.1	1707.0	1485.0	1293.9	1116.3	955.9	809.3	657.4	512.3
-32.5°	2437.4	2119.7	1852.2	1619.2	1414.1	1233.3	1066.3	919.8	781.7	639.9	502.1
-35°	2256.0	1976.2	1731.3	1525.5	1342.7	1174.3	1016.7	881.4	754.4	621.4	491.6
-37.5°	2069.2	1835.3	1623.9	1434.0	1267.0	1112.1	970.0	843.9	727.6	601.9	479.6
-40°	1910.7	1698.8	1511.2	1347.5	1193.6	1046.7	920.2	807.3	703.1	581.6	466.2
-42.5°	1748.1	1572.0	1407.9	1256.8	1119.2	988.7	868.8	768.7	672.1	563.1	451.3
-45°	1607.1	1448.0	1305.2	1172.5	1043.7	928.1	824.1	728.8	638.8	544.4	436.0
-47.5°	1466.8	1333.1	1206.2	1085.3	974.4	868.0	777.5	690.2	604.2	523.9	420.3
-50°	1339.4	1221.3	1109.9	1004.3	902.2	815.0	730.3	650.3	572.2	495.4	402.9
-52.5°	1218.2	1115.9	1018.4	924.0	838.7	760.3	685.2	609.7	539.4	466.5	383.8
-55°	1103.7	1016.5	930.0	849.2	774.6	707.9	638.9	572.6	505.7	436.6	363.5
-57.5°	997.0	919.8	846.2	775.6	712.7	654.2	595.5	534.8	470.3	405.4	344.8
-60°	891.4	827.0	762.6	706.0	652.0	601.2	553.8	495.2	433.4	373.4	321.4
-62.5°	789.3	734.4	687.1	638.2	590.3	548.4	510.3	452.2	395.2	342.0	295.4
-65°	690.1	649.2	611.4	566.1	526.5	492.7	458.9	407.9	355.8	308.9	267.9
-67.5°	591.5	558.4	525.0	490.2	462.9	435.2	405.4	360.3	314.6	274.4	238.9
-70°	490.3	463.6	442.8	423.7	401.5	377.0	347.5	310.0	271.9	239.5	209.3
-72.5°	393.4	380.7	371.2	358.7	338.8	315.5	288.9	259.0	230.6	203.9	179.0
-75°	300.7	301.6	300.9	293.2	275.1	254.4	233.5	211.0	188.6	167.6	147.0
-77.5°	229.3	232.0	232.7	228.4	213.6	197.6	180.4	162.3	146.9	131.5	114.3
-80°	163.0	166.6	167.8	165.0	153.3	140.8	129.9	118.8	107.8	95.4	81.6
-82.5°	101.4	104.6	106.3	105.6	99.1	92.1	84.8	77.0	68.7	59.3	53.8
-85°	51.1	52.1	51.9	50.3	47.0	43.4	43.5	42.8	41.0	38.7	35.8
-87.5°	17.1	18.6	19.8	20.7	21.4	21.7	21.7	21.4	20.5	19.4	17.9
-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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Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627533 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.2	12.6	9.4	6.5	4.0	1.7	0.0
85°	32.3	25.2	18.8	13.0	8.0	3.5	0.0
82.5°	48.3	37.7	28.1	19.5	11.9	5.2	0.0
80°	65.6	50.0	37.3	25.9	15.8	6.9	0.0
77.5°	93.7	65.1	46.4	32.2	19.7	8.6	0.0
75°	121.0	85.1	56.1	38.4	23.5	10.2	0.0
72.5°	147.4	104.5	69.5	44.5	27.2	11.9	0.0
70°	172.4	123.2	82.5	50.8	30.8	13.5	0.0
67.5°	194.2	141.0	94.9	58.7	34.3	15.0	0.0
65°	214.9	157.3	106.6	66.3	37.7	16.6	0.0
62.5°	234.4	172.3	117.7	73.4	41.0	18.0	0.0
60°	252.7	186.3	128.1	80.2	44.1	19.5	0.0
57.5°	269.2	199.4	137.7	86.5	48.0	20.8	0.0
55°	284.4	211.5	146.7	92.3	51.7	22.2	0.0
52.5°	298.4	222.5	154.9	97.6	55.2	23.4	0.0
50°	311.0	232.6	162.4	102.4	58.6	24.6	0.0
47.5°	322.8	241.8	169.1	106.8	61.8	25.8	0.0
45°	336.0	249.8	175.0	111.1	64.9	26.9	0.0
42.5°	347.8	256.9	180.1	115.0	67.8	27.9	0.0
40°	358.1	262.8	184.7	119.2	70.5	28.8	0.0
37.5°	366.9	267.7	188.7	123.5	73.0	29.7	0.0
35°	374.3	273.1	192.1	127.4	75.3	30.4	0.0
32.5°	381.0	278.3	194.6	131.0	77.5	31.2	0.0
30°	388.5	282.3	196.4	134.2	79.4	31.8	0.0
27.5°	394.6	285.2	200.5	137.1	81.2	32.4	0.0
25°	399.4	286.9	204.6	139.6	82.7	32.9	0.0
22.5°	402.8	289.2	208.1	141.7	84.0	33.3	0.0
20°	404.8	294.4	211.2	143.5	85.2	33.6	0.0
17.5°	409.3	298.8	213.8	144.9	86.1	33.9	0.0
15°	414.8	302.1	215.8	145.9	86.8	34.1	0.0
12.5°	418.7	304.6	217.3	146.6	87.3	34.2	0.0
10°	421.2	306.2	218.3	146.8	87.6	34.2	0.0
7.5°	422.2	306.8	218.8	146.8	87.7	34.2	0.0
5°	421.7	306.6	218.7	146.4	87.6	34.1	0.0
2.5°	419.9	305.5	218.0	145.6	87.2	33.9	0.0
0°	416.7	303.5	216.8	144.5	86.7	33.7	0.0
-2.5°	419.9	305.5	218.0	145.6	87.2	33.9	0.0
-5°	421.7	306.6	218.7	146.4	87.6	34.1	0.0
-7.5°	422.2	306.8	218.8	146.8	87.7	34.2	0.0
-10°	421.2	306.2	218.3	146.8	87.6	34.2	0.0
-12.5°	418.7	304.6	217.3	146.6	87.3	34.2	0.0
-15°	414.8	302.1	215.8	145.9	86.8	34.1	0.0
-17.5°	409.3	298.8	213.8	144.9	86.1	33.9	0.0
-20°	404.8	294.4	211.2	143.5	85.2	33.6	0.0

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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627533 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-740-U-WR-XX

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	402.8	289.2	208.1	141.7	84.0	33.3	0.0
-25°	399.4	286.9	204.6	139.6	82.7	32.9	0.0
-27.5°	394.6	285.2	200.5	137.1	81.2	32.4	0.0
-30°	388.5	282.3	196.4	134.2	79.4	31.8	0.0
-32.5°	381.0	278.3	194.6	131.0	77.5	31.2	0.0
-35°	374.3	273.1	192.1	127.4	75.3	30.4	0.0
-37.5°	366.9	267.7	188.7	123.5	73.0	29.7	0.0
-40°	358.1	262.8	184.7	119.2	70.5	28.8	0.0
-42.5°	347.8	256.9	180.1	115.0	67.8	27.9	0.0
-45°	336.0	249.8	175.0	111.1	64.9	26.9	0.0
-47.5°	322.8	241.8	169.1	106.8	61.8	25.8	0.0
-50°	311.0	232.6	162.4	102.4	58.6	24.6	0.0
-52.5°	298.4	222.5	154.9	97.6	55.2	23.4	0.0
-55°	284.4	211.5	146.7	92.3	51.7	22.2	0.0
-57.5°	269.2	199.4	137.7	86.5	48.0	20.8	0.0
-60°	252.7	186.3	128.1	80.2	44.1	19.5	0.0
-62.5°	234.4	172.3	117.7	73.4	41.0	18.0	0.0
-65°	214.9	157.3	106.6	66.3	37.7	16.6	0.0
-67.5°	194.2	141.0	94.9	58.7	34.3	15.0	0.0
-70°	172.4	123.2	82.5	50.8	30.8	13.5	0.0
-72.5°	147.4	104.5	69.5	44.5	27.2	11.9	0.0
-75°	121.0	85.1	56.1	38.4	23.5	10.2	0.0
-77.5°	93.7	65.1	46.4	32.2	19.7	8.6	0.0
-80°	65.6	50.0	37.3	25.9	15.8	6.9	0.0
-82.5°	48.3	37.7	28.1	19.5	11.9	5.2	0.0
-85°	32.3	25.2	18.8	13.0	8.0	3.5	0.0
-87.5°	16.2	12.6	9.4	6.5	4.0	1.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)