

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: P627391 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
 Report Number: P627391 (CONVERTED FROM TYPE C PHOTOMETRY)
 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
 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-XX
 Description: GALLEON FLOOD, FOUR LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N94
 Light Source: (64) 3000K CCT, 70 CRI LEDS
 Ballast/Driver: -

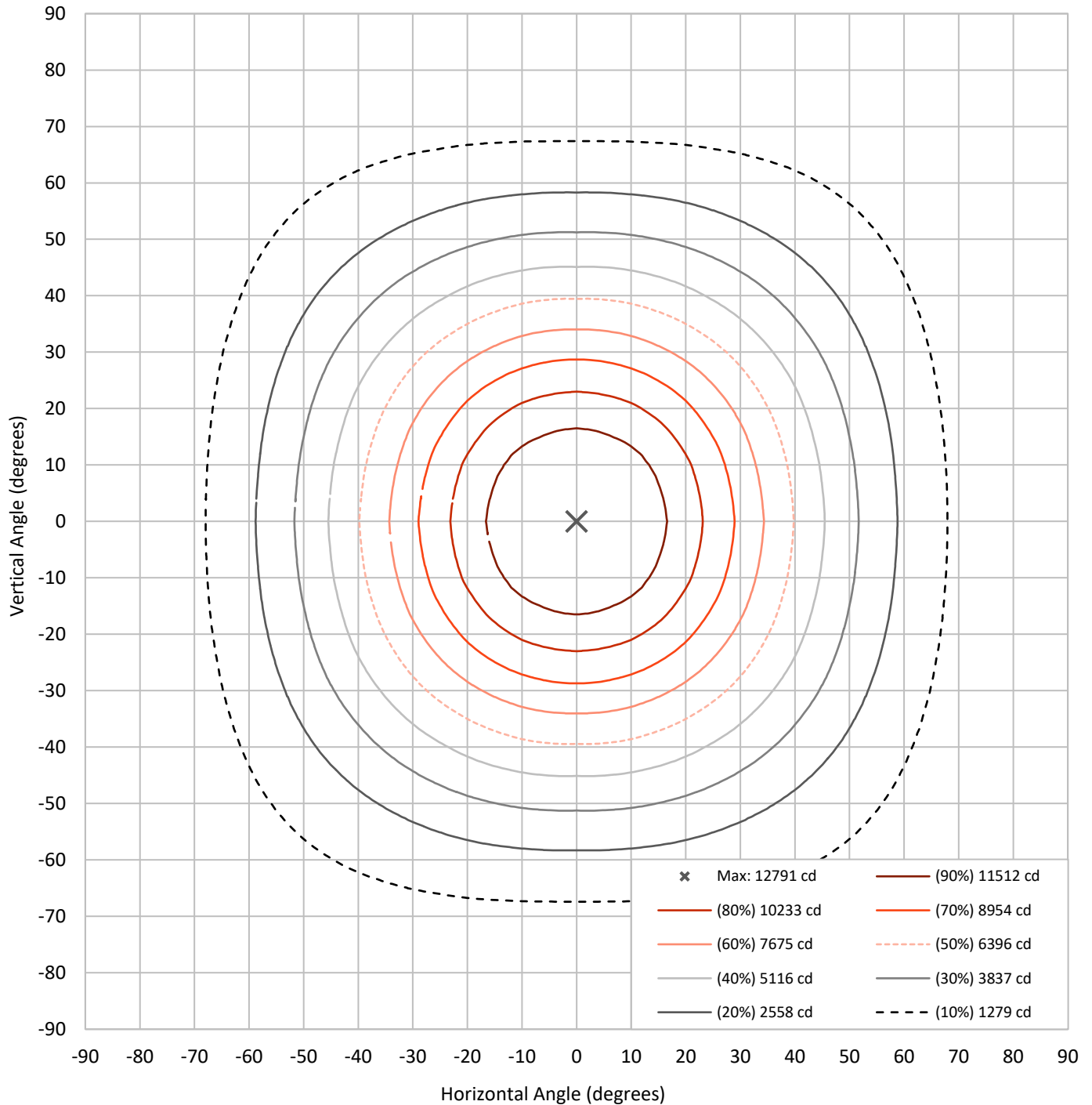
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	23118.6 lumens	Max Intensity:	12791 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	137.4 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	13559.2 lumens	Field Lumens:	22039.6 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
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





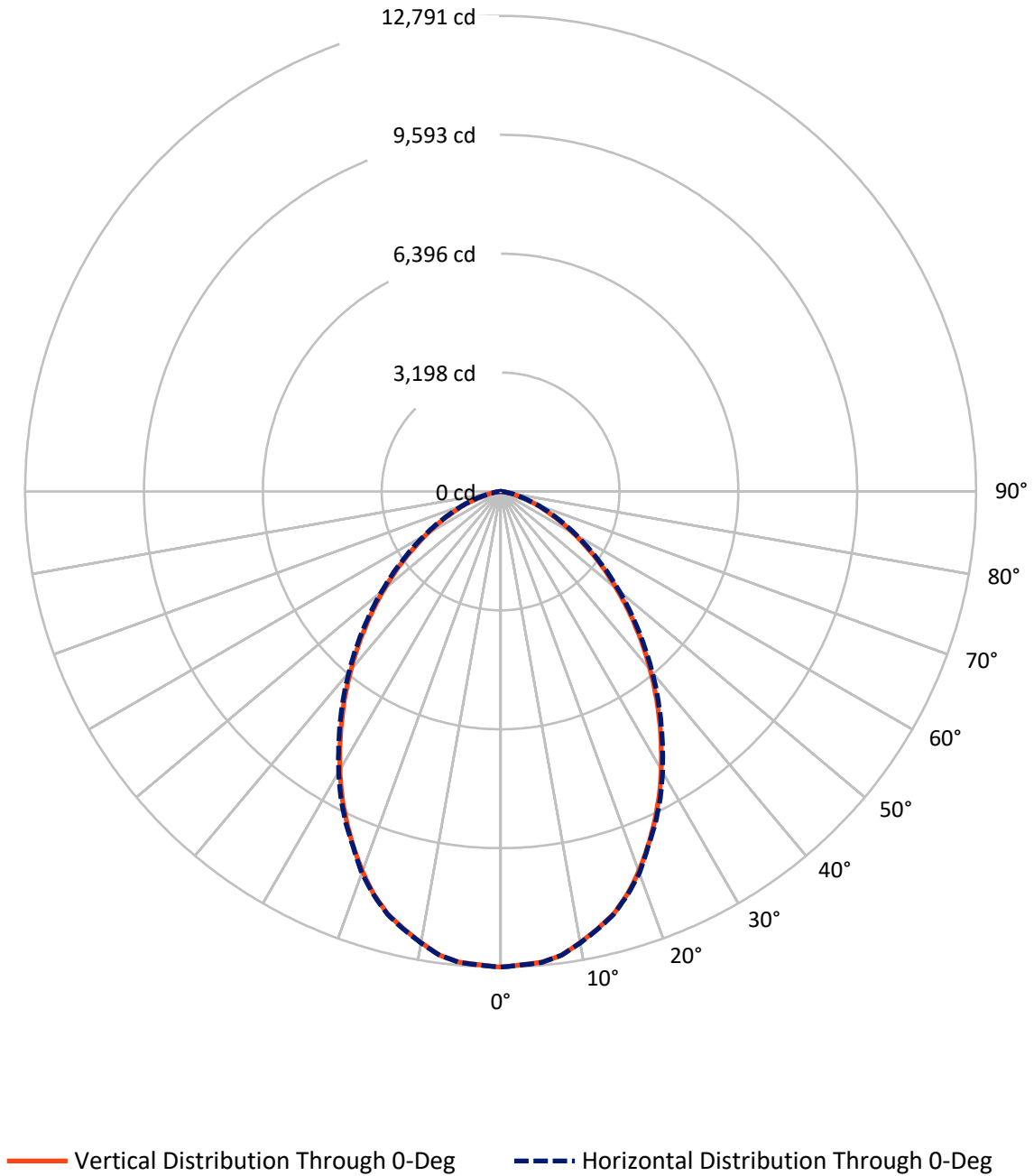
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Lumen Table

90																			
80	0.8	9.5	25.8	43.8	41.3	43.8	25.8	9.5	0.8										
70																			
60	4.3	5.9	12.0	20.4	29.8	38.5	45.1	48.2	48.2	45.1	38.5	29.8	20.4	12.0	5.9	4.3			
50		8.9	19.4	34.7	52.5	71.4	86.9	94.9	94.9	86.9	71.4	52.5	34.7	19.4	8.9				
40	7.5	11.9	28.1	51.9	82.2	114.0	140.6	155.1	155.1	140.6	114.0	82.2	51.9	28.1	11.9	7.5			
30		15.1	37.2	71.5	115.1	161.4	200.9	223.4	223.4	200.9	161.4	115.1	71.5	37.2	15.1				
20	9.7	18.1	45.8	89.8	146.6	208.0	261.7	292.5	292.5	261.7	208.0	146.6	89.8	45.8	18.1	9.7			
10		20.4	52.4	103.6	171.1	245.9	311.8	349.3	349.3	311.8	245.9	171.1	103.6	52.4	20.4				
0	10.6	21.6	56.1	111.4	184.8	266.8	339.0	378.4	378.4	339.0	266.8	184.8	111.4	56.1	21.6	10.6			
-10		21.6	56.1	111.4	184.8	266.8	339.0	378.4	378.4	339.0	266.8	184.8	111.4	56.1	21.6				
-20	9.7	20.4	52.4	103.6	171.1	245.9	311.8	349.3	349.3	311.8	245.9	171.1	103.6	52.4	20.4	9.7			
-30		18.1	45.8	89.8	146.6	208.0	261.7	292.5	292.5	261.7	208.0	146.6	89.8	45.8	18.1				
-40	7.5	15.1	37.2	71.5	115.1	161.4	200.9	223.4	223.4	200.9	161.4	115.1	71.5	37.2	15.1	7.5			
-50		11.9	28.1	51.9	82.2	114.0	140.6	155.1	155.1	140.6	114.0	82.2	51.9	28.1	11.9				
-60	4.3	8.9	19.4	34.7	52.5	71.4	86.9	94.9	94.9	86.9	71.4	52.5	34.7	19.4	8.9	4.3			
-70		5.9	12.0	20.4	29.8	38.5	45.1	48.2	48.2	45.1	38.5	29.8	20.4	12.0	5.9				
-80	0.8	9.5	25.8	43.8	41.3	43.8	25.8	9.5	0.8										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

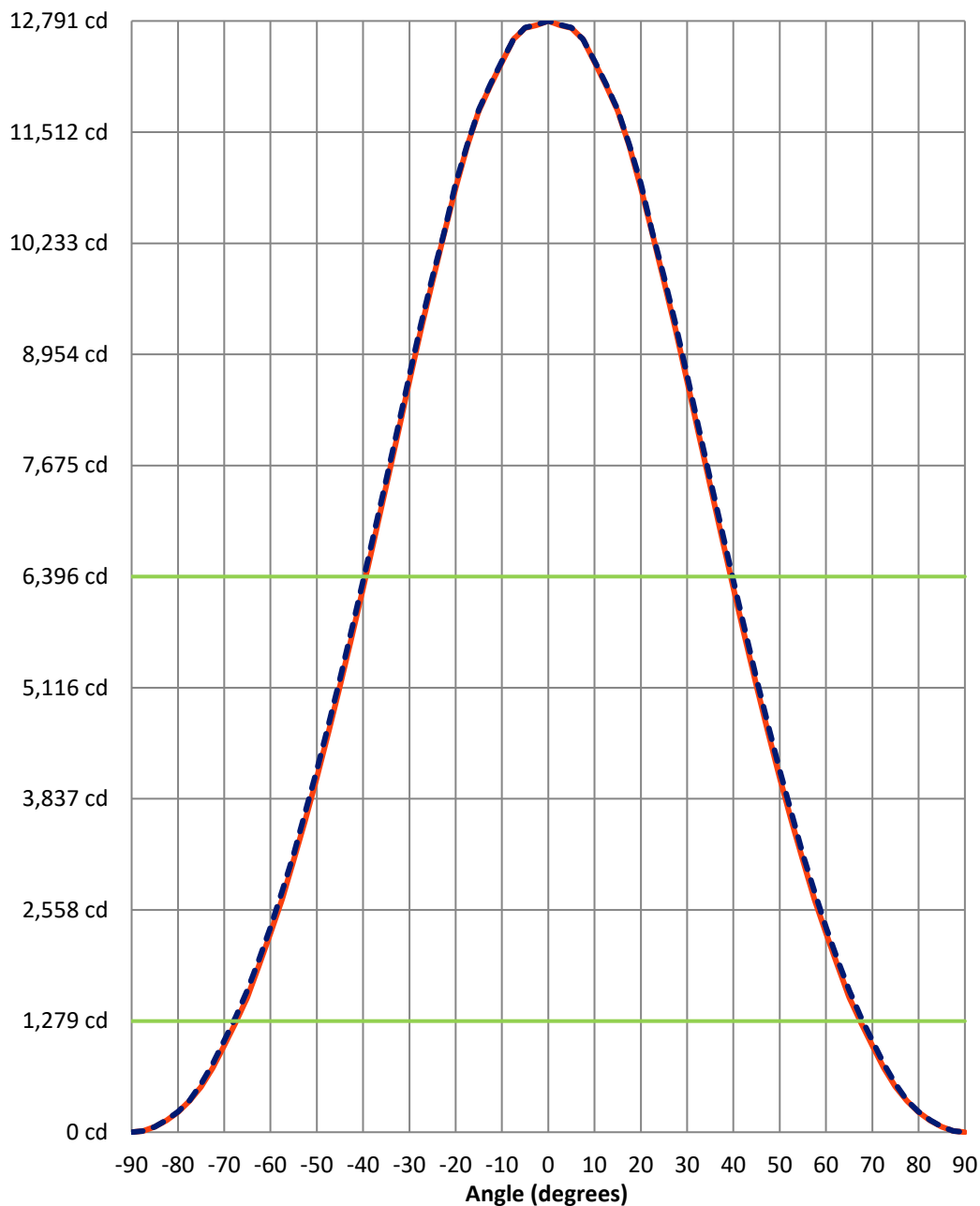
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 13559.2
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 22039.6
 Efficiency: 95.3%

Spill:
 Lumens: 1079
 Efficiency: 4.7%

— 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	0.7	1.7	2.5	3.3	4.2	5.0	5.8	6.6	7.3	8.1
85°	0.0	1.5	3.3	5.0	6.7	8.3	9.9	11.5	13.1	14.7	16.2
82.5°	0.0	2.2	5.0	7.5	10.0	12.4	14.9	17.3	21.6	34.0	45.9
80°	0.0	2.9	6.6	10.0	13.3	16.5	22.4	39.8	56.5	72.7	88.1
77.5°	0.0	3.6	8.3	12.4	16.5	25.9	48.7	70.6	91.3	111.1	135.7
75°	0.0	4.3	9.8	14.9	21.5	44.8	74.4	101.3	127.1	162.6	200.3
72.5°	0.0	5.0	11.4	17.3	34.3	63.2	99.2	134.2	174.7	218.0	263.7
70°	0.0	5.7	12.9	20.7	46.7	80.9	124.1	173.7	221.4	272.3	331.8
67.5°	0.0	6.4	14.4	28.3	58.6	97.9	154.0	212.3	267.1	331.4	399.6
65°	0.0	7.0	15.8	35.7	69.9	116.8	182.6	249.9	316.4	388.6	463.0
62.5°	0.0	7.6	17.2	42.7	80.7	137.7	209.7	289.1	364.0	443.4	519.7
60°	0.0	8.2	18.5	49.3	90.8	157.4	235.3	328.0	409.9	494.6	575.6
57.5°	0.0	8.8	22.3	55.6	104.2	175.9	262.2	364.3	455.1	545.0	628.6
55°	0.0	9.4	25.9	61.4	117.1	193.1	287.7	395.6	499.6	593.6	679.5
52.5°	0.0	9.9	29.4	66.7	129.0	209.4	311.3	428.2	543.1	638.4	729.0
50°	0.0	10.4	32.8	71.7	140.0	226.8	332.9	459.1	584.3	681.8	785.9
47.5°	0.0	10.9	36.0	76.8	150.0	242.6	353.2	487.9	621.7	723.8	841.5
45°	0.0	11.4	39.0	83.4	159.1	256.9	375.7	514.4	650.7	771.4	894.8
42.5°	0.0	11.8	41.9	89.5	167.1	269.6	396.4	538.8	678.6	816.9	957.5
40°	0.0	12.2	44.6	95.6	175.1	280.7	415.1	561.9	707.5	859.6	1018.6
37.5°	0.0	12.6	47.1	101.7	183.0	290.2	431.9	583.8	739.9	900.1	1076.0
35°	0.0	12.9	49.5	107.4	189.9	301.1	446.7	604.4	771.6	946.7	1133.7
32.5°	0.0	13.2	51.6	112.6	195.6	312.1	460.4	623.7	802.3	991.5	1194.9
30°	0.0	13.5	53.6	117.4	200.2	321.5	474.7	643.0	831.9	1034.3	1252.1
27.5°	0.0	13.8	55.4	121.8	207.0	329.2	487.5	665.4	862.4	1074.9	1305.1
25°	0.0	14.0	57.0	125.6	213.5	335.4	498.7	686.3	894.2	1116.3	1354.2
22.5°	0.0	14.2	58.4	129.1	219.1	341.5	508.4	705.3	923.5	1155.4	1406.4
20°	0.0	14.3	59.6	132.0	224.0	350.0	516.3	722.5	950.0	1190.4	1453.2
17.5°	0.0	14.4	60.6	134.5	228.1	357.0	526.3	737.6	973.7	1221.1	1494.5
15°	0.0	14.5	61.4	136.5	231.4	362.4	536.7	752.0	994.3	1247.4	1530.1
12.5°	0.0	14.6	62.1	138.1	233.9	366.3	545.1	765.6	1012.9	1269.3	1559.9
10°	0.0	14.6	62.5	139.2	235.6	368.7	551.5	776.0	1029.0	1289.8	1585.1
7.5°	0.0	14.6	62.7	139.8	236.6	369.7	555.8	783.3	1041.3	1306.3	1606.8
5°	0.0	14.6	62.8	140.0	236.8	369.3	558.1	787.5	1049.8	1318.3	1622.3
2.5°	0.0	14.5	62.6	139.7	236.2	367.5	558.2	788.5	1054.3	1325.5	1631.7
0°	0.0	14.4	62.3	139.0	234.9	364.4	556.1	786.3	1054.7	1328.0	1634.8
-2.5°	0.0	14.5	62.6	139.7	236.2	367.5	558.2	788.5	1054.3	1325.5	1631.7
-5°	0.0	14.6	62.8	140.0	236.8	369.3	558.1	787.5	1049.8	1318.3	1622.3
-7.5°	0.0	14.6	62.7	139.8	236.6	369.7	555.8	783.3	1041.3	1306.3	1606.8
-10°	0.0	14.6	62.5	139.2	235.6	368.7	551.5	776.0	1029.0	1289.8	1585.1
-12.5°	0.0	14.6	62.1	138.1	233.9	366.3	545.1	765.6	1012.9	1269.3	1559.9
-15°	0.0	14.5	61.4	136.5	231.4	362.4	536.7	752.0	994.3	1247.4	1530.1
-17.5°	0.0	14.4	60.6	134.5	228.1	357.0	526.3	737.6	973.7	1221.1	1494.5
-20°	0.0	14.3	59.6	132.0	224.0	350.0	516.3	722.5	950.0	1190.4	1453.2

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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°	0.0	14.2	58.4	129.1	219.1	341.5	508.4	705.3	923.5	1155.4	1406.4
-25°	0.0	14.0	57.0	125.6	213.5	335.4	498.7	686.3	894.2	1116.3	1354.2
-27.5°	0.0	13.8	55.4	121.8	207.0	329.2	487.5	665.4	862.4	1074.9	1305.1
-30°	0.0	13.5	53.6	117.4	200.2	321.5	474.7	643.0	831.9	1034.3	1252.1
-32.5°	0.0	13.2	51.6	112.6	195.6	312.1	460.4	623.7	802.3	991.5	1194.9
-35°	0.0	12.9	49.5	107.4	189.9	301.1	446.7	604.4	771.6	946.7	1133.7
-37.5°	0.0	12.6	47.1	101.7	183.0	290.2	431.9	583.8	739.9	900.1	1076.0
-40°	0.0	12.2	44.6	95.6	175.1	280.7	415.1	561.9	707.5	859.6	1018.6
-42.5°	0.0	11.8	41.9	89.5	167.1	269.6	396.4	538.8	678.6	816.9	957.5
-45°	0.0	11.4	39.0	83.4	159.1	256.9	375.7	514.4	650.7	771.4	894.8
-47.5°	0.0	10.9	36.0	76.8	150.0	242.6	353.2	487.9	621.7	723.8	841.5
-50°	0.0	10.4	32.8	71.7	140.0	226.8	332.9	459.1	584.3	681.8	785.9
-52.5°	0.0	9.9	29.4	66.7	129.0	209.4	311.3	428.2	543.1	638.4	729.0
-55°	0.0	9.4	25.9	61.4	117.1	193.1	287.7	395.6	499.6	593.6	679.5
-57.5°	0.0	8.8	22.3	55.6	104.2	175.9	262.2	364.3	455.1	545.0	628.6
-60°	0.0	8.2	18.5	49.3	90.8	157.4	235.3	328.0	409.9	494.6	575.6
-62.5°	0.0	7.6	17.2	42.7	80.7	137.7	209.7	289.1	364.0	443.4	519.7
-65°	0.0	7.0	15.8	35.7	69.9	116.8	182.6	249.9	316.4	388.6	463.0
-67.5°	0.0	6.4	14.4	28.3	58.6	97.9	154.0	212.3	267.1	331.4	399.6
-70°	0.0	5.7	12.9	20.7	46.7	80.9	124.1	173.7	221.4	272.3	331.8
-72.5°	0.0	5.0	11.4	17.3	34.3	63.2	99.2	134.2	174.7	218.0	263.7
-75°	0.0	4.3	9.8	14.9	21.5	44.8	74.4	101.3	127.1	162.6	200.3
-77.5°	0.0	3.6	8.3	12.4	16.5	25.9	48.7	70.6	91.3	111.1	135.7
-80°	0.0	2.9	6.6	10.0	13.3	16.5	22.4	39.8	56.5	72.7	88.1
-82.5°	0.0	2.2	5.0	7.5	10.0	12.4	14.9	17.3	21.6	34.0	45.9
-85°	0.0	1.5	3.3	5.0	6.7	8.3	9.9	11.5	13.1	14.7	16.2
-87.5°	0.0	0.7	1.7	2.5	3.3	4.2	5.0	5.8	6.6	7.3	8.1
-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°	9.4	10.8	12.2	13.8	13.9	13.9	13.8	13.6	14.2	14.7	15.2
85°	18.8	21.5	29.9	38.0	41.9	44.3	45.3	45.2	52.5	61.0	70.3
82.5°	58.4	70.4	81.9	92.8	95.6	95.6	94.7	95.0	112.2	132.0	152.3
80°	103.9	119.1	139.4	157.3	165.1	169.1	171.0	170.7	192.5	221.5	252.1
77.5°	164.8	190.5	212.8	231.8	242.0	251.1	258.4	264.1	292.1	328.9	365.3
75°	234.2	262.4	290.3	314.7	331.8	344.4	356.2	375.2	411.9	454.8	492.1
72.5°	307.4	343.4	374.6	401.0	425.0	450.4	478.9	510.0	548.8	591.6	630.6
70°	385.7	425.2	457.8	489.7	522.3	560.4	603.1	645.1	688.3	735.6	781.0
67.5°	462.2	500.3	538.7	579.0	627.8	678.8	729.2	787.2	846.4	898.9	945.8
65°	528.6	573.3	621.4	676.0	736.4	801.1	868.5	938.0	1013.2	1076.1	1133.6
62.5°	592.1	645.8	704.3	772.4	849.3	926.0	1011.9	1098.9	1183.5	1257.7	1326.3
60°	650.6	715.7	789.6	873.1	962.9	1064.8	1162.6	1261.6	1354.3	1438.4	1525.2
57.5°	707.5	789.4	878.2	978.3	1091.9	1206.4	1321.3	1427.8	1532.8	1635.2	1733.3
55°	767.7	866.5	972.0	1094.9	1222.9	1358.3	1482.1	1600.9	1716.6	1841.0	1959.1
52.5°	833.9	944.3	1076.4	1214.0	1361.8	1507.1	1643.2	1778.5	1918.4	2059.1	2212.9
50°	897.9	1035.4	1180.3	1340.2	1499.9	1655.6	1811.7	1967.5	2135.1	2307.6	2481.9
47.5°	972.6	1122.7	1293.8	1465.3	1639.8	1813.1	1987.0	2175.3	2365.7	2565.8	2758.6
45°	1048.2	1217.0	1401.3	1595.2	1783.9	1975.8	2179.1	2387.2	2610.5	2830.6	3062.6
42.5°	1119.9	1310.6	1513.8	1723.3	1933.2	2147.6	2371.1	2614.2	2858.2	3112.1	3367.0
40°	1199.3	1399.7	1623.7	1854.5	2082.2	2319.9	2575.4	2838.7	3114.8	3393.9	3670.8
37.5°	1275.6	1495.9	1731.4	1979.8	2235.3	2496.5	2774.0	3072.9	3372.3	3672.7	3977.9
35°	1347.1	1587.2	1842.2	2105.9	2376.9	2674.0	2984.2	3303.2	3627.7	3952.5	4280.9
32.5°	1420.6	1673.2	1948.1	2230.3	2529.0	2847.5	3187.3	3533.0	3878.5	4225.4	4584.8
30°	1494.3	1763.4	2050.7	2347.9	2674.6	3021.8	3386.9	3753.1	4118.6	4500.3	4883.3
27.5°	1563.9	1849.0	2151.4	2469.5	2814.3	3183.1	3570.8	3963.1	4357.2	4763.0	5171.6
25°	1628.0	1930.0	2244.9	2586.5	2951.9	3338.3	3742.2	4151.6	4583.8	5018.0	5444.7
22.5°	1690.5	2004.5	2331.6	2694.3	3076.6	3482.4	3903.1	4335.4	4786.9	5253.3	5694.8
20°	1750.7	2075.4	2415.9	2792.0	3188.3	3612.2	4049.2	4501.9	4975.6	5454.5	5929.4
17.5°	1804.1	2138.4	2494.4	2883.3	3295.0	3730.8	4180.9	4648.5	5143.3	5639.7	6142.9
15°	1850.6	2193.3	2562.3	2963.0	3389.2	3838.6	4303.1	4784.0	5291.6	5808.4	6331.6
12.5°	1889.9	2239.7	2619.5	3030.8	3469.2	3931.1	4408.2	4905.9	5427.2	5958.5	6496.8
10°	1921.9	2277.6	2665.9	3086.1	3534.5	4007.6	4494.7	5006.4	5543.4	6086.2	6635.8
7.5°	1949.1	2309.2	2702.6	3128.9	3584.8	4067.4	4562.0	5084.8	5635.9	6185.8	6747.5
5°	1968.9	2334.7	2736.3	3164.6	3628.6	4114.2	4613.1	5140.7	5703.6	6256.7	6828.5
2.5°	1980.8	2351.4	2759.3	3187.8	3663.0	4149.2	4658.4	5190.1	5753.1	6313.0	6889.3
0°	1984.8	2358.8	2771.1	3197.7	3682.0	4166.2	4684.0	5216.1	5777.0	6347.5	6927.6
-2.5°	1980.8	2351.4	2759.3	3187.8	3663.0	4149.2	4658.4	5190.1	5753.1	6313.0	6889.3
-5°	1968.9	2334.7	2736.3	3164.6	3628.6	4114.2	4613.1	5140.7	5703.6	6256.7	6828.5
-7.5°	1949.1	2309.2	2702.6	3128.9	3584.8	4067.4	4562.0	5084.8	5635.9	6185.8	6747.5
-10°	1921.9	2277.6	2665.9	3086.1	3534.5	4007.6	4494.7	5006.4	5543.4	6086.2	6635.8
-12.5°	1889.9	2239.7	2619.5	3030.8	3469.2	3931.1	4408.2	4905.9	5427.2	5958.5	6496.8
-15°	1850.6	2193.3	2562.3	2963.0	3389.2	3838.6	4303.1	4784.0	5291.6	5808.4	6331.6
-17.5°	1804.1	2138.4	2494.4	2883.3	3295.0	3730.8	4180.9	4648.5	5143.3	5639.7	6142.9
-20°	1750.7	2075.4	2415.9	2792.0	3188.3	3612.2	4049.2	4501.9	4975.6	5454.5	5929.4



REPORT NUMBER: P627391 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1690.5	2004.5	2331.6	2694.3	3076.6	3482.4	3903.1	4335.4	4786.9	5253.3	5694.8
-25°	1628.0	1930.0	2244.9	2586.5	2951.9	3338.3	3742.2	4151.6	4583.8	5018.0	5444.7
-27.5°	1563.9	1849.0	2151.4	2469.5	2814.3	3183.1	3570.8	3963.1	4357.2	4763.0	5171.6
-30°	1494.3	1763.4	2050.7	2347.9	2674.6	3021.8	3386.9	3753.1	4118.6	4500.3	4883.3
-32.5°	1420.6	1673.2	1948.1	2230.3	2529.0	2847.5	3187.3	3533.0	3878.5	4225.4	4584.8
-35°	1347.1	1587.2	1842.2	2105.9	2376.9	2674.0	2984.2	3303.2	3627.7	3952.5	4280.9
-37.5°	1275.6	1495.9	1731.4	1979.8	2235.3	2496.5	2774.0	3072.9	3372.3	3672.7	3977.9
-40°	1199.3	1399.7	1623.7	1854.5	2082.2	2319.9	2575.4	2838.7	3114.8	3393.9	3670.8
-42.5°	1119.9	1310.6	1513.8	1723.3	1933.2	2147.6	2371.1	2614.2	2858.2	3112.1	3367.0
-45°	1048.2	1217.0	1401.3	1595.2	1783.9	1975.8	2179.1	2387.2	2610.5	2830.6	3062.6
-47.5°	972.6	1122.7	1293.8	1465.3	1639.8	1813.1	1987.0	2175.3	2365.7	2565.8	2758.6
-50°	897.9	1035.4	1180.3	1340.2	1499.9	1655.6	1811.7	1967.5	2135.1	2307.6	2481.9
-52.5°	833.9	944.3	1076.4	1214.0	1361.8	1507.1	1643.2	1778.5	1918.4	2059.1	2212.9
-55°	767.7	866.5	972.0	1094.9	1222.9	1358.3	1482.1	1600.9	1716.6	1841.0	1959.1
-57.5°	707.5	789.4	878.2	978.3	1091.9	1206.4	1321.3	1427.8	1532.8	1635.2	1733.3
-60°	650.6	715.7	789.6	873.1	962.9	1064.8	1162.6	1261.6	1354.3	1438.4	1525.2
-62.5°	592.1	645.8	704.3	772.4	849.3	926.0	1011.9	1098.9	1183.5	1257.7	1326.3
-65°	528.6	573.3	621.4	676.0	736.4	801.1	868.5	938.0	1013.2	1076.1	1133.6
-67.5°	462.2	500.3	538.7	579.0	627.8	678.8	729.2	787.2	846.4	898.9	945.8
-70°	385.7	425.2	457.8	489.7	522.3	560.4	603.1	645.1	688.3	735.6	781.0
-72.5°	307.4	343.4	374.6	401.0	425.0	450.4	478.9	510.0	548.8	591.6	630.6
-75°	234.2	262.4	290.3	314.7	331.8	344.4	356.2	375.2	411.9	454.8	492.1
-77.5°	164.8	190.5	212.8	231.8	242.0	251.1	258.4	264.1	292.1	328.9	365.3
-80°	103.9	119.1	139.4	157.3	165.1	169.1	171.0	170.7	192.5	221.5	252.1
-82.5°	58.4	70.4	81.9	92.8	95.6	95.6	94.7	95.0	112.2	132.0	152.3
-85°	18.8	21.5	29.9	38.0	41.9	44.3	45.3	45.2	52.5	61.0	70.3
-87.5°	9.4	10.8	12.2	13.8	13.9	13.9	13.8	13.6	14.2	14.7	15.2
-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: P627391 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-U-VWR-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°	15.7	16.2	16.6	17.0	17.4	17.7	18.0	18.3	18.5	17.6	16.5
85°	80.1	85.8	91.1	96.1	101.0	105.5	109.8	113.7	117.4	107.2	96.0
82.5°	173.0	186.8	200.0	213.2	226.2	229.5	230.5	230.0	228.2	210.3	190.5
80°	282.3	305.8	328.0	350.0	371.6	374.1	371.6	367.1	360.8	337.3	310.7
77.5°	401.6	431.2	457.2	480.9	502.5	506.5	506.0	504.9	503.1	479.2	450.2
75°	524.0	552.9	580.9	604.6	624.4	633.5	638.0	641.1	642.9	625.7	603.2
72.5°	665.9	696.0	720.7	743.7	763.2	777.3	787.4	795.1	800.3	795.1	785.9
70°	819.8	852.1	879.3	905.3	931.8	953.0	969.0	980.6	988.0	992.8	996.2
67.5°	993.2	1036.6	1074.4	1106.7	1138.7	1168.7	1193.3	1213.4	1229.0	1242.2	1252.3
65°	1188.5	1243.9	1293.1	1338.2	1379.6	1423.1	1458.8	1488.7	1512.8	1532.7	1548.7
62.5°	1393.9	1461.8	1524.9	1586.1	1646.1	1705.1	1750.5	1791.8	1828.5	1860.0	1885.1
60°	1607.2	1684.4	1769.1	1849.9	1924.3	1992.2	2059.7	2118.1	2168.1	2209.6	2243.1
57.5°	1836.6	1936.6	2035.5	2135.9	2230.7	2319.5	2402.5	2475.8	2537.7	2588.5	2631.2
55°	2084.4	2209.4	2324.2	2450.8	2573.1	2684.5	2782.5	2868.7	2943.2	3005.7	3058.6
52.5°	2356.7	2508.6	2657.8	2801.8	2940.7	3069.9	3187.3	3287.6	3376.9	3453.5	3514.5
50°	2654.8	2828.6	3001.4	3161.6	3321.2	3470.1	3604.7	3721.2	3825.0	3915.0	3985.7
47.5°	2966.6	3164.3	3357.3	3540.8	3717.4	3882.9	4028.6	4161.3	4290.9	4396.5	4480.0
45°	3290.2	3512.2	3725.1	3934.8	4129.3	4314.8	4494.5	4659.9	4792.8	4909.1	5006.8
42.5°	3617.9	3865.4	4103.9	4332.6	4546.5	4761.0	4963.2	5143.9	5295.5	5427.8	5538.9
40°	3949.8	4220.8	4483.5	4732.9	4977.4	5211.2	5430.0	5620.6	5791.5	5948.7	6079.6
37.5°	4280.0	4578.2	4869.2	5148.6	5417.8	5671.2	5907.5	6122.9	6315.8	6494.8	6640.1
35°	4611.7	4938.8	5257.3	5564.9	5859.0	6138.6	6397.3	6642.3	6869.7	7051.0	7199.7
32.5°	4942.1	5293.7	5640.4	5979.0	6300.9	6602.3	6882.7	7153.4	7387.3	7586.6	7757.6
30°	5261.8	5642.8	6020.3	6387.5	6735.1	7061.7	7372.2	7658.5	7910.0	8127.9	8319.7
27.5°	5575.5	5984.8	6389.9	6782.1	7158.0	7512.9	7851.7	8162.1	8436.6	8673.5	8875.7
25°	5872.0	6312.0	6743.7	7159.6	7561.1	7952.6	8318.4	8657.2	8950.3	9210.4	9418.2
22.5°	6155.4	6624.5	7078.2	7515.7	7945.2	8367.1	8767.6	9121.4	9432.0	9703.9	9933.9
20°	6419.3	6922.0	7386.3	7848.9	8301.2	8751.8	9181.8	9555.0	9883.8	10173.2	10426.7
17.5°	6666.0	7181.7	7670.5	8163.0	8639.7	9112.4	9549.3	9949.4	10304.1	10611.4	10876.9
15°	6874.9	7395.7	7929.4	8455.3	8958.1	9436.7	9873.1	10291.0	10684.9	11017.3	11286.5
12.5°	7044.0	7585.6	8142.4	8700.7	9232.4	9710.4	10167.3	10591.3	11004.9	11378.3	11625.7
10°	7188.1	7745.8	8320.7	8890.0	9428.8	9934.6	10431.4	10879.6	11286.1	11620.4	11896.7
7.5°	7312.8	7887.2	8471.1	9041.3	9578.3	10101.0	10612.3	11088.4	11498.7	11813.6	12060.2
5°	7404.7	7992.8	8587.9	9163.4	9708.0	10232.2	10745.9	11216.0	11616.6	11937.0	12205.8
2.5°	7470.4	8064.1	8663.4	9239.7	9796.4	10322.0	10848.5	11323.9	11711.7	12005.4	12262.8
0°	7512.5	8107.0	8711.1	9300.8	9847.3	10355.5	10921.2	11367.1	11769.8	12062.3	12330.7
-2.5°	7470.4	8064.1	8663.4	9239.7	9796.4	10322.0	10848.5	11323.9	11711.7	12005.4	12262.8
-5°	7404.7	7992.8	8587.9	9163.4	9708.0	10232.2	10745.9	11216.0	11616.6	11937.0	12205.8
-7.5°	7312.8	7887.2	8471.1	9041.3	9578.3	10101.0	10612.3	11088.4	11498.7	11813.6	12060.2
-10°	7188.1	7745.8	8320.7	8890.0	9428.8	9934.6	10431.4	10879.6	11286.1	11620.4	11896.7
-12.5°	7044.0	7585.6	8142.4	8700.7	9232.4	9710.4	10167.3	10591.3	11004.9	11378.3	11625.7
-15°	6874.9	7395.7	7929.4	8455.3	8958.1	9436.7	9873.1	10291.0	10684.9	11017.3	11286.5
-17.5°	6666.0	7181.7	7670.5	8163.0	8639.7	9112.4	9549.3	9949.4	10304.1	10611.4	10876.9
-20°	6419.3	6922.0	7386.3	7848.9	8301.2	8751.8	9181.8	9555.0	9883.8	10173.2	10426.7



REPORT NUMBER: P627391 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6155.4	6624.5	7078.2	7515.7	7945.2	8367.1	8767.6	9121.4	9432.0	9703.9	9933.9
-25°	5872.0	6312.0	6743.7	7159.6	7561.1	7952.6	8318.4	8657.2	8950.3	9210.4	9418.2
-27.5°	5575.5	5984.8	6389.9	6782.1	7158.0	7512.9	7851.7	8162.1	8436.6	8673.5	8875.7
-30°	5261.8	5642.8	6020.3	6387.5	6735.1	7061.7	7372.2	7658.5	7910.0	8127.9	8319.7
-32.5°	4942.1	5293.7	5640.4	5979.0	6300.9	6602.3	6882.7	7153.4	7387.3	7586.6	7757.6
-35°	4611.7	4938.8	5257.3	5564.9	5859.0	6138.6	6397.3	6642.3	6869.7	7051.0	7199.7
-37.5°	4280.0	4578.2	4869.2	5148.6	5417.8	5671.2	5907.5	6122.9	6315.8	6494.8	6640.1
-40°	3949.8	4220.8	4483.5	4732.9	4977.4	5211.2	5430.0	5620.6	5791.5	5948.7	6079.6
-42.5°	3617.9	3865.4	4103.9	4332.6	4546.5	4761.0	4963.2	5143.9	5295.5	5427.8	5538.9
-45°	3290.2	3512.2	3725.1	3934.8	4129.3	4314.8	4494.5	4659.9	4792.8	4909.1	5006.8
-47.5°	2966.6	3164.3	3357.3	3540.8	3717.4	3882.9	4028.6	4161.3	4290.9	4396.5	4480.0
-50°	2654.8	2828.6	3001.4	3161.6	3321.2	3470.1	3604.7	3721.2	3825.0	3915.0	3985.7
-52.5°	2356.7	2508.6	2657.8	2801.8	2940.7	3069.9	3187.3	3287.6	3376.9	3453.5	3514.5
-55°	2084.4	2209.4	2324.2	2450.8	2573.1	2684.5	2782.5	2868.7	2943.2	3005.7	3058.6
-57.5°	1836.6	1936.6	2035.5	2135.9	2230.7	2319.5	2402.5	2475.8	2537.7	2588.5	2631.2
-60°	1607.2	1684.4	1769.1	1849.9	1924.3	1992.2	2059.7	2118.1	2168.1	2209.6	2243.1
-62.5°	1393.9	1461.8	1524.9	1586.1	1646.1	1705.1	1750.5	1791.8	1828.5	1860.0	1885.1
-65°	1188.5	1243.9	1293.1	1338.2	1379.6	1423.1	1458.8	1488.7	1512.8	1532.7	1548.7
-67.5°	993.2	1036.6	1074.4	1106.7	1138.7	1168.7	1193.3	1213.4	1229.0	1242.2	1252.3
-70°	819.8	852.1	879.3	905.3	931.8	953.0	969.0	980.6	988.0	992.8	996.2
-72.5°	665.9	696.0	720.7	743.7	763.2	777.3	787.4	795.1	800.3	795.1	785.9
-75°	524.0	552.9	580.9	604.6	624.4	633.5	638.0	641.1	642.9	625.7	603.2
-77.5°	401.6	431.2	457.2	480.9	502.5	506.5	506.0	504.9	503.1	479.2	450.2
-80°	282.3	305.8	328.0	350.0	371.6	374.1	371.6	367.1	360.8	337.3	310.7
-82.5°	173.0	186.8	200.0	213.2	226.2	229.5	230.5	230.0	228.2	210.3	190.5
-85°	80.1	85.8	91.1	96.1	101.0	105.5	109.8	113.7	117.4	107.2	96.0
-87.5°	15.7	16.2	16.6	17.0	17.4	17.7	18.0	18.3	18.5	17.6	16.5
-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: P627391 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-730-U-VWR-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°	15.5	14.3	14.4	14.4	14.4	14.3	15.5	16.5	17.6	18.5	18.3
85°	84.0	71.6	67.0	62.3	67.0	71.6	84.0	96.0	107.2	117.4	113.7
82.5°	169.7	148.1	141.2	134.2	141.2	148.1	169.7	190.5	210.3	228.2	230.0
80°	282.7	253.4	241.9	230.1	241.9	253.4	282.7	310.7	337.3	360.8	367.1
77.5°	419.6	387.4	373.7	359.6	373.7	387.4	419.6	450.2	479.2	503.1	504.9
75°	579.4	554.2	539.0	522.6	539.0	554.2	579.4	603.2	625.7	642.9	641.1
72.5°	775.4	763.1	751.9	738.3	751.9	763.1	775.4	785.9	795.1	800.3	795.1
70°	997.4	995.8	997.8	997.2	997.8	995.8	997.4	996.2	992.8	988.0	980.6
67.5°	1257.6	1257.9	1263.3	1265.7	1263.3	1257.9	1257.6	1252.3	1242.2	1229.0	1213.4
65°	1558.6	1562.2	1560.9	1553.3	1560.9	1562.2	1558.6	1548.7	1532.7	1512.8	1488.7
62.5°	1903.0	1913.3	1919.0	1917.7	1919.0	1913.3	1903.0	1885.1	1860.0	1828.5	1791.8
60°	2268.1	2284.3	2292.4	2291.6	2292.4	2284.3	2268.1	2243.1	2209.6	2168.1	2118.1
57.5°	2663.0	2683.8	2688.7	2680.0	2688.7	2683.8	2663.0	2631.2	2588.5	2537.7	2475.8
55°	3098.6	3125.2	3135.5	3130.6	3135.5	3125.2	3098.6	3058.6	3005.7	2943.2	2868.7
52.5°	3559.2	3588.0	3598.2	3590.9	3598.2	3588.0	3559.2	3514.5	3453.5	3376.9	3287.6
50°	4037.7	4072.6	4086.6	4079.9	4086.6	4072.6	4037.7	3985.7	3915.0	3825.0	3721.2
47.5°	4545.5	4591.9	4609.9	4597.7	4609.9	4591.9	4545.5	4480.0	4396.5	4290.9	4161.3
45°	5079.9	5128.0	5146.6	5134.6	5146.6	5128.0	5079.9	5006.8	4909.1	4792.8	4659.9
42.5°	5623.8	5686.3	5712.7	5690.7	5712.7	5686.3	5623.8	5538.9	5427.8	5295.5	5143.9
40°	6177.3	6245.1	6276.4	6261.3	6276.4	6245.1	6177.3	6079.6	5948.7	5791.5	5620.6
37.5°	6745.1	6812.6	6845.7	6846.1	6845.7	6812.6	6745.1	6640.1	6494.8	6315.8	6122.9
35°	7314.9	7396.6	7442.9	7440.6	7442.9	7396.6	7314.9	7199.7	7051.0	6869.7	6642.3
32.5°	7892.7	7981.2	8028.5	8035.1	8028.5	7981.2	7892.7	7757.6	7586.6	7387.3	7153.4
30°	8469.6	8566.9	8621.6	8644.0	8621.6	8566.9	8469.6	8319.7	8127.9	7910.0	7658.5
27.5°	9029.0	9148.7	9231.2	9238.5	9231.2	9148.7	9029.0	8875.7	8673.5	8436.6	8162.1
25°	9570.7	9692.6	9777.4	9794.6	9777.4	9692.6	9570.7	9418.2	9210.4	8950.3	8657.2
22.5°	10104.7	10232.1	10310.3	10341.1	10310.3	10232.1	10104.7	9933.9	9703.9	9432.0	9121.4
20°	10614.5	10752.6	10835.5	10868.5	10835.5	10752.6	10614.5	10426.7	10173.2	9883.8	9555.0
17.5°	11075.6	11221.5	11323.9	11352.7	11323.9	11221.5	11075.6	10876.9	10611.4	10304.1	9949.4
15°	11481.5	11619.8	11717.0	11755.4	11717.0	11619.8	11481.5	11286.5	11017.3	10684.9	10291.0
12.5°	11811.8	11935.6	12011.7	12047.9	12011.7	11935.6	11811.8	11625.7	11378.3	11004.9	10591.3
10°	12069.9	12194.1	12266.8	12316.4	12266.8	12194.1	12069.9	11896.7	11620.4	11286.1	10879.6
7.5°	12293.8	12421.0	12510.1	12580.0	12510.1	12421.0	12293.8	12060.2	11813.6	11498.7	11088.4
5°	12417.5	12630.0	12661.9	12709.5	12661.9	12630.0	12417.5	12205.8	11937.0	11616.6	11216.0
2.5°	12511.8	12662.4	12753.0	12743.0	12753.0	12662.4	12511.8	12262.8	12005.4	11711.7	11323.9
0°	12580.0	12714.3	12747.8	12791.0	12747.8	12714.3	12580.0	12330.7	12062.3	11769.8	11367.1
-2.5°	12511.8	12662.4	12753.0	12743.0	12753.0	12662.4	12511.8	12262.8	12005.4	11711.7	11323.9
-5°	12417.5	12630.0	12661.9	12709.5	12661.9	12630.0	12417.5	12205.8	11937.0	11616.6	11216.0
-7.5°	12293.8	12421.0	12510.1	12580.0	12510.1	12421.0	12293.8	12060.2	11813.6	11498.7	11088.4
-10°	12069.9	12194.1	12266.8	12316.4	12266.8	12194.1	12069.9	11896.7	11620.4	11286.1	10879.6
-12.5°	11811.8	11935.6	12011.7	12047.9	12011.7	11935.6	11811.8	11625.7	11378.3	11004.9	10591.3
-15°	11481.5	11619.8	11717.0	11755.4	11717.0	11619.8	11481.5	11286.5	11017.3	10684.9	10291.0
-17.5°	11075.6	11221.5	11323.9	11352.7	11323.9	11221.5	11075.6	10876.9	10611.4	10304.1	9949.4
-20°	10614.5	10752.6	10835.5	10868.5	10835.5	10752.6	10614.5	10426.7	10173.2	9883.8	9555.0



REPORT NUMBER: P627391 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10104.7	10232.1	10310.3	10341.1	10310.3	10232.1	10104.7	9933.9	9703.9	9432.0	9121.4
-25°	9570.7	9692.6	9777.4	9794.6	9777.4	9692.6	9570.7	9418.2	9210.4	8950.3	8657.2
-27.5°	9029.0	9148.7	9231.2	9238.5	9231.2	9148.7	9029.0	8875.7	8673.5	8436.6	8162.1
-30°	8469.6	8566.9	8621.6	8644.0	8621.6	8566.9	8469.6	8319.7	8127.9	7910.0	7658.5
-32.5°	7892.7	7981.2	8028.5	8035.1	8028.5	7981.2	7892.7	7757.6	7586.6	7387.3	7153.4
-35°	7314.9	7396.6	7442.9	7440.6	7442.9	7396.6	7314.9	7199.7	7051.0	6869.7	6642.3
-37.5°	6745.1	6812.6	6845.7	6846.1	6845.7	6812.6	6745.1	6640.1	6494.8	6315.8	6122.9
-40°	6177.3	6245.1	6276.4	6261.3	6276.4	6245.1	6177.3	6079.6	5948.7	5791.5	5620.6
-42.5°	5623.8	5686.3	5712.7	5690.7	5712.7	5686.3	5623.8	5538.9	5427.8	5295.5	5143.9
-45°	5079.9	5128.0	5146.6	5134.6	5146.6	5128.0	5079.9	5006.8	4909.1	4792.8	4659.9
-47.5°	4545.5	4591.9	4609.9	4597.7	4609.9	4591.9	4545.5	4480.0	4396.5	4290.9	4161.3
-50°	4037.7	4072.6	4086.6	4079.9	4086.6	4072.6	4037.7	3985.7	3915.0	3825.0	3721.2
-52.5°	3559.2	3588.0	3598.2	3590.9	3598.2	3588.0	3559.2	3514.5	3453.5	3376.9	3287.6
-55°	3098.6	3125.2	3135.5	3130.6	3135.5	3125.2	3098.6	3058.6	3005.7	2943.2	2868.7
-57.5°	2663.0	2683.8	2688.7	2680.0	2688.7	2683.8	2663.0	2631.2	2588.5	2537.7	2475.8
-60°	2268.1	2284.3	2292.4	2291.6	2292.4	2284.3	2268.1	2243.1	2209.6	2168.1	2118.1
-62.5°	1903.0	1913.3	1919.0	1917.7	1919.0	1913.3	1903.0	1885.1	1860.0	1828.5	1791.8
-65°	1558.6	1562.2	1560.9	1553.3	1560.9	1562.2	1558.6	1548.7	1532.7	1512.8	1488.7
-67.5°	1257.6	1257.9	1263.3	1265.7	1263.3	1257.9	1257.6	1252.3	1242.2	1229.0	1213.4
-70°	997.4	995.8	997.8	997.2	997.8	995.8	997.4	996.2	992.8	988.0	980.6
-72.5°	775.4	763.1	751.9	738.3	751.9	763.1	775.4	785.9	795.1	800.3	795.1
-75°	579.4	554.2	539.0	522.6	539.0	554.2	579.4	603.2	625.7	642.9	641.1
-77.5°	419.6	387.4	373.7	359.6	373.7	387.4	419.6	450.2	479.2	503.1	504.9
-80°	282.7	253.4	241.9	230.1	241.9	253.4	282.7	310.7	337.3	360.8	367.1
-82.5°	169.7	148.1	141.2	134.2	141.2	148.1	169.7	190.5	210.3	228.2	230.0
-85°	84.0	71.6	67.0	62.3	67.0	71.6	84.0	96.0	107.2	117.4	113.7
-87.5°	15.5	14.3	14.4	14.4	14.4	14.3	15.5	16.5	17.6	18.5	18.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627391 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-U-VWR-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°	18.0	17.7	17.4	17.0	16.6	16.2	15.7	15.2	14.7	14.2	13.6
85°	109.8	105.5	101.0	96.1	91.1	85.8	80.1	70.3	61.0	52.5	45.2
82.5°	230.5	229.5	226.2	213.2	200.0	186.8	173.0	152.3	132.0	112.2	95.0
80°	371.6	374.1	371.6	350.0	328.0	305.8	282.3	252.1	221.5	192.5	170.7
77.5°	506.0	506.5	502.5	480.9	457.2	431.2	401.6	365.3	328.9	292.1	264.1
75°	638.0	633.5	624.4	604.6	580.9	552.9	524.0	492.1	454.8	411.9	375.2
72.5°	787.4	777.3	763.2	743.7	720.7	696.0	665.9	630.6	591.6	548.8	510.0
70°	969.0	953.0	931.8	905.3	879.3	852.1	819.8	781.0	735.6	688.3	645.1
67.5°	1193.3	1168.7	1138.7	1106.7	1074.4	1036.6	993.2	945.8	898.9	846.4	787.2
65°	1458.8	1423.1	1379.6	1338.2	1293.1	1243.9	1188.5	1133.6	1076.1	1013.2	938.0
62.5°	1750.5	1705.1	1646.1	1586.1	1524.9	1461.8	1393.9	1326.3	1257.7	1183.5	1098.9
60°	2059.7	1992.2	1924.3	1849.9	1769.1	1684.4	1607.2	1525.2	1438.4	1354.3	1261.6
57.5°	2402.5	2319.5	2230.7	2135.9	2035.5	1936.6	1836.6	1733.3	1635.2	1532.8	1427.8
55°	2782.5	2684.5	2573.1	2450.8	2324.2	2209.4	2084.4	1959.1	1841.0	1716.6	1600.9
52.5°	3187.3	3069.9	2940.7	2801.8	2657.8	2508.6	2356.7	2212.9	2059.1	1918.4	1778.5
50°	3604.7	3470.1	3321.2	3161.6	3001.4	2828.6	2654.8	2481.9	2307.6	2135.1	1967.5
47.5°	4028.6	3882.9	3717.4	3540.8	3357.3	3164.3	2966.6	2758.6	2565.8	2365.7	2175.3
45°	4494.5	4314.8	4129.3	3934.8	3725.1	3512.2	3290.2	3062.6	2830.6	2610.5	2387.2
42.5°	4963.2	4761.0	4546.5	4332.6	4103.9	3865.4	3617.9	3367.0	3112.1	2858.2	2614.2
40°	5430.0	5211.2	4977.4	4732.9	4483.5	4220.8	3949.8	3670.8	3393.9	3114.8	2838.7
37.5°	5907.5	5671.2	5417.8	5148.6	4869.2	4578.2	4280.0	3977.9	3672.7	3372.3	3072.9
35°	6397.3	6138.6	5859.0	5564.9	5257.3	4938.8	4611.7	4280.9	3952.5	3627.7	3303.2
32.5°	6882.7	6602.3	6300.9	5979.0	5640.4	5293.7	4942.1	4584.8	4225.4	3878.5	3533.0
30°	7372.2	7061.7	6735.1	6387.5	6020.3	5642.8	5261.8	4883.3	4500.3	4118.6	3753.1
27.5°	7851.7	7512.9	7158.0	6782.1	6389.9	5984.8	5575.5	5171.6	4763.0	4357.2	3963.1
25°	8318.4	7952.6	7561.1	7159.6	6743.7	6312.0	5872.0	5444.7	5018.0	4583.8	4151.6
22.5°	8767.6	8367.1	7945.2	7515.7	7078.2	6624.5	6155.4	5694.8	5253.3	4786.9	4335.4
20°	9181.8	8751.8	8301.2	7848.9	7386.3	6922.0	6419.3	5929.4	5454.5	4975.6	4501.9
17.5°	9549.3	9112.4	8639.7	8163.0	7670.5	7181.7	6666.0	6142.9	5639.7	5143.3	4648.5
15°	9873.1	9436.7	8958.1	8455.3	7929.4	7395.7	6874.9	6331.6	5808.4	5291.6	4784.0
12.5°	10167.3	9710.4	9232.4	8700.7	8142.4	7585.6	7044.0	6496.8	5958.5	5427.2	4905.9
10°	10431.4	9934.6	9428.8	8890.0	8320.7	7745.8	7188.1	6635.8	6086.2	5543.4	5006.4
7.5°	10612.3	10101.0	9578.3	9041.3	8471.1	7887.2	7312.8	6747.5	6185.8	5635.9	5084.8
5°	10745.9	10232.2	9708.0	9163.4	8587.9	7992.8	7404.7	6828.5	6256.7	5703.6	5140.7
2.5°	10848.5	10322.0	9796.4	9239.7	8663.4	8064.1	7470.4	6889.3	6313.0	5753.1	5190.1
0°	10921.2	10355.5	9847.3	9300.8	8711.1	8107.0	7512.5	6927.6	6347.5	5777.0	5216.1
-2.5°	10848.5	10322.0	9796.4	9239.7	8663.4	8064.1	7470.4	6889.3	6313.0	5753.1	5190.1
-5°	10745.9	10232.2	9708.0	9163.4	8587.9	7992.8	7404.7	6828.5	6256.7	5703.6	5140.7
-7.5°	10612.3	10101.0	9578.3	9041.3	8471.1	7887.2	7312.8	6747.5	6185.8	5635.9	5084.8
-10°	10431.4	9934.6	9428.8	8890.0	8320.7	7745.8	7188.1	6635.8	6086.2	5543.4	5006.4
-12.5°	10167.3	9710.4	9232.4	8700.7	8142.4	7585.6	7044.0	6496.8	5958.5	5427.2	4905.9
-15°	9873.1	9436.7	8958.1	8455.3	7929.4	7395.7	6874.9	6331.6	5808.4	5291.6	4784.0
-17.5°	9549.3	9112.4	8639.7	8163.0	7670.5	7181.7	6666.0	6142.9	5639.7	5143.3	4648.5
-20°	9181.8	8751.8	8301.2	7848.9	7386.3	6922.0	6419.3	5929.4	5454.5	4975.6	4501.9



REPORT NUMBER: P627391 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8767.6	8367.1	7945.2	7515.7	7078.2	6624.5	6155.4	5694.8	5253.3	4786.9	4335.4
-25°	8318.4	7952.6	7561.1	7159.6	6743.7	6312.0	5872.0	5444.7	5018.0	4583.8	4151.6
-27.5°	7851.7	7512.9	7158.0	6782.1	6389.9	5984.8	5575.5	5171.6	4763.0	4357.2	3963.1
-30°	7372.2	7061.7	6735.1	6387.5	6020.3	5642.8	5261.8	4883.3	4500.3	4118.6	3753.1
-32.5°	6882.7	6602.3	6300.9	5979.0	5640.4	5293.7	4942.1	4584.8	4225.4	3878.5	3533.0
-35°	6397.3	6138.6	5859.0	5564.9	5257.3	4938.8	4611.7	4280.9	3952.5	3627.7	3303.2
-37.5°	5907.5	5671.2	5417.8	5148.6	4869.2	4578.2	4280.0	3977.9	3672.7	3372.3	3072.9
-40°	5430.0	5211.2	4977.4	4732.9	4483.5	4220.8	3949.8	3670.8	3393.9	3114.8	2838.7
-42.5°	4963.2	4761.0	4546.5	4332.6	4103.9	3865.4	3617.9	3367.0	3112.1	2858.2	2614.2
-45°	4494.5	4314.8	4129.3	3934.8	3725.1	3512.2	3290.2	3062.6	2830.6	2610.5	2387.2
-47.5°	4028.6	3882.9	3717.4	3540.8	3357.3	3164.3	2966.6	2758.6	2565.8	2365.7	2175.3
-50°	3604.7	3470.1	3321.2	3161.6	3001.4	2828.6	2654.8	2481.9	2307.6	2135.1	1967.5
-52.5°	3187.3	3069.9	2940.7	2801.8	2657.8	2508.6	2356.7	2212.9	2059.1	1918.4	1778.5
-55°	2782.5	2684.5	2573.1	2450.8	2324.2	2209.4	2084.4	1959.1	1841.0	1716.6	1600.9
-57.5°	2402.5	2319.5	2230.7	2135.9	2035.5	1936.6	1836.6	1733.3	1635.2	1532.8	1427.8
-60°	2059.7	1992.2	1924.3	1849.9	1769.1	1684.4	1607.2	1525.2	1438.4	1354.3	1261.6
-62.5°	1750.5	1705.1	1646.1	1586.1	1524.9	1461.8	1393.9	1326.3	1257.7	1183.5	1098.9
-65°	1458.8	1423.1	1379.6	1338.2	1293.1	1243.9	1188.5	1133.6	1076.1	1013.2	938.0
-67.5°	1193.3	1168.7	1138.7	1106.7	1074.4	1036.6	993.2	945.8	898.9	846.4	787.2
-70°	969.0	953.0	931.8	905.3	879.3	852.1	819.8	781.0	735.6	688.3	645.1
-72.5°	787.4	777.3	763.2	743.7	720.7	696.0	665.9	630.6	591.6	548.8	510.0
-75°	638.0	633.5	624.4	604.6	580.9	552.9	524.0	492.1	454.8	411.9	375.2
-77.5°	506.0	506.5	502.5	480.9	457.2	431.2	401.6	365.3	328.9	292.1	264.1
-80°	371.6	374.1	371.6	350.0	328.0	305.8	282.3	252.1	221.5	192.5	170.7
-82.5°	230.5	229.5	226.2	213.2	200.0	186.8	173.0	152.3	132.0	112.2	95.0
-85°	109.8	105.5	101.0	96.1	91.1	85.8	80.1	70.3	61.0	52.5	45.2
-87.5°	18.0	17.7	17.4	17.0	16.6	16.2	15.7	15.2	14.7	14.2	13.6
-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: P627391 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4C-730-U-VWR-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°	13.8	13.9	13.9	13.8	12.2	10.8	9.4	8.1	7.3	6.6	5.8
85°	45.3	44.3	41.9	38.0	29.9	21.5	18.8	16.2	14.7	13.1	11.5
82.5°	94.7	95.6	95.6	92.8	81.9	70.4	58.4	45.9	34.0	21.6	17.3
80°	171.0	169.1	165.1	157.3	139.4	119.1	103.9	88.1	72.7	56.5	39.8
77.5°	258.4	251.1	242.0	231.8	212.8	190.5	164.8	135.7	111.1	91.3	70.6
75°	356.2	344.4	331.8	314.7	290.3	262.4	234.2	200.3	162.6	127.1	101.3
72.5°	478.9	450.4	425.0	401.0	374.6	343.4	307.4	263.7	218.0	174.7	134.2
70°	603.1	560.4	522.3	489.7	457.8	425.2	385.7	331.8	272.3	221.4	173.7
67.5°	729.2	678.8	627.8	579.0	538.7	500.3	462.2	399.6	331.4	267.1	212.3
65°	868.5	801.1	736.4	676.0	621.4	573.3	528.6	463.0	388.6	316.4	249.9
62.5°	1011.9	926.0	849.3	772.4	704.3	645.8	592.1	519.7	443.4	364.0	289.1
60°	1162.6	1064.8	962.9	873.1	789.6	715.7	650.6	575.6	494.6	409.9	328.0
57.5°	1321.3	1206.4	1091.9	978.3	878.2	789.4	707.5	628.6	545.0	455.1	364.3
55°	1482.1	1358.3	1222.9	1094.9	972.0	866.5	767.7	679.5	593.6	499.6	395.6
52.5°	1643.2	1507.1	1361.8	1214.0	1076.4	944.3	833.9	729.0	638.4	543.1	428.2
50°	1811.7	1655.6	1499.9	1340.2	1180.3	1035.4	897.9	785.9	681.8	584.3	459.1
47.5°	1987.0	1813.1	1639.8	1465.3	1293.8	1122.7	972.6	841.5	723.8	621.7	487.9
45°	2179.1	1975.8	1783.9	1595.2	1401.3	1217.0	1048.2	894.8	771.4	650.7	514.4
42.5°	2371.1	2147.6	1933.2	1723.3	1513.8	1310.6	1119.9	957.5	816.9	678.6	538.8
40°	2575.4	2319.9	2082.2	1854.5	1623.7	1399.7	1199.3	1018.6	859.6	707.5	561.9
37.5°	2774.0	2496.5	2235.3	1979.8	1731.4	1495.9	1275.6	1076.0	900.1	739.9	583.8
35°	2984.2	2674.0	2376.9	2105.9	1842.2	1587.2	1347.1	1133.7	946.7	771.6	604.4
32.5°	3187.3	2847.5	2529.0	2230.3	1948.1	1673.2	1420.6	1194.9	991.5	802.3	623.7
30°	3386.9	3021.8	2674.6	2347.9	2050.7	1763.4	1494.3	1252.1	1034.3	831.9	643.0
27.5°	3570.8	3183.1	2814.3	2469.5	2151.4	1849.0	1563.9	1305.1	1074.9	862.4	665.4
25°	3742.2	3338.3	2951.9	2586.5	2244.9	1930.0	1628.0	1354.2	1116.3	894.2	686.3
22.5°	3903.1	3482.4	3076.6	2694.3	2331.6	2004.5	1690.5	1406.4	1155.4	923.5	705.3
20°	4049.2	3612.2	3188.3	2792.0	2415.9	2075.4	1750.7	1453.2	1190.4	950.0	722.5
17.5°	4180.9	3730.8	3295.0	2883.3	2494.4	2138.4	1804.1	1494.5	1221.1	973.7	737.6
15°	4303.1	3838.6	3389.2	2963.0	2562.3	2193.3	1850.6	1530.1	1247.4	994.3	752.0
12.5°	4408.2	3931.1	3469.2	3030.8	2619.5	2239.7	1889.9	1559.9	1269.3	1012.9	765.6
10°	4494.7	4007.6	3534.5	3086.1	2665.9	2277.6	1921.9	1585.1	1289.8	1029.0	776.0
7.5°	4562.0	4067.4	3584.8	3128.9	2702.6	2309.2	1949.1	1606.8	1306.3	1041.3	783.3
5°	4613.1	4114.2	3628.6	3164.6	2736.3	2334.7	1968.9	1622.3	1318.3	1049.8	787.5
2.5°	4658.4	4149.2	3663.0	3187.8	2759.3	2351.4	1980.8	1631.7	1325.5	1054.3	788.5
0°	4684.0	4166.2	3682.0	3197.7	2771.1	2358.8	1984.8	1634.8	1328.0	1054.7	786.3
-2.5°	4658.4	4149.2	3663.0	3187.8	2759.3	2351.4	1980.8	1631.7	1325.5	1054.3	788.5
-5°	4613.1	4114.2	3628.6	3164.6	2736.3	2334.7	1968.9	1622.3	1318.3	1049.8	787.5
-7.5°	4562.0	4067.4	3584.8	3128.9	2702.6	2309.2	1949.1	1606.8	1306.3	1041.3	783.3
-10°	4494.7	4007.6	3534.5	3086.1	2665.9	2277.6	1921.9	1585.1	1289.8	1029.0	776.0
-12.5°	4408.2	3931.1	3469.2	3030.8	2619.5	2239.7	1889.9	1559.9	1269.3	1012.9	765.6
-15°	4303.1	3838.6	3389.2	2963.0	2562.3	2193.3	1850.6	1530.1	1247.4	994.3	752.0
-17.5°	4180.9	3730.8	3295.0	2883.3	2494.4	2138.4	1804.1	1494.5	1221.1	973.7	737.6
-20°	4049.2	3612.2	3188.3	2792.0	2415.9	2075.4	1750.7	1453.2	1190.4	950.0	722.5

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



REPORT NUMBER: P627391 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3903.1	3482.4	3076.6	2694.3	2331.6	2004.5	1690.5	1406.4	1155.4	923.5	705.3
-25°	3742.2	3338.3	2951.9	2586.5	2244.9	1930.0	1628.0	1354.2	1116.3	894.2	686.3
-27.5°	3570.8	3183.1	2814.3	2469.5	2151.4	1849.0	1563.9	1305.1	1074.9	862.4	665.4
-30°	3386.9	3021.8	2674.6	2347.9	2050.7	1763.4	1494.3	1252.1	1034.3	831.9	643.0
-32.5°	3187.3	2847.5	2529.0	2230.3	1948.1	1673.2	1420.6	1194.9	991.5	802.3	623.7
-35°	2984.2	2674.0	2376.9	2105.9	1842.2	1587.2	1347.1	1133.7	946.7	771.6	604.4
-37.5°	2774.0	2496.5	2235.3	1979.8	1731.4	1495.9	1275.6	1076.0	900.1	739.9	583.8
-40°	2575.4	2319.9	2082.2	1854.5	1623.7	1399.7	1199.3	1018.6	859.6	707.5	561.9
-42.5°	2371.1	2147.6	1933.2	1723.3	1513.8	1310.6	1119.9	957.5	816.9	678.6	538.8
-45°	2179.1	1975.8	1783.9	1595.2	1401.3	1217.0	1048.2	894.8	771.4	650.7	514.4
-47.5°	1987.0	1813.1	1639.8	1465.3	1293.8	1122.7	972.6	841.5	723.8	621.7	487.9
-50°	1811.7	1655.6	1499.9	1340.2	1180.3	1035.4	897.9	785.9	681.8	584.3	459.1
-52.5°	1643.2	1507.1	1361.8	1214.0	1076.4	944.3	833.9	729.0	638.4	543.1	428.2
-55°	1482.1	1358.3	1222.9	1094.9	972.0	866.5	767.7	679.5	593.6	499.6	395.6
-57.5°	1321.3	1206.4	1091.9	978.3	878.2	789.4	707.5	628.6	545.0	455.1	364.3
-60°	1162.6	1064.8	962.9	873.1	789.6	715.7	650.6	575.6	494.6	409.9	328.0
-62.5°	1011.9	926.0	849.3	772.4	704.3	645.8	592.1	519.7	443.4	364.0	289.1
-65°	868.5	801.1	736.4	676.0	621.4	573.3	528.6	463.0	388.6	316.4	249.9
-67.5°	729.2	678.8	627.8	579.0	538.7	500.3	462.2	399.6	331.4	267.1	212.3
-70°	603.1	560.4	522.3	489.7	457.8	425.2	385.7	331.8	272.3	221.4	173.7
-72.5°	478.9	450.4	425.0	401.0	374.6	343.4	307.4	263.7	218.0	174.7	134.2
-75°	356.2	344.4	331.8	314.7	290.3	262.4	234.2	200.3	162.6	127.1	101.3
-77.5°	258.4	251.1	242.0	231.8	212.8	190.5	164.8	135.7	111.1	91.3	70.6
-80°	171.0	169.1	165.1	157.3	139.4	119.1	103.9	88.1	72.7	56.5	39.8
-82.5°	94.7	95.6	95.6	92.8	81.9	70.4	58.4	45.9	34.0	21.6	17.3
-85°	45.3	44.3	41.9	38.0	29.9	21.5	18.8	16.2	14.7	13.1	11.5
-87.5°	13.8	13.9	13.9	13.8	12.2	10.8	9.4	8.1	7.3	6.6	5.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report



REPORT NUMBER: P627391 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4C-730-U-VWR-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°	5.0	4.2	3.3	2.5	1.7	0.7	0.0
85°	9.9	8.3	6.7	5.0	3.3	1.5	0.0
82.5°	14.9	12.4	10.0	7.5	5.0	2.2	0.0
80°	22.4	16.5	13.3	10.0	6.6	2.9	0.0
77.5°	48.7	25.9	16.5	12.4	8.3	3.6	0.0
75°	74.4	44.8	21.5	14.9	9.8	4.3	0.0
72.5°	99.2	63.2	34.3	17.3	11.4	5.0	0.0
70°	124.1	80.9	46.7	20.7	12.9	5.7	0.0
67.5°	154.0	97.9	58.6	28.3	14.4	6.4	0.0
65°	182.6	116.8	69.9	35.7	15.8	7.0	0.0
62.5°	209.7	137.7	80.7	42.7	17.2	7.6	0.0
60°	235.3	157.4	90.8	49.3	18.5	8.2	0.0
57.5°	262.2	175.9	104.2	55.6	22.3	8.8	0.0
55°	287.7	193.1	117.1	61.4	25.9	9.4	0.0
52.5°	311.3	209.4	129.0	66.7	29.4	9.9	0.0
50°	332.9	226.8	140.0	71.7	32.8	10.4	0.0
47.5°	353.2	242.6	150.0	76.8	36.0	10.9	0.0
45°	375.7	256.9	159.1	83.4	39.0	11.4	0.0
42.5°	396.4	269.6	167.1	89.5	41.9	11.8	0.0
40°	415.1	280.7	175.1	95.6	44.6	12.2	0.0
37.5°	431.9	290.2	183.0	101.7	47.1	12.6	0.0
35°	446.7	301.1	189.9	107.4	49.5	12.9	0.0
32.5°	460.4	312.1	195.6	112.6	51.6	13.2	0.0
30°	474.7	321.5	200.2	117.4	53.6	13.5	0.0
27.5°	487.5	329.2	207.0	121.8	55.4	13.8	0.0
25°	498.7	335.4	213.5	125.6	57.0	14.0	0.0
22.5°	508.4	341.5	219.1	129.1	58.4	14.2	0.0
20°	516.3	350.0	224.0	132.0	59.6	14.3	0.0
17.5°	526.3	357.0	228.1	134.5	60.6	14.4	0.0
15°	536.7	362.4	231.4	136.5	61.4	14.5	0.0
12.5°	545.1	366.3	233.9	138.1	62.1	14.6	0.0
10°	551.5	368.7	235.6	139.2	62.5	14.6	0.0
7.5°	555.8	369.7	236.6	139.8	62.7	14.6	0.0
5°	558.1	369.3	236.8	140.0	62.8	14.6	0.0
2.5°	558.2	367.5	236.2	139.7	62.6	14.5	0.0
0°	556.1	364.4	234.9	139.0	62.3	14.4	0.0
-2.5°	558.2	367.5	236.2	139.7	62.6	14.5	0.0
-5°	558.1	369.3	236.8	140.0	62.8	14.6	0.0
-7.5°	555.8	369.7	236.6	139.8	62.7	14.6	0.0
-10°	551.5	368.7	235.6	139.2	62.5	14.6	0.0
-12.5°	545.1	366.3	233.9	138.1	62.1	14.6	0.0
-15°	536.7	362.4	231.4	136.5	61.4	14.5	0.0
-17.5°	526.3	357.0	228.1	134.5	60.6	14.4	0.0
-20°	516.3	350.0	224.0	132.0	59.6	14.3	0.0

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REPORT NUMBER: P627391 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	508.4	341.5	219.1	129.1	58.4	14.2	0.0
-25°	498.7	335.4	213.5	125.6	57.0	14.0	0.0
-27.5°	487.5	329.2	207.0	121.8	55.4	13.8	0.0
-30°	474.7	321.5	200.2	117.4	53.6	13.5	0.0
-32.5°	460.4	312.1	195.6	112.6	51.6	13.2	0.0
-35°	446.7	301.1	189.9	107.4	49.5	12.9	0.0
-37.5°	431.9	290.2	183.0	101.7	47.1	12.6	0.0
-40°	415.1	280.7	175.1	95.6	44.6	12.2	0.0
-42.5°	396.4	269.6	167.1	89.5	41.9	11.8	0.0
-45°	375.7	256.9	159.1	83.4	39.0	11.4	0.0
-47.5°	353.2	242.6	150.0	76.8	36.0	10.9	0.0
-50°	332.9	226.8	140.0	71.7	32.8	10.4	0.0
-52.5°	311.3	209.4	129.0	66.7	29.4	9.9	0.0
-55°	287.7	193.1	117.1	61.4	25.9	9.4	0.0
-57.5°	262.2	175.9	104.2	55.6	22.3	8.8	0.0
-60°	235.3	157.4	90.8	49.3	18.5	8.2	0.0
-62.5°	209.7	137.7	80.7	42.7	17.2	7.6	0.0
-65°	182.6	116.8	69.9	35.7	15.8	7.0	0.0
-67.5°	154.0	97.9	58.6	28.3	14.4	6.4	0.0
-70°	124.1	80.9	46.7	20.7	12.9	5.7	0.0
-72.5°	99.2	63.2	34.3	17.3	11.4	5.0	0.0
-75°	74.4	44.8	21.5	14.9	9.8	4.3	0.0
-77.5°	48.7	25.9	16.5	12.4	8.3	3.6	0.0
-80°	22.4	16.5	13.3	10.0	6.6	2.9	0.0
-82.5°	14.9	12.4	10.0	7.5	5.0	2.2	0.0
-85°	9.9	8.3	6.7	5.0	3.3	1.5	0.0
-87.5°	5.0	4.2	3.3	2.5	1.7	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)