

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: P626811 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA1E-740-U-VWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P626811 (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-SA1E-740-U-VWR-XX
Description: GALLEON FLOOD, ONE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N31
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

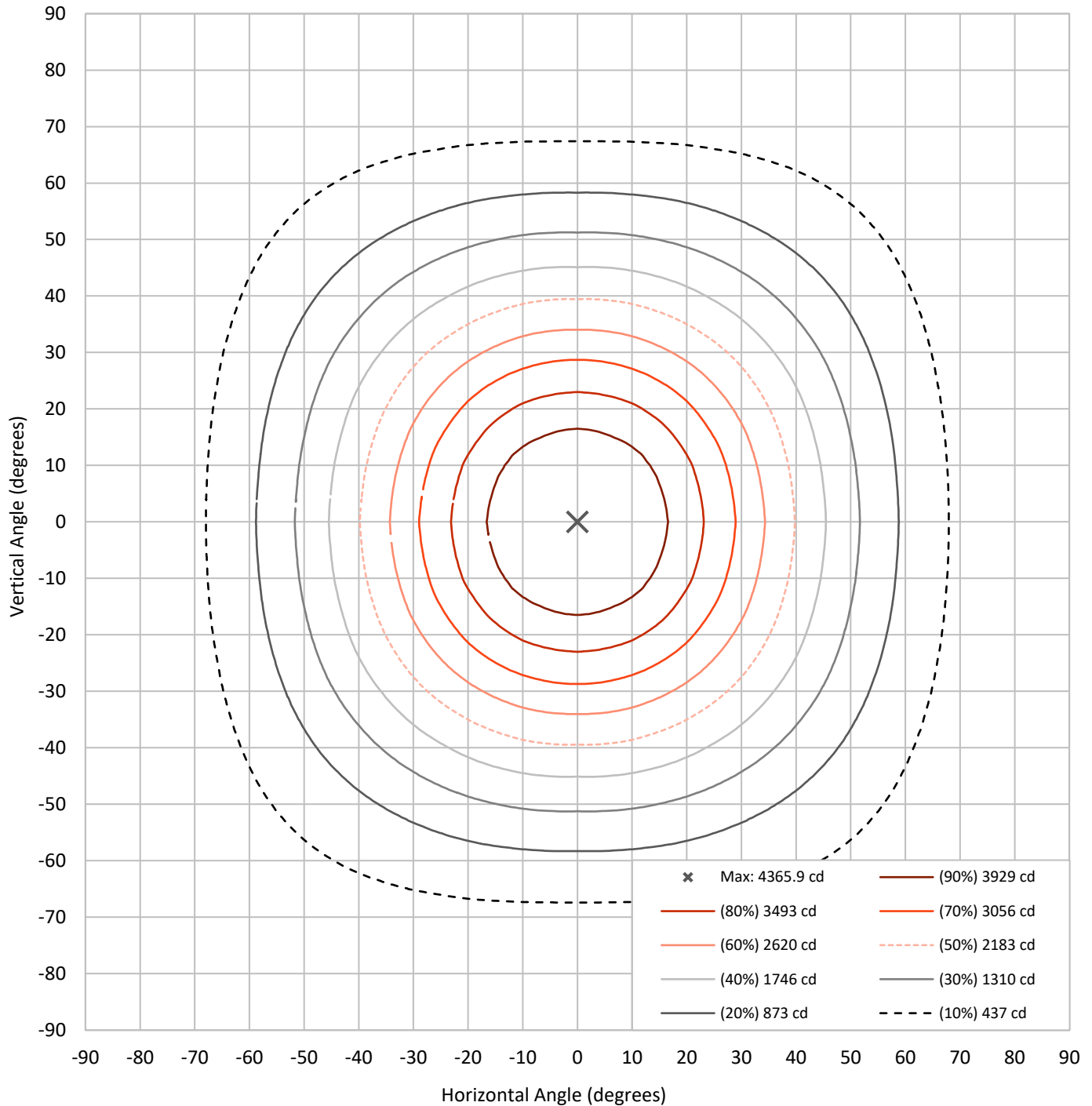
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	7891.1 lumens	Max Intensity:	4365.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	119.2 lumens/watt		
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' 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:	4628.1 lumens	Field Lumens:	7522.8 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
Input Watts (W):	66.2		
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





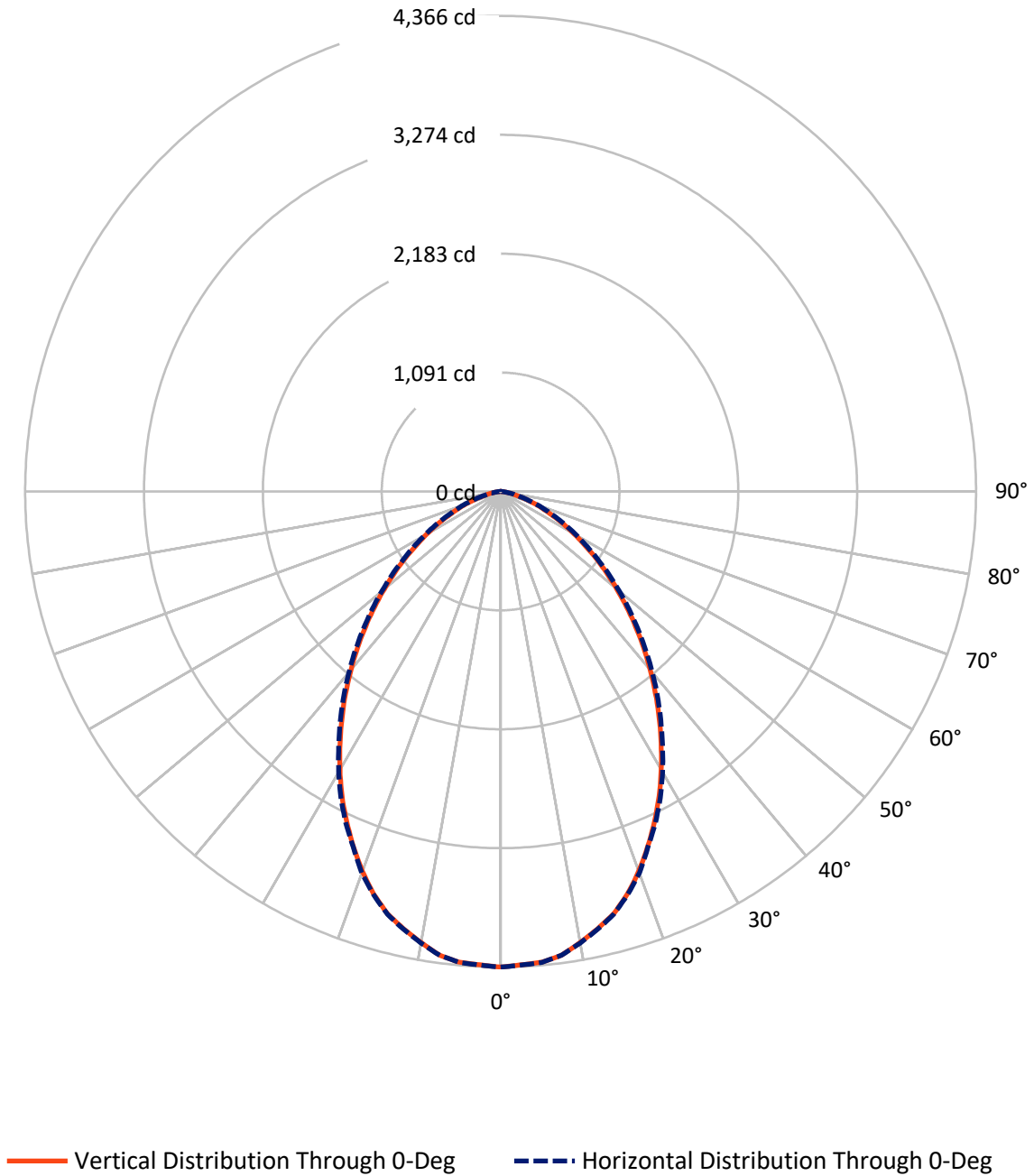
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Lumen Table

90															90				
80	0.3	3.2		8.8		14.9		14.1		14.9		8.8		3.2		0.3			
70															70				
60	1.5	2.0	4.1	7.0	10.2	13.1	15.4	16.5	16.5	15.4	13.1	10.2	7.0	4.1	2.0	1.5			
50		3.0	6.6	11.8	17.9	24.4	29.6	32.4	32.4	29.6	24.4	17.9	11.8	6.6	3.0				
40	2.6	4.1	9.6	17.7	28.1	38.9	48.0	53.0	53.0	48.0	38.9	28.1	17.7	9.6	4.1	2.6			
30		5.2	12.7	24.4	39.3	55.1	68.6	76.2	76.2	68.6	55.1	39.3	24.4	12.7	5.2				
20	3.3	6.2	15.6	30.7	50.0	71.0	89.3	99.8	99.8	89.3	71.0	50.0	30.7	15.6	6.2	3.3			
10		7.0	17.9	35.4	58.4	83.9	106.4	119.2	119.2	106.4	83.9	58.4	35.4	17.9	7.0				
0	3.6	7.4	19.2	38.0	63.1	91.1	115.7	129.2	129.2	115.7	91.1	63.1	38.0	19.2	7.4	3.6			
-10		7.4	19.2	38.0	63.1	91.1	115.7	129.2	129.2	115.7	91.1	63.1	38.0	19.2	7.4				
-20	3.3	7.0	17.9	35.4	58.4	83.9	106.4	119.2	119.2	106.4	83.9	58.4	35.4	17.9	7.0	3.3			
-30		6.2	15.6	30.7	50.0	71.0	89.3	99.8	99.8	89.3	71.0	50.0	30.7	15.6	6.2				
-40	2.6	5.2	12.7	24.4	39.3	55.1	68.6	76.2	76.2	68.6	55.1	39.3	24.4	12.7	5.2	2.6			
-50		4.1	9.6	17.7	28.1	38.9	48.0	53.0	53.0	48.0	38.9	28.1	17.7	9.6	4.1				
-60	1.5	3.0	6.6	11.8	17.9	24.4	29.6	32.4	32.4	29.6	24.4	17.9	11.8	6.6	3.0	1.5			
-70		2.0	4.1	7.0	10.2	13.1	15.4	16.5	16.5	15.4	13.1	10.2	7.0	4.1	2.0				
-80															-80				
-90	0.3	3.2		8.8		14.9		14.1		14.9		8.8		3.2		0.3			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

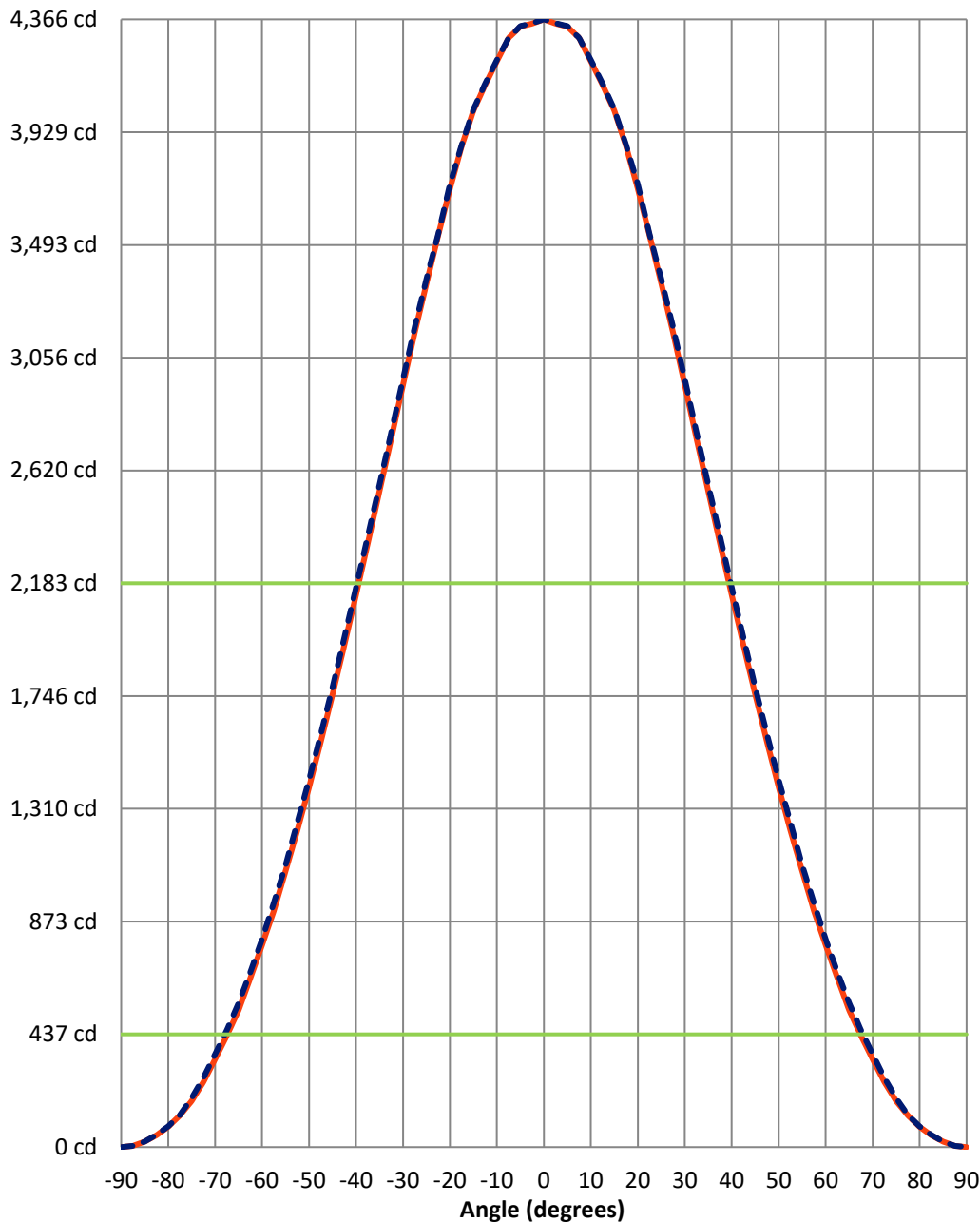
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 4628.1
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 7522.8
 Efficiency: 95.3%

Spill:
 Lumens: 368.3
 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	0.2	0.6	0.8	1.1	1.4	1.7	2.0	2.2	2.5	2.7
85°	0.0	0.5	1.1	1.7	2.3	2.8	3.4	3.9	4.4	5.0	5.5
82.5°	0.0	0.7	1.7	2.5	3.4	4.2	5.0	5.8	7.3	11.6	15.6
80°	0.0	1.0	2.2	3.4	4.5	5.6	7.6	13.5	19.3	24.8	30.0
77.5°	0.0	1.2	2.8	4.2	5.6	8.8	16.6	24.1	31.1	37.9	46.3
75°	0.0	1.5	3.3	5.0	7.3	15.3	25.3	34.5	43.4	55.5	68.3
72.5°	0.0	1.7	3.9	5.8	11.7	21.5	33.8	45.8	59.6	74.4	90.0
70°	0.0	1.9	4.4	7.0	15.9	27.6	42.3	59.3	75.6	92.9	113.3
67.5°	0.0	2.2	4.9	9.6	19.9	33.4	52.6	72.5	91.2	113.1	136.4
65°	0.0	2.4	5.4	12.1	23.8	39.9	62.3	85.3	108.0	132.7	158.0
62.5°	0.0	2.6	5.8	14.5	27.5	47.0	71.6	98.7	124.3	151.4	177.4
60°	0.0	2.8	6.3	16.8	30.9	53.7	80.3	112.0	139.9	168.8	196.5
57.5°	0.0	3.0	7.6	18.9	35.6	60.0	89.5	124.3	155.4	186.0	214.6
55°	0.0	3.2	8.8	20.9	39.9	65.9	98.2	135.0	170.5	202.6	231.9
52.5°	0.0	3.4	10.0	22.7	44.0	71.5	106.3	146.1	185.3	217.9	248.9
50°	0.0	3.5	11.1	24.4	47.8	77.4	113.6	156.7	199.4	232.7	268.3
47.5°	0.0	3.7	12.2	26.2	51.2	82.8	120.5	166.5	212.2	247.1	287.3
45°	0.0	3.9	13.3	28.4	54.3	87.7	128.2	175.6	222.1	263.3	305.4
42.5°	0.0	4.0	14.3	30.5	57.1	92.0	135.3	183.9	231.6	278.9	326.8
40°	0.0	4.1	15.2	32.6	59.8	95.8	141.7	191.8	241.5	293.4	347.7
37.5°	0.0	4.3	16.1	34.7	62.5	99.0	147.4	199.3	252.6	307.2	367.2
35°	0.0	4.4	16.9	36.7	64.8	102.8	152.5	206.3	263.4	323.1	387.0
32.5°	0.0	4.5	17.6	38.5	66.8	106.5	157.1	212.9	273.9	338.4	407.8
30°	0.0	4.6	18.3	40.1	68.3	109.7	162.0	219.5	284.0	353.0	427.4
27.5°	0.0	4.7	18.9	41.6	70.7	112.3	166.4	227.1	294.4	366.9	445.5
25°	0.0	4.7	19.4	42.9	72.9	114.4	170.2	234.3	305.3	381.0	462.2
22.5°	0.0	4.8	19.9	44.1	74.8	116.6	173.5	240.8	315.2	394.4	480.0
20°	0.0	4.9	20.3	45.1	76.5	119.5	176.2	246.6	324.3	406.3	496.0
17.5°	0.0	4.9	20.7	46.0	77.9	121.8	179.6	251.8	332.4	416.8	510.1
15°	0.0	4.9	21.0	46.7	79.0	123.7	183.2	256.7	339.4	425.8	522.3
12.5°	0.0	5.0	21.2	47.2	79.8	125.0	186.0	261.4	345.8	433.3	532.5
10°	0.0	5.0	21.3	47.6	80.4	125.8	188.2	264.9	351.2	440.3	541.0
7.5°	0.0	5.0	21.4	47.8	80.8	126.2	189.7	267.4	355.5	445.9	548.4
5°	0.0	5.0	21.5	47.8	80.8	126.0	190.5	268.8	358.3	450.0	553.7
2.5°	0.0	4.9	21.4	47.7	80.6	125.4	190.5	269.2	359.9	452.5	556.9
0°	0.0	4.9	21.3	47.5	80.2	124.4	189.8	268.4	360.0	453.3	558.0
-2.5°	0.0	4.9	21.4	47.7	80.6	125.4	190.5	269.2	359.9	452.5	556.9
-5°	0.0	5.0	21.5	47.8	80.8	126.0	190.5	268.8	358.3	450.0	553.7
-7.5°	0.0	5.0	21.4	47.8	80.8	126.2	189.7	267.4	355.5	445.9	548.4
-10°	0.0	5.0	21.3	47.6	80.4	125.8	188.2	264.9	351.2	440.3	541.0
-12.5°	0.0	5.0	21.2	47.2	79.8	125.0	186.0	261.4	345.8	433.3	532.5
-15°	0.0	4.9	21.0	46.7	79.0	123.7	183.2	256.7	339.4	425.8	522.3
-17.5°	0.0	4.9	20.7	46.0	77.9	121.8	179.6	251.8	332.4	416.8	510.1
-20°	0.0	4.9	20.3	45.1	76.5	119.5	176.2	246.6	324.3	406.3	496.0

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA1E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	4.8	19.9	44.1	74.8	116.6	173.5	240.8	315.2	394.4	480.0
-25°	0.0	4.7	19.4	42.9	72.9	114.4	170.2	234.3	305.3	381.0	462.2
-27.5°	0.0	4.7	18.9	41.6	70.7	112.3	166.4	227.1	294.4	366.9	445.5
-30°	0.0	4.6	18.3	40.1	68.3	109.7	162.0	219.5	284.0	353.0	427.4
-32.5°	0.0	4.5	17.6	38.5	66.8	106.5	157.1	212.9	273.9	338.4	407.8
-35°	0.0	4.4	16.9	36.7	64.8	102.8	152.5	206.3	263.4	323.1	387.0
-37.5°	0.0	4.3	16.1	34.7	62.5	99.0	147.4	199.3	252.6	307.2	367.2
-40°	0.0	4.1	15.2	32.6	59.8	95.8	141.7	191.8	241.5	293.4	347.7
-42.5°	0.0	4.0	14.3	30.5	57.1	92.0	135.3	183.9	231.6	278.9	326.8
-45°	0.0	3.9	13.3	28.4	54.3	87.7	128.2	175.6	222.1	263.3	305.4
-47.5°	0.0	3.7	12.2	26.2	51.2	82.8	120.5	166.5	212.2	247.1	287.3
-50°	0.0	3.5	11.1	24.4	47.8	77.4	113.6	156.7	199.4	232.7	268.3
-52.5°	0.0	3.4	10.0	22.7	44.0	71.5	106.3	146.1	185.3	217.9	248.9
-55°	0.0	3.2	8.8	20.9	39.9	65.9	98.2	135.0	170.5	202.6	231.9
-57.5°	0.0	3.0	7.6	18.9	35.6	60.0	89.5	124.3	155.4	186.0	214.6
-60°	0.0	2.8	6.3	16.8	30.9	53.7	80.3	112.0	139.9	168.8	196.5
-62.5°	0.0	2.6	5.8	14.5	27.5	47.0	71.6	98.7	124.3	151.4	177.4
-65°	0.0	2.4	5.4	12.1	23.8	39.9	62.3	85.3	108.0	132.7	158.0
-67.5°	0.0	2.2	4.9	9.6	19.9	33.4	52.6	72.5	91.2	113.1	136.4
-70°	0.0	1.9	4.4	7.0	15.9	27.6	42.3	59.3	75.6	92.9	113.3
-72.5°	0.0	1.7	3.9	5.8	11.7	21.5	33.8	45.8	59.6	74.4	90.0
-75°	0.0	1.5	3.3	5.0	7.3	15.3	25.3	34.5	43.4	55.5	68.3
-77.5°	0.0	1.2	2.8	4.2	5.6	8.8	16.6	24.1	31.1	37.9	46.3
-80°	0.0	1.0	2.2	3.4	4.5	5.6	7.6	13.5	19.3	24.8	30.0
-82.5°	0.0	0.7	1.7	2.5	3.4	4.2	5.0	5.8	7.3	11.6	15.6
-85°	0.0	0.5	1.1	1.7	2.3	2.8	3.4	3.9	4.4	5.0	5.5
-87.5°	0.0	0.2	0.6	0.8	1.1	1.4	1.7	2.0	2.2	2.5	2.7
-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°	3.2	3.7	4.2	4.7	4.7	4.7	4.7	4.6	4.8	5.0	5.2
85°	6.4	7.3	10.2	13.0	14.3	15.1	15.4	15.4	17.9	20.8	24.0
82.5°	19.9	24.0	27.9	31.6	32.6	32.6	32.3	32.4	38.3	45.1	52.0
80°	35.4	40.6	47.6	53.7	56.3	57.7	58.3	58.2	65.7	75.6	86.1
77.5°	56.2	65.0	72.6	79.1	82.6	85.7	88.2	90.1	99.7	112.3	124.7
75°	79.9	89.5	99.1	107.4	113.2	117.6	121.6	128.1	140.6	155.3	168.0
72.5°	104.9	117.2	127.9	136.9	145.0	153.7	163.5	174.1	187.3	202.0	215.3
70°	131.6	145.1	156.3	167.1	178.3	191.3	205.9	220.2	235.0	251.1	266.6
67.5°	157.8	170.8	183.9	197.6	214.3	231.7	248.9	268.7	288.9	306.8	322.8
65°	180.4	195.7	212.1	230.7	251.3	273.4	296.4	320.1	345.8	367.3	386.9
62.5°	202.1	220.4	240.4	263.6	289.9	316.1	345.4	375.1	404.0	429.3	452.7
60°	222.1	244.3	269.5	298.0	328.7	363.5	396.9	430.6	462.3	490.9	520.6
57.5°	241.5	269.5	299.7	333.9	372.7	411.8	451.0	487.3	523.2	558.1	591.6
55°	262.1	295.7	331.8	373.7	417.4	463.6	505.9	546.4	586.0	628.4	668.7
52.5°	284.7	322.3	367.4	414.4	464.8	514.4	560.9	607.1	654.8	702.8	755.4
50°	306.5	353.4	402.9	457.4	511.9	565.1	618.4	671.6	728.8	787.7	847.2
47.5°	332.0	383.2	441.6	500.1	559.7	618.9	678.2	742.5	807.5	875.8	941.6
45°	357.8	415.4	478.3	544.5	608.9	674.4	743.8	814.8	891.1	966.2	1045.3
42.5°	382.3	447.4	516.7	588.2	659.9	733.0	809.3	892.3	975.6	1062.3	1149.3
40°	409.3	477.8	554.2	633.0	710.7	791.9	879.1	969.0	1063.2	1158.5	1252.9
37.5°	435.4	510.6	591.0	675.8	763.0	852.2	946.9	1048.9	1151.1	1253.6	1357.8
35°	459.8	541.8	628.8	718.8	811.4	912.7	1018.6	1127.5	1238.2	1349.1	1461.2
32.5°	484.9	571.1	665.0	761.3	863.2	972.0	1087.9	1205.9	1323.8	1442.3	1564.9
30°	510.1	601.9	700.0	801.4	913.0	1031.4	1156.0	1281.0	1405.8	1536.1	1666.8
27.5°	533.8	631.1	734.4	842.9	960.6	1086.5	1218.8	1352.7	1487.2	1625.7	1765.2
25°	555.7	658.8	766.3	882.9	1007.6	1139.5	1277.3	1417.1	1564.6	1712.8	1858.4
22.5°	577.0	684.2	795.8	919.7	1050.2	1188.7	1332.2	1479.8	1633.9	1793.1	1943.8
20°	597.6	708.4	824.6	953.0	1088.3	1233.0	1382.1	1536.6	1698.3	1861.8	2023.8
17.5°	615.8	729.9	851.4	984.2	1124.7	1273.4	1427.1	1586.7	1755.6	1925.0	2096.7
15°	631.7	748.6	874.6	1011.4	1156.8	1310.2	1468.8	1632.9	1806.2	1982.6	2161.1
12.5°	645.1	764.5	894.1	1034.5	1184.1	1341.8	1504.7	1674.5	1852.5	2033.8	2217.6
10°	656.0	777.4	909.9	1053.4	1206.4	1367.9	1534.2	1708.9	1892.1	2077.4	2265.0
7.5°	665.3	788.2	922.5	1068.0	1223.6	1388.3	1557.1	1735.6	1923.7	2111.4	2303.2
5°	672.1	796.9	934.0	1080.2	1238.5	1404.3	1574.6	1754.7	1946.8	2135.6	2330.8
2.5°	676.1	802.6	941.8	1088.1	1250.3	1416.2	1590.0	1771.5	1963.7	2154.8	2351.6
0°	677.5	805.1	945.8	1091.5	1256.8	1422.0	1598.8	1780.4	1971.9	2166.6	2364.6
-2.5°	676.1	802.6	941.8	1088.1	1250.3	1416.2	1590.0	1771.5	1963.7	2154.8	2351.6
-5°	672.1	796.9	934.0	1080.2	1238.5	1404.3	1574.6	1754.7	1946.8	2135.6	2330.8
-7.5°	665.3	788.2	922.5	1068.0	1223.6	1388.3	1557.1	1735.6	1923.7	2111.4	2303.2
-10°	656.0	777.4	909.9	1053.4	1206.4	1367.9	1534.2	1708.9	1892.1	2077.4	2265.0
-12.5°	645.1	764.5	894.1	1034.5	1184.1	1341.8	1504.7	1674.5	1852.5	2033.8	2217.6
-15°	631.7	748.6	874.6	1011.4	1156.8	1310.2	1468.8	1632.9	1806.2	1982.6	2161.1
-17.5°	615.8	729.9	851.4	984.2	1124.7	1273.4	1427.1	1586.7	1755.6	1925.0	2096.7
-20°	597.6	708.4	824.6	953.0	1088.3	1233.0	1382.1	1536.6	1698.3	1861.8	2023.8

Classified

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

Scaled Data Report



REPORT NUMBER: P626811 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-740-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°	577.0	684.2	795.8	919.7	1050.2	1188.7	1332.2	1479.8	1633.9	1793.1	1943.8
-25°	555.7	658.8	766.3	882.9	1007.6	1139.5	1277.3	1417.1	1564.6	1712.8	1858.4
-27.5°	533.8	631.1	734.4	842.9	960.6	1086.5	1218.8	1352.7	1487.2	1625.7	1765.2
-30°	510.1	601.9	700.0	801.4	913.0	1031.4	1156.0	1281.0	1405.8	1536.1	1666.8
-32.5°	484.9	571.1	665.0	761.3	863.2	972.0	1087.9	1205.9	1323.8	1442.3	1564.9
-35°	459.8	541.8	628.8	718.8	811.4	912.7	1018.6	1127.5	1238.2	1349.1	1461.2
-37.5°	435.4	510.6	591.0	675.8	763.0	852.2	946.9	1048.9	1151.1	1253.6	1357.8
-40°	409.3	477.8	554.2	633.0	710.7	791.9	879.1	969.0	1063.2	1158.5	1252.9
-42.5°	382.3	447.4	516.7	588.2	659.9	733.0	809.3	892.3	975.6	1062.3	1149.3
-45°	357.8	415.4	478.3	544.5	608.9	674.4	743.8	814.8	891.1	966.2	1045.3
-47.5°	332.0	383.2	441.6	500.1	559.7	618.9	678.2	742.5	807.5	875.8	941.6
-50°	306.5	353.4	402.9	457.4	511.9	565.1	618.4	671.6	728.8	787.7	847.2
-52.5°	284.7	322.3	367.4	414.4	464.8	514.4	560.9	607.1	654.8	702.8	755.4
-55°	262.1	295.7	331.8	373.7	417.4	463.6	505.9	546.4	586.0	628.4	668.7
-57.5°	241.5	269.5	299.7	333.9	372.7	411.8	451.0	487.3	523.2	558.1	591.6
-60°	222.1	244.3	269.5	298.0	328.7	363.5	396.9	430.6	462.3	490.9	520.6
-62.5°	202.1	220.4	240.4	263.6	289.9	316.1	345.4	375.1	404.0	429.3	452.7
-65°	180.4	195.7	212.1	230.7	251.3	273.4	296.4	320.1	345.8	367.3	386.9
-67.5°	157.8	170.8	183.9	197.6	214.3	231.7	248.9	268.7	288.9	306.8	322.8
-70°	131.6	145.1	156.3	167.1	178.3	191.3	205.9	220.2	235.0	251.1	266.6
-72.5°	104.9	117.2	127.9	136.9	145.0	153.7	163.5	174.1	187.3	202.0	215.3
-75°	79.9	89.5	99.1	107.4	113.2	117.6	121.6	128.1	140.6	155.3	168.0
-77.5°	56.2	65.0	72.6	79.1	82.6	85.7	88.2	90.1	99.7	112.3	124.7
-80°	35.4	40.6	47.6	53.7	56.3	57.7	58.3	58.2	65.7	75.6	86.1
-82.5°	19.9	24.0	27.9	31.6	32.6	32.6	32.3	32.4	38.3	45.1	52.0
-85°	6.4	7.3	10.2	13.0	14.3	15.1	15.4	15.4	17.9	20.8	24.0
-87.5°	3.2	3.7	4.2	4.7	4.7	4.7	4.7	4.6	4.8	5.0	5.2
-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: P626811 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-740-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°	5.3	5.5	5.6	5.8	5.9	6.0	6.1	6.2	6.3	6.0	5.6
85°	27.3	29.3	31.1	32.8	34.4	36.0	37.4	38.8	40.0	36.6	32.7
82.5°	59.1	63.8	68.3	72.7	77.2	78.3	78.6	78.5	77.9	71.8	65.0
80°	96.4	104.4	111.9	119.4	126.8	127.7	126.8	125.3	123.2	115.2	106.1
77.5°	137.1	147.2	156.0	164.1	171.5	172.9	172.7	172.3	171.7	163.5	153.6
75°	178.9	188.7	198.3	206.4	213.2	216.3	217.8	218.8	219.4	213.6	205.9
72.5°	227.3	237.6	246.0	253.9	260.5	265.4	268.8	271.4	273.2	271.4	268.3
70°	279.9	290.9	300.1	309.0	318.1	325.3	330.8	334.7	337.2	338.9	340.0
67.5°	339.0	353.8	366.7	377.7	388.6	398.9	407.3	414.2	419.5	424.0	427.4
65°	405.7	424.6	441.3	456.8	470.9	485.7	497.9	508.1	516.4	523.2	528.6
62.5°	475.7	498.9	520.5	541.4	561.8	582.0	597.5	611.6	624.1	634.9	643.4
60°	548.6	574.9	603.8	631.4	656.8	680.0	703.0	723.0	740.1	754.2	765.7
57.5°	626.9	661.0	694.8	729.0	761.4	791.7	820.1	845.1	866.2	883.5	898.1
55°	711.5	754.1	793.3	836.5	878.3	916.3	949.7	979.2	1004.6	1025.9	1044.0
52.5°	804.5	856.3	907.1	956.3	1003.7	1047.8	1088.0	1122.2	1152.7	1178.8	1199.6
50°	906.1	965.4	1024.4	1079.2	1133.7	1184.5	1230.4	1270.2	1305.6	1336.3	1360.5
47.5°	1012.5	1080.1	1146.0	1208.6	1268.9	1325.4	1375.1	1420.4	1464.6	1500.7	1529.2
45°	1123.0	1198.8	1271.5	1343.1	1409.4	1472.7	1534.1	1590.6	1635.9	1675.6	1709.0
42.5°	1234.9	1319.4	1400.8	1478.9	1551.9	1625.1	1694.1	1755.8	1807.5	1852.7	1890.6
40°	1348.2	1440.7	1530.3	1615.5	1698.9	1778.8	1853.4	1918.5	1976.8	2030.5	2075.2
37.5°	1460.9	1562.6	1662.0	1757.4	1849.3	1935.8	2016.4	2089.9	2155.7	2216.8	2266.5
35°	1574.1	1685.7	1794.5	1899.5	1999.8	2095.3	2183.6	2267.2	2344.8	2406.7	2457.5
32.5°	1686.9	1806.9	1925.3	2040.8	2150.7	2253.6	2349.3	2441.7	2521.5	2589.5	2647.9
30°	1796.0	1926.0	2054.9	2180.2	2298.9	2410.4	2516.3	2614.0	2699.9	2774.3	2839.7
27.5°	1903.1	2042.8	2181.1	2314.9	2443.2	2564.3	2680.0	2786.0	2879.7	2960.6	3029.6
25°	2004.3	2154.5	2301.8	2443.8	2580.8	2714.5	2839.3	2955.0	3055.0	3143.8	3214.7
22.5°	2101.0	2261.1	2416.0	2565.3	2711.9	2856.0	2992.7	3113.4	3219.4	3312.2	3390.7
20°	2191.1	2362.7	2521.1	2679.0	2833.4	2987.3	3134.0	3261.4	3373.6	3472.4	3558.9
17.5°	2275.3	2451.3	2618.1	2786.3	2949.0	3110.3	3259.4	3396.1	3517.1	3622.0	3712.6
15°	2346.6	2524.3	2706.6	2886.1	3057.7	3221.0	3370.0	3512.6	3647.0	3760.5	3852.4
12.5°	2404.3	2589.2	2779.3	2969.8	3151.3	3314.5	3470.4	3615.1	3756.3	3883.7	3968.2
10°	2453.5	2643.8	2840.1	3034.4	3218.3	3391.0	3560.6	3713.5	3852.3	3966.4	4060.7
7.5°	2496.1	2692.1	2891.4	3086.1	3269.4	3447.7	3622.3	3784.8	3924.8	4032.3	4116.5
5°	2527.4	2728.1	2931.3	3127.7	3313.6	3492.5	3667.9	3828.3	3965.1	4074.5	4166.2
2.5°	2549.9	2752.5	2957.1	3153.8	3343.8	3523.2	3702.9	3865.2	3997.6	4097.8	4185.7
0°	2564.3	2767.2	2973.4	3174.6	3361.2	3534.6	3727.7	3879.9	4017.4	4117.2	4208.8
-2.5°	2549.9	2752.5	2957.1	3153.8	3343.8	3523.2	3702.9	3865.2	3997.6	4097.8	4185.7
-5°	2527.4	2728.1	2931.3	3127.7	3313.6	3492.5	3667.9	3828.3	3965.1	4074.5	4166.2
-7.5°	2496.1	2692.1	2891.4	3086.1	3269.4	3447.7	3622.3	3784.8	3924.8	4032.3	4116.5
-10°	2453.5	2643.8	2840.1	3034.4	3218.3	3391.0	3560.6	3713.5	3852.3	3966.4	4060.7
-12.5°	2404.3	2589.2	2779.3	2969.8	3151.3	3314.5	3470.4	3615.1	3756.3	3883.7	3968.2
-15°	2346.6	2524.3	2706.6	2886.1	3057.7	3221.0	3370.0	3512.6	3647.0	3760.5	3852.4
-17.5°	2275.3	2451.3	2618.1	2786.3	2949.0	3110.3	3259.4	3396.1	3517.1	3622.0	3712.6
-20°	2191.1	2362.7	2521.1	2679.0	2833.4	2987.3	3134.0	3261.4	3373.6	3472.4	3558.9



REPORT NUMBER: P626811 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2101.0	2261.1	2416.0	2565.3	2711.9	2856.0	2992.7	3113.4	3219.4	3312.2	3390.7
-25°	2004.3	2154.5	2301.8	2443.8	2580.8	2714.5	2839.3	2955.0	3055.0	3143.8	3214.7
-27.5°	1903.1	2042.8	2181.1	2314.9	2443.2	2564.3	2680.0	2786.0	2879.7	2960.6	3029.6
-30°	1796.0	1926.0	2054.9	2180.2	2298.9	2410.4	2516.3	2614.0	2699.9	2774.3	2839.7
-32.5°	1686.9	1806.9	1925.3	2040.8	2150.7	2253.6	2349.3	2441.7	2521.5	2589.5	2647.9
-35°	1574.1	1685.7	1794.5	1899.5	1999.8	2095.3	2183.6	2267.2	2344.8	2406.7	2457.5
-37.5°	1460.9	1562.6	1662.0	1757.4	1849.3	1935.8	2016.4	2089.9	2155.7	2216.8	2266.5
-40°	1348.2	1440.7	1530.3	1615.5	1698.9	1778.8	1853.4	1918.5	1976.8	2030.5	2075.2
-42.5°	1234.9	1319.4	1400.8	1478.9	1551.9	1625.1	1694.1	1755.8	1807.5	1852.7	1890.6
-45°	1123.0	1198.8	1271.5	1343.1	1409.4	1472.7	1534.1	1590.6	1635.9	1675.6	1709.0
-47.5°	1012.5	1080.1	1146.0	1208.6	1268.9	1325.4	1375.1	1420.4	1464.6	1500.7	1529.2
-50°	906.1	965.4	1024.4	1079.2	1133.7	1184.5	1230.4	1270.2	1305.6	1336.3	1360.5
-52.5°	804.5	856.3	907.1	956.3	1003.7	1047.8	1088.0	1122.2	1152.7	1178.8	1199.6
-55°	711.5	754.1	793.3	836.5	878.3	916.3	949.7	979.2	1004.6	1025.9	1044.0
-57.5°	626.9	661.0	694.8	729.0	761.4	791.7	820.1	845.1	866.2	883.5	898.1
-60°	548.6	574.9	603.8	631.4	656.8	680.0	703.0	723.0	740.1	754.2	765.7
-62.5°	475.7	498.9	520.5	541.4	561.8	582.0	597.5	611.6	624.1	634.9	643.4
-65°	405.7	424.6	441.3	456.8	470.9	485.7	497.9	508.1	516.4	523.2	528.6
-67.5°	339.0	353.8	366.7	377.7	388.6	398.9	407.3	414.2	419.5	424.0	427.4
-70°	279.9	290.9	300.1	309.0	318.1	325.3	330.8	334.7	337.2	338.9	340.0
-72.5°	227.3	237.6	246.0	253.9	260.5	265.4	268.8	271.4	273.2	271.4	268.3
-75°	178.9	188.7	198.3	206.4	213.2	216.3	217.8	218.8	219.4	213.6	205.9
-77.5°	137.1	147.2	156.0	164.1	171.5	172.9	172.7	172.3	171.7	163.5	153.6
-80°	96.4	104.4	111.9	119.4	126.8	127.7	126.8	125.3	123.2	115.2	106.1
-82.5°	59.1	63.8	68.3	72.7	77.2	78.3	78.6	78.5	77.9	71.8	65.0
-85°	27.3	29.3	31.1	32.8	34.4	36.0	37.4	38.8	40.0	36.6	32.7
-87.5°	5.3	5.5	5.6	5.8	5.9	6.0	6.1	6.2	6.3	6.0	5.6
-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: P626811 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-740-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°	5.3	4.9	4.9	4.9	4.9	4.9	5.3	5.6	6.0	6.3	6.2
85°	28.6	24.4	22.9	21.3	22.9	24.4	28.6	32.7	36.6	40.0	38.8
82.5°	57.9	50.5	48.2	45.8	48.2	50.5	57.9	65.0	71.8	77.9	78.5
80°	96.5	86.5	82.5	78.5	82.5	86.5	96.5	106.1	115.2	123.2	125.3
77.5°	143.2	132.2	127.5	122.7	127.5	132.2	143.2	153.6	163.5	171.7	172.3
75°	197.8	189.2	184.0	178.4	184.0	189.2	197.8	205.9	213.6	219.4	218.8
72.5°	264.6	260.4	256.6	252.0	256.6	260.4	264.6	268.3	271.4	273.2	271.4
70°	340.4	339.9	340.6	340.4	340.6	339.9	340.4	340.0	338.9	337.2	334.7
67.5°	429.2	429.3	431.2	432.0	431.2	429.3	429.2	427.4	424.0	419.5	414.2
65°	532.0	533.2	532.8	530.2	532.8	533.2	532.0	528.6	523.2	516.4	508.1
62.5°	649.5	653.0	655.0	654.6	655.0	653.0	649.5	643.4	634.9	624.1	611.6
60°	774.2	779.7	782.5	782.2	782.5	779.7	774.2	765.7	754.2	740.1	723.0
57.5°	908.9	916.0	917.7	914.8	917.7	916.0	908.9	898.1	883.5	866.2	845.1
55°	1057.6	1066.7	1070.2	1068.6	1070.2	1066.7	1057.6	1044.0	1025.9	1004.6	979.2
52.5°	1214.9	1224.7	1228.2	1225.7	1228.2	1224.7	1214.9	1199.6	1178.8	1152.7	1122.2
50°	1378.2	1390.1	1394.9	1392.6	1394.9	1390.1	1378.2	1360.5	1336.3	1305.6	1270.2
47.5°	1551.5	1567.4	1573.5	1569.3	1573.5	1567.4	1551.5	1529.2	1500.7	1464.6	1420.4
45°	1733.9	1750.3	1756.7	1752.6	1756.7	1750.3	1733.9	1709.0	1675.6	1635.9	1590.6
42.5°	1919.6	1940.9	1949.9	1942.4	1949.9	1940.9	1919.6	1890.6	1852.7	1807.5	1755.8
40°	2108.5	2131.6	2142.3	2137.2	2142.3	2131.6	2108.5	2075.2	2030.5	1976.8	1918.5
37.5°	2302.3	2325.3	2336.6	2336.8	2336.6	2325.3	2302.3	2266.5	2216.8	2155.7	2089.9
35°	2496.8	2524.7	2540.5	2539.7	2540.5	2524.7	2496.8	2457.5	2406.7	2344.8	2267.2
32.5°	2694.0	2724.2	2740.3	2742.6	2740.3	2724.2	2694.0	2647.9	2589.5	2521.5	2441.7
30°	2890.9	2924.1	2942.7	2950.4	2942.7	2924.1	2890.9	2839.7	2774.3	2699.9	2614.0
27.5°	3081.9	3122.7	3150.9	3153.4	3150.9	3122.7	3081.9	3029.6	2960.6	2879.7	2786.0
25°	3266.8	3308.4	3337.3	3343.2	3337.3	3308.4	3266.8	3214.7	3143.8	3055.0	2955.0
22.5°	3449.0	3492.5	3519.2	3529.7	3519.2	3492.5	3449.0	3390.7	3312.2	3219.4	3113.4
20°	3623.0	3670.2	3698.5	3709.7	3698.5	3670.2	3623.0	3558.9	3472.4	3373.6	3261.4
17.5°	3780.5	3830.3	3865.2	3875.0	3865.2	3830.3	3780.5	3712.6	3622.0	3517.1	3396.1
15°	3919.0	3966.2	3999.4	4012.5	3999.4	3966.2	3919.0	3852.4	3760.5	3647.0	3512.6
12.5°	4031.7	4074.0	4100.0	4112.3	4100.0	4074.0	4031.7	3968.2	3883.7	3756.3	3615.1
10°	4119.8	4162.2	4187.0	4203.9	4187.0	4162.2	4119.8	4060.7	3966.4	3852.3	3713.5
7.5°	4196.3	4239.7	4270.0	4293.9	4270.0	4239.7	4196.3	4116.5	4032.3	3924.8	3784.8
5°	4238.4	4311.0	4321.9	4338.1	4321.9	4311.0	4238.4	4166.2	4074.5	3965.1	3828.3
2.5°	4270.6	4322.1	4353.0	4349.6	4353.0	4322.1	4270.6	4185.7	4097.8	3997.6	3865.2
0°	4293.9	4339.8	4351.2	4365.9	4351.2	4339.8	4293.9	4208.8	4117.2	4017.4	3879.9
-2.5°	4270.6	4322.1	4353.0	4349.6	4353.0	4322.1	4270.6	4185.7	4097.8	3997.6	3865.2
-5°	4238.4	4311.0	4321.9	4338.1	4321.9	4311.0	4238.4	4166.2	4074.5	3965.1	3828.3
-7.5°	4196.3	4239.7	4270.0	4293.9	4270.0	4239.7	4196.3	4116.5	4032.3	3924.8	3784.8
-10°	4119.8	4162.2	4187.0	4203.9	4187.0	4162.2	4119.8	4060.7	3966.4	3852.3	3713.5
-12.5°	4031.7	4074.0	4100.0	4112.3	4100.0	4074.0	4031.7	3968.2	3883.7	3756.3	3615.1
-15°	3919.0	3966.2	3999.4	4012.5	3999.4	3966.2	3919.0	3852.4	3760.5	3647.0	3512.6
-17.5°	3780.5	3830.3	3865.2	3875.0	3865.2	3830.3	3780.5	3712.6	3622.0	3517.1	3396.1
-20°	3623.0	3670.2	3698.5	3709.7	3698.5	3670.2	3623.0	3558.9	3472.4	3373.6	3261.4



REPORT NUMBER: P626811 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-740-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°	3449.0	3492.5	3519.2	3529.7	3519.2	3492.5	3449.0	3390.7	3312.2	3219.4	3113.4
-25°	3266.8	3308.4	3337.3	3343.2	3337.3	3308.4	3266.8	3214.7	3143.8	3055.0	2955.0
-27.5°	3081.9	3122.7	3150.9	3153.4	3150.9	3122.7	3081.9	3029.6	2960.6	2879.7	2786.0
-30°	2890.9	2924.1	2942.7	2950.4	2942.7	2924.1	2890.9	2839.7	2774.3	2699.9	2614.0
-32.5°	2694.0	2724.2	2740.3	2742.6	2740.3	2724.2	2694.0	2647.9	2589.5	2521.5	2441.7
-35°	2496.8	2524.7	2540.5	2539.7	2540.5	2524.7	2496.8	2457.5	2406.7	2344.8	2267.2
-37.5°	2302.3	2325.3	2336.6	2336.8	2336.6	2325.3	2302.3	2266.5	2216.8	2155.7	2089.9
-40°	2108.5	2131.6	2142.3	2137.2	2142.3	2131.6	2108.5	2075.2	2030.5	1976.8	1918.5
-42.5°	1919.6	1940.9	1949.9	1942.4	1949.9	1940.9	1919.6	1890.6	1852.7	1807.5	1755.8
-45°	1733.9	1750.3	1756.7	1752.6	1756.7	1750.3	1733.9	1709.0	1675.6	1635.9	1590.6
-47.5°	1551.5	1567.4	1573.5	1569.3	1573.5	1567.4	1551.5	1529.2	1500.7	1464.6	1420.4
-50°	1378.2	1390.1	1394.9	1392.6	1394.9	1390.1	1378.2	1360.5	1336.3	1305.6	1270.2
-52.5°	1214.9	1224.7	1228.2	1225.7	1228.2	1224.7	1214.9	1199.6	1178.8	1152.7	1122.2
-55°	1057.6	1066.7	1070.2	1068.6	1070.2	1066.7	1057.6	1044.0	1025.9	1004.6	979.2
-57.5°	908.9	916.0	917.7	914.8	917.7	916.0	908.9	898.1	883.5	866.2	845.1
-60°	774.2	779.7	782.5	782.2	782.5	779.7	774.2	765.7	754.2	740.1	723.0
-62.5°	649.5	653.0	655.0	654.6	655.0	653.0	649.5	643.4	634.9	624.1	611.6
-65°	532.0	533.2	532.8	530.2	532.8	533.2	532.0	528.6	523.2	516.4	508.1
-67.5°	429.2	429.3	431.2	432.0	431.2	429.3	429.2	427.4	424.0	419.5	414.2
-70°	340.4	339.9	340.6	340.4	340.6	339.9	340.4	340.0	338.9	337.2	334.7
-72.5°	264.6	260.4	256.6	252.0	256.6	260.4	264.6	268.3	271.4	273.2	271.4
-75°	197.8	189.2	184.0	178.4	184.0	189.2	197.8	205.9	213.6	219.4	218.8
-77.5°	143.2	132.2	127.5	122.7	127.5	132.2	143.2	153.6	163.5	171.7	172.3
-80°	96.5	86.5	82.5	78.5	82.5	86.5	96.5	106.1	115.2	123.2	125.3
-82.5°	57.9	50.5	48.2	45.8	48.2	50.5	57.9	65.0	71.8	77.9	78.5
-85°	28.6	24.4	22.9	21.3	22.9	24.4	28.6	32.7	36.6	40.0	38.8
-87.5°	5.3	4.9	4.9	4.9	4.9	4.9	5.3	5.6	6.0	6.3	6.2
-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: P626811 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-740-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°	6.1	6.0	5.9	5.8	5.6	5.5	5.3	5.2	5.0	4.8	4.6
85°	37.4	36.0	34.4	32.8	31.1	29.3	27.3	24.0	20.8	17.9	15.4
82.5°	78.6	78.3	77.2	72.7	68.3	63.8	59.1	52.0	45.1	38.3	32.4
80°	126.8	127.7	126.8	119.4	111.9	104.4	96.4	86.1	75.6	65.7	58.2
77.5°	172.7	172.9	171.5	164.1	156.0	147.2	137.1	124.7	112.3	99.7	90.1
75°	217.8	216.3	213.2	206.4	198.3	188.7	178.9	168.0	155.3	140.6	128.1
72.5°	268.8	265.4	260.5	253.9	246.0	237.6	227.3	215.3	202.0	187.3	174.1
70°	330.8	325.3	318.1	309.0	300.1	290.9	279.9	266.6	251.1	235.0	220.2
67.5°	407.3	398.9	388.6	377.7	366.7	353.8	339.0	322.8	306.8	288.9	268.7
65°	497.9	485.7	470.9	456.8	441.3	424.6	405.7	386.9	367.3	345.8	320.1
62.5°	597.5	582.0	561.8	541.4	520.5	498.9	475.7	452.7	429.3	404.0	375.1
60°	703.0	680.0	656.8	631.4	603.8	574.9	548.6	520.6	490.9	462.3	430.6
57.5°	820.1	791.7	761.4	729.0	694.8	661.0	626.9	591.6	558.1	523.2	487.3
55°	949.7	916.3	878.3	836.5	793.3	754.1	711.5	668.7	628.4	586.0	546.4
52.5°	1088.0	1047.8	1003.7	956.3	907.1	856.3	804.5	755.4	702.8	654.8	607.1
50°	1230.4	1184.5	1133.7	1079.2	1024.4	965.4	906.1	847.2	787.7	728.8	671.6
47.5°	1375.1	1325.4	1268.9	1208.6	1146.0	1080.1	1012.5	941.6	875.8	807.5	742.5
45°	1534.1	1472.7	1409.4	1343.1	1271.5	1198.8	1123.0	1045.3	966.2	891.1	814.8
42.5°	1694.1	1625.1	1551.9	1478.9	1400.8	1319.4	1234.9	1149.3	1062.3	975.6	892.3
40°	1853.4	1778.8	1698.9	1615.5	1530.3	1440.7	1348.2	1252.9	1158.5	1063.2	969.0
37.5°	2016.4	1935.8	1849.3	1757.4	1662.0	1562.6	1460.9	1357.8	1253.6	1151.1	1048.9
35°	2183.6	2095.3	1999.8	1899.5	1794.5	1685.7	1574.1	1461.2	1349.1	1238.2	1127.5
32.5°	2349.3	2253.6	2150.7	2040.8	1925.3	1806.9	1686.9	1564.9	1442.3	1323.8	1205.9
30°	2516.3	2410.4	2298.9	2180.2	2054.9	1926.0	1796.0	1666.8	1536.1	1405.8	1281.0
27.5°	2680.0	2564.3	2443.2	2314.9	2181.1	2042.8	1903.1	1765.2	1625.7	1487.2	1352.7
25°	2839.3	2714.5	2580.8	2443.8	2301.8	2154.5	2004.3	1858.4	1712.8	1564.6	1417.1
22.5°	2992.7	2856.0	2711.9	2565.3	2416.0	2261.1	2101.0	1943.8	1793.1	1633.9	1479.8
20°	3134.0	2987.3	2833.4	2679.0	2521.1	2362.7	2191.1	2023.8	1861.8	1698.3	1536.6
17.5°	3259.4	3110.3	2949.0	2786.3	2618.1	2451.3	2275.3	2096.7	1925.0	1755.6	1586.7
15°	3370.0	3221.0	3057.7	2886.1	2706.6	2524.3	2346.6	2161.1	1982.6	1806.2	1632.9
12.5°	3470.4	3314.5	3151.3	2969.8	2779.3	2589.2	2404.3	2217.6	2033.8	1852.5	1674.5
10°	3560.6	3391.0	3218.3	3034.4	2840.1	2643.8	2453.5	2265.0	2077.4	1892.1	1708.9
7.5°	3622.3	3447.7	3269.4	3086.1	2891.4	2692.1	2496.1	2303.2	2111.4	1923.7	1735.6
5°	3667.9	3492.5	3313.6	3127.7	2931.3	2728.1	2527.4	2330.8	2135.6	1946.8	1754.7
2.5°	3702.9	3523.2	3343.8	3153.8	2957.1	2752.5	2549.9	2351.6	2154.8	1963.7	1771.5
0°	3727.7	3534.6	3361.2	3174.6	2973.4	2767.2	2564.3	2364.6	2166.6	1971.9	1780.4
-2.5°	3702.9	3523.2	3343.8	3153.8	2957.1	2752.5	2549.9	2351.6	2154.8	1963.7	1771.5
-5°	3667.9	3492.5	3313.6	3127.7	2931.3	2728.1	2527.4	2330.8	2135.6	1946.8	1754.7
-7.5°	3622.3	3447.7	3269.4	3086.1	2891.4	2692.1	2496.1	2303.2	2111.4	1923.7	1735.6
-10°	3560.6	3391.0	3218.3	3034.4	2840.1	2643.8	2453.5	2265.0	2077.4	1892.1	1708.9
-12.5°	3470.4	3314.5	3151.3	2969.8	2779.3	2589.2	2404.3	2217.6	2033.8	1852.5	1674.5
-15°	3370.0	3221.0	3057.7	2886.1	2706.6	2524.3	2346.6	2161.1	1982.6	1806.2	1632.9
-17.5°	3259.4	3110.3	2949.0	2786.3	2618.1	2451.3	2275.3	2096.7	1925.0	1755.6	1586.7
-20°	3134.0	2987.3	2833.4	2679.0	2521.1	2362.7	2191.1	2023.8	1861.8	1698.3	1536.6



REPORT NUMBER: P626811 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2992.7	2856.0	2711.9	2565.3	2416.0	2261.1	2101.0	1943.8	1793.1	1633.9	1479.8
-25°	2839.3	2714.5	2580.8	2443.8	2301.8	2154.5	2004.3	1858.4	1712.8	1564.6	1417.1
-27.5°	2680.0	2564.3	2443.2	2314.9	2181.1	2042.8	1903.1	1765.2	1625.7	1487.2	1352.7
-30°	2516.3	2410.4	2298.9	2180.2	2054.9	1926.0	1796.0	1666.8	1536.1	1405.8	1281.0
-32.5°	2349.3	2253.6	2150.7	2040.8	1925.3	1806.9	1686.9	1564.9	1442.3	1323.8	1205.9
-35°	2183.6	2095.3	1999.8	1899.5	1794.5	1685.7	1574.1	1461.2	1349.1	1238.2	1127.5
-37.5°	2016.4	1935.8	1849.3	1757.4	1662.0	1562.6	1460.9	1357.8	1253.6	1151.1	1048.9
-40°	1853.4	1778.8	1698.9	1615.5	1530.3	1440.7	1348.2	1252.9	1158.5	1063.2	969.0
-42.5°	1694.1	1625.1	1551.9	1478.9	1400.8	1319.4	1234.9	1149.3	1062.3	975.6	892.3
-45°	1534.1	1472.7	1409.4	1343.1	1271.5	1198.8	1123.0	1045.3	966.2	891.1	814.8
-47.5°	1375.1	1325.4	1268.9	1208.6	1146.0	1080.1	1012.5	941.6	875.8	807.5	742.5
-50°	1230.4	1184.5	1133.7	1079.2	1024.4	965.4	906.1	847.2	787.7	728.8	671.6
-52.5°	1088.0	1047.8	1003.7	956.3	907.1	856.3	804.5	755.4	702.8	654.8	607.1
-55°	949.7	916.3	878.3	836.5	793.3	754.1	711.5	668.7	628.4	586.0	546.4
-57.5°	820.1	791.7	761.4	729.0	694.8	661.0	626.9	591.6	558.1	523.2	487.3
-60°	703.0	680.0	656.8	631.4	603.8	574.9	548.6	520.6	490.9	462.3	430.6
-62.5°	597.5	582.0	561.8	541.4	520.5	498.9	475.7	452.7	429.3	404.0	375.1
-65°	497.9	485.7	470.9	456.8	441.3	424.6	405.7	386.9	367.3	345.8	320.1
-67.5°	407.3	398.9	388.6	377.7	366.7	353.8	339.0	322.8	306.8	288.9	268.7
-70°	330.8	325.3	318.1	309.0	300.1	290.9	279.9	266.6	251.1	235.0	220.2
-72.5°	268.8	265.4	260.5	253.9	246.0	237.6	227.3	215.3	202.0	187.3	174.1
-75°	217.8	216.3	213.2	206.4	198.3	188.7	178.9	168.0	155.3	140.6	128.1
-77.5°	172.7	172.9	171.5	164.1	156.0	147.2	137.1	124.7	112.3	99.7	90.1
-80°	126.8	127.7	126.8	119.4	111.9	104.4	96.4	86.1	75.6	65.7	58.2
-82.5°	78.6	78.3	77.2	72.7	68.3	63.8	59.1	52.0	45.1	38.3	32.4
-85°	37.4	36.0	34.4	32.8	31.1	29.3	27.3	24.0	20.8	17.9	15.4
-87.5°	6.1	6.0	5.9	5.8	5.6	5.5	5.3	5.2	5.0	4.8	4.6
-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: P626811 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA1E-740-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°	4.7	4.7	4.7	4.7	4.2	3.7	3.2	2.7	2.5	2.2	2.0
85°	15.4	15.1	14.3	13.0	10.2	7.3	6.4	5.5	5.0	4.4	3.9
82.5°	32.3	32.6	32.6	31.6	27.9	24.0	19.9	15.6	11.6	7.3	5.8
80°	58.3	57.7	56.3	53.7	47.6	40.6	35.4	30.0	24.8	19.3	13.5
77.5°	88.2	85.7	82.6	79.1	72.6	65.0	56.2	46.3	37.9	31.1	24.1
75°	121.6	117.6	113.2	107.4	99.1	89.5	79.9	68.3	55.5	43.4	34.5
72.5°	163.5	153.7	145.0	136.9	127.9	117.2	104.9	90.0	74.4	59.6	45.8
70°	205.9	191.3	178.3	167.1	156.3	145.1	131.6	113.3	92.9	75.6	59.3
67.5°	248.9	231.7	214.3	197.6	183.9	170.8	157.8	136.4	113.1	91.2	72.5
65°	296.4	273.4	251.3	230.7	212.1	195.7	180.4	158.0	132.7	108.0	85.3
62.5°	345.4	316.1	289.9	263.6	240.4	220.4	202.1	177.4	151.4	124.3	98.7
60°	396.9	363.5	328.7	298.0	269.5	244.3	222.1	196.5	168.8	139.9	112.0
57.5°	451.0	411.8	372.7	333.9	299.7	269.5	241.5	214.6	186.0	155.4	124.3
55°	505.9	463.6	417.4	373.7	331.8	295.7	262.1	231.9	202.6	170.5	135.0
52.5°	560.9	514.4	464.8	414.4	367.4	322.3	284.7	248.9	217.9	185.3	146.1
50°	618.4	565.1	511.9	457.4	402.9	353.4	306.5	268.3	232.7	199.4	156.7
47.5°	678.2	618.9	559.7	500.1	441.6	383.2	332.0	287.3	247.1	212.2	166.5
45°	743.8	674.4	608.9	544.5	478.3	415.4	357.8	305.4	263.3	222.1	175.6
42.5°	809.3	733.0	659.9	588.2	516.7	447.4	382.3	326.8	278.9	231.6	183.9
40°	879.1	791.9	710.7	633.0	554.2	477.8	409.3	347.7	293.4	241.5	191.8
37.5°	946.9	852.2	763.0	675.8	591.0	510.6	435.4	367.2	307.2	252.6	199.3
35°	1018.6	912.7	811.4	718.8	628.8	541.8	459.8	387.0	323.1	263.4	206.3
32.5°	1087.9	972.0	863.2	761.3	665.0	571.1	484.9	407.8	338.4	273.9	212.9
30°	1156.0	1031.4	913.0	801.4	700.0	601.9	510.1	427.4	353.0	284.0	219.5
27.5°	1218.8	1086.5	960.6	842.9	734.4	631.1	533.8	445.5	366.9	294.4	227.1
25°	1277.3	1139.5	1007.6	882.9	766.3	658.8	555.7	462.2	381.0	305.3	234.3
22.5°	1332.2	1188.7	1050.2	919.7	795.8	684.2	577.0	480.0	394.4	315.2	240.8
20°	1382.1	1233.0	1088.3	953.0	824.6	708.4	597.6	496.0	406.3	324.3	246.6
17.5°	1427.1	1273.4	1124.7	984.2	851.4	729.9	615.8	510.1	416.8	332.4	251.8
15°	1468.8	1310.2	1156.8	1011.4	874.6	748.6	631.7	522.3	425.8	339.4	256.7
12.5°	1504.7	1341.8	1184.1	1034.5	894.1	764.5	645.1	532.5	433.3	345.8	261.4
10°	1534.2	1367.9	1206.4	1053.4	909.9	777.4	656.0	541.0	440.3	351.2	264.9
7.5°	1557.1	1388.3	1223.6	1068.0	922.5	788.2	665.3	548.4	445.9	355.5	267.4
5°	1574.6	1404.3	1238.5	1080.2	934.0	796.9	672.1	553.7	450.0	358.3	268.8
2.5°	1590.0	1416.2	1250.3	1088.1	941.8	802.6	676.1	556.9	452.5	359.9	269.2
0°	1598.8	1422.0	1256.8	1091.5	945.8	805.1	677.5	558.0	453.3	360.0	268.4
-2.5°	1590.0	1416.2	1250.3	1088.1	941.8	802.6	676.1	556.9	452.5	359.9	269.2
-5°	1574.6	1404.3	1238.5	1080.2	934.0	796.9	672.1	553.7	450.0	358.3	268.8
-7.5°	1557.1	1388.3	1223.6	1068.0	922.5	788.2	665.3	548.4	445.9	355.5	267.4
-10°	1534.2	1367.9	1206.4	1053.4	909.9	777.4	656.0	541.0	440.3	351.2	264.9
-12.5°	1504.7	1341.8	1184.1	1034.5	894.1	764.5	645.1	532.5	433.3	345.8	261.4
-15°	1468.8	1310.2	1156.8	1011.4	874.6	748.6	631.7	522.3	425.8	339.4	256.7
-17.5°	1427.1	1273.4	1124.7	984.2	851.4	729.9	615.8	510.1	416.8	332.4	251.8
-20°	1382.1	1233.0	1088.3	953.0	824.6	708.4	597.6	496.0	406.3	324.3	246.6



REPORT NUMBER: P626811 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-740-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°	1332.2	1188.7	1050.2	919.7	795.8	684.2	577.0	480.0	394.4	315.2	240.8
-25°	1277.3	1139.5	1007.6	882.9	766.3	658.8	555.7	462.2	381.0	305.3	234.3
-27.5°	1218.8	1086.5	960.6	842.9	734.4	631.1	533.8	445.5	366.9	294.4	227.1
-30°	1156.0	1031.4	913.0	801.4	700.0	601.9	510.1	427.4	353.0	284.0	219.5
-32.5°	1087.9	972.0	863.2	761.3	665.0	571.1	484.9	407.8	338.4	273.9	212.9
-35°	1018.6	912.7	811.4	718.8	628.8	541.8	459.8	387.0	323.1	263.4	206.3
-37.5°	946.9	852.2	763.0	675.8	591.0	510.6	435.4	367.2	307.2	252.6	199.3
-40°	879.1	791.9	710.7	633.0	554.2	477.8	409.3	347.7	293.4	241.5	191.8
-42.5°	809.3	733.0	659.9	588.2	516.7	447.4	382.3	326.8	278.9	231.6	183.9
-45°	743.8	674.4	608.9	544.5	478.3	415.4	357.8	305.4	263.3	222.1	175.6
-47.5°	678.2	618.9	559.7	500.1	441.6	383.2	332.0	287.3	247.1	212.2	166.5
-50°	618.4	565.1	511.9	457.4	402.9	353.4	306.5	268.3	232.7	199.4	156.7
-52.5°	560.9	514.4	464.8	414.4	367.4	322.3	284.7	248.9	217.9	185.3	146.1
-55°	505.9	463.6	417.4	373.7	331.8	295.7	262.1	231.9	202.6	170.5	135.0
-57.5°	451.0	411.8	372.7	333.9	299.7	269.5	241.5	214.6	186.0	155.4	124.3
-60°	396.9	363.5	328.7	298.0	269.5	244.3	222.1	196.5	168.8	139.9	112.0
-62.5°	345.4	316.1	289.9	263.6	240.4	220.4	202.1	177.4	151.4	124.3	98.7
-65°	296.4	273.4	251.3	230.7	212.1	195.7	180.4	158.0	132.7	108.0	85.3
-67.5°	248.9	231.7	214.3	197.6	183.9	170.8	157.8	136.4	113.1	91.2	72.5
-70°	205.9	191.3	178.3	167.1	156.3	145.1	131.6	113.3	92.9	75.6	59.3
-72.5°	163.5	153.7	145.0	136.9	127.9	117.2	104.9	90.0	74.4	59.6	45.8
-75°	121.6	117.6	113.2	107.4	99.1	89.5	79.9	68.3	55.5	43.4	34.5
-77.5°	88.2	85.7	82.6	79.1	72.6	65.0	56.2	46.3	37.9	31.1	24.1
-80°	58.3	57.7	56.3	53.7	47.6	40.6	35.4	30.0	24.8	19.3	13.5
-82.5°	32.3	32.6	32.6	31.6	27.9	24.0	19.9	15.6	11.6	7.3	5.8
-85°	15.4	15.1	14.3	13.0	10.2	7.3	6.4	5.5	5.0	4.4	3.9
-87.5°	4.7	4.7	4.7	4.7	4.2	3.7	3.2	2.7	2.5	2.2	2.0
-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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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P626811 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-740-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°	1.7	1.4	1.1	0.8	0.6	0.2	0.0
85°	3.4	2.8	2.3	1.7	1.1	0.5	0.0
82.5°	5.0	4.2	3.4	2.5	1.7	0.7	0.0
80°	7.6	5.6	4.5	3.4	2.2	1.0	0.0
77.5°	16.6	8.8	5.6	4.2	2.8	1.2	0.0
75°	25.3	15.3	7.3	5.0	3.3	1.5	0.0
72.5°	33.8	21.5	11.7	5.8	3.9	1.7	0.0
70°	42.3	27.6	15.9	7.0	4.4	1.9	0.0
67.5°	52.6	33.4	19.9	9.6	4.9	2.2	0.0
65°	62.3	39.9	23.8	12.1	5.4	2.4	0.0
62.5°	71.6	47.0	27.5	14.5	5.8	2.6	0.0
60°	80.3	53.7	30.9	16.8	6.3	2.8	0.0
57.5°	89.5	60.0	35.6	18.9	7.6	3.0	0.0
55°	98.2	65.9	39.9	20.9	8.8	3.2	0.0
52.5°	106.3	71.5	44.0	22.7	10.0	3.4	0.0
50°	113.6	77.4	47.8	24.4	11.1	3.5	0.0
47.5°	120.5	82.8	51.2	26.2	12.2	3.7	0.0
45°	128.2	87.7	54.3	28.4	13.3	3.9	0.0
42.5°	135.3	92.0	57.1	30.5	14.3	4.0	0.0
40°	141.7	95.8	59.8	32.6	15.2	4.1	0.0
37.5°	147.4	99.0	62.5	34.7	16.1	4.3	0.0
35°	152.5	102.8	64.8	36.7	16.9	4.4	0.0
32.5°	157.1	106.5	66.8	38.5	17.6	4.5	0.0
30°	162.0	109.7	68.3	40.1	18.3	4.6	0.0
27.5°	166.4	112.3	70.7	41.6	18.9	4.7	0.0
25°	170.2	114.4	72.9	42.9	19.4	4.7	0.0
22.5°	173.5	116.6	74.8	44.1	19.9	4.8	0.0
20°	176.2	119.5	76.5	45.1	20.3	4.9	0.0
17.5°	179.6	121.8	77.9	46.0	20.7	4.9	0.0
15°	183.2	123.7	79.0	46.7	21.0	4.9	0.0
12.5°	186.0	125.0	79.8	47.2	21.2	5.0	0.0
10°	188.2	125.8	80.4	47.6	21.3	5.0	0.0
7.5°	189.7	126.2	80.8	47.8	21.4	5.0	0.0
5°	190.5	126.0	80.8	47.8	21.5	5.0	0.0
2.5°	190.5	125.4	80.6	47.7	21.4	4.9	0.0
0°	189.8	124.4	80.2	47.5	21.3	4.9	0.0
-2.5°	190.5	125.4	80.6	47.7	21.4	4.9	0.0
-5°	190.5	126.0	80.8	47.8	21.5	5.0	0.0
-7.5°	189.7	126.2	80.8	47.8	21.4	5.0	0.0
-10°	188.2	125.8	80.4	47.6	21.3	5.0	0.0
-12.5°	186.0	125.0	79.8	47.2	21.2	5.0	0.0
-15°	183.2	123.7	79.0	46.7	21.0	4.9	0.0
-17.5°	179.6	121.8	77.9	46.0	20.7	4.9	0.0
-20°	176.2	119.5	76.5	45.1	20.3	4.9	0.0

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Scaled Data Report



REPORT NUMBER: P626811 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA1E-740-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	173.5	116.6	74.8	44.1	19.9	4.8	0.0
-25°	170.2	114.4	72.9	42.9	19.4	4.7	0.0
-27.5°	166.4	112.3	70.7	41.6	18.9	4.7	0.0
-30°	162.0	109.7	68.3	40.1	18.3	4.6	0.0
-32.5°	157.1	106.5	66.8	38.5	17.6	4.5	0.0
-35°	152.5	102.8	64.8	36.7	16.9	4.4	0.0
-37.5°	147.4	99.0	62.5	34.7	16.1	4.3	0.0
-40°	141.7	95.8	59.8	32.6	15.2	4.1	0.0
-42.5°	135.3	92.0	57.1	30.5	14.3	4.0	0.0
-45°	128.2	87.7	54.3	28.4	13.3	3.9	0.0
-47.5°	120.5	82.8	51.2	26.2	12.2	3.7	0.0
-50°	113.6	77.4	47.8	24.4	11.1	3.5	0.0
-52.5°	106.3	71.5	44.0	22.7	10.0	3.4	0.0
-55°	98.2	65.9	39.9	20.9	8.8	3.2	0.0
-57.5°	89.5	60.0	35.6	18.9	7.6	3.0	0.0
-60°	80.3	53.7	30.9	16.8	6.3	2.8	0.0
-62.5°	71.6	47.0	27.5	14.5	5.8	2.6	0.0
-65°	62.3	39.9	23.8	12.1	5.4	2.4	0.0
-67.5°	52.6	33.4	19.9	9.6	4.9	2.2	0.0
-70°	42.3	27.6	15.9	7.0	4.4	1.9	0.0
-72.5°	33.8	21.5	11.7	5.8	3.9	1.7	0.0
-75°	25.3	15.3	7.3	5.0	3.3	1.5	0.0
-77.5°	16.6	8.8	5.6	4.2	2.8	1.2	0.0
-80°	7.6	5.6	4.5	3.4	2.2	1.0	0.0
-82.5°	5.0	4.2	3.4	2.5	1.7	0.7	0.0
-85°	3.4	2.8	2.3	1.7	1.1	0.5	0.0
-87.5°	1.7	1.4	1.1	0.8	0.6	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)