

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: P627473 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4D-740-U-WR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627473 (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-SA4D-740-U-WR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N102
Light Source: (64) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

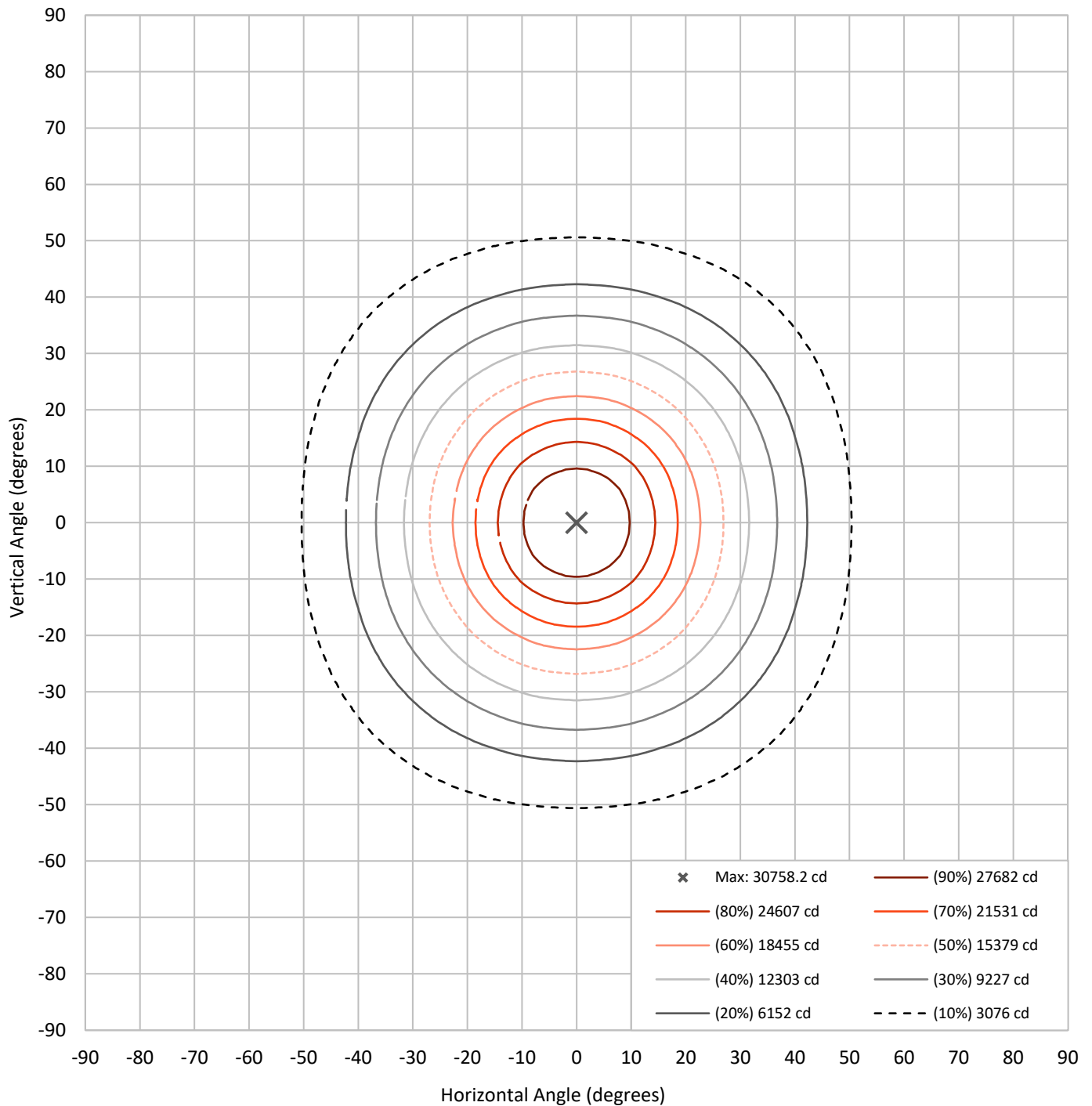
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	31304.6 lumens	Max Intensity:	30758.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	141.4 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:	14968 lumens	Field Lumens:	27627.4 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	221.4		
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





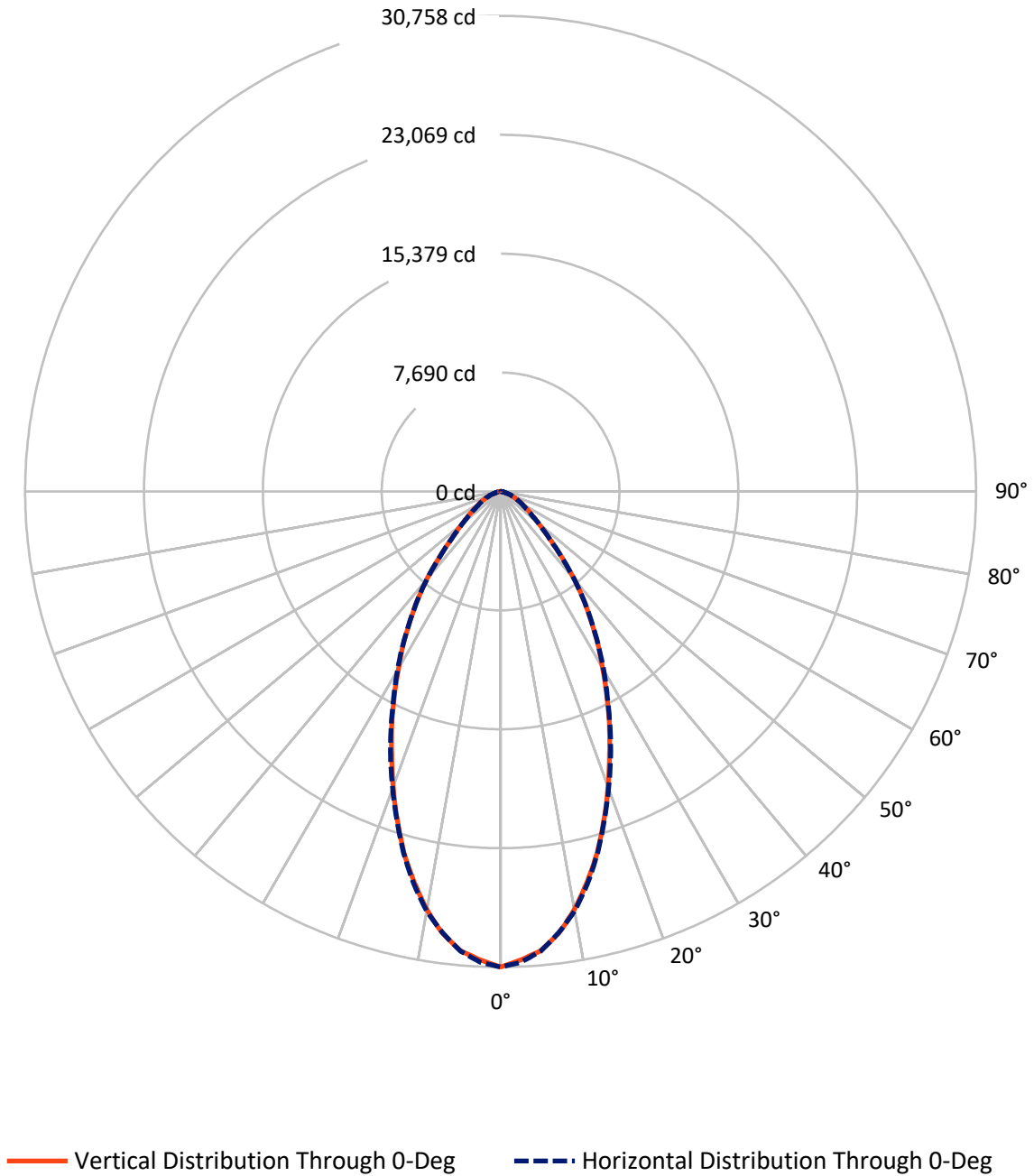
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Lumen Table

90																			
80	1.2	8.6		19.7		32.8		28.1		32.8		19.7		8.6		1.2			
70																			
60	4.1	4.8	9.0	14.4	20.9	27.1	31.8	34.1	34.1	31.8	27.1	20.9	14.4	9.0	4.8	4.1			
50		6.7	13.6	23.5	36.0	49.6	61.8	68.9	68.9	61.8	49.6	36.0	23.5	13.6	6.7				
40	6.0	8.6	18.7	35.1	59.1	90.9	125.3	148.2	148.2	125.3	90.9	59.1	35.1	18.7	8.6	6.0			
30		10.5	24.6	51.0	99.2	176.2	256.0	303.6	303.6	256.0	176.2	99.2	51.0	24.6	10.5				
20	7.1	12.2	30.6	71.3	160.4	288.3	412.6	493.1	493.1	412.6	288.3	160.4	71.3	30.6	12.2	7.1			
10		13.6	35.9	92.5	218.9	389.3	574.8	707.1	707.1	574.8	389.3	218.9	92.5	35.9	13.6				
0	7.4	14.3	38.9	106.3	252.0	452.6	688.8	866.2	866.2	688.8	452.6	252.0	106.3	38.9	14.3	7.4			
-10		14.3	38.9	106.3	252.0	452.6	688.8	866.2	866.2	688.8	452.6	252.0	106.3	38.9	14.3				
-20	7.1	13.6	35.9	92.5	218.9	389.3	574.8	707.1	707.1	574.8	389.3	218.9	92.5	35.9	13.6	7.1			
-30		12.2	30.6	71.3	160.4	288.3	412.6	493.1	493.1	412.6	288.3	160.4	71.3	30.6	12.2				
-40	6.0	10.5	24.6	51.0	99.2	176.2	256.0	303.6	303.6	256.0	176.2	99.2	51.0	24.6	10.5	6.0			
-50		8.6	18.7	35.1	59.1	90.9	125.3	148.2	148.2	125.3	90.9	59.1	35.1	18.7	8.6				
-60	4.1	6.7	13.6	23.5	36.0	49.6	61.8	68.9	68.9	61.8	49.6	36.0	23.5	13.6	6.7	4.1			
-70		4.8	9.0	14.4	20.9	27.1	31.8	34.1	34.1	31.8	27.1	20.9	14.4	9.0	4.8				
-80																			
-90	1.2	8.6		19.7		32.8		28.1		32.8		19.7		8.6		1.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

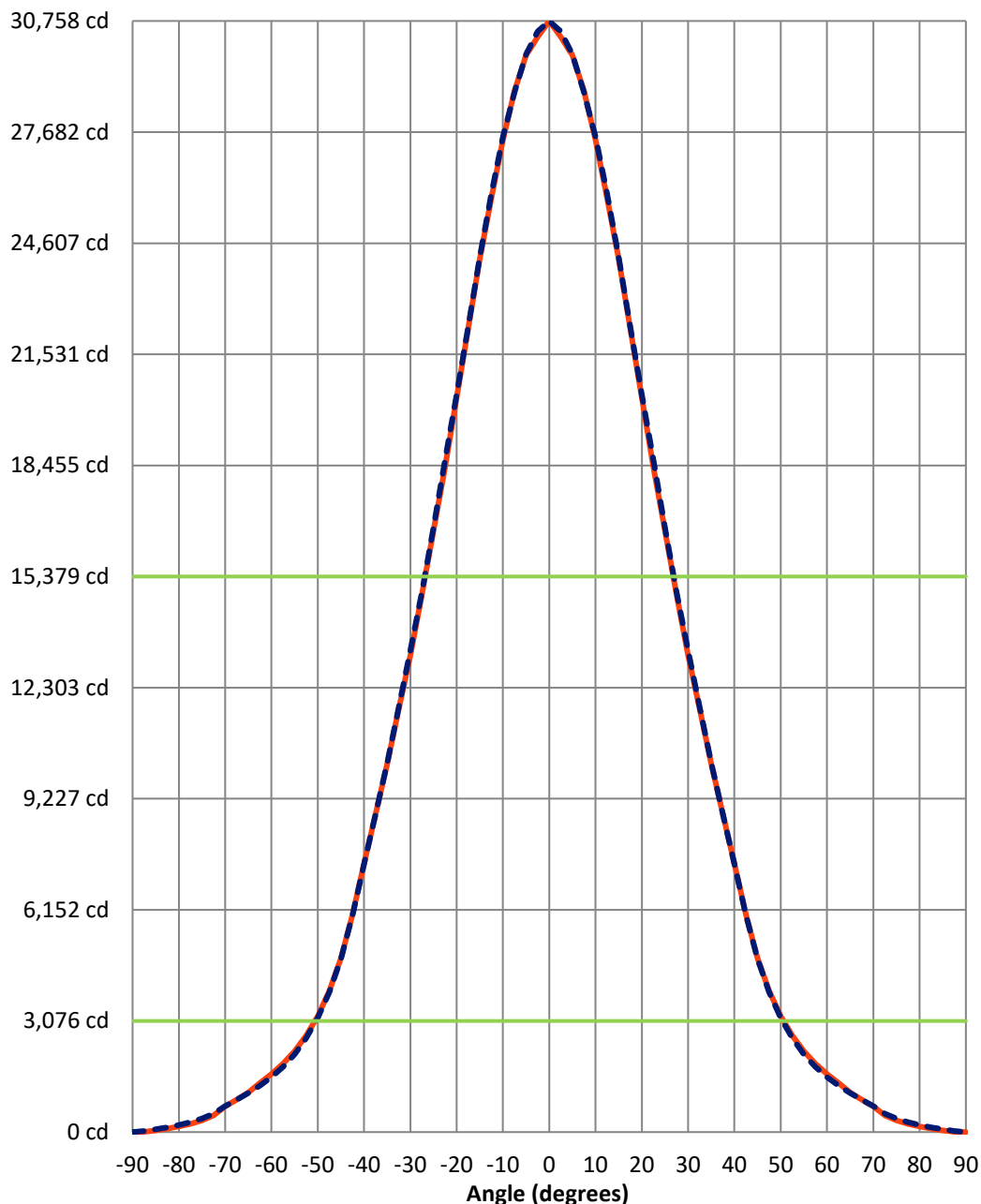
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 53.8°
 V Angle: 53.6°
 Lumens: 14968
 Efficiency: 47.8%

Field:
 H Angle: 100.8°
 V Angle: 101.2°
 Lumens: 27627.4
 Efficiency: 88.3%

Spill:
 Lumens: 3677.2
 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	1.6	3.6	5.9	8.5	11.4	14.6	16.2	17.5	18.5	19.3
85°	0.0	3.1	7.2	11.7	16.9	22.8	29.2	32.4	35.0	37.1	38.7
82.5°	0.0	4.7	10.7	17.6	25.3	34.0	43.6	48.5	53.5	62.0	69.6
80°	0.0	6.2	14.3	23.3	33.6	45.2	59.2	73.6	86.2	97.4	107.3
77.5°	0.0	7.7	17.7	29.0	41.8	58.8	84.6	103.2	118.7	132.7	146.5
75°	0.0	9.2	21.2	34.6	50.7	76.8	109.2	132.7	151.3	170.3	190.5
72.5°	0.0	10.7	24.5	40.1	62.8	94.3	133.0	161.6	184.1	208.2	233.8
70°	0.0	12.1	27.8	45.8	74.4	111.2	155.6	188.9	216.2	245.4	279.8
67.5°	0.0	13.6	30.9	53.0	85.6	127.2	175.3	215.7	247.7	284.0	325.2
65°	0.0	14.9	34.0	59.8	96.2	142.0	193.9	241.8	278.8	321.2	368.2
62.5°	0.0	16.3	37.0	66.2	106.2	155.5	211.5	266.6	308.7	356.8	408.2
60°	0.0	17.6	39.8	72.3	115.6	168.2	228.0	290.1	337.1	391.2	447.0
57.5°	0.0	18.8	43.3	78.0	124.3	180.0	243.0	311.3	365.9	424.5	482.7
55°	0.0	20.0	46.6	83.3	132.4	190.8	256.7	328.1	394.1	456.4	516.9
52.5°	0.0	21.1	49.8	88.0	139.8	200.8	269.3	346.5	421.0	486.8	550.3
50°	0.0	22.2	52.9	92.4	146.6	210.0	280.8	363.7	447.1	516.5	587.0
47.5°	0.0	23.2	55.8	96.3	152.6	218.2	291.4	379.4	472.9	545.4	623.0
45°	0.0	24.2	58.5	100.3	157.9	225.5	303.3	393.5	491.4	576.6	657.8
42.5°	0.0	25.1	61.1	103.7	162.5	231.9	313.9	407.3	508.3	606.6	693.8
40°	0.0	26.0	63.6	107.5	166.6	237.2	323.3	420.7	525.0	634.6	728.7
37.5°	0.0	26.7	65.9	111.4	170.3	241.6	331.2	432.9	543.3	656.7	761.7
35°	0.0	27.5	68.0	115.0	173.3	246.6	337.8	443.7	560.9	680.9	795.6
32.5°	0.0	28.1	69.9	118.2	175.6	251.3	343.9	453.2	577.6	705.6	830.2
30°	0.0	28.7	71.7	121.1	177.2	254.9	350.7	462.4	593.4	730.5	862.8
27.5°	0.0	29.2	73.2	123.7	181.0	257.5	356.2	473.9	609.9	755.5	893.3
25°	0.0	29.6	74.6	126.0	184.7	259.0	360.5	484.2	628.3	779.9	921.9
22.5°	0.0	30.0	75.9	127.9	187.9	261.1	363.6	493.2	645.9	802.4	953.1
20°	0.0	30.3	76.9	129.5	190.6	265.8	365.4	500.8	662.5	822.6	981.0
17.5°	0.0	30.6	77.7	130.7	192.9	269.7	369.4	507.0	677.7	840.4	1005.6
15°	0.0	30.7	78.4	131.7	194.8	272.7	374.4	512.8	691.4	855.7	1026.7
12.5°	0.0	30.8	78.8	132.3	196.1	275.0	377.9	518.1	703.0	868.5	1044.3
10°	0.0	30.9	79.1	132.5	197.0	276.4	380.2	521.0	712.1	879.2	1058.5
7.5°	0.0	30.8	79.2	132.5	197.4	276.9	381.1	521.6	718.4	887.5	1069.6
5°	0.0	30.8	79.1	132.1	197.3	276.7	380.7	520.1	721.9	893.1	1076.9
2.5°	0.0	30.6	78.8	131.4	196.7	275.7	379.0	516.5	722.3	895.8	1080.5
0°	0.0	30.4	78.3	130.4	195.6	273.9	376.1	510.9	719.6	895.6	1080.4
-2.5°	0.0	30.6	78.8	131.4	196.7	275.7	379.0	516.5	722.3	895.8	1080.5
-5°	0.0	30.8	79.1	132.1	197.3	276.7	380.7	520.1	721.9	893.1	1076.9
-7.5°	0.0	30.8	79.2	132.5	197.4	276.9	381.1	521.6	718.4	887.5	1069.6
-10°	0.0	30.9	79.1	132.5	197.0	276.4	380.2	521.0	712.1	879.2	1058.5
-12.5°	0.0	30.8	78.8	132.3	196.1	275.0	377.9	518.1	703.0	868.5	1044.3
-15°	0.0	30.7	78.4	131.7	194.8	272.7	374.4	512.8	691.4	855.7	1026.7
-17.5°	0.0	30.6	77.7	130.7	192.9	269.7	369.4	507.0	677.7	840.4	1005.6
-20°	0.0	30.3	76.9	129.5	190.6	265.8	365.4	500.8	662.5	822.6	981.0

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CATALOG NUMBER: GFLD-SA4D-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	30.0	75.9	127.9	187.9	261.1	363.6	493.2	645.9	802.4	953.1
-25°	0.0	29.6	74.6	126.0	184.7	259.0	360.5	484.2	628.3	779.9	921.9
-27.5°	0.0	29.2	73.2	123.7	181.0	257.5	356.2	473.9	609.9	755.5	893.3
-30°	0.0	28.7	71.7	121.1	177.2	254.9	350.7	462.4	593.4	730.5	862.8
-32.5°	0.0	28.1	69.9	118.2	175.6	251.3	343.9	453.2	577.6	705.6	830.2
-35°	0.0	27.5	68.0	115.0	173.3	246.6	337.8	443.7	560.9	680.9	795.6
-37.5°	0.0	26.7	65.9	111.4	170.3	241.6	331.2	432.9	543.3	656.7	761.7
-40°	0.0	26.0	63.6	107.5	166.6	237.2	323.3	420.7	525.0	634.6	728.7
-42.5°	0.0	25.1	61.1	103.7	162.5	231.9	313.9	407.3	508.3	606.6	693.8
-45°	0.0	24.2	58.5	100.3	157.9	225.5	303.3	393.5	491.4	576.6	657.8
-47.5°	0.0	23.2	55.8	96.3	152.6	218.2	291.4	379.4	472.9	545.4	623.0
-50°	0.0	22.2	52.9	92.4	146.6	210.0	280.8	363.7	447.1	516.5	587.0
-52.5°	0.0	21.1	49.8	88.0	139.8	200.8	269.3	346.5	421.0	486.8	550.3
-55°	0.0	20.0	46.6	83.3	132.4	190.8	256.7	328.1	394.1	456.4	516.9
-57.5°	0.0	18.8	43.3	78.0	124.3	180.0	243.0	311.3	365.9	424.5	482.7
-60°	0.0	17.6	39.8	72.3	115.6	168.2	228.0	290.1	337.1	391.2	447.0
-62.5°	0.0	16.3	37.0	66.2	106.2	155.5	211.5	266.6	308.7	356.8	408.2
-65°	0.0	14.9	34.0	59.8	96.2	142.0	193.9	241.8	278.8	321.2	368.2
-67.5°	0.0	13.6	30.9	53.0	85.6	127.2	175.3	215.7	247.7	284.0	325.2
-70°	0.0	12.1	27.8	45.8	74.4	111.2	155.6	188.9	216.2	245.4	279.8
-72.5°	0.0	10.7	24.5	40.1	62.8	94.3	133.0	161.6	184.1	208.2	233.8
-75°	0.0	9.2	21.2	34.6	50.7	76.8	109.2	132.7	151.3	170.3	190.5
-77.5°	0.0	7.7	17.7	29.0	41.8	58.8	84.6	103.2	118.7	132.7	146.5
-80°	0.0	6.2	14.3	23.3	33.6	45.2	59.2	73.6	86.2	97.4	107.3
-82.5°	0.0	4.7	10.7	17.6	25.3	34.0	43.6	48.5	53.5	62.0	69.6
-85°	0.0	3.1	7.2	11.7	16.9	22.8	29.2	32.4	35.0	37.1	38.7
-87.5°	0.0	1.6	3.6	5.9	8.5	11.4	14.6	16.2	17.5	18.5	19.3
-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°	19.6	19.6	19.3	18.7	17.9	16.8	15.5	13.9	14.4	15.0	15.5
85°	39.2	39.2	42.5	45.5	46.9	47.1	46.1	44.1	49.9	56.4	63.4
82.5°	76.6	83.2	89.5	95.4	96.0	94.4	91.6	88.1	99.8	113.8	128.5
80°	117.3	127.1	138.4	148.9	151.4	150.4	147.1	141.7	157.1	178.7	202.1
77.5°	162.8	178.4	192.8	206.2	210.0	209.5	207.0	202.7	222.2	252.2	283.5
75°	210.8	229.6	248.3	264.6	271.6	272.2	271.4	276.0	301.7	336.8	367.8
72.5°	260.8	284.8	305.8	323.8	335.1	343.7	355.1	369.0	395.0	429.5	459.9
70°	313.7	340.3	362.5	382.4	399.7	418.5	442.6	466.4	493.7	528.2	559.8
67.5°	365.9	392.9	417.9	442.5	473.9	504.0	533.9	565.1	599.5	635.7	667.7
65°	414.3	444.7	475.3	511.0	551.8	585.9	622.9	663.4	708.5	749.3	786.3
62.5°	460.7	495.0	532.8	576.0	620.2	662.9	712.5	764.6	817.3	868.4	919.0
60°	499.9	542.6	588.5	637.3	688.4	746.5	804.5	866.5	929.5	991.0	1053.7
57.5°	537.5	590.5	643.3	700.1	763.8	830.2	899.9	969.7	1045.0	1119.4	1190.6
55°	576.6	639.0	699.2	766.5	839.4	917.4	996.2	1080.8	1164.0	1257.7	1344.2
52.5°	618.5	686.3	757.0	834.0	919.2	1007.2	1099.5	1196.6	1300.1	1404.3	1509.9
50°	659.2	735.7	814.4	906.5	1001.7	1102.3	1208.9	1322.0	1442.5	1563.1	1691.0
47.5°	701.8	783.4	879.5	979.6	1088.7	1203.2	1323.9	1458.4	1592.4	1744.2	1890.8
45°	743.9	837.7	942.0	1058.3	1178.1	1307.0	1450.6	1598.3	1769.2	1940.7	2133.4
42.5°	784.2	892.4	1010.1	1134.4	1270.8	1418.9	1577.8	1763.5	1956.3	2168.6	2394.7
40°	830.6	944.7	1077.4	1216.3	1364.0	1533.4	1724.6	1930.7	2165.9	2417.4	2674.4
37.5°	875.5	1003.8	1143.6	1294.3	1465.8	1656.5	1867.7	2120.3	2391.7	2677.7	3027.2
35°	917.7	1060.0	1211.9	1377.0	1562.7	1783.7	2036.2	2315.5	2628.2	2996.9	3404.8
32.5°	962.5	1113.1	1276.3	1461.5	1671.8	1913.2	2200.0	2528.7	2898.8	3318.7	3828.9
30°	1007.6	1167.9	1340.3	1540.7	1774.6	2054.0	2379.9	2743.2	3169.0	3695.6	4294.6
27.5°	1049.3	1219.0	1407.9	1624.6	1874.7	2183.8	2552.7	2978.7	3480.2	4075.4	4775.1
25°	1087.7	1265.6	1470.1	1704.6	1985.0	2324.1	2724.1	3195.7	3791.6	4501.3	5362.2
22.5°	1124.2	1308.1	1526.2	1776.5	2084.3	2459.8	2910.0	3449.6	4108.4	4904.9	5937.3
20°	1158.5	1354.0	1582.0	1845.3	2173.1	2582.3	3080.9	3686.7	4436.4	5379.3	6501.2
17.5°	1188.7	1394.5	1634.8	1919.6	2272.1	2706.8	3242.1	3896.0	4728.3	5802.9	7021.6
15°	1214.6	1429.4	1680.5	1984.0	2361.2	2830.6	3411.3	4125.6	5032.8	6188.2	7478.5
12.5°	1236.1	1458.6	1718.9	2038.1	2436.1	2935.2	3555.8	4330.1	5329.4	6551.0	7879.6
10°	1253.3	1482.0	1749.8	2081.9	2496.5	3020.2	3674.8	4497.4	5576.2	6862.1	8219.0
7.5°	1267.7	1500.3	1773.5	2115.0	2542.2	3085.1	3767.5	4626.6	5769.1	7108.4	8479.4
5°	1277.9	1513.5	1791.5	2138.2	2575.7	3130.4	3832.3	4716.9	5906.3	7286.9	8657.4
2.5°	1283.6	1520.6	1801.8	2150.6	2596.3	3156.0	3866.4	4773.5	5981.8	7388.7	8765.1
0°	1284.8	1521.7	1804.3	2152.1	2602.1	3160.8	3871.7	4791.2	5997.7	7415.1	8804.2
-2.5°	1283.6	1520.6	1801.8	2150.6	2596.3	3156.0	3866.4	4773.5	5981.8	7388.7	8765.1
-5°	1277.9	1513.5	1791.5	2138.2	2575.7	3130.4	3832.3	4716.9	5906.3	7286.9	8657.4
-7.5°	1267.7	1500.3	1773.5	2115.0	2542.2	3085.1	3767.5	4626.6	5769.1	7108.4	8479.4
-10°	1253.3	1482.0	1749.8	2081.9	2496.5	3020.2	3674.8	4497.4	5576.2	6862.1	8219.0
-12.5°	1236.1	1458.6	1718.9	2038.1	2436.1	2935.2	3555.8	4330.1	5329.4	6551.0	7879.6
-15°	1214.6	1429.4	1680.5	1984.0	2361.2	2830.6	3411.3	4125.6	5032.8	6188.2	7478.5
-17.5°	1188.7	1394.5	1634.8	1919.6	2272.1	2706.8	3242.1	3896.0	4728.3	5802.9	7021.6
-20°	1158.5	1354.0	1582.0	1845.3	2173.1	2582.3	3080.9	3686.7	4436.4	5379.3	6501.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627473 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	1124.2	1308.1	1526.2	1776.5	2084.3	2459.8	2910.0	3449.6	4108.4	4904.9	5937.3
-25°	1087.7	1265.6	1470.1	1704.6	1985.0	2324.1	2724.1	3195.7	3791.6	4501.3	5362.2
-27.5°	1049.3	1219.0	1407.9	1624.6	1874.7	2183.8	2552.7	2978.7	3480.2	4075.4	4775.1
-30°	1007.6	1167.9	1340.3	1540.7	1774.6	2054.0	2379.9	2743.2	3169.0	3695.6	4294.6
-32.5°	962.5	1113.1	1276.3	1461.5	1671.8	1913.2	2200.0	2528.7	2898.8	3318.7	3828.9
-35°	917.7	1060.0	1211.9	1377.0	1562.7	1783.7	2036.2	2315.5	2628.2	2996.9	3404.8
-37.5°	875.5	1003.8	1143.6	1294.3	1465.8	1656.5	1867.7	2120.3	2391.7	2677.7	3027.2
-40°	830.6	944.7	1077.4	1216.3	1364.0	1533.4	1724.6	1930.7	2165.9	2417.4	2674.4
-42.5°	784.2	892.4	1010.1	1134.4	1270.8	1418.9	1577.8	1763.5	1956.3	2168.6	2394.7
-45°	743.9	837.7	942.0	1058.3	1178.1	1307.0	1450.6	1598.3	1769.2	1940.7	2133.4
-47.5°	701.8	783.4	879.5	979.6	1088.7	1203.2	1323.9	1458.4	1592.4	1744.2	1890.8
-50°	659.2	735.7	814.4	906.5	1001.7	1102.3	1208.9	1322.0	1442.5	1563.1	1691.0
-52.5°	618.5	686.3	757.0	834.0	919.2	1007.2	1099.5	1196.6	1300.1	1404.3	1509.9
-55°	576.6	639.0	699.2	766.5	839.4	917.4	996.2	1080.8	1164.0	1257.7	1344.2
-57.5°	537.5	590.5	643.3	700.1	763.8	830.2	899.9	969.7	1045.0	1119.4	1190.6
-60°	499.9	542.6	588.5	637.3	688.4	746.5	804.5	866.5	929.5	991.0	1053.7
-62.5°	460.7	495.0	532.8	576.0	620.2	662.9	712.5	764.6	817.3	868.4	919.0
-65°	414.3	444.7	475.3	511.0	551.8	585.9	622.9	663.4	708.5	749.3	786.3
-67.5°	365.9	392.9	417.9	442.5	473.9	504.0	533.9	565.1	599.5	635.7	667.7
-70°	313.7	340.3	362.5	382.4	399.7	418.5	442.6	466.4	493.7	528.2	559.8
-72.5°	260.8	284.8	305.8	323.8	335.1	343.7	355.1	369.0	395.0	429.5	459.9
-75°	210.8	229.6	248.3	264.6	271.6	272.2	271.4	276.0	301.7	336.8	367.8
-77.5°	162.8	178.4	192.8	206.2	210.0	209.5	207.0	202.7	222.2	252.2	283.5
-80°	117.3	127.1	138.4	148.9	151.4	150.4	147.1	141.7	157.1	178.7	202.1
-82.5°	76.6	83.2	89.5	95.4	96.0	94.4	91.6	88.1	99.8	113.8	128.5
-85°	39.2	39.2	42.5	45.5	46.9	47.1	46.1	44.1	49.9	56.4	63.4
-87.5°	19.6	19.6	19.3	18.7	17.9	16.8	15.5	13.9	14.4	15.0	15.5
-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: P627473 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	16.1	15.6	15.1	14.5	13.8	13.5	13.3	12.9	12.6	11.6	10.7
85°	70.7	72.3	73.2	73.6	73.6	76.0	78.2	80.2	81.9	74.3	65.8
82.5°	143.8	150.5	156.4	162.3	168.1	172.1	175.1	177.3	178.7	161.8	142.8
80°	226.3	240.5	252.2	263.4	274.2	276.8	276.8	275.3	272.3	249.2	222.9
77.5°	314.8	333.3	348.0	362.6	376.9	382.2	384.8	386.8	388.1	359.4	324.1
75°	394.9	417.0	437.6	456.7	474.4	483.8	489.3	493.8	497.3	468.6	430.7
72.5°	486.3	509.8	532.1	553.3	572.0	584.4	592.5	599.1	604.4	588.0	564.3
70°	586.9	611.1	634.7	656.8	677.9	694.6	707.7	719.0	728.4	730.2	729.4
67.5°	698.6	727.2	755.2	779.2	804.4	827.9	848.6	865.8	879.6	888.6	893.7
65°	823.9	866.9	905.2	937.7	964.8	996.2	1023.9	1045.1	1060.1	1071.4	1081.1
62.5°	971.6	1023.8	1067.6	1110.8	1155.4	1198.8	1225.9	1253.2	1279.7	1304.8	1326.3
60°	1113.8	1171.0	1230.2	1285.5	1336.6	1383.7	1432.3	1475.5	1513.2	1544.8	1568.3
57.5°	1265.3	1334.8	1402.2	1472.4	1538.4	1600.0	1660.1	1715.6	1763.6	1804.0	1837.0
55°	1429.6	1514.8	1594.9	1683.9	1770.3	1849.0	1921.5	1995.7	2062.7	2121.6	2168.3
52.5°	1606.9	1717.6	1823.7	1928.2	2040.1	2141.1	2231.5	2334.5	2425.8	2501.3	2560.1
50°	1818.6	1948.6	2088.6	2218.3	2359.4	2498.4	2626.5	2750.6	2872.0	2977.0	3062.0
47.5°	2059.6	2219.6	2393.1	2565.0	2740.1	2930.1	3099.6	3257.2	3426.9	3574.3	3692.5
45°	2327.5	2531.5	2741.1	2982.6	3205.0	3449.1	3675.0	3877.9	4118.6	4330.6	4501.3
42.5°	2624.7	2896.5	3172.1	3476.3	3771.4	4081.3	4410.4	4702.4	5021.6	5325.9	5571.9
40°	2993.1	3318.0	3687.1	4055.2	4478.8	4876.8	5356.3	5792.0	6187.7	6550.6	6848.1
37.5°	3402.4	3820.7	4284.4	4763.9	5343.6	5911.7	6473.0	7002.9	7470.7	7867.9	8201.1
35°	3867.1	4398.6	4960.2	5660.3	6339.5	7019.9	7653.9	8233.0	8741.8	9190.0	9571.1
32.5°	4401.6	5039.5	5825.7	6612.2	7386.9	8136.1	8832.1	9463.8	10021.8	10525.0	10963.2
30°	4963.6	5834.0	6716.4	7579.3	8425.4	9246.0	10009.9	10705.6	11336.2	11896.2	12401.1
27.5°	5677.7	6642.3	7604.5	8534.6	9465.5	10363.6	11191.5	11964.5	12687.9	13321.0	13898.1
25°	6368.5	7434.1	8457.0	9471.1	10484.3	11448.7	12374.3	13247.3	14075.9	14802.6	15446.8
22.5°	7059.1	8174.5	9267.5	10357.9	11446.4	12521.4	13560.8	14561.0	15487.7	16315.0	17040.2
20°	7698.8	8864.8	10033.6	11209.1	12389.0	13565.7	14733.1	15858.6	16891.0	17846.2	18685.7
17.5°	8272.2	9512.3	10751.5	12008.9	13287.9	14565.4	15862.2	17124.0	18304.3	19391.1	20364.9
15°	8780.0	10074.0	11404.9	12761.8	14135.1	15522.6	16937.6	18349.4	19678.0	20912.4	21999.6
12.5°	9224.1	10569.4	11964.3	13405.9	14896.5	16408.1	17952.4	19499.8	20970.6	22395.8	23569.7
10°	9590.5	10990.6	12448.6	13963.4	15535.3	17162.2	18818.9	20484.7	22105.2	23617.0	24959.4
7.5°	9873.4	11326.0	12828.3	14403.9	16053.1	17768.6	19523.6	21291.4	23020.7	24649.8	26135.1
5°	10073.0	11570.1	13091.4	14730.3	16436.8	18214.5	20038.6	21880.7	23688.5	25401.4	26940.8
2.5°	10188.9	11716.7	13244.5	14928.6	16665.0	18484.3	20357.9	22230.3	24085.8	25862.4	27444.2
0°	10219.4	11760.7	13332.4	14949.7	16736.7	18610.6	20417.0	22295.3	24223.5	25975.6	27551.7
-2.5°	10188.9	11716.7	13244.5	14928.6	16665.0	18484.3	20357.9	22230.3	24085.8	25862.4	27444.2
-5°	10073.0	11570.1	13091.4	14730.3	16436.8	18214.5	20038.6	21880.7	23688.5	25401.4	26940.8
-7.5°	9873.4	11326.0	12828.3	14403.9	16053.1	17768.6	19523.6	21291.4	23020.7	24649.8	26135.1
-10°	9590.5	10990.6	12448.6	13963.4	15535.3	17162.2	18818.9	20484.7	22105.2	23617.0	24959.4
-12.5°	9224.1	10569.4	11964.3	13405.9	14896.5	16408.1	17952.4	19499.8	20970.6	22395.8	23569.7
-15°	8780.0	10074.0	11404.9	12761.8	14135.1	15522.6	16937.6	18349.4	19678.0	20912.4	21999.6
-17.5°	8272.2	9512.3	10751.5	12008.9	13287.9	14565.4	15862.2	17124.0	18304.3	19391.1	20364.9
-20°	7698.8	8864.8	10033.6	11209.1	12389.0	13565.7	14733.1	15858.6	16891.0	17846.2	18685.7



REPORT NUMBER: P627473 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	7059.1	8174.5	9267.5	10357.9	11446.4	12521.4	13560.8	14561.0	15487.7	16315.0	17040.2
-25°	6368.5	7434.1	8457.0	9471.1	10484.3	11448.7	12374.3	13247.3	14075.9	14802.6	15446.8
-27.5°	5677.7	6642.3	7604.5	8534.6	9465.5	10363.6	11191.5	11964.5	12687.9	13321.0	13898.1
-30°	4963.6	5834.0	6716.4	7579.3	8425.4	9246.0	10009.9	10705.6	11336.2	11896.2	12401.1
-32.5°	4401.6	5039.5	5825.7	6612.2	7386.9	8136.1	8832.1	9463.8	10021.8	10525.0	10963.2
-35°	3867.1	4398.6	4960.2	5660.3	6339.5	7019.9	7653.9	8233.0	8741.8	9190.0	9571.1
-37.5°	3402.4	3820.7	4284.4	4763.9	5343.6	5911.7	6473.0	7002.9	7470.7	7867.9	8201.1
-40°	2993.1	3318.0	3687.1	4055.2	4478.8	4876.8	5356.3	5792.0	6187.7	6550.6	6848.1
-42.5°	2624.7	2896.5	3172.1	3476.3	3771.4	4081.3	4410.4	4702.4	5021.6	5325.9	5571.9
-45°	2327.5	2531.5	2741.1	2982.6	3205.0	3449.1	3675.0	3877.9	4118.6	4330.6	4501.3
-47.5°	2059.6	2219.6	2393.1	2565.0	2740.1	2930.1	3099.6	3257.2	3426.9	3574.3	3692.5
-50°	1818.6	1948.6	2088.6	2218.3	2359.4	2498.4	2626.5	2750.6	2872.0	2977.0	3062.0
-52.5°	1606.9	1717.6	1823.7	1928.2	2040.1	2141.1	2231.5	2334.5	2425.8	2501.3	2560.1
-55°	1429.6	1514.8	1594.9	1683.9	1770.3	1849.0	1921.5	1995.7	2062.7	2121.6	2168.3
-57.5°	1265.3	1334.8	1402.2	1472.4	1538.4	1600.0	1660.1	1715.6	1763.6	1804.0	1837.0
-60°	1113.8	1171.0	1230.2	1285.5	1336.6	1383.7	1432.3	1475.5	1513.2	1544.8	1568.3
-62.5°	971.6	1023.8	1067.6	1110.8	1155.4	1198.8	1225.9	1253.2	1279.7	1304.8	1326.3
-65°	823.9	866.9	905.2	937.7	964.8	996.2	1023.9	1045.1	1060.1	1071.4	1081.1
-67.5°	698.6	727.2	755.2	779.2	804.4	827.9	848.6	865.8	879.6	888.6	893.7
-70°	586.9	611.1	634.7	656.8	677.9	694.6	707.7	719.0	728.4	730.2	729.4
-72.5°	486.3	509.8	532.1	553.3	572.0	584.4	592.5	599.1	604.4	588.0	564.3
-75°	394.9	417.0	437.6	456.7	474.4	483.8	489.3	493.8	497.3	468.6	430.7
-77.5°	314.8	333.3	348.0	362.6	376.9	382.2	384.8	386.8	388.1	359.4	324.1
-80°	226.3	240.5	252.2	263.4	274.2	276.8	276.8	275.3	272.3	249.2	222.9
-82.5°	143.8	150.5	156.4	162.3	168.1	172.1	175.1	177.3	178.7	161.8	142.8
-85°	70.7	72.3	73.2	73.6	73.6	76.0	78.2	80.2	81.9	74.3	65.8
-87.5°	16.1	15.6	15.1	14.5	13.8	13.5	13.3	12.9	12.6	11.6	10.7
-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: P627473 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	9.7	8.7	7.6	6.5	7.6	8.7	9.7	10.7	11.6	12.6	12.9
85°	56.9	47.6	46.7	45.7	46.7	47.6	56.9	65.8	74.3	81.9	80.2
82.5°	122.8	101.9	98.8	95.7	98.8	101.9	122.8	142.8	161.8	178.7	177.3
80°	195.6	167.3	161.8	156.5	161.8	167.3	195.6	222.9	249.2	272.3	275.3
77.5°	286.9	248.2	236.8	226.1	236.8	248.2	286.9	324.1	359.4	388.1	386.8
75°	391.3	350.6	336.8	323.9	336.8	350.6	391.3	430.7	468.6	497.3	493.8
72.5°	540.4	515.6	490.5	463.0	490.5	515.6	540.4	564.3	588.0	604.4	599.1
70°	728.7	726.9	720.6	710.9	720.6	726.9	728.7	729.4	730.2	728.4	719.0
67.5°	895.9	895.2	897.4	897.8	897.4	895.2	895.9	893.7	888.6	879.6	865.8
65°	1087.0	1089.1	1093.6	1095.6	1093.6	1089.1	1087.0	1081.1	1071.4	1060.1	1045.1
62.5°	1342.7	1353.8	1359.3	1358.7	1359.3	1353.8	1342.7	1326.3	1304.8	1279.7	1253.2
60°	1585.9	1597.4	1604.7	1606.5	1604.7	1597.4	1585.9	1568.3	1544.8	1513.2	1475.5
57.5°	1863.1	1882.0	1892.0	1893.4	1892.0	1882.0	1863.1	1837.0	1804.0	1763.6	1715.6
55°	2204.2	2229.2	2240.4	2239.1	2240.4	2229.2	2204.2	2168.3	2121.6	2062.7	1995.7
52.5°	2604.5	2635.0	2657.8	2671.7	2657.8	2635.0	2604.5	2560.1	2501.3	2425.8	2334.5
50°	3125.8	3169.5	3197.3	3208.6	3197.3	3169.5	3125.8	3062.0	2977.0	2872.0	2750.6
47.5°	3777.9	3835.8	3878.7	3908.6	3878.7	3835.8	3777.9	3692.5	3574.3	3426.9	3257.2
45°	4627.4	4715.7	4775.7	4810.8	4775.7	4715.7	4627.4	4501.3	4330.6	4118.6	3877.9
42.5°	5763.9	5901.0	5985.0	6017.3	5985.0	5901.0	5763.9	5571.9	5325.9	5021.6	4702.4
40°	7082.9	7247.6	7355.7	7430.3	7355.7	7247.6	7082.9	6848.1	6550.6	6187.7	5792.0
37.5°	8456.8	8629.7	8734.9	8806.4	8734.9	8629.7	8456.8	8201.1	7867.9	7470.7	7002.9
35°	9858.4	10039.4	10138.1	10193.3	10138.1	10039.4	9858.4	9571.1	9190.0	8741.8	8233.0
32.5°	11297.2	11496.7	11604.0	11715.0	11604.0	11496.7	11297.2	10963.2	10525.0	10021.8	9463.8
30°	12800.0	13029.0	13141.3	13195.4	13141.3	13029.0	12800.0	12401.1	11896.2	11336.2	10705.6
27.5°	14363.8	14649.2	14789.8	14882.4	14789.8	14649.2	14363.8	13898.1	13321.0	12687.9	11964.5
25°	15991.0	16344.6	16505.6	16649.7	16505.6	16344.6	15991.0	15446.8	14802.6	14075.9	13247.3
22.5°	17679.2	18119.5	18306.1	18408.4	18306.1	18119.5	17679.2	17040.2	16315.0	15487.7	14561.0
20°	19411.5	19937.7	20196.8	20330.1	20196.8	19937.7	19411.5	18685.7	17846.2	16891.0	15858.6
17.5°	21182.9	21837.4	22172.6	22249.6	22172.6	21837.4	21182.9	20364.9	19391.1	18304.3	17124.0
15°	22921.9	23629.8	24026.2	24171.3	24026.2	23629.8	22921.9	21999.6	20912.4	19678.0	18349.4
12.5°	24568.7	25302.5	25776.1	25860.4	25776.1	25302.5	24568.7	23569.7	22395.8	20970.6	19499.8
10°	26062.3	26822.5	27345.5	27464.8	27345.5	26822.5	26062.3	24959.4	23617.0	22105.2	20484.7
7.5°	27311.0	28145.0	28722.9	28823.4	28722.9	28145.0	27311.0	26135.1	24649.8	23020.7	21291.4
5°	28224.6	29214.8	29689.1	29808.2	29689.1	29214.8	28224.6	26940.8	25401.4	23688.5	21880.7
2.5°	28725.7	29733.8	30393.0	30316.9	30393.0	29733.8	28725.7	27444.2	25862.4	24085.8	22230.3
0°	28782.1	29836.5	30466.9	30758.2	30466.9	29836.5	28782.1	27551.7	25975.6	24223.5	22295.3
-2.5°	28725.7	29733.8	30393.0	30316.9	30393.0	29733.8	28725.7	27444.2	25862.4	24085.8	22230.3
-5°	28224.6	29214.8	29689.1	29808.2	29689.1	29214.8	28224.6	26940.8	25401.4	23688.5	21880.7
-7.5°	27311.0	28145.0	28722.9	28823.4	28722.9	28145.0	27311.0	26135.1	24649.8	23020.7	21291.4
-10°	26062.3	26822.5	27345.5	27464.8	27345.5	26822.5	26062.3	24959.4	23617.0	22105.2	20484.7
-12.5°	24568.7	25302.5	25776.1	25860.4	25776.1	25302.5	24568.7	23569.7	22395.8	20970.6	19499.8
-15°	22921.9	23629.8	24026.2	24171.3	24026.2	23629.8	22921.9	21999.6	20912.4	19678.0	18349.4
-17.5°	21182.9	21837.4	22172.6	22249.6	22172.6	21837.4	21182.9	20364.9	19391.1	18304.3	17124.0
-20°	19411.5	19937.7	20196.8	20330.1	20196.8	19937.7	19411.5	18685.7	17846.2	16891.0	15858.6



REPORT NUMBER: P627473 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	17679.2	18119.5	18306.1	18408.4	18306.1	18119.5	17679.2	17040.2	16315.0	15487.7	14561.0
-25°	15991.0	16344.6	16505.6	16649.7	16505.6	16344.6	15991.0	15446.8	14802.6	14075.9	13247.3
-27.5°	14363.8	14649.2	14789.8	14882.4	14789.8	14649.2	14363.8	13898.1	13321.0	12687.9	11964.5
-30°	12800.0	13029.0	13141.3	13195.4	13141.3	13029.0	12800.0	12401.1	11896.2	11336.2	10705.6
-32.5°	11297.2	11496.7	11604.0	11715.0	11604.0	11496.7	11297.2	10963.2	10525.0	10021.8	9463.8
-35°	9858.4	10039.4	10138.1	10193.3	10138.1	10039.4	9858.4	9571.1	9190.0	8741.8	8233.0
-37.5°	8456.8	8629.7	8734.9	8806.4	8734.9	8629.7	8456.8	8201.1	7867.9	7470.7	7002.9
-40°	7082.9	7247.6	7355.7	7430.3	7355.7	7247.6	7082.9	6848.1	6550.6	6187.7	5792.0
-42.5°	5763.9	5901.0	5985.0	6017.3	5985.0	5901.0	5763.9	5571.9	5325.9	5021.6	4702.4
-45°	4627.4	4715.7	4775.7	4810.8	4775.7	4715.7	4627.4	4501.3	4330.6	4118.6	3877.9
-47.5°	3777.9	3835.8	3878.7	3908.6	3878.7	3835.8	3777.9	3692.5	3574.3	3426.9	3257.2
-50°	3125.8	3169.5	3197.3	3208.6	3197.3	3169.5	3125.8	3062.0	2977.0	2872.0	2750.6
-52.5°	2604.5	2635.0	2657.8	2671.7	2657.8	2635.0	2604.5	2560.1	2501.3	2425.8	2334.5
-55°	2204.2	2229.2	2240.4	2239.1	2240.4	2229.2	2204.2	2168.3	2121.6	2062.7	1995.7
-57.5°	1863.1	1882.0	1892.0	1893.4	1892.0	1882.0	1863.1	1837.0	1804.0	1763.6	1715.6
-60°	1585.9	1597.4	1604.7	1606.5	1604.7	1597.4	1585.9	1568.3	1544.8	1513.2	1475.5
-62.5°	1342.7	1353.8	1359.3	1358.7	1359.3	1353.8	1342.7	1326.3	1304.8	1279.7	1253.2
-65°	1087.0	1089.1	1093.6	1095.6	1093.6	1089.1	1087.0	1081.1	1071.4	1060.1	1045.1
-67.5°	895.9	895.2	897.4	897.8	897.4	895.2	895.9	893.7	888.6	879.6	865.8
-70°	728.7	726.9	720.6	710.9	720.6	726.9	728.7	729.4	730.2	728.4	719.0
-72.5°	540.4	515.6	490.5	463.0	490.5	515.6	540.4	564.3	588.0	604.4	599.1
-75°	391.3	350.6	336.8	323.9	336.8	350.6	391.3	430.7	468.6	497.3	493.8
-77.5°	286.9	248.2	236.8	226.1	236.8	248.2	286.9	324.1	359.4	388.1	386.8
-80°	195.6	167.3	161.8	156.5	161.8	167.3	195.6	222.9	249.2	272.3	275.3
-82.5°	122.8	101.9	98.8	95.7	98.8	101.9	122.8	142.8	161.8	178.7	177.3
-85°	56.9	47.6	46.7	45.7	46.7	47.6	56.9	65.8	74.3	81.9	80.2
-87.5°	9.7	8.7	7.6	6.5	7.6	8.7	9.7	10.7	11.6	12.6	12.9
-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: P627473 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	13.3	13.5	13.8	14.5	15.1	15.6	16.1	15.5	15.0	14.4	13.9
85°	78.2	76.0	73.6	73.6	73.2	72.3	70.7	63.4	56.4	49.9	44.1
82.5°	175.1	172.1	168.1	162.3	156.4	150.5	143.8	128.5	113.8	99.8	88.1
80°	276.8	276.8	274.2	263.4	252.2	240.5	226.3	202.1	178.7	157.1	141.7
77.5°	384.8	382.2	376.9	362.6	348.0	333.3	314.8	283.5	252.2	222.2	202.7
75°	489.3	483.8	474.4	456.7	437.6	417.0	394.9	367.8	336.8	301.7	276.0
72.5°	592.5	584.4	572.0	553.3	532.1	509.8	486.3	459.9	429.5	395.0	369.0
70°	707.7	694.6	677.9	656.8	634.7	611.1	586.9	559.8	528.2	493.7	466.4
67.5°	848.6	827.9	804.4	779.2	755.2	727.2	698.6	667.7	635.7	599.5	565.1
65°	1023.9	996.2	964.8	937.7	905.2	866.9	823.9	786.3	749.3	708.5	663.4
62.5°	1225.9	1198.8	1155.4	1110.8	1067.6	1023.8	971.6	919.0	868.4	817.3	764.6
60°	1432.3	1383.7	1336.6	1285.5	1230.2	1171.0	1113.8	1053.7	991.0	929.5	866.5
57.5°	1660.1	1600.0	1538.4	1472.4	1402.2	1334.8	1265.3	1190.6	1119.4	1045.0	969.7
55°	1921.5	1849.0	1770.3	1683.9	1594.9	1514.8	1429.6	1344.2	1257.7	1164.0	1080.8
52.5°	2231.5	2141.1	2040.1	1928.2	1823.7	1717.6	1606.9	1509.9	1404.3	1300.1	1196.6
50°	2626.5	2498.4	2359.4	2218.3	2088.6	1948.6	1818.6	1691.0	1563.1	1442.5	1322.0
47.5°	3099.6	2930.1	2740.1	2565.0	2393.1	2219.6	2059.6	1890.8	1744.2	1592.4	1458.4
45°	3675.0	3449.1	3205.0	2982.6	2741.1	2531.5	2327.5	2133.4	1940.7	1769.2	1598.3
42.5°	4410.4	4081.3	3771.4	3476.3	3172.1	2896.5	2624.7	2394.7	2168.6	1956.3	1763.5
40°	5356.3	4876.8	4478.8	4055.2	3687.1	3318.0	2993.1	2674.4	2417.4	2165.9	1930.7
37.5°	6473.0	5911.7	5343.6	4763.9	4284.4	3820.7	3402.4	3027.2	2677.7	2391.7	2120.3
35°	7653.9	7019.9	6339.5	5660.3	4960.2	4398.6	3867.1	3404.8	2996.9	2628.2	2315.5
32.5°	8832.1	8136.1	7386.9	6612.2	5825.7	5039.5	4401.6	3828.9	3318.7	2898.8	2528.7
30°	10009.9	9246.0	8425.4	7579.3	6716.4	5834.0	4963.6	4294.6	3695.6	3169.0	2743.2
27.5°	11191.5	10363.6	9465.5	8534.6	7604.5	6642.3	5677.7	4775.1	4075.4	3480.2	2978.7
25°	12374.3	11448.7	10484.3	9471.1	8457.0	7434.1	6368.5	5362.2	4501.3	3791.6	3195.7
22.5°	13560.8	12521.4	11446.4	10357.9	9267.5	8174.5	7059.1	5937.3	4904.9	4108.4	3449.6
20°	14733.1	13565.7	12389.0	11209.1	10033.6	8864.8	7698.8	6501.2	5379.3	4436.4	3686.7
17.5°	15862.2	14565.4	13287.9	12008.9	10751.5	9512.3	8272.2	7021.6	5802.9	4728.3	3896.0
15°	16937.6	15522.6	14135.1	12761.8	11404.9	10074.0	8780.0	7478.5	6188.2	5032.8	4125.6
12.5°	17952.4	16408.1	14896.5	13405.9	11964.3	10569.4	9224.1	7879.6	6551.0	5329.4	4330.1
10°	18818.9	17162.2	15535.3	13963.4	12448.6	10990.6	9590.5	8219.0	6862.1	5576.2	4497.4
7.5°	19523.6	17768.6	16053.1	14403.9	12828.3	11326.0	9873.4	8479.4	7108.4	5769.1	4626.6
5°	20038.6	18214.5	16436.8	14730.3	13091.4	11570.1	10073.0	8657.4	7286.9	5906.3	4716.9
2.5°	20357.9	18484.3	16665.0	14928.6	13244.5	11716.7	10188.9	8765.1	7388.7	5981.8	4773.5
0°	20417.0	18610.6	16736.7	14949.7	13332.4	11760.7	10219.4	8804.2	7415.1	5997.7	4791.2
-2.5°	20357.9	18484.3	16665.0	14928.6	13244.5	11716.7	10188.9	8765.1	7388.7	5981.8	4773.5
-5°	20038.6	18214.5	16436.8	14730.3	13091.4	11570.1	10073.0	8657.4	7286.9	5906.3	4716.9
-7.5°	19523.6	17768.6	16053.1	14403.9	12828.3	11326.0	9873.4	8479.4	7108.4	5769.1	4626.6
-10°	18818.9	17162.2	15535.3	13963.4	12448.6	10990.6	9590.5	8219.0	6862.1	5576.2	4497.4
-12.5°	17952.4	16408.1	14896.5	13405.9	11964.3	10569.4	9224.1	7879.6	6551.0	5329.4	4330.1
-15°	16937.6	15522.6	14135.1	12761.8	11404.9	10074.0	8780.0	7478.5	6188.2	5032.8	4125.6
-17.5°	15862.2	14565.4	13287.9	12008.9	10751.5	9512.3	8272.2	7021.6	5802.9	4728.3	3896.0
-20°	14733.1	13565.7	12389.0	11209.1	10033.6	8864.8	7698.8	6501.2	5379.3	4436.4	3686.7



REPORT NUMBER: P627473 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-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°	13560.8	12521.4	11446.4	10357.9	9267.5	8174.5	7059.1	5937.3	4904.9	4108.4	3449.6
-25°	12374.3	11448.7	10484.3	9471.1	8457.0	7434.1	6368.5	5362.2	4501.3	3791.6	3195.7
-27.5°	11191.5	10363.6	9465.5	8534.6	7604.5	6642.3	5677.7	4775.1	4075.4	3480.2	2978.7
-30°	10009.9	9246.0	8425.4	7579.3	6716.4	5834.0	4963.6	4294.6	3695.6	3169.0	2743.2
-32.5°	8832.1	8136.1	7386.9	6612.2	5825.7	5039.5	4401.6	3828.9	3318.7	2898.8	2528.7
-35°	7653.9	7019.9	6339.5	5660.3	4960.2	4398.6	3867.1	3404.8	2996.9	2628.2	2315.5
-37.5°	6473.0	5911.7	5343.6	4763.9	4284.4	3820.7	3402.4	3027.2	2677.7	2391.7	2120.3
-40°	5356.3	4876.8	4478.8	4055.2	3687.1	3318.0	2993.1	2674.4	2417.4	2165.9	1930.7
-42.5°	4410.4	4081.3	3771.4	3476.3	3172.1	2896.5	2624.7	2394.7	2168.6	1956.3	1763.5
-45°	3675.0	3449.1	3205.0	2982.6	2741.1	2531.5	2327.5	2133.4	1940.7	1769.2	1598.3
-47.5°	3099.6	2930.1	2740.1	2565.0	2393.1	2219.6	2059.6	1890.8	1744.2	1592.4	1458.4
-50°	2626.5	2498.4	2359.4	2218.3	2088.6	1948.6	1818.6	1691.0	1563.1	1442.5	1322.0
-52.5°	2231.5	2141.1	2040.1	1928.2	1823.7	1717.6	1606.9	1509.9	1404.3	1300.1	1196.6
-55°	1921.5	1849.0	1770.3	1683.9	1594.9	1514.8	1429.6	1344.2	1257.7	1164.0	1080.8
-57.5°	1660.1	1600.0	1538.4	1472.4	1402.2	1334.8	1265.3	1190.6	1119.4	1045.0	969.7
-60°	1432.3	1383.7	1336.6	1285.5	1230.2	1171.0	1113.8	1053.7	991.0	929.5	866.5
-62.5°	1225.9	1198.8	1155.4	1110.8	1067.6	1023.8	971.6	919.0	868.4	817.3	764.6
-65°	1023.9	996.2	964.8	937.7	905.2	866.9	823.9	786.3	749.3	708.5	663.4
-67.5°	848.6	827.9	804.4	779.2	755.2	727.2	698.6	667.7	635.7	599.5	565.1
-70°	707.7	694.6	677.9	656.8	634.7	611.1	586.9	559.8	528.2	493.7	466.4
-72.5°	592.5	584.4	572.0	553.3	532.1	509.8	486.3	459.9	429.5	395.0	369.0
-75°	489.3	483.8	474.4	456.7	437.6	417.0	394.9	367.8	336.8	301.7	276.0
-77.5°	384.8	382.2	376.9	362.6	348.0	333.3	314.8	283.5	252.2	222.2	202.7
-80°	276.8	276.8	274.2	263.4	252.2	240.5	226.3	202.1	178.7	157.1	141.7
-82.5°	175.1	172.1	168.1	162.3	156.4	150.5	143.8	128.5	113.8	99.8	88.1
-85°	78.2	76.0	73.6	73.6	73.2	72.3	70.7	63.4	56.4	49.9	44.1
-87.5°	13.3	13.5	13.8	14.5	15.1	15.6	16.1	15.5	15.0	14.4	13.9
-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: P627473 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	15.5	16.8	17.9	18.7	19.3	19.6	19.6	19.3	18.5	17.5	16.2
85°	46.1	47.1	46.9	45.5	42.5	39.2	39.2	38.7	37.1	35.0	32.4
82.5°	91.6	94.4	96.0	95.4	89.5	83.2	76.6	69.6	62.0	53.5	48.5
80°	147.1	150.4	151.4	148.9	138.4	127.1	117.3	107.3	97.4	86.2	73.6
77.5°	207.0	209.5	210.0	206.2	192.8	178.4	162.8	146.5	132.7	118.7	103.2
75°	271.4	272.2	271.6	264.6	248.3	229.6	210.8	190.5	170.3	151.3	132.7
72.5°	355.1	343.7	335.1	323.8	305.8	284.8	260.8	233.8	208.2	184.1	161.6
70°	442.6	418.5	399.7	382.4	362.5	340.3	313.7	279.8	245.4	216.2	188.9
67.5°	533.9	504.0	473.9	442.5	417.9	392.9	365.9	325.2	284.0	247.7	215.7
65°	622.9	585.9	551.8	511.0	475.3	444.7	414.3	368.2	321.2	278.8	241.8
62.5°	712.5	662.9	620.2	576.0	532.8	495.0	460.7	408.2	356.8	308.7	266.6
60°	804.5	746.5	688.4	637.3	588.5	542.6	499.9	447.0	391.2	337.1	290.1
57.5°	899.9	830.2	763.8	700.1	643.3	590.5	537.5	482.7	424.5	365.9	311.3
55°	996.2	917.4	839.4	766.5	699.2	639.0	576.6	516.9	456.4	394.1	328.1
52.5°	1099.5	1007.2	919.2	834.0	757.0	686.3	618.5	550.3	486.8	421.0	346.5
50°	1208.9	1102.3	1001.7	906.5	814.4	735.7	659.2	587.0	516.5	447.1	363.7
47.5°	1323.9	1203.2	1088.7	979.6	879.5	783.4	701.8	623.0	545.4	472.9	379.4
45°	1450.6	1307.0	1178.1	1058.3	942.0	837.7	743.9	657.8	576.6	491.4	393.5
42.5°	1577.8	1418.9	1270.8	1134.4	1010.1	892.4	784.2	693.8	606.6	508.3	407.3
40°	1724.6	1533.4	1364.0	1216.3	1077.4	944.7	830.6	728.7	634.6	525.0	420.7
37.5°	1867.7	1656.5	1465.8	1294.3	1143.6	1003.8	875.5	761.7	656.7	543.3	432.9
35°	2036.2	1783.7	1562.7	1377.0	1211.9	1060.0	917.7	795.6	680.9	560.9	443.7
32.5°	2200.0	1913.2	1671.8	1461.5	1276.3	1113.1	962.5	830.2	705.6	577.6	453.2
30°	2379.9	2054.0	1774.6	1540.7	1340.3	1167.9	1007.6	862.8	730.5	593.4	462.4
27.5°	2552.7	2183.8	1874.7	1624.6	1407.9	1219.0	1049.3	893.3	755.5	609.9	473.9
25°	2724.1	2324.1	1985.0	1704.6	1470.1	1265.6	1087.7	921.9	779.9	628.3	484.2
22.5°	2910.0	2459.8	2084.3	1776.5	1526.2	1308.1	1124.2	953.1	802.4	645.9	493.2
20°	3080.9	2582.3	2173.1	1845.3	1582.0	1354.0	1158.5	981.0	822.6	662.5	500.8
17.5°	3242.1	2706.8	2272.1	1919.6	1634.8	1394.5	1188.7	1005.6	840.4	677.7	507.0
15°	3411.3	2830.6	2361.2	1984.0	1680.5	1429.4	1214.6	1026.7	855.7	691.4	512.8
12.5°	3555.8	2935.2	2436.1	2038.1	1718.9	1458.6	1236.1	1044.3	868.5	703.0	518.1
10°	3674.8	3020.2	2496.5	2081.9	1749.8	1482.0	1253.3	1058.5	879.2	712.1	521.0
7.5°	3767.5	3085.1	2542.2	2115.0	1773.5	1500.3	1267.7	1069.6	887.5	718.4	521.6
5°	3832.3	3130.4	2575.7	2138.2	1791.5	1513.5	1277.9	1076.9	893.1	721.9	520.1
2.5°	3866.4	3156.0	2596.3	2150.6	1801.8	1520.6	1283.6	1080.5	895.8	722.3	516.5
0°	3871.7	3160.8	2602.1	2152.1	1804.3	1521.7	1284.8	1080.4	895.6	719.6	510.9
-2.5°	3866.4	3156.0	2596.3	2150.6	1801.8	1520.6	1283.6	1080.5	895.8	722.3	516.5
-5°	3832.3	3130.4	2575.7	2138.2	1791.5	1513.5	1277.9	1076.9	893.1	721.9	520.1
-7.5°	3767.5	3085.1	2542.2	2115.0	1773.5	1500.3	1267.7	1069.6	887.5	718.4	521.6
-10°	3674.8	3020.2	2496.5	2081.9	1749.8	1482.0	1253.3	1058.5	879.2	712.1	521.0
-12.5°	3555.8	2935.2	2436.1	2038.1	1718.9	1458.6	1236.1	1044.3	868.5	703.0	518.1
-15°	3411.3	2830.6	2361.2	1984.0	1680.5	1429.4	1214.6	1026.7	855.7	691.4	512.8
-17.5°	3242.1	2706.8	2272.1	1919.6	1634.8	1394.5	1188.7	1005.6	840.4	677.7	507.0
-20°	3080.9	2582.3	2173.1	1845.3	1582.0	1354.0	1158.5	981.0	822.6	662.5	500.8

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

Scaled Data Report



REPORT NUMBER: P627473 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	2910.0	2459.8	2084.3	1776.5	1526.2	1308.1	1124.2	953.1	802.4	645.9	493.2
-25°	2724.1	2324.1	1985.0	1704.6	1470.1	1265.6	1087.7	921.9	779.9	628.3	484.2
-27.5°	2552.7	2183.8	1874.7	1624.6	1407.9	1219.0	1049.3	893.3	755.5	609.9	473.9
-30°	2379.9	2054.0	1774.6	1540.7	1340.3	1167.9	1007.6	862.8	730.5	593.4	462.4
-32.5°	2200.0	1913.2	1671.8	1461.5	1276.3	1113.1	962.5	830.2	705.6	577.6	453.2
-35°	2036.2	1783.7	1562.7	1377.0	1211.9	1060.0	917.7	795.6	680.9	560.9	443.7
-37.5°	1867.7	1656.5	1465.8	1294.3	1143.6	1003.8	875.5	761.7	656.7	543.3	432.9
-40°	1724.6	1533.4	1364.0	1216.3	1077.4	944.7	830.6	728.7	634.6	525.0	420.7
-42.5°	1577.8	1418.9	1270.8	1134.4	1010.1	892.4	784.2	693.8	606.6	508.3	407.3
-45°	1450.6	1307.0	1178.1	1058.3	942.0	837.7	743.9	657.8	576.6	491.4	393.5
-47.5°	1323.9	1203.2	1088.7	979.6	879.5	783.4	701.8	623.0	545.4	472.9	379.4
-50°	1208.9	1102.3	1001.7	906.5	814.4	735.7	659.2	587.0	516.5	447.1	363.7
-52.5°	1099.5	1007.2	919.2	834.0	757.0	686.3	618.5	550.3	486.8	421.0	346.5
-55°	996.2	917.4	839.4	766.5	699.2	639.0	576.6	516.9	456.4	394.1	328.1
-57.5°	899.9	830.2	763.8	700.1	643.3	590.5	537.5	482.7	424.5	365.9	311.3
-60°	804.5	746.5	688.4	637.3	588.5	542.6	499.9	447.0	391.2	337.1	290.1
-62.5°	712.5	662.9	620.2	576.0	532.8	495.0	460.7	408.2	356.8	308.7	266.6
-65°	622.9	585.9	551.8	511.0	475.3	444.7	414.3	368.2	321.2	278.8	241.8
-67.5°	533.9	504.0	473.9	442.5	417.9	392.9	365.9	325.2	284.0	247.7	215.7
-70°	442.6	418.5	399.7	382.4	362.5	340.3	313.7	279.8	245.4	216.2	188.9
-72.5°	355.1	343.7	335.1	323.8	305.8	284.8	260.8	233.8	208.2	184.1	161.6
-75°	271.4	272.2	271.6	264.6	248.3	229.6	210.8	190.5	170.3	151.3	132.7
-77.5°	207.0	209.5	210.0	206.2	192.8	178.4	162.8	146.5	132.7	118.7	103.2
-80°	147.1	150.4	151.4	148.9	138.4	127.1	117.3	107.3	97.4	86.2	73.6
-82.5°	91.6	94.4	96.0	95.4	89.5	83.2	76.6	69.6	62.0	53.5	48.5
-85°	46.1	47.1	46.9	45.5	42.5	39.2	39.2	38.7	37.1	35.0	32.4
-87.5°	15.5	16.8	17.9	18.7	19.3	19.6	19.6	19.3	18.5	17.5	16.2
-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: P627473 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-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°	14.6	11.4	8.5	5.9	3.6	1.6	0.0
85°	29.2	22.8	16.9	11.7	7.2	3.1	0.0
82.5°	43.6	34.0	25.3	17.6	10.7	4.7	0.0
80°	59.2	45.2	33.6	23.3	14.3	6.2	0.0
77.5°	84.6	58.8	41.8	29.0	17.7	7.7	0.0
75°	109.2	76.8	50.7	34.6	21.2	9.2	0.0
72.5°	133.0	94.3	62.8	40.1	24.5	10.7	0.0
70°	155.6	111.2	74.4	45.8	27.8	12.1	0.0
67.5°	175.3	127.2	85.6	53.0	30.9	13.6	0.0
65°	193.9	142.0	96.2	59.8	34.0	14.9	0.0
62.5°	211.5	155.5	106.2	66.2	37.0	16.3	0.0
60°	228.0	168.2	115.6	72.3	39.8	17.6	0.0
57.5°	243.0	180.0	124.3	78.0	43.3	18.8	0.0
55°	256.7	190.8	132.4	83.3	46.6	20.0	0.0
52.5°	269.3	200.8	139.8	88.0	49.8	21.1	0.0
50°	280.8	210.0	146.6	92.4	52.9	22.2	0.0
47.5°	291.4	218.2	152.6	96.3	55.8	23.2	0.0
45°	303.3	225.5	157.9	100.3	58.5	24.2	0.0
42.5°	313.9	231.9	162.5	103.7	61.1	25.1	0.0
40°	323.3	237.2	166.6	107.5	63.6	26.0	0.0
37.5°	331.2	241.6	170.3	111.4	65.9	26.7	0.0
35°	337.8	246.6	173.3	115.0	68.0	27.5	0.0
32.5°	343.9	251.3	175.6	118.2	69.9	28.1	0.0
30°	350.7	254.9	177.2	121.1	71.7	28.7	0.0
27.5°	356.2	257.5	181.0	123.7	73.2	29.2	0.0
25°	360.5	259.0	184.7	126.0	74.6	29.6	0.0
22.5°	363.6	261.1	187.9	127.9	75.9	30.0	0.0
20°	365.4	265.8	190.6	129.5	76.9	30.3	0.0
17.5°	369.4	269.7	192.9	130.7	77.7	30.6	0.0
15°	374.4	272.7	194.8	131.7	78.4	30.7	0.0
12.5°	377.9	275.0	196.1	132.3	78.8	30.8	0.0
10°	380.2	276.4	197.0	132.5	79.1	30.9	0.0
7.5°	381.1	276.9	197.4	132.5	79.2	30.8	0.0
5°	380.7	276.7	197.3	132.1	79.1	30.8	0.0
2.5°	379.0	275.7	196.7	131.4	78.8	30.6	0.0
0°	376.1	273.9	195.6	130.4	78.3	30.4	0.0
-2.5°	379.0	275.7	196.7	131.4	78.8	30.6	0.0
-5°	380.7	276.7	197.3	132.1	79.1	30.8	0.0
-7.5°	381.1	276.9	197.4	132.5	79.2	30.8	0.0
-10°	380.2	276.4	197.0	132.5	79.1	30.9	0.0
-12.5°	377.9	275.0	196.1	132.3	78.8	30.8	0.0
-15°	374.4	272.7	194.8	131.7	78.4	30.7	0.0
-17.5°	369.4	269.7	192.9	130.7	77.7	30.6	0.0
-20°	365.4	265.8	190.6	129.5	76.9	30.3	0.0

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REPORT NUMBER: P627473 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-U-WR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	363.6	261.1	187.9	127.9	75.9	30.0	0.0
-25°	360.5	259.0	184.7	126.0	74.6	29.6	0.0
-27.5°	356.2	257.5	181.0	123.7	73.2	29.2	0.0
-30°	350.7	254.9	177.2	121.1	71.7	28.7	0.0
-32.5°	343.9	251.3	175.6	118.2	69.9	28.1	0.0
-35°	337.8	246.6	173.3	115.0	68.0	27.5	0.0
-37.5°	331.2	241.6	170.3	111.4	65.9	26.7	0.0
-40°	323.3	237.2	166.6	107.5	63.6	26.0	0.0
-42.5°	313.9	231.9	162.5	103.7	61.1	25.1	0.0
-45°	303.3	225.5	157.9	100.3	58.5	24.2	0.0
-47.5°	291.4	218.2	152.6	96.3	55.8	23.2	0.0
-50°	280.8	210.0	146.6	92.4	52.9	22.2	0.0
-52.5°	269.3	200.8	139.8	88.0	49.8	21.1	0.0
-55°	256.7	190.8	132.4	83.3	46.6	20.0	0.0
-57.5°	243.0	180.0	124.3	78.0	43.3	18.8	0.0
-60°	228.0	168.2	115.6	72.3	39.8	17.6	0.0
-62.5°	211.5	155.5	106.2	66.2	37.0	16.3	0.0
-65°	193.9	142.0	96.2	59.8	34.0	14.9	0.0
-67.5°	175.3	127.2	85.6	53.0	30.9	13.6	0.0
-70°	155.6	111.2	74.4	45.8	27.8	12.1	0.0
-72.5°	133.0	94.3	62.8	40.1	24.5	10.7	0.0
-75°	109.2	76.8	50.7	34.6	21.2	9.2	0.0
-77.5°	84.6	58.8	41.8	29.0	17.7	7.7	0.0
-80°	59.2	45.2	33.6	23.3	14.3	6.2	0.0
-82.5°	43.6	34.0	25.3	17.6	10.7	4.7	0.0
-85°	29.2	22.8	16.9	11.7	7.2	3.1	0.0
-87.5°	14.6	11.4	8.5	5.9	3.6	1.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)