

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: P627523 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA4E-735-U-WR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627523 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-766-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4E-735-U-WR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, WIDE SYMMETRICAL ROUND N99
Light Source: (64) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

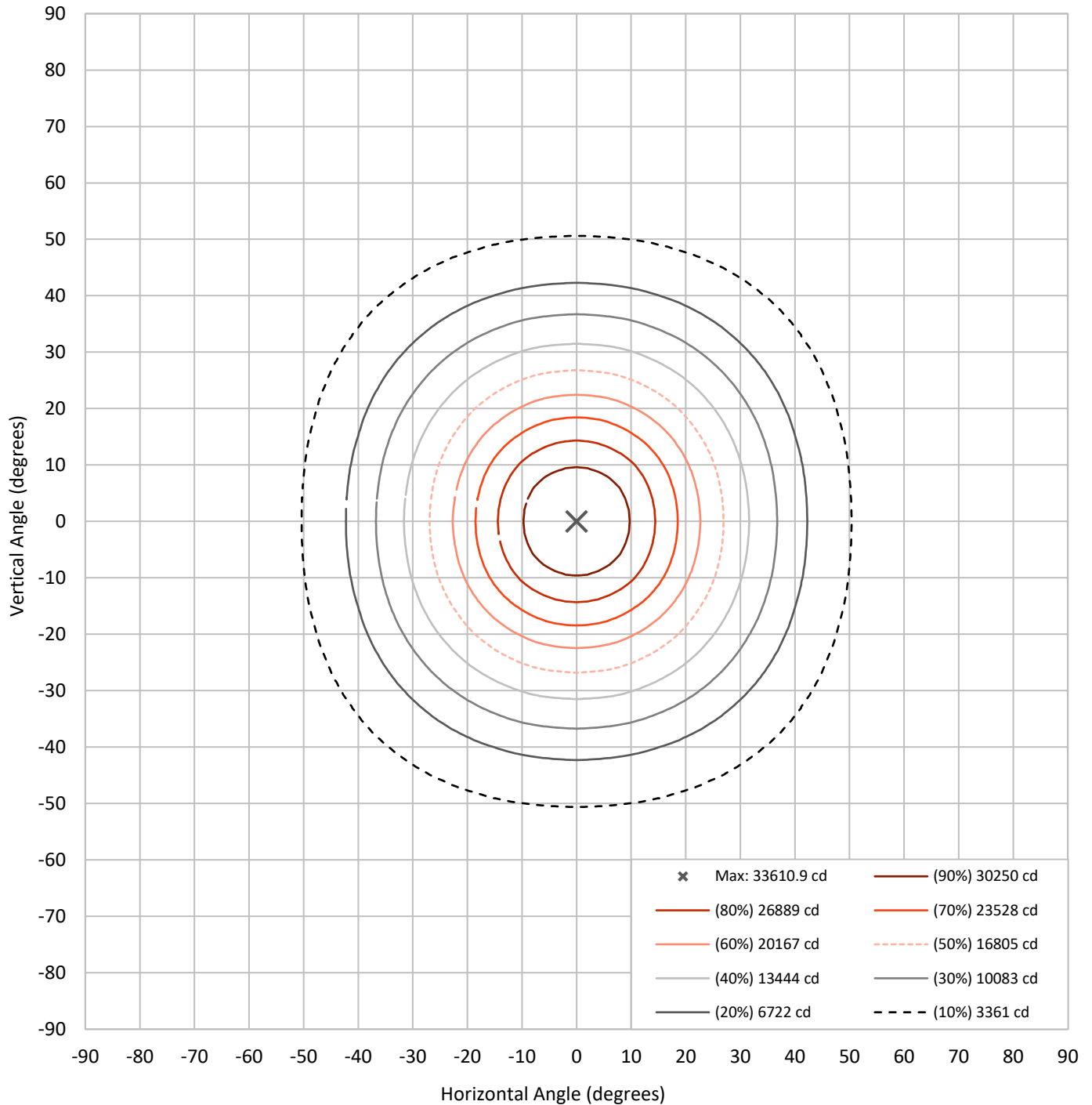
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	34208.1 lumens	Max Intensity:	33610.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	133.7 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:	16356.2 lumens	Field Lumens:	30189.8 lumens
Beam Efficiency:	47.8%	Field Efficiency:	88.3%
Input Watts (W):	255.9		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



REPORT NUMBER: P627523 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4E-735-U-WR-XX

Iso-Candela Plot





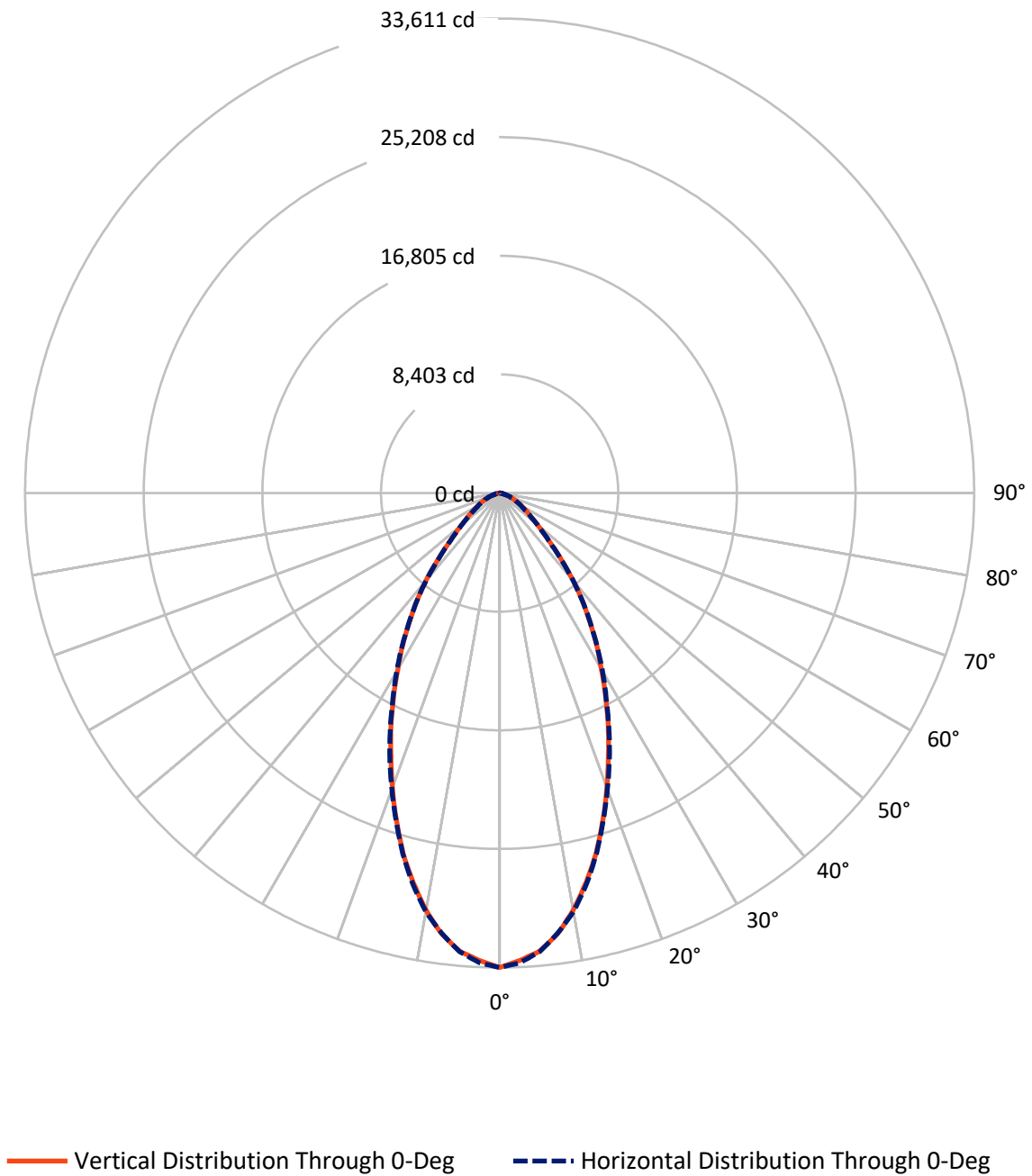
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Lumen Table

90																			
80	1.3	9.4		21.5		35.8		30.7		35.8		21.5		9.4		1.3			
70																			
60	4.4	5.2	9.8	15.7	22.8	29.6	34.8	37.2	37.2	34.8	29.6	22.8	15.7	9.8	5.2	4.4			
50		7.4	14.8	25.7	39.4	54.2	67.6	75.3	75.3	67.6	54.2	39.4	25.7	14.8	7.4				
40	6.5	9.4	20.5	38.3	64.6	99.3	136.9	162.0	162.0	136.9	99.3	64.6	38.3	20.5	9.4	6.5			
30		11.5	26.9	55.7	108.4	192.5	279.7	331.8	331.8	279.7	192.5	108.4	55.7	26.9	11.5				
20	7.7	13.4	33.5	78.0	175.3	315.1	450.8	538.9	538.9	450.8	315.1	175.3	78.0	33.5	13.4	7.7			
10		14.9	39.2	101.1	239.2	425.4	628.1	772.7	772.7	628.1	425.4	239.2	101.1	39.2	14.9				
0	8.1	15.6	42.5	116.1	275.4	494.6	752.7	946.5	946.5	752.7	494.6	275.4	116.1	42.5	15.6	8.1			
-10		15.6	42.5	116.1	275.4	494.6	752.7	946.5	946.5	752.7	494.6	275.4	116.1	42.5	15.6				
-20	7.7	14.9	39.2	101.1	239.2	425.4	628.1	772.7	772.7	628.1	425.4	239.2	101.1	39.2	14.9	7.7			
-30		13.4	33.5	78.0	175.3	315.1	450.8	538.9	538.9	450.8	315.1	175.3	78.0	33.5	13.4				
-40	6.5	11.5	26.9	55.7	108.4	192.5	279.7	331.8	331.8	279.7	192.5	108.4	55.7	26.9	11.5	6.5			
-50		9.4	20.5	38.3	64.6	99.3	136.9	162.0	162.0	136.9	99.3	64.6	38.3	20.5	9.4				
-60	4.4	7.4	14.8	25.7	39.4	54.2	67.6	75.3	75.3	67.6	54.2	39.4	25.7	14.8	7.4	4.4			
-70		5.2	9.8	15.7	22.8	29.6	34.8	37.2	37.2	34.8	29.6	22.8	15.7	9.8	5.2				
-80																			
-90	1.3	9.4		21.5		35.8		30.7		35.8		21.5		9.4		1.3			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

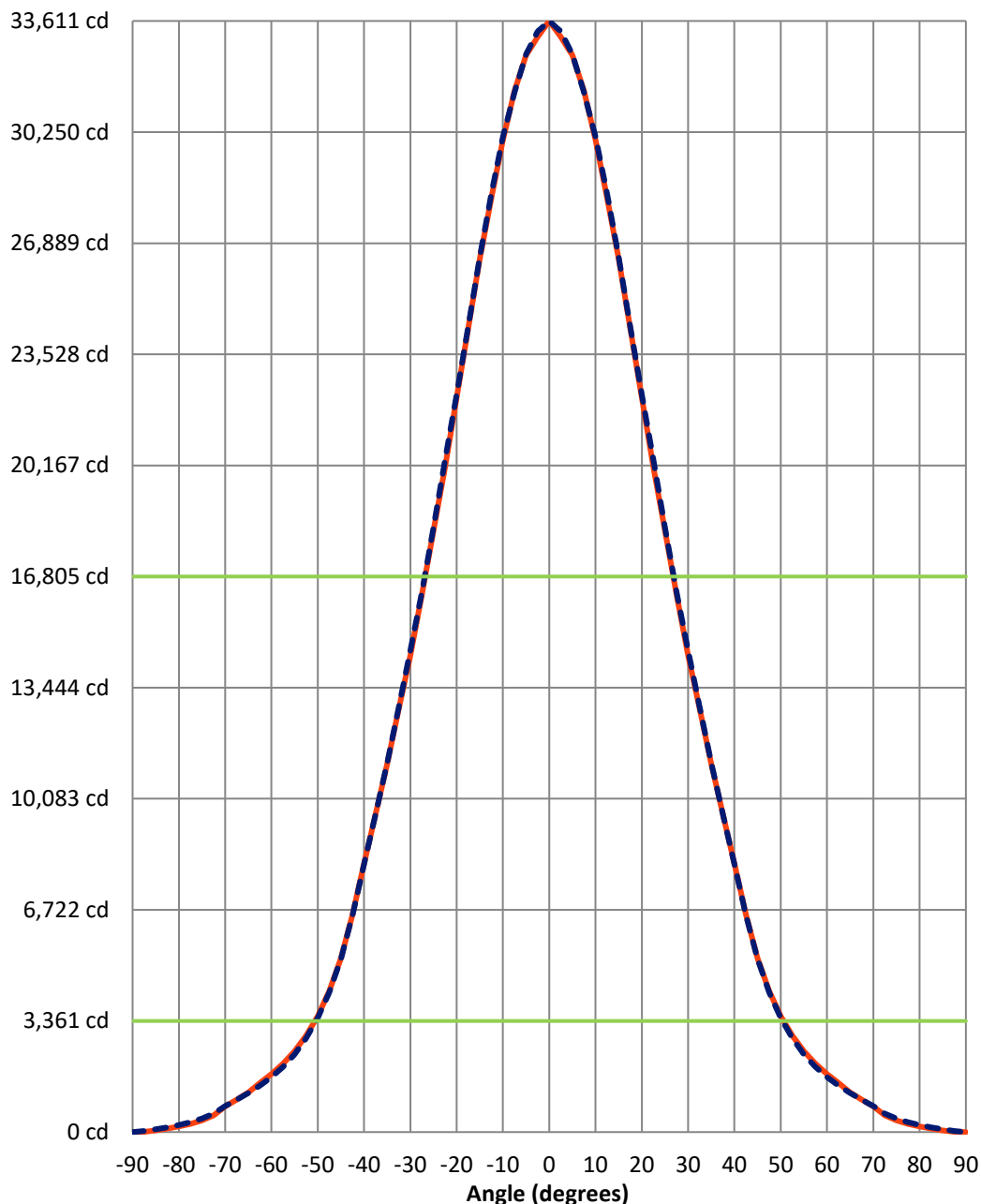
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 53.8°
 V Angle: 53.6°
 Lumens: 16356.2
 Efficiency: 47.8%

Field:
 H Angle: 100.8°
 V Angle: 101.2°
 Lumens: 30189.8
 Efficiency: 88.3%

Spill:
 Lumens: 4018.2
 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	1.7	3.9	6.4	9.3	12.5	16.0	17.7	19.1	20.2	21.1
85°	0.0	3.4	7.8	12.8	18.5	24.9	31.9	35.4	38.2	40.5	42.2
82.5°	0.0	5.1	11.7	19.2	27.7	37.2	47.7	53.1	58.5	67.8	76.0
80°	0.0	6.8	15.6	25.5	36.8	49.4	64.8	80.5	94.2	106.4	117.2
77.5°	0.0	8.5	19.4	31.7	45.7	64.2	92.4	112.8	129.8	145.0	160.1
75°	0.0	10.1	23.1	37.8	55.4	84.0	119.4	145.0	165.4	186.0	208.2
72.5°	0.0	11.7	26.8	43.8	68.6	103.1	145.4	176.6	201.1	227.5	255.5
70°	0.0	13.3	30.3	50.1	81.3	121.5	170.0	206.4	236.3	268.2	305.8
67.5°	0.0	14.8	33.8	57.9	93.6	139.0	191.5	235.7	270.7	310.3	355.4
65°	0.0	16.3	37.2	65.3	105.2	155.1	211.9	264.2	304.7	350.9	402.3
62.5°	0.0	17.8	40.4	72.4	116.1	169.9	231.2	291.3	337.3	389.8	446.0
60°	0.0	19.2	43.5	79.0	126.3	183.8	249.2	317.0	368.3	427.5	488.4
57.5°	0.0	20.6	47.3	85.2	135.8	196.7	265.5	340.1	399.8	463.9	527.5
55°	0.0	21.9	50.9	91.0	144.7	208.5	280.5	358.5	430.6	498.8	564.8
52.5°	0.0	23.1	54.4	96.2	152.8	219.4	294.3	378.6	460.1	532.0	601.3
50°	0.0	24.3	57.8	101.0	160.2	229.4	306.8	397.4	488.6	564.4	641.4
47.5°	0.0	25.4	60.9	105.3	166.8	238.4	318.4	414.6	516.8	595.9	680.7
45°	0.0	26.5	64.0	109.6	172.6	246.4	331.4	430.0	537.0	630.0	718.8
42.5°	0.0	27.5	66.8	113.4	177.6	253.3	343.0	445.1	555.4	662.9	758.2
40°	0.0	28.4	69.5	117.5	182.1	259.2	353.2	459.8	573.7	693.5	796.3
37.5°	0.0	29.3	72.0	121.8	186.1	264.0	361.9	473.1	593.7	717.6	832.4
35°	0.0	30.0	74.3	125.6	189.4	269.4	369.2	484.9	612.9	744.1	869.4
32.5°	0.0	30.8	76.4	129.2	191.9	274.5	375.8	495.3	631.2	771.0	907.2
30°	0.0	31.4	78.3	132.4	193.6	278.5	383.2	505.3	648.4	798.2	942.8
27.5°	0.0	32.0	80.0	135.2	197.8	281.3	389.3	517.9	666.4	825.5	976.2
25°	0.0	32.4	81.6	137.7	201.8	283.0	394.0	529.1	686.6	852.3	1007.4
22.5°	0.0	32.9	82.9	139.8	205.3	285.3	397.3	538.9	705.8	876.8	1041.5
20°	0.0	33.2	84.0	141.5	208.3	290.4	399.2	547.3	723.9	898.9	1072.0
17.5°	0.0	33.5	84.9	142.9	210.8	294.7	403.7	554.0	740.5	918.3	1098.9
15°	0.0	33.6	85.6	143.9	212.8	298.0	409.1	560.4	755.5	935.1	1121.9
12.5°	0.0	33.8	86.1	144.5	214.3	300.4	413.0	566.1	768.2	949.1	1141.1
10°	0.0	33.8	86.4	144.8	215.3	302.0	415.4	569.2	778.0	960.8	1156.7
7.5°	0.0	33.8	86.5	144.7	215.7	302.6	416.4	569.9	785.0	969.8	1168.8
5°	0.0	33.7	86.3	144.3	215.6	302.4	416.0	568.2	788.8	975.9	1176.8
2.5°	0.0	33.5	86.0	143.6	215.0	301.3	414.2	564.3	789.3	979.0	1180.8
0°	0.0	33.3	85.5	142.5	213.8	299.3	411.0	558.2	786.3	978.7	1180.6
-2.5°	0.0	33.5	86.0	143.6	215.0	301.3	414.2	564.3	789.3	979.0	1180.8
-5°	0.0	33.7	86.3	144.3	215.6	302.4	416.0	568.2	788.8	975.9	1176.8
-7.5°	0.0	33.8	86.5	144.7	215.7	302.6	416.4	569.9	785.0	969.8	1168.8
-10°	0.0	33.8	86.4	144.8	215.3	302.0	415.4	569.2	778.0	960.8	1156.7
-12.5°	0.0	33.8	86.1	144.5	214.3	300.4	413.0	566.1	768.2	949.1	1141.1
-15°	0.0	33.6	85.6	143.9	212.8	298.0	409.1	560.4	755.5	935.1	1121.9
-17.5°	0.0	33.5	84.9	142.9	210.8	294.7	403.7	554.0	740.5	918.3	1098.9
-20°	0.0	33.2	84.0	141.5	208.3	290.4	399.2	547.3	723.9	898.9	1072.0

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Scaled Data Report



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CATALOG NUMBER: GFLD-SA4E-735-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	32.9	82.9	139.8	205.3	285.3	397.3	538.9	705.8	876.8	1041.5
-25°	0.0	32.4	81.6	137.7	201.8	283.0	394.0	529.1	686.6	852.3	1007.4
-27.5°	0.0	32.0	80.0	135.2	197.8	281.3	389.3	517.9	666.4	825.5	976.2
-30°	0.0	31.4	78.3	132.4	193.6	278.5	383.2	505.3	648.4	798.2	942.8
-32.5°	0.0	30.8	76.4	129.2	191.9	274.5	375.8	495.3	631.2	771.0	907.2
-35°	0.0	30.0	74.3	125.6	189.4	269.4	369.2	484.9	612.9	744.1	869.4
-37.5°	0.0	29.3	72.0	121.8	186.1	264.0	361.9	473.1	593.7	717.6	832.4
-40°	0.0	28.4	69.5	117.5	182.1	259.2	353.2	459.8	573.7	693.5	796.3
-42.5°	0.0	27.5	66.8	113.4	177.6	253.3	343.0	445.1	555.4	662.9	758.2
-45°	0.0	26.5	64.0	109.6	172.6	246.4	331.4	430.0	537.0	630.0	718.8
-47.5°	0.0	25.4	60.9	105.3	166.8	238.4	318.4	414.6	516.8	595.9	680.7
-50°	0.0	24.3	57.8	101.0	160.2	229.4	306.8	397.4	488.6	564.4	641.4
-52.5°	0.0	23.1	54.4	96.2	152.8	219.4	294.3	378.6	460.1	532.0	601.3
-55°	0.0	21.9	50.9	91.0	144.7	208.5	280.5	358.5	430.6	498.8	564.8
-57.5°	0.0	20.6	47.3	85.2	135.8	196.7	265.5	340.1	399.8	463.9	527.5
-60°	0.0	19.2	43.5	79.0	126.3	183.8	249.2	317.0	368.3	427.5	488.4
-62.5°	0.0	17.8	40.4	72.4	116.1	169.9	231.2	291.3	337.3	389.8	446.0
-65°	0.0	16.3	37.2	65.3	105.2	155.1	211.9	264.2	304.7	350.9	402.3
-67.5°	0.0	14.8	33.8	57.9	93.6	139.0	191.5	235.7	270.7	310.3	355.4
-70°	0.0	13.3	30.3	50.1	81.3	121.5	170.0	206.4	236.3	268.2	305.8
-72.5°	0.0	11.7	26.8	43.8	68.6	103.1	145.4	176.6	201.1	227.5	255.5
-75°	0.0	10.1	23.1	37.8	55.4	84.0	119.4	145.0	165.4	186.0	208.2
-77.5°	0.0	8.5	19.4	31.7	45.7	64.2	92.4	112.8	129.8	145.0	160.1
-80°	0.0	6.8	15.6	25.5	36.8	49.4	64.8	80.5	94.2	106.4	117.2
-82.5°	0.0	5.1	11.7	19.2	27.7	37.2	47.7	53.1	58.5	67.8	76.0
-85°	0.0	3.4	7.8	12.8	18.5	24.9	31.9	35.4	38.2	40.5	42.2
-87.5°	0.0	1.7	3.9	6.4	9.3	12.5	16.0	17.7	19.1	20.2	21.1
-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°	21.4	21.4	21.1	20.4	19.5	18.3	16.9	15.2	15.8	16.4	17.0
85°	42.9	42.8	46.4	49.7	51.2	51.4	50.4	48.2	54.5	61.6	69.3
82.5°	83.6	90.9	97.8	104.2	104.9	103.2	100.0	96.3	109.0	124.4	140.4
80°	128.2	138.9	151.2	162.7	165.4	164.3	160.7	154.9	171.6	195.3	220.9
77.5°	177.9	194.9	210.7	225.3	229.5	228.8	226.2	221.5	242.8	275.6	309.7
75°	230.4	250.9	271.3	289.2	296.8	297.5	296.6	301.6	329.7	368.1	402.0
72.5°	285.0	311.2	334.1	353.9	366.2	375.6	388.0	403.3	431.6	469.3	502.5
70°	342.8	371.8	396.1	417.9	436.8	457.3	483.6	509.7	539.5	577.2	611.7
67.5°	399.8	429.3	456.6	483.5	517.8	550.7	583.4	617.5	655.1	694.7	729.6
65°	452.7	485.9	519.3	558.3	603.0	640.3	680.6	725.0	774.3	818.8	859.3
62.5°	503.4	540.9	582.2	629.4	677.7	724.4	778.6	835.5	893.1	948.9	1004.3
60°	546.2	593.0	643.1	696.4	752.2	815.7	879.2	946.9	1015.8	1083.0	1151.5
57.5°	587.4	645.2	703.0	765.1	834.6	907.2	983.4	1059.7	1142.0	1223.3	1301.0
55°	630.1	698.3	764.0	837.6	917.2	1002.5	1088.6	1181.1	1271.9	1374.3	1468.8
52.5°	675.8	749.9	827.2	911.3	1004.4	1100.6	1201.5	1307.6	1420.7	1534.5	1650.0
50°	720.3	803.9	889.9	990.5	1094.6	1204.5	1321.1	1444.6	1576.3	1708.1	1847.8
47.5°	766.9	856.1	961.1	1070.4	1189.7	1314.8	1446.7	1593.6	1740.1	1906.0	2066.2
45°	812.9	915.4	1029.4	1156.4	1287.3	1428.2	1585.1	1746.5	1933.4	2120.8	2331.3
42.5°	856.9	975.2	1103.8	1239.6	1388.6	1550.5	1724.2	1927.1	2137.8	2369.8	2616.9
40°	907.6	1032.3	1177.3	1329.1	1490.5	1675.6	1884.6	2109.9	2366.8	2641.6	2922.4
37.5°	956.7	1096.9	1249.7	1414.3	1601.8	1810.2	2040.9	2317.0	2613.6	2926.0	3307.9
35°	1002.8	1158.3	1324.3	1504.7	1707.7	1949.2	2225.1	2530.2	2872.0	3274.9	3720.5
32.5°	1051.8	1216.4	1394.7	1597.1	1826.9	2090.7	2404.1	2763.3	3167.6	3626.5	4184.1
30°	1101.1	1276.2	1464.7	1683.7	1939.2	2244.5	2600.7	2997.6	3462.9	4038.4	4693.0
27.5°	1146.7	1332.2	1538.6	1775.3	2048.5	2386.4	2789.5	3254.9	3803.0	4453.4	5218.0
25°	1188.6	1383.0	1606.5	1862.7	2169.0	2539.6	2976.7	3492.1	4143.3	4918.9	5859.5
22.5°	1228.5	1429.5	1667.8	1941.2	2277.6	2687.9	3179.9	3769.6	4489.5	5359.9	6488.0
20°	1266.0	1479.6	1728.8	2016.3	2374.6	2821.8	3366.6	4028.6	4847.9	5878.2	7104.2
17.5°	1298.9	1523.8	1786.5	2097.6	2482.8	2957.9	3542.8	4257.4	5166.9	6341.1	7672.8
15°	1327.2	1562.0	1836.4	2167.9	2580.2	3093.1	3727.7	4508.2	5499.6	6762.1	8172.1
12.5°	1350.8	1593.9	1878.3	2227.1	2662.1	3207.4	3885.6	4731.7	5823.7	7158.6	8610.4
10°	1369.6	1619.5	1912.1	2274.9	2728.1	3300.3	4015.7	4914.5	6093.4	7498.5	8981.3
7.5°	1385.2	1639.5	1937.9	2311.2	2778.0	3371.2	4116.9	5055.7	6304.2	7767.7	9265.8
5°	1396.4	1653.9	1957.6	2336.5	2814.6	3420.7	4187.8	5154.3	6454.1	7962.7	9460.4
2.5°	1402.6	1661.6	1968.9	2350.0	2837.1	3448.7	4225.0	5216.3	6536.6	8074.0	9578.0
0°	1403.9	1662.8	1971.7	2351.7	2843.5	3454.0	4230.8	5235.6	6554.0	8102.8	9620.8
-2.5°	1402.6	1661.6	1968.9	2350.0	2837.1	3448.7	4225.0	5216.3	6536.6	8074.0	9578.0
-5°	1396.4	1653.9	1957.6	2336.5	2814.6	3420.7	4187.8	5154.3	6454.1	7962.7	9460.4
-7.5°	1385.2	1639.5	1937.9	2311.2	2778.0	3371.2	4116.9	5055.7	6304.2	7767.7	9265.8
-10°	1369.6	1619.5	1912.1	2274.9	2728.1	3300.3	4015.7	4914.5	6093.4	7498.5	8981.3
-12.5°	1350.8	1593.9	1878.3	2227.1	2662.1	3207.4	3885.6	4731.7	5823.7	7158.6	8610.4
-15°	1327.2	1562.0	1836.4	2167.9	2580.2	3093.1	3727.7	4508.2	5499.6	6762.1	8172.1
-17.5°	1298.9	1523.8	1786.5	2097.6	2482.8	2957.9	3542.8	4257.4	5166.9	6341.1	7672.8
-20°	1266.0	1479.6	1728.8	2016.3	2374.6	2821.8	3366.6	4028.6	4847.9	5878.2	7104.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627523 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-735-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°	1228.5	1429.5	1667.8	1941.2	2277.6	2687.9	3179.9	3769.6	4489.5	5359.9	6488.0
-25°	1188.6	1383.0	1606.5	1862.7	2169.0	2539.6	2976.7	3492.1	4143.3	4918.9	5859.5
-27.5°	1146.7	1332.2	1538.6	1775.3	2048.5	2386.4	2789.5	3254.9	3803.0	4453.4	5218.0
-30°	1101.1	1276.2	1464.7	1683.7	1939.2	2244.5	2600.7	2997.6	3462.9	4038.4	4693.0
-32.5°	1051.8	1216.4	1394.7	1597.1	1826.9	2090.7	2404.1	2763.3	3167.6	3626.5	4184.1
-35°	1002.8	1158.3	1324.3	1504.7	1707.7	1949.2	2225.1	2530.2	2872.0	3274.9	3720.5
-37.5°	956.7	1096.9	1249.7	1414.3	1601.8	1810.2	2040.9	2317.0	2613.6	2926.0	3307.9
-40°	907.6	1032.3	1177.3	1329.1	1490.5	1675.6	1884.6	2109.9	2366.8	2641.6	2922.4
-42.5°	856.9	975.2	1103.8	1239.6	1388.6	1550.5	1724.2	1927.1	2137.8	2369.8	2616.9
-45°	812.9	915.4	1029.4	1156.4	1287.3	1428.2	1585.1	1746.5	1933.4	2120.8	2331.3
-47.5°	766.9	856.1	961.1	1070.4	1189.7	1314.8	1446.7	1593.6	1740.1	1906.0	2066.2
-50°	720.3	803.9	889.9	990.5	1094.6	1204.5	1321.1	1444.6	1576.3	1708.1	1847.8
-52.5°	675.8	749.9	827.2	911.3	1004.4	1100.6	1201.5	1307.6	1420.7	1534.5	1650.0
-55°	630.1	698.3	764.0	837.6	917.2	1002.5	1088.6	1181.1	1271.9	1374.3	1468.8
-57.5°	587.4	645.2	703.0	765.1	834.6	907.2	983.4	1059.7	1142.0	1223.3	1301.0
-60°	546.2	593.0	643.1	696.4	752.2	815.7	879.2	946.9	1015.8	1083.0	1151.5
-62.5°	503.4	540.9	582.2	629.4	677.7	724.4	778.6	835.5	893.1	948.9	1004.3
-65°	452.7	485.9	519.3	558.3	603.0	640.3	680.6	725.0	774.3	818.8	859.3
-67.5°	399.8	429.3	456.6	483.5	517.8	550.7	583.4	617.5	655.1	694.7	729.6
-70°	342.8	371.8	396.1	417.9	436.8	457.3	483.6	509.7	539.5	577.2	611.7
-72.5°	285.0	311.2	334.1	353.9	366.2	375.6	388.0	403.3	431.6	469.3	502.5
-75°	230.4	250.9	271.3	289.2	296.8	297.5	296.6	301.6	329.7	368.1	402.0
-77.5°	177.9	194.9	210.7	225.3	229.5	228.8	226.2	221.5	242.8	275.6	309.7
-80°	128.2	138.9	151.2	162.7	165.4	164.3	160.7	154.9	171.6	195.3	220.9
-82.5°	83.6	90.9	97.8	104.2	104.9	103.2	100.0	96.3	109.0	124.4	140.4
-85°	42.9	42.8	46.4	49.7	51.2	51.4	50.4	48.2	54.5	61.6	69.3
-87.5°	21.4	21.4	21.1	20.4	19.5	18.3	16.9	15.2	15.8	16.4	17.0
-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: P627523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-735-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.5	17.0	16.5	15.8	15.1	14.8	14.5	14.2	13.8	12.8	11.7
85°	77.3	79.0	79.9	80.4	80.4	83.0	85.4	87.6	89.5	81.1	71.9
82.5°	157.1	164.5	170.9	177.3	183.7	188.0	191.4	193.8	195.4	176.8	156.0
80°	247.3	262.8	275.6	287.8	299.6	302.5	302.5	300.8	297.6	272.2	243.6
77.5°	343.9	364.2	380.2	396.2	411.9	417.7	420.5	422.6	424.1	392.8	354.2
75°	431.5	455.7	478.2	499.1	518.4	528.6	534.7	539.6	543.4	512.0	470.6
72.5°	531.5	557.1	581.4	604.6	625.0	638.6	647.4	654.7	660.4	642.5	616.7
70°	641.4	667.8	693.6	717.7	740.8	759.0	773.4	785.7	796.0	798.0	797.1
67.5°	763.4	794.6	825.3	851.5	879.0	904.7	927.3	946.1	961.2	971.1	976.6
65°	900.3	947.3	989.2	1024.6	1054.3	1088.6	1118.9	1142.0	1158.4	1170.7	1181.4
62.5°	1061.7	1118.7	1166.5	1213.8	1262.6	1310.0	1339.6	1369.4	1398.5	1425.9	1449.3
60°	1217.0	1279.5	1344.3	1404.7	1460.5	1512.0	1565.2	1612.3	1653.6	1688.1	1713.8
57.5°	1382.6	1458.6	1532.3	1608.9	1681.1	1748.4	1814.1	1874.7	1927.2	1971.3	2007.4
55°	1562.2	1655.2	1742.8	1840.1	1934.5	2020.5	2099.6	2180.8	2254.0	2318.4	2369.4
52.5°	1756.0	1876.9	1992.9	2107.1	2229.4	2339.7	2438.5	2551.0	2650.8	2733.3	2797.5
50°	1987.3	2129.4	2282.4	2424.0	2578.2	2730.1	2870.1	3005.7	3138.4	3253.2	3345.9
47.5°	2250.6	2425.5	2615.1	2802.9	2994.3	3201.9	3387.1	3559.3	3744.7	3905.8	4035.0
45°	2543.3	2766.3	2995.4	3259.2	3502.3	3769.0	4015.8	4237.6	4500.6	4732.3	4918.8
42.5°	2868.1	3165.2	3466.3	3798.6	4121.1	4459.8	4819.5	5138.5	5487.3	5819.9	6088.7
40°	3270.6	3625.7	4029.0	4431.3	4894.2	5329.1	5853.0	6329.2	6761.7	7158.2	7483.2
37.5°	3717.9	4175.0	4681.7	5205.7	5839.1	6460.0	7073.4	7652.4	8163.6	8597.6	8961.7
35°	4225.7	4806.5	5420.2	6185.2	6927.4	7671.0	8363.8	8996.6	9552.6	10042.3	10458.8
32.5°	4809.8	5506.9	6366.0	7225.4	8072.0	8890.7	9651.3	10341.6	10951.4	11501.2	11980.0
30°	5423.9	6375.1	7339.3	8282.2	9206.8	10103.5	10938.3	11698.6	12387.6	12999.6	13551.3
27.5°	6204.3	7258.4	8309.8	9326.2	10343.4	11324.9	12229.5	13074.1	13864.7	14556.5	15187.1
25°	6959.1	8123.6	9241.3	10349.5	11456.8	12510.5	13522.0	14475.9	15381.4	16175.4	16879.5
22.5°	7713.8	8932.6	10127.0	11318.6	12508.0	13682.8	14818.5	15911.4	16924.1	17828.2	18620.7
20°	8412.8	9686.9	10964.2	12248.7	13538.0	14823.9	16099.5	17329.5	18457.6	19501.5	20418.7
17.5°	9039.4	10394.5	11748.7	13122.7	14520.3	15916.4	17333.4	18712.2	20002.0	21189.6	22253.7
15°	9594.3	11008.4	12462.7	13945.4	15446.2	16962.4	18508.6	20051.3	21503.1	22852.0	24040.0
12.5°	10079.6	11549.6	13073.9	14649.3	16278.2	17929.9	19617.4	21308.4	22915.6	24473.0	25755.8
10°	10480.0	12010.0	13603.2	15258.5	16976.2	18754.0	20564.4	22384.7	24155.3	25807.4	27274.4
7.5°	10789.2	12376.5	14018.2	15739.8	17542.0	19416.6	21334.4	23266.1	25155.8	26935.9	28559.0
5°	11007.3	12643.2	14305.6	16096.5	17961.3	19903.9	21897.1	23910.2	25885.5	27757.3	29439.4
2.5°	11133.9	12803.4	14472.9	16313.2	18210.6	20198.7	22246.0	24292.2	26319.7	28261.1	29989.6
0°	11167.2	12851.5	14568.9	16336.3	18289.0	20336.6	22310.7	24363.1	26470.2	28384.8	30107.1
-2.5°	11133.9	12803.4	14472.9	16313.2	18210.6	20198.7	22246.0	24292.2	26319.7	28261.1	29989.6
-5°	11007.3	12643.2	14305.6	16096.5	17961.3	19903.9	21897.1	23910.2	25885.5	27757.3	29439.4
-7.5°	10789.2	12376.5	14018.2	15739.8	17542.0	19416.6	21334.4	23266.1	25155.8	26935.9	28559.0
-10°	10480.0	12010.0	13603.2	15258.5	16976.2	18754.0	20564.4	22384.7	24155.3	25807.4	27274.4
-12.5°	10079.6	11549.6	13073.9	14649.3	16278.2	17929.9	19617.4	21308.4	22915.6	24473.0	25755.8
-15°	9594.3	11008.4	12462.7	13945.4	15446.2	16962.4	18508.6	20051.3	21503.1	22852.0	24040.0
-17.5°	9039.4	10394.5	11748.7	13122.7	14520.3	15916.4	17333.4	18712.2	20002.0	21189.6	22253.7
-20°	8412.8	9686.9	10964.2	12248.7	13538.0	14823.9	16099.5	17329.5	18457.6	19501.5	20418.7



REPORT NUMBER: P627523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-735-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7713.8	8932.6	10127.0	11318.6	12508.0	13682.8	14818.5	15911.4	16924.1	17828.2	18620.7
-25°	6959.1	8123.6	9241.3	10349.5	11456.8	12510.5	13522.0	14475.9	15381.4	16175.4	16879.5
-27.5°	6204.3	7258.4	8309.8	9326.2	10343.4	11324.9	12229.5	13074.1	13864.7	14556.5	15187.1
-30°	5423.9	6375.1	7339.3	8282.2	9206.8	10103.5	10938.3	11698.6	12387.6	12999.6	13551.3
-32.5°	4809.8	5506.9	6366.0	7225.4	8072.0	8890.7	9651.3	10341.6	10951.4	11501.2	11980.0
-35°	4225.7	4806.5	5420.2	6185.2	6927.4	7671.0	8363.8	8996.6	9552.6	10042.3	10458.8
-37.5°	3717.9	4175.0	4681.7	5205.7	5839.1	6460.0	7073.4	7652.4	8163.6	8597.6	8961.7
-40°	3270.6	3625.7	4029.0	4431.3	4894.2	5329.1	5853.0	6329.2	6761.7	7158.2	7483.2
-42.5°	2868.1	3165.2	3466.3	3798.6	4121.1	4459.8	4819.5	5138.5	5487.3	5819.9	6088.7
-45°	2543.3	2766.3	2995.4	3259.2	3502.3	3769.0	4015.8	4237.6	4500.6	4732.3	4918.8
-47.5°	2250.6	2425.5	2615.1	2802.9	2994.3	3201.9	3387.1	3559.3	3744.7	3905.8	4035.0
-50°	1987.3	2129.4	2282.4	2424.0	2578.2	2730.1	2870.1	3005.7	3138.4	3253.2	3345.9
-52.5°	1756.0	1876.9	1992.9	2107.1	2229.4	2339.7	2438.5	2551.0	2650.8	2733.3	2797.5
-55°	1562.2	1655.2	1742.8	1840.1	1934.5	2020.5	2099.6	2180.8	2254.0	2318.4	2369.4
-57.5°	1382.6	1458.6	1532.3	1608.9	1681.1	1748.4	1814.1	1874.7	1927.2	1971.3	2007.4
-60°	1217.0	1279.5	1344.3	1404.7	1460.5	1512.0	1565.2	1612.3	1653.6	1688.1	1713.8
-62.5°	1061.7	1118.7	1166.5	1213.8	1262.6	1310.0	1339.6	1369.4	1398.5	1425.9	1449.3
-65°	900.3	947.3	989.2	1024.6	1054.3	1088.6	1118.9	1142.0	1158.4	1170.7	1181.4
-67.5°	763.4	794.6	825.3	851.5	879.0	904.7	927.3	946.1	961.2	971.1	976.6
-70°	641.4	667.8	693.6	717.7	740.8	759.0	773.4	785.7	796.0	798.0	797.1
-72.5°	531.5	557.1	581.4	604.6	625.0	638.6	647.4	654.7	660.4	642.5	616.7
-75°	431.5	455.7	478.2	499.1	518.4	528.6	534.7	539.6	543.4	512.0	470.6
-77.5°	343.9	364.2	380.2	396.2	411.9	417.7	420.5	422.6	424.1	392.8	354.2
-80°	247.3	262.8	275.6	287.8	299.6	302.5	302.5	300.8	297.6	272.2	243.6
-82.5°	157.1	164.5	170.9	177.3	183.7	188.0	191.4	193.8	195.4	176.8	156.0
-85°	77.3	79.0	79.9	80.4	80.4	83.0	85.4	87.6	89.5	81.1	71.9
-87.5°	17.5	17.0	16.5	15.8	15.1	14.8	14.5	14.2	13.8	12.8	11.7
-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: P627523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-735-U-WR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.6	9.5	8.3	7.1	8.3	9.5	10.6	11.7	12.8	13.8	14.2
85°	62.2	52.1	51.0	49.9	51.0	52.1	62.2	71.9	81.1	89.5	87.6
82.5°	134.1	111.3	107.9	104.5	107.9	111.3	134.1	156.0	176.8	195.4	193.8
80°	213.7	182.8	176.8	171.0	176.8	182.8	213.7	243.6	272.2	297.6	300.8
77.5°	313.5	271.2	258.8	247.1	258.8	271.2	313.5	354.2	392.8	424.1	422.6
75°	427.6	383.1	368.1	353.9	368.1	383.1	427.6	470.6	512.0	543.4	539.6
72.5°	590.5	563.4	536.0	506.0	536.0	563.4	590.5	616.7	642.5	660.4	654.7
70°	796.2	794.3	787.4	776.8	787.4	794.3	796.2	797.1	798.0	796.0	785.7
67.5°	979.0	978.3	980.7	981.1	980.7	978.3	979.0	976.6	971.1	961.2	946.1
65°	1187.9	1190.2	1195.1	1197.3	1195.1	1190.2	1187.9	1181.4	1170.7	1158.4	1142.0
62.5°	1467.3	1479.4	1485.4	1484.7	1485.4	1479.4	1467.3	1449.3	1425.9	1398.5	1369.4
60°	1733.0	1745.6	1753.5	1755.5	1753.5	1745.6	1733.0	1713.8	1688.1	1653.6	1612.3
57.5°	2035.9	2056.5	2067.5	2069.1	2067.5	2056.5	2035.9	2007.4	1971.3	1927.2	1874.7
55°	2408.6	2435.9	2448.2	2446.8	2448.2	2435.9	2408.6	2369.4	2318.4	2254.0	2180.8
52.5°	2846.1	2879.4	2904.3	2919.5	2904.3	2879.4	2846.1	2797.5	2733.3	2650.8	2551.0
50°	3415.7	3463.5	3493.8	3506.2	3493.8	3463.5	3415.7	3345.9	3253.2	3138.4	3005.7
47.5°	4128.3	4191.6	4238.4	4271.1	4238.4	4191.6	4128.3	4035.0	3905.8	3744.7	3559.3
45°	5056.6	5153.1	5218.7	5257.0	5218.7	5153.1	5056.6	4918.8	4732.3	4500.6	4237.6
42.5°	6298.5	6448.3	6540.1	6575.4	6540.1	6448.3	6298.5	6088.7	5819.9	5487.3	5138.5
40°	7739.8	7919.8	8037.9	8119.5	8037.9	7919.8	7739.8	7483.2	7158.2	6761.7	6329.2
37.5°	9241.2	9430.2	9545.1	9623.1	9545.1	9430.2	9241.2	8961.7	8597.6	8163.6	7652.4
35°	10772.7	10970.6	11078.4	11138.7	11078.4	10970.6	10772.7	10458.8	10042.3	9552.6	8996.6
32.5°	12345.0	12563.0	12680.3	12801.6	12680.3	12563.0	12345.0	11980.0	11501.2	10951.4	10341.6
30°	13987.2	14237.4	14360.1	14419.3	14360.1	14237.4	13987.2	13551.3	12999.6	12387.6	11698.6
27.5°	15696.0	16007.9	16161.5	16262.7	16161.5	16007.9	15696.0	15187.1	14556.5	13864.7	13074.1
25°	17474.1	17860.6	18036.5	18193.9	18036.5	17860.6	17474.1	16879.5	16175.4	15381.4	14475.9
22.5°	19318.9	19800.1	20003.9	20115.7	20003.9	19800.1	19318.9	18620.7	17828.2	16924.1	15911.4
20°	21211.9	21786.9	22069.9	22215.7	22069.9	21786.9	21211.9	20418.7	19501.5	18457.6	17329.5
17.5°	23147.5	23862.8	24229.1	24313.2	24229.1	23862.8	23147.5	22253.7	21189.6	20002.0	18712.2
15°	25047.8	25821.4	26254.5	26413.2	26254.5	25821.4	25047.8	24040.0	22852.0	21503.1	20051.3
12.5°	26847.4	27649.3	28166.7	28258.9	28166.7	27649.3	26847.4	25755.8	24473.0	22915.6	21308.4
10°	28479.5	29310.2	29881.8	30012.1	29881.8	29310.2	28479.5	27274.4	25807.4	24155.3	22384.7
7.5°	29844.0	30755.4	31386.9	31496.7	31386.9	30755.4	29844.0	28559.0	26935.9	25155.8	23266.1
5°	30842.3	31924.4	32442.7	32572.8	32442.7	31924.4	30842.3	29439.4	27757.3	25885.5	23910.2
2.5°	31390.0	32491.6	33211.9	33128.7	33211.9	32491.6	31390.0	29989.6	28261.1	26319.7	24292.2
0°	31451.6	32603.7	33292.6	33610.9	33292.6	32603.7	31451.6	30107.1	28384.8	26470.2	24363.1
-2.5°	31390.0	32491.6	33211.9	33128.7	33211.9	32491.6	31390.0	29989.6	28261.1	26319.7	24292.2
-5°	30842.3	31924.4	32442.7	32572.8	32442.7	31924.4	30842.3	29439.4	27757.3	25885.5	23910.2
-7.5°	29844.0	30755.4	31386.9	31496.7	31386.9	30755.4	29844.0	28559.0	26935.9	25155.8	23266.1
-10°	28479.5	29310.2	29881.8	30012.1	29881.8	29310.2	28479.5	27274.4	25807.4	24155.3	22384.7
-12.5°	26847.4	27649.3	28166.7	28258.9	28166.7	27649.3	26847.4	25755.8	24473.0	22915.6	21308.4
-15°	25047.8	25821.4	26254.5	26413.2	26254.5	25821.4	25047.8	24040.0	22852.0	21503.1	20051.3
-17.5°	23147.5	23862.8	24229.1	24313.2	24229.1	23862.8	23147.5	22253.7	21189.6	20002.0	18712.2
-20°	21211.9	21786.9	22069.9	22215.7	22069.9	21786.9	21211.9	20418.7	19501.5	18457.6	17329.5



REPORT NUMBER: P627523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-735-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°	19318.9	19800.1	20003.9	20115.7	20003.9	19800.1	19318.9	18620.7	17828.2	16924.1	15911.4
-25°	17474.1	17860.6	18036.5	18193.9	18036.5	17860.6	17474.1	16879.5	16175.4	15381.4	14475.9
-27.5°	15696.0	16007.9	16161.5	16262.7	16161.5	16007.9	15696.0	15187.1	14556.5	13864.7	13074.1
-30°	13987.2	14237.4	14360.1	14419.3	14360.1	14237.4	13987.2	13551.3	12999.6	12387.6	11698.6
-32.5°	12345.0	12563.0	12680.3	12801.6	12680.3	12563.0	12345.0	11980.0	11501.2	10951.4	10341.6
-35°	10772.7	10970.6	11078.4	11138.7	11078.4	10970.6	10772.7	10458.8	10042.3	9552.6	8996.6
-37.5°	9241.2	9430.2	9545.1	9623.1	9545.1	9430.2	9241.2	8961.7	8597.6	8163.6	7652.4
-40°	7739.8	7919.8	8037.9	8119.5	8037.9	7919.8	7739.8	7483.2	7158.2	6761.7	6329.2
-42.5°	6298.5	6448.3	6540.1	6575.4	6540.1	6448.3	6298.5	6088.7	5819.9	5487.3	5138.5
-45°	5056.6	5153.1	5218.7	5257.0	5218.7	5153.1	5056.6	4918.8	4732.3	4500.6	4237.6
-47.5°	4128.3	4191.6	4238.4	4271.1	4238.4	4191.6	4128.3	4035.0	3905.8	3744.7	3559.3
-50°	3415.7	3463.5	3493.8	3506.2	3493.8	3463.5	3415.7	3345.9	3253.2	3138.4	3005.7
-52.5°	2846.1	2879.4	2904.3	2919.5	2904.3	2879.4	2846.1	2797.5	2733.3	2650.8	2551.0
-55°	2408.6	2435.9	2448.2	2446.8	2448.2	2435.9	2408.6	2369.4	2318.4	2254.0	2180.8
-57.5°	2035.9	2056.5	2067.5	2069.1	2067.5	2056.5	2035.9	2007.4	1971.3	1927.2	1874.7
-60°	1733.0	1745.6	1753.5	1755.5	1753.5	1745.6	1733.0	1713.8	1688.1	1653.6	1612.3
-62.5°	1467.3	1479.4	1485.4	1484.7	1485.4	1479.4	1467.3	1449.3	1425.9	1398.5	1369.4
-65°	1187.9	1190.2	1195.1	1197.3	1195.1	1190.2	1187.9	1181.4	1170.7	1158.4	1142.0
-67.5°	979.0	978.3	980.7	981.1	980.7	978.3	979.0	976.6	971.1	961.2	946.1
-70°	796.2	794.3	787.4	776.8	787.4	794.3	796.2	797.1	798.0	796.0	785.7
-72.5°	590.5	563.4	536.0	506.0	536.0	563.4	590.5	616.7	642.5	660.4	654.7
-75°	427.6	383.1	368.1	353.9	368.1	383.1	427.6	470.6	512.0	543.4	539.6
-77.5°	313.5	271.2	258.8	247.1	258.8	271.2	313.5	354.2	392.8	424.1	422.6
-80°	213.7	182.8	176.8	171.0	176.8	182.8	213.7	243.6	272.2	297.6	300.8
-82.5°	134.1	111.3	107.9	104.5	107.9	111.3	134.1	156.0	176.8	195.4	193.8
-85°	62.2	52.1	51.0	49.9	51.0	52.1	62.2	71.9	81.1	89.5	87.6
-87.5°	10.6	9.5	8.3	7.1	8.3	9.5	10.6	11.7	12.8	13.8	14.2
-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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CATALOG NUMBER: GFLD-SA4E-735-U-WR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.5	14.8	15.1	15.8	16.5	17.0	17.5	17.0	16.4	15.8	15.2
85°	85.4	83.0	80.4	80.4	79.9	79.0	77.3	69.3	61.6	54.5	48.2
82.5°	191.4	188.0	183.7	177.3	170.9	164.5	157.1	140.4	124.4	109.0	96.3
80°	302.5	302.5	299.6	287.8	275.6	262.8	247.3	220.9	195.3	171.6	154.9
77.5°	420.5	417.7	411.9	396.2	380.2	364.2	343.9	309.7	275.6	242.8	221.5
75°	534.7	528.6	518.4	499.1	478.2	455.7	431.5	402.0	368.1	329.7	301.6
72.5°	647.4	638.6	625.0	604.6	581.4	557.1	531.5	502.5	469.3	431.6	403.3
70°	773.4	759.0	740.8	717.7	693.6	667.8	641.4	611.7	577.2	539.5	509.7
67.5°	927.3	904.7	879.0	851.5	825.3	794.6	763.4	729.6	694.7	655.1	617.5
65°	1118.9	1088.6	1054.3	1024.6	989.2	947.3	900.3	859.3	818.8	774.3	725.0
62.5°	1339.6	1310.0	1262.6	1213.8	1166.5	1118.7	1061.7	1004.3	948.9	893.1	835.5
60°	1565.2	1512.0	1460.5	1404.7	1344.3	1279.5	1217.0	1151.5	1083.0	1015.8	946.9
57.5°	1814.1	1748.4	1681.1	1608.9	1532.3	1458.6	1382.6	1301.0	1223.3	1142.0	1059.7
55°	2099.6	2020.5	1934.5	1840.1	1742.8	1655.2	1562.2	1468.8	1374.3	1271.9	1181.1
52.5°	2438.5	2339.7	2229.4	2107.1	1992.9	1876.9	1756.0	1650.0	1534.5	1420.7	1307.6
50°	2870.1	2730.1	2578.2	2424.0	2282.4	2129.4	1987.3	1847.8	1708.1	1576.3	1444.6
47.5°	3387.1	3201.9	2994.3	2802.9	2615.1	2425.5	2250.6	2066.2	1906.0	1740.1	1593.6
45°	4015.8	3769.0	3502.3	3259.2	2995.4	2766.3	2543.3	2331.3	2120.8	1933.4	1746.5
42.5°	4819.5	4459.8	4121.1	3798.6	3466.3	3165.2	2868.1	2616.9	2369.8	2137.8	1927.1
40°	5853.0	5329.1	4894.2	4431.3	4029.0	3625.7	3270.6	2922.4	2641.6	2366.8	2109.9
37.5°	7073.4	6460.0	5839.1	5205.7	4681.7	4175.0	3717.9	3307.9	2926.0	2613.6	2317.0
35°	8363.8	7671.0	6927.4	6185.2	5420.2	4806.5	4225.7	3720.5	3274.9	2872.0	2530.2
32.5°	9651.3	8890.7	8072.0	7225.4	6366.0	5506.9	4809.8	4184.1	3626.5	3167.6	2763.3
30°	10938.3	10103.5	9206.8	8282.2	7339.3	6375.1	5423.9	4693.0	4038.4	3462.9	2997.6
27.5°	12229.5	11324.9	10343.4	9326.2	8309.8	7258.4	6204.3	5218.0	4453.4	3803.0	3254.9
25°	13522.0	12510.5	11456.8	10349.5	9241.3	8123.6	6959.1	5859.5	4918.9	4143.3	3492.1
22.5°	14818.5	13682.8	12508.0	11318.6	10127.0	8932.6	7713.8	6488.0	5359.9	4489.5	3769.6
20°	16099.5	14823.9	13538.0	12248.7	10964.2	9686.9	8412.8	7104.2	5878.2	4847.9	4028.6
17.5°	17333.4	15916.4	14520.3	13122.7	11748.7	10394.5	9039.4	7672.8	6341.1	5166.9	4257.4
15°	18508.6	16962.4	15446.2	13945.4	12462.7	11008.4	9594.3	8172.1	6762.1	5499.6	4508.2
12.5°	19617.4	17929.9	16278.2	14649.3	13073.9	11549.6	10079.6	8610.4	7158.6	5823.7	4731.7
10°	20564.4	18754.0	16976.2	15258.5	13603.2	12010.0	10480.0	8981.3	7498.5	6093.4	4914.5
7.5°	21334.4	19416.6	17542.0	15739.8	14018.2	12376.5	10789.2	9265.8	7767.7	6304.2	5055.7
5°	21897.1	19903.9	17961.3	16096.5	14305.6	12643.2	11007.3	9460.4	7962.7	6454.1	5154.3
2.5°	22246.0	20198.7	18210.6	16313.2	14472.9	12803.4	11133.9	9578.0	8074.0	6536.6	5216.3
0°	22310.7	20336.6	18289.0	16336.3	14568.9	12851.5	11167.2	9620.8	8102.8	6554.0	5235.6
-2.5°	22246.0	20198.7	18210.6	16313.2	14472.9	12803.4	11133.9	9578.0	8074.0	6536.6	5216.3
-5°	21897.1	19903.9	17961.3	16096.5	14305.6	12643.2	11007.3	9460.4	7962.7	6454.1	5154.3
-7.5°	21334.4	19416.6	17542.0	15739.8	14018.2	12376.5	10789.2	9265.8	7767.7	6304.2	5055.7
-10°	20564.4	18754.0	16976.2	15258.5	13603.2	12010.0	10480.0	8981.3	7498.5	6093.4	4914.5
-12.5°	19617.4	17929.9	16278.2	14649.3	13073.9	11549.6	10079.6	8610.4	7158.6	5823.7	4731.7
-15°	18508.6	16962.4	15446.2	13945.4	12462.7	11008.4	9594.3	8172.1	6762.1	5499.6	4508.2
-17.5°	17333.4	15916.4	14520.3	13122.7	11748.7	10394.5	9039.4	7672.8	6341.1	5166.9	4257.4
-20°	16099.5	14823.9	13538.0	12248.7	10964.2	9686.9	8412.8	7104.2	5878.2	4847.9	4028.6



REPORT NUMBER: P627523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-735-U-WR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14818.5	13682.8	12508.0	11318.6	10127.0	8932.6	7713.8	6488.0	5359.9	4489.5	3769.6
-25°	13522.0	12510.5	11456.8	10349.5	9241.3	8123.6	6959.1	5859.5	4918.9	4143.3	3492.1
-27.5°	12229.5	11324.9	10343.4	9326.2	8309.8	7258.4	6204.3	5218.0	4453.4	3803.0	3254.9
-30°	10938.3	10103.5	9206.8	8282.2	7339.3	6375.1	5423.9	4693.0	4038.4	3462.9	2997.6
-32.5°	9651.3	8890.7	8072.0	7225.4	6366.0	5506.9	4809.8	4184.1	3626.5	3167.6	2763.3
-35°	8363.8	7671.0	6927.4	6185.2	5420.2	4806.5	4225.7	3720.5	3274.9	2872.0	2530.2
-37.5°	7073.4	6460.0	5839.1	5205.7	4681.7	4175.0	3717.9	3307.9	2926.0	2613.6	2317.0
-40°	5853.0	5329.1	4894.2	4431.3	4029.0	3625.7	3270.6	2922.4	2641.6	2366.8	2109.9
-42.5°	4819.5	4459.8	4121.1	3798.6	3466.3	3165.2	2868.1	2616.9	2369.8	2137.8	1927.1
-45°	4015.8	3769.0	3502.3	3259.2	2995.4	2766.3	2543.3	2331.3	2120.8	1933.4	1746.5
-47.5°	3387.1	3201.9	2994.3	2802.9	2615.1	2425.5	2250.6	2066.2	1906.0	1740.1	1593.6
-50°	2870.1	2730.1	2578.2	2424.0	2282.4	2129.4	1987.3	1847.8	1708.1	1576.3	1444.6
-52.5°	2438.5	2339.7	2229.4	2107.1	1992.9	1876.9	1756.0	1650.0	1534.5	1420.7	1307.6
-55°	2099.6	2020.5	1934.5	1840.1	1742.8	1655.2	1562.2	1468.8	1374.3	1271.9	1181.1
-57.5°	1814.1	1748.4	1681.1	1608.9	1532.3	1458.6	1382.6	1301.0	1223.3	1142.0	1059.7
-60°	1565.2	1512.0	1460.5	1404.7	1344.3	1279.5	1217.0	1151.5	1083.0	1015.8	946.9
-62.5°	1339.6	1310.0	1262.6	1213.8	1166.5	1118.7	1061.7	1004.3	948.9	893.1	835.5
-65°	1118.9	1088.6	1054.3	1024.6	989.2	947.3	900.3	859.3	818.8	774.3	725.0
-67.5°	927.3	904.7	879.0	851.5	825.3	794.6	763.4	729.6	694.7	655.1	617.5
-70°	773.4	759.0	740.8	717.7	693.6	667.8	641.4	611.7	577.2	539.5	509.7
-72.5°	647.4	638.6	625.0	604.6	581.4	557.1	531.5	502.5	469.3	431.6	403.3
-75°	534.7	528.6	518.4	499.1	478.2	455.7	431.5	402.0	368.1	329.7	301.6
-77.5°	420.5	417.7	411.9	396.2	380.2	364.2	343.9	309.7	275.6	242.8	221.5
-80°	302.5	302.5	299.6	287.8	275.6	262.8	247.3	220.9	195.3	171.6	154.9
-82.5°	191.4	188.0	183.7	177.3	170.9	164.5	157.1	140.4	124.4	109.0	96.3
-85°	85.4	83.0	80.4	80.4	79.9	79.0	77.3	69.3	61.6	54.5	48.2
-87.5°	14.5	14.8	15.1	15.8	16.5	17.0	17.5	17.0	16.4	15.8	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: P627523 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-735-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°	16.9	18.3	19.5	20.4	21.1	21.4	21.4	21.1	20.2	19.1	17.7
85°	50.4	51.4	51.2	49.7	46.4	42.8	42.9	42.2	40.5	38.2	35.4
82.5°	100.0	103.2	104.9	104.2	97.8	90.9	83.6	76.0	67.8	58.5	53.1
80°	160.7	164.3	165.4	162.7	151.2	138.9	128.2	117.2	106.4	94.2	80.5
77.5°	226.2	228.8	229.5	225.3	210.7	194.9	177.9	160.1	145.0	129.8	112.8
75°	296.6	297.5	296.8	289.2	271.3	250.9	230.4	208.2	186.0	165.4	145.0
72.5°	388.0	375.6	366.2	353.9	334.1	311.2	285.0	255.5	227.5	201.1	176.6
70°	483.6	457.3	436.8	417.9	396.1	371.8	342.8	305.8	268.2	236.3	206.4
67.5°	583.4	550.7	517.8	483.5	456.6	429.3	399.8	355.4	310.3	270.7	235.7
65°	680.6	640.3	603.0	558.3	519.3	485.9	452.7	402.3	350.9	304.7	264.2
62.5°	778.6	724.4	677.7	629.4	582.2	540.9	503.4	446.0	389.8	337.3	291.3
60°	879.2	815.7	752.2	696.4	643.1	593.0	546.2	488.4	427.5	368.3	317.0
57.5°	983.4	907.2	834.6	765.1	703.0	645.2	587.4	527.5	463.9	399.8	340.1
55°	1088.6	1002.5	917.2	837.6	764.0	698.3	630.1	564.8	498.8	430.6	358.5
52.5°	1201.5	1100.6	1004.4	911.3	827.2	749.9	675.8	601.3	532.0	460.1	378.6
50°	1321.1	1204.5	1094.6	990.5	889.9	803.9	720.3	641.4	564.4	488.6	397.4
47.5°	1446.7	1314.8	1189.7	1070.4	961.1	856.1	766.9	680.7	595.9	516.8	414.6
45°	1585.1	1428.2	1287.3	1156.4	1029.4	915.4	812.9	718.8	630.0	537.0	430.0
42.5°	1724.2	1550.5	1388.6	1239.6	1103.8	975.2	856.9	758.2	662.9	555.4	445.1
40°	1884.6	1675.6	1490.5	1329.1	1177.3	1032.3	907.6	796.3	693.5	573.7	459.8
37.5°	2040.9	1810.2	1601.8	1414.3	1249.7	1096.9	956.7	832.4	717.6	593.7	473.1
35°	2225.1	1949.2	1707.7	1504.7	1324.3	1158.3	1002.8	869.4	744.1	612.9	484.9
32.5°	2404.1	2090.7	1826.9	1597.1	1394.7	1216.4	1051.8	907.2	771.0	631.2	495.3
30°	2600.7	2244.5	1939.2	1683.7	1464.7	1276.2	1101.1	942.8	798.2	648.4	505.3
27.5°	2789.5	2386.4	2048.5	1775.3	1538.6	1332.2	1146.7	976.2	825.5	666.4	517.9
25°	2976.7	2539.6	2169.0	1862.7	1606.5	1383.0	1188.6	1007.4	852.3	686.6	529.1
22.5°	3179.9	2687.9	2277.6	1941.2	1667.8	1429.5	1228.5	1041.5	876.8	705.8	538.9
20°	3366.6	2821.8	2374.6	2016.3	1728.8	1479.6	1266.0	1072.0	898.9	723.9	547.3
17.5°	3542.8	2957.9	2482.8	2097.6	1786.5	1523.8	1298.9	1098.9	918.3	740.5	554.0
15°	3727.7	3093.1	2580.2	2167.9	1836.4	1562.0	1327.2	1121.9	935.1	755.5	560.4
12.5°	3885.6	3207.4	2662.1	2227.1	1878.3	1593.9	1350.8	1141.1	949.1	768.2	566.1
10°	4015.7	3300.3	2728.1	2274.9	1912.1	1619.5	1369.6	1156.7	960.8	778.0	569.2
7.5°	4116.9	3371.2	2778.0	2311.2	1937.9	1639.5	1385.2	1168.8	969.8	785.0	569.9
5°	4187.8	3420.7	2814.6	2336.5	1957.6	1653.9	1396.4	1176.8	975.9	788.8	568.2
2.5°	4225.0	3448.7	2837.1	2350.0	1968.9	1661.6	1402.6	1180.8	979.0	789.3	564.3
0°	4230.8	3454.0	2843.5	2351.7	1971.7	1662.8	1403.9	1180.6	978.7	786.3	558.2
-2.5°	4225.0	3448.7	2837.1	2350.0	1968.9	1661.6	1402.6	1180.8	979.0	789.3	564.3
-5°	4187.8	3420.7	2814.6	2336.5	1957.6	1653.9	1396.4	1176.8	975.9	788.8	568.2
-7.5°	4116.9	3371.2	2778.0	2311.2	1937.9	1639.5	1385.2	1168.8	969.8	785.0	569.9
-10°	4015.7	3300.3	2728.1	2274.9	1912.1	1619.5	1369.6	1156.7	960.8	778.0	569.2
-12.5°	3885.6	3207.4	2662.1	2227.1	1878.3	1593.9	1350.8	1141.1	949.1	768.2	566.1
-15°	3727.7	3093.1	2580.2	2167.9	1836.4	1562.0	1327.2	1121.9	935.1	755.5	560.4
-17.5°	3542.8	2957.9	2482.8	2097.6	1786.5	1523.8	1298.9	1098.9	918.3	740.5	554.0
-20°	3366.6	2821.8	2374.6	2016.3	1728.8	1479.6	1266.0	1072.0	898.9	723.9	547.3

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

Scaled Data Report



REPORT NUMBER: P627523 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-735-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°	3179.9	2687.9	2277.6	1941.2	1667.8	1429.5	1228.5	1041.5	876.8	705.8	538.9
-25°	2976.7	2539.6	2169.0	1862.7	1606.5	1383.0	1188.6	1007.4	852.3	686.6	529.1
-27.5°	2789.5	2386.4	2048.5	1775.3	1538.6	1332.2	1146.7	976.2	825.5	666.4	517.9
-30°	2600.7	2244.5	1939.2	1683.7	1464.7	1276.2	1101.1	942.8	798.2	648.4	505.3
-32.5°	2404.1	2090.7	1826.9	1597.1	1394.7	1216.4	1051.8	907.2	771.0	631.2	495.3
-35°	2225.1	1949.2	1707.7	1504.7	1324.3	1158.3	1002.8	869.4	744.1	612.9	484.9
-37.5°	2040.9	1810.2	1601.8	1414.3	1249.7	1096.9	956.7	832.4	717.6	593.7	473.1
-40°	1884.6	1675.6	1490.5	1329.1	1177.3	1032.3	907.6	796.3	693.5	573.7	459.8
-42.5°	1724.2	1550.5	1388.6	1239.6	1103.8	975.2	856.9	758.2	662.9	555.4	445.1
-45°	1585.1	1428.2	1287.3	1156.4	1029.4	915.4	812.9	718.8	630.0	537.0	430.0
-47.5°	1446.7	1314.8	1189.7	1070.4	961.1	856.1	766.9	680.7	595.9	516.8	414.6
-50°	1321.1	1204.5	1094.6	990.5	889.9	803.9	720.3	641.4	564.4	488.6	397.4
-52.5°	1201.5	1100.6	1004.4	911.3	827.2	749.9	675.8	601.3	532.0	460.1	378.6
-55°	1088.6	1002.5	917.2	837.6	764.0	698.3	630.1	564.8	498.8	430.6	358.5
-57.5°	983.4	907.2	834.6	765.1	703.0	645.2	587.4	527.5	463.9	399.8	340.1
-60°	879.2	815.7	752.2	696.4	643.1	593.0	546.2	488.4	427.5	368.3	317.0
-62.5°	778.6	724.4	677.7	629.4	582.2	540.9	503.4	446.0	389.8	337.3	291.3
-65°	680.6	640.3	603.0	558.3	519.3	485.9	452.7	402.3	350.9	304.7	264.2
-67.5°	583.4	550.7	517.8	483.5	456.6	429.3	399.8	355.4	310.3	270.7	235.7
-70°	483.6	457.3	436.8	417.9	396.1	371.8	342.8	305.8	268.2	236.3	206.4
-72.5°	388.0	375.6	366.2	353.9	334.1	311.2	285.0	255.5	227.5	201.1	176.6
-75°	296.6	297.5	296.8	289.2	271.3	250.9	230.4	208.2	186.0	165.4	145.0
-77.5°	226.2	228.8	229.5	225.3	210.7	194.9	177.9	160.1	145.0	129.8	112.8
-80°	160.7	164.3	165.4	162.7	151.2	138.9	128.2	117.2	106.4	94.2	80.5
-82.5°	100.0	103.2	104.9	104.2	97.8	90.9	83.6	76.0	67.8	58.5	53.1
-85°	50.4	51.4	51.2	49.7	46.4	42.8	42.9	42.2	40.5	38.2	35.4
-87.5°	16.9	18.3	19.5	20.4	21.1	21.4	21.4	21.1	20.2	19.1	17.7
-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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Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P627523 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-735-U-WR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.0	12.5	9.3	6.4	3.9	1.7	0.0
85°	31.9	24.9	18.5	12.8	7.8	3.4	0.0
82.5°	47.7	37.2	27.7	19.2	11.7	5.1	0.0
80°	64.8	49.4	36.8	25.5	15.6	6.8	0.0
77.5°	92.4	64.2	45.7	31.7	19.4	8.5	0.0
75°	119.4	84.0	55.4	37.8	23.1	10.1	0.0
72.5°	145.4	103.1	68.6	43.8	26.8	11.7	0.0
70°	170.0	121.5	81.3	50.1	30.3	13.3	0.0
67.5°	191.5	139.0	93.6	57.9	33.8	14.8	0.0
65°	211.9	155.1	105.2	65.3	37.2	16.3	0.0
62.5°	231.2	169.9	116.1	72.4	40.4	17.8	0.0
60°	249.2	183.8	126.3	79.0	43.5	19.2	0.0
57.5°	265.5	196.7	135.8	85.2	47.3	20.6	0.0
55°	280.5	208.5	144.7	91.0	50.9	21.9	0.0
52.5°	294.3	219.4	152.8	96.2	54.4	23.1	0.0
50°	306.8	229.4	160.2	101.0	57.8	24.3	0.0
47.5°	318.4	238.4	166.8	105.3	60.9	25.4	0.0
45°	331.4	246.4	172.6	109.6	64.0	26.5	0.0
42.5°	343.0	253.3	177.6	113.4	66.8	27.5	0.0
40°	353.2	259.2	182.1	117.5	69.5	28.4	0.0
37.5°	361.9	264.0	186.1	121.8	72.0	29.3	0.0
35°	369.2	269.4	189.4	125.6	74.3	30.0	0.0
32.5°	375.8	274.5	191.9	129.2	76.4	30.8	0.0
30°	383.2	278.5	193.6	132.4	78.3	31.4	0.0
27.5°	389.3	281.3	197.8	135.2	80.0	32.0	0.0
25°	394.0	283.0	201.8	137.7	81.6	32.4	0.0
22.5°	397.3	285.3	205.3	139.8	82.9	32.9	0.0
20°	399.2	290.4	208.3	141.5	84.0	33.2	0.0
17.5°	403.7	294.7	210.8	142.9	84.9	33.5	0.0
15°	409.1	298.0	212.8	143.9	85.6	33.6	0.0
12.5°	413.0	300.4	214.3	144.5	86.1	33.8	0.0
10°	415.4	302.0	215.3	144.8	86.4	33.8	0.0
7.5°	416.4	302.6	215.7	144.7	86.5	33.8	0.0
5°	416.0	302.4	215.6	144.3	86.3	33.7	0.0
2.5°	414.2	301.3	215.0	143.6	86.0	33.5	0.0
0°	411.0	299.3	213.8	142.5	85.5	33.3	0.0
-2.5°	414.2	301.3	215.0	143.6	86.0	33.5	0.0
-5°	416.0	302.4	215.6	144.3	86.3	33.7	0.0
-7.5°	416.4	302.6	215.7	144.7	86.5	33.8	0.0
-10°	415.4	302.0	215.3	144.8	86.4	33.8	0.0
-12.5°	413.0	300.4	214.3	144.5	86.1	33.8	0.0
-15°	409.1	298.0	212.8	143.9	85.6	33.6	0.0
-17.5°	403.7	294.7	210.8	142.9	84.9	33.5	0.0
-20°	399.2	290.4	208.3	141.5	84.0	33.2	0.0

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Scaled Data Report



REPORT NUMBER: P627523 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-735-U-WR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	397.3	285.3	205.3	139.8	82.9	32.9	0.0
-25°	394.0	283.0	201.8	137.7	81.6	32.4	0.0
-27.5°	389.3	281.3	197.8	135.2	80.0	32.0	0.0
-30°	383.2	278.5	193.6	132.4	78.3	31.4	0.0
-32.5°	375.8	274.5	191.9	129.2	76.4	30.8	0.0
-35°	369.2	269.4	189.4	125.6	74.3	30.0	0.0
-37.5°	361.9	264.0	186.1	121.8	72.0	29.3	0.0
-40°	353.2	259.2	182.1	117.5	69.5	28.4	0.0
-42.5°	343.0	253.3	177.6	113.4	66.8	27.5	0.0
-45°	331.4	246.4	172.6	109.6	64.0	26.5	0.0
-47.5°	318.4	238.4	166.8	105.3	60.9	25.4	0.0
-50°	306.8	229.4	160.2	101.0	57.8	24.3	0.0
-52.5°	294.3	219.4	152.8	96.2	54.4	23.1	0.0
-55°	280.5	208.5	144.7	91.0	50.9	21.9	0.0
-57.5°	265.5	196.7	135.8	85.2	47.3	20.6	0.0
-60°	249.2	183.8	126.3	79.0	43.5	19.2	0.0
-62.5°	231.2	169.9	116.1	72.4	40.4	17.8	0.0
-65°	211.9	155.1	105.2	65.3	37.2	16.3	0.0
-67.5°	191.5	139.0	93.6	57.9	33.8	14.8	0.0
-70°	170.0	121.5	81.3	50.1	30.3	13.3	0.0
-72.5°	145.4	103.1	68.6	43.8	26.8	11.7	0.0
-75°	119.4	84.0	55.4	37.8	23.1	10.1	0.0
-77.5°	92.4	64.2	45.7	31.7	19.4	8.5	0.0
-80°	64.8	49.4	36.8	25.5	15.6	6.8	0.0
-82.5°	47.7	37.2	27.7	19.2	11.7	5.1	0.0
-85°	31.9	24.9	18.5	12.8	7.8	3.4	0.0
-87.5°	16.0	12.5	9.3	6.4	3.9	1.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)