

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



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P627437 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA4D-727-U-MWR-XX

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-2019
Report Number: P627437 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/9/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA4D-727-U-MWR-XX
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N89
Light Source: (64) 2700K CCT, 70 CRI LEDS
Ballast/Driver: -

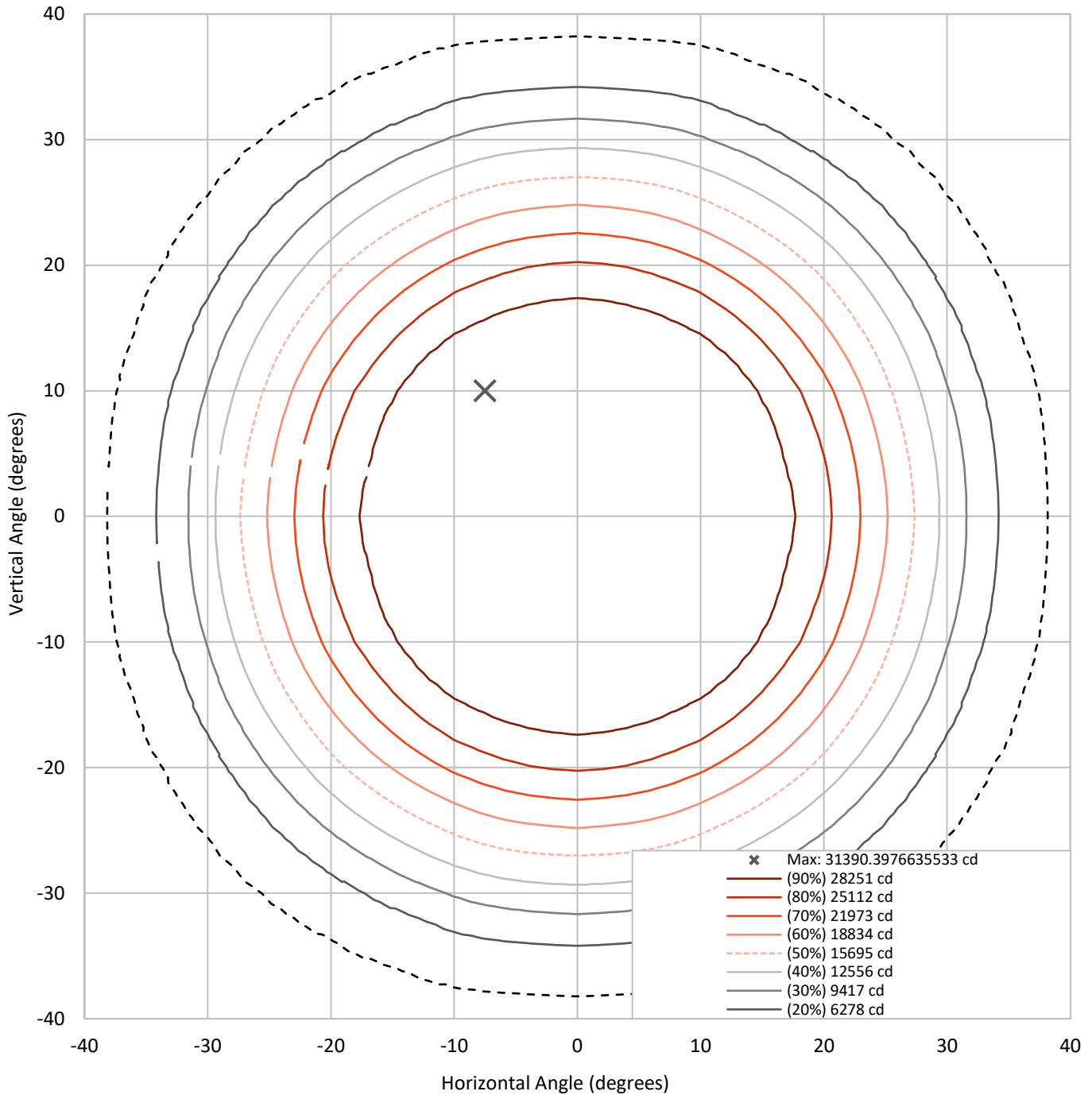
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	26716.2 lumens	Max Intensity:	31390.4 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	120.7 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')		
Beam Angle (50%):	51°H x 52.3°V	Field Angle (10%):	74.5°H x 75.5°V
Beam Lumens:	17732.6 lumens	Field Lumens:	23057.5 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
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





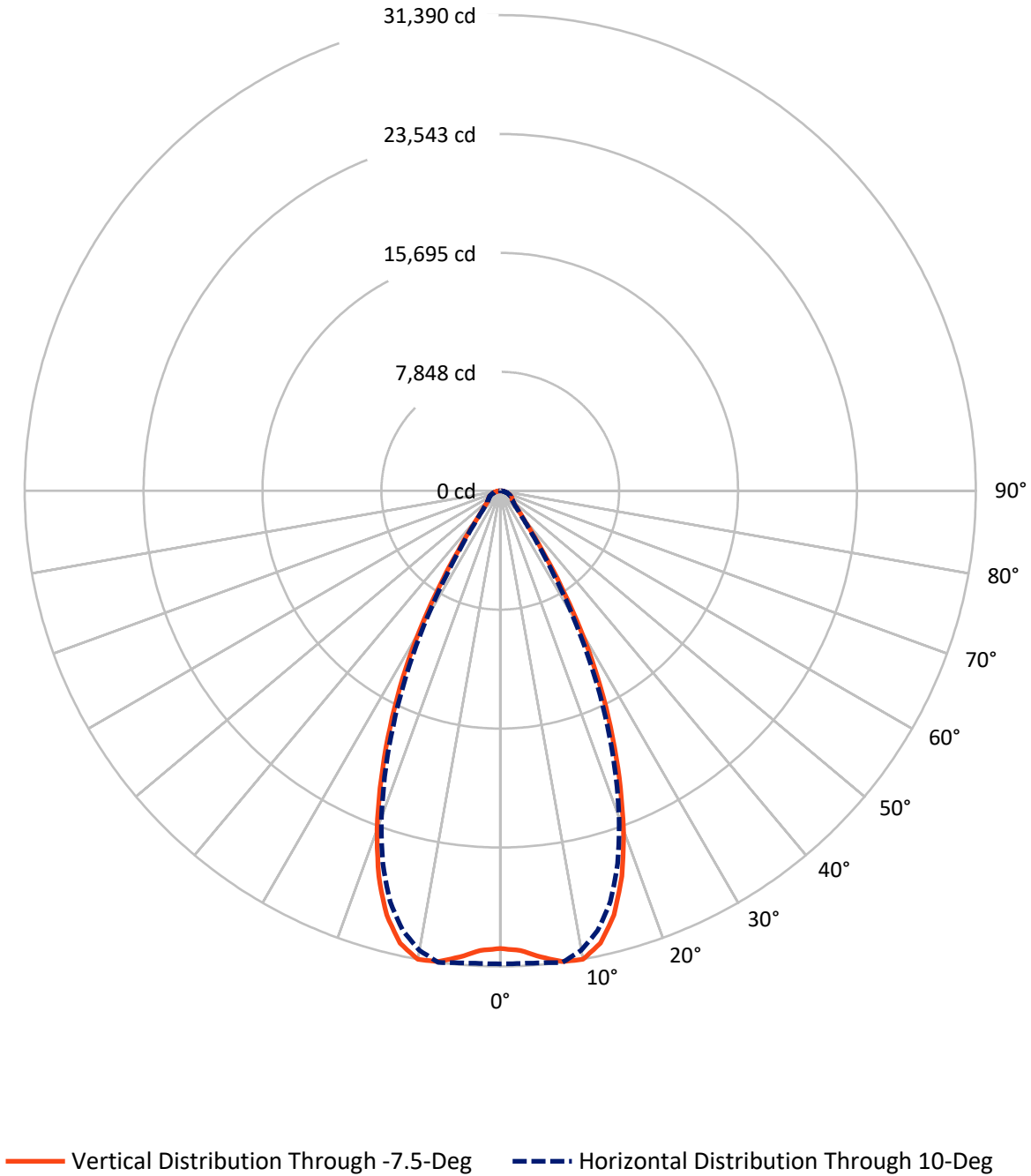
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Lumen Table

90																			
80	0.7	6.3		16.8		26.5		29.6		26.5		16.8		6.3		0.7			
70																			
60	2.8	3.2	6.6	10.7	15.0	18.2	20.5	21.7	21.7	20.5	18.2	15.0	10.7	6.6	3.2	2.8			
50		4.8	9.6	15.4	20.6	24.9	27.9	29.1	29.1	27.9	24.9	20.6	15.4	9.6	4.8				
40	5.0	6.2	12.2	18.7	25.1	32.6	41.0	47.1	47.1	41.0	32.6	25.1	18.7	12.2	6.2	5.0			
30		7.4	14.2	21.5	33.3	60.7	116.2	172.3	172.3	116.2	60.7	33.3	21.5	14.2	7.4				
20	6.5	8.2	15.5	25.1	54.7	171.5	384.8	537.3	537.3	384.8	171.5	54.7	25.1	15.5	8.2	6.5			
10		8.8	16.3	29.8	98.9	365.6	698.2	873.9	873.9	698.2	365.6	98.9	29.8	16.3	8.8				
0	7.0	9.1	16.7	33.6	142.4	500.3	847.1	921.6	921.6	847.1	500.3	142.4	33.6	16.7	9.1	7.0			
-10		9.1	16.7	33.6	142.4	500.3	847.1	921.6	921.6	847.1	500.3	142.4	33.6	16.7	9.1				
-20	6.5	8.8	16.3	29.8	98.9	365.6	698.2	873.9	873.9	698.2	365.6	98.9	29.8	16.3	8.8	6.5			
-30		8.2	15.5	25.1	54.7	171.5	384.8	537.3	537.3	384.8	171.5	54.7	25.1	15.5	8.2				
-40	5.0	7.4	14.2	21.5	33.3	60.7	116.2	172.3	172.3	116.2	60.7	33.3	21.5	14.2	7.4	5.0			
-50		6.2	12.2	18.7	25.1	32.6	41.0	47.1	47.1	41.0	32.6	25.1	18.7	12.2	6.2				
-60	2.8	4.8	9.6	15.4	20.6	24.9	27.9	29.1	29.1	27.9	24.9	20.6	15.4	9.6	4.8	2.8			
-70		3.2	6.6	10.7	15.0	18.2	20.5	21.7	21.7	20.5	18.2	15.0	10.7	6.6	3.2				
-80	0.7	6.3		16.8		26.5		29.6		26.5		16.8		6.3		0.7			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

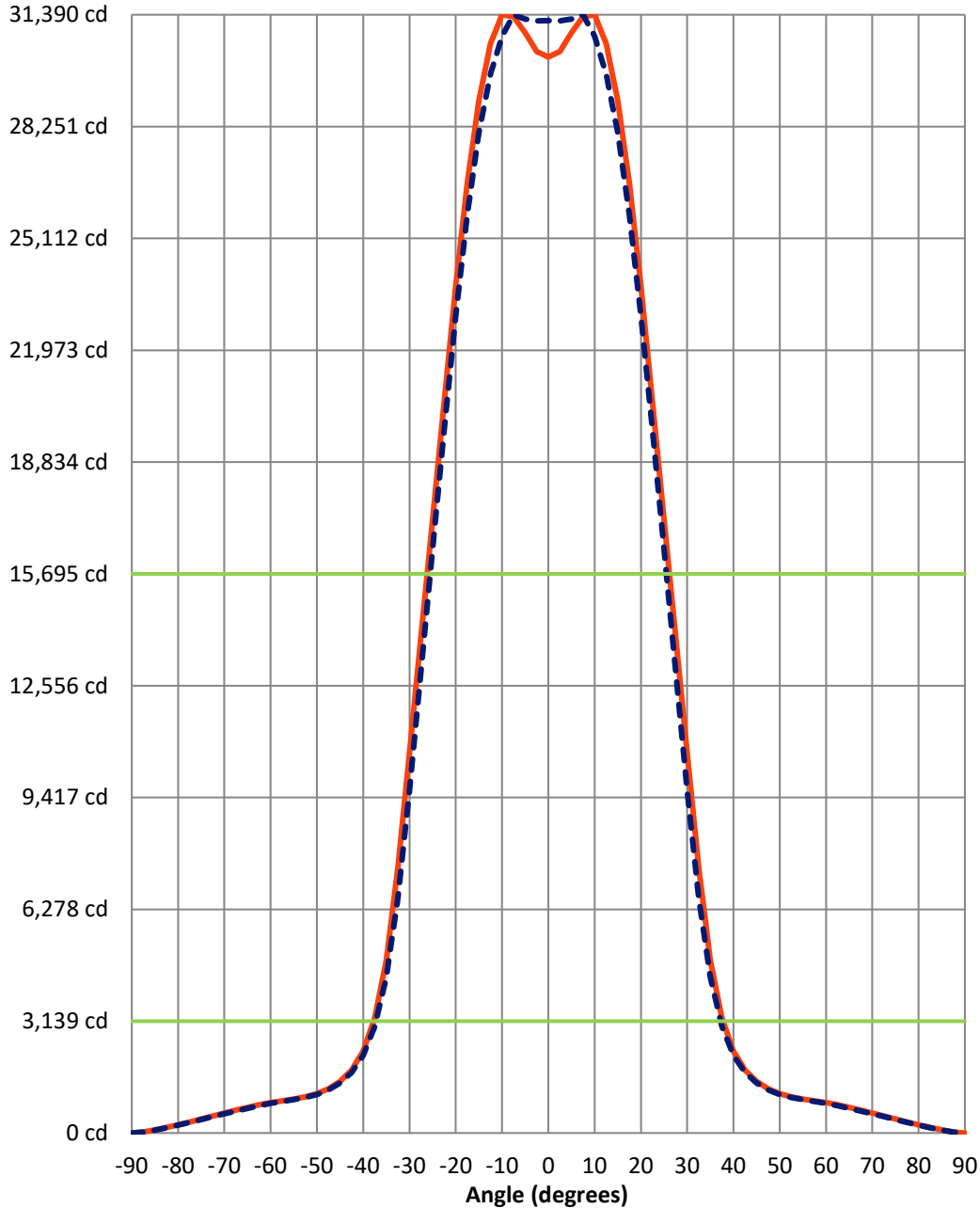
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 51°
 V Angle: 52.3°
 Lumens: 17732.6
 Efficiency: 66.4%

Field:
 H Angle: 74.5°
 V Angle: 75.5°
 Lumens: 23057.5
 Efficiency: 86.3%

Spill:
 Lumens: 3658.7
 Efficiency: 13.7%

— Vertical Distribution through -7.5-Deg
 - - Horizontal Distribution through 10-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	1.2	2.4	3.6	4.8	6.0	7.1	8.7	10.3	12.1	13.9
85°	0.0	2.4	4.8	7.2	9.5	11.9	14.2	17.3	20.6	24.1	27.8
82.5°	0.0	3.6	7.2	10.7	14.3	17.8	21.3	25.9	31.5	39.7	47.5
80°	0.0	4.8	9.5	14.3	19.0	23.7	29.3	40.4	51.0	61.0	70.5
77.5°	0.0	6.0	11.9	17.8	23.7	32.0	44.7	57.8	70.4	82.3	95.0
75°	0.0	7.1	14.2	21.3	29.3	44.7	59.9	75.2	90.1	107.4	124.4
72.5°	0.0	8.3	16.5	24.7	39.4	57.3	74.9	93.3	113.7	133.8	153.6
70°	0.0	9.4	18.8	28.9	49.4	69.7	90.1	113.7	137.0	159.9	184.0
67.5°	0.0	10.5	21.0	36.3	59.2	81.9	107.3	133.8	159.9	186.8	214.2
65°	0.0	11.6	23.2	43.5	68.8	94.8	124.1	153.6	183.0	213.1	245.1
62.5°	0.0	12.7	25.4	50.6	78.2	108.3	140.5	173.1	205.6	239.6	278.2
60°	0.0	13.7	27.5	57.5	87.4	121.4	156.4	192.1	227.6	268.4	310.4
57.5°	0.0	14.8	31.9	64.3	97.5	134.2	172.4	210.6	251.5	296.3	340.8
55°	0.0	15.8	36.2	70.8	107.3	146.6	188.1	228.7	275.3	323.1	370.0
52.5°	0.0	16.7	40.3	77.2	116.8	158.7	203.4	248.6	298.3	348.6	398.3
50°	0.0	17.7	44.3	83.4	125.9	171.1	218.3	268.1	320.3	373.3	425.8
47.5°	0.0	18.6	48.2	89.5	134.6	183.2	233.0	286.7	341.5	397.1	452.3
45°	0.0	19.4	51.8	95.7	143.0	194.9	248.2	304.5	361.9	420.0	477.8
42.5°	0.0	20.3	55.3	101.7	150.9	206.2	262.6	321.4	381.3	442.0	501.9
40°	0.0	21.1	58.5	107.2	159.0	217.0	276.4	337.5	399.8	462.9	525.0
37.5°	0.0	21.8	61.6	112.3	167.2	227.3	289.3	352.6	417.7	483.1	547.3
35°	0.0	22.5	64.5	117.1	175.0	237.3	301.5	366.7	434.7	502.1	568.1
32.5°	0.0	23.2	67.2	121.7	182.3	246.8	312.8	379.8	450.9	519.7	586.4
30°	0.0	23.8	69.7	125.8	189.2	255.7	323.2	392.1	466.1	535.9	603.5
27.5°	0.0	24.4	71.9	129.7	195.3	263.8	332.8	404.3	480.0	550.7	619.3
25°	0.0	24.9	74.0	133.2	200.8	271.2	341.5	415.5	492.1	563.8	633.7
22.5°	0.0	25.4	75.8	136.3	205.8	277.7	349.4	425.8	502.9	575.5	646.8
20°	0.0	25.8	77.4	139.2	210.3	283.3	356.3	435.1	512.5	585.8	658.4
17.5°	0.0	26.2	78.8	141.6	214.2	288.2	362.6	443.4	520.9	594.9	668.6
15°	0.0	26.6	80.0	143.7	217.5	292.4	368.2	450.8	527.9	602.7	677.4
12.5°	0.0	26.8	80.9	145.4	220.2	295.9	373.0	457.4	534.2	609.2	684.6
10°	0.0	27.1	81.7	146.7	222.4	298.6	377.1	462.8	539.7	615.2	690.7
7.5°	0.0	27.3	82.2	147.7	224.0	300.6	380.3	467.0	543.9	620.1	696.2
5°	0.0	27.4	82.5	148.3	225.0	301.8	382.6	470.0	547.0	623.5	700.1
2.5°	0.0	27.5	82.5	148.5	225.4	302.3	384.0	471.8	548.8	625.6	702.4
0°	0.0	27.5	82.4	148.3	225.2	302.1	384.5	472.4	549.4	626.3	703.2
-2.5°	0.0	27.5	82.5	148.5	225.4	302.3	384.0	471.8	548.8	625.6	702.4
-5°	0.0	27.4	82.5	148.3	225.0	301.8	382.6	470.0	547.0	623.5	700.1
-7.5°	0.0	27.3	82.2	147.7	224.0	300.6	380.3	467.0	543.9	620.1	696.2
-10°	0.0	27.1	81.7	146.7	222.4	298.6	377.1	462.8	539.7	615.2	690.7
-12.5°	0.0	26.8	80.9	145.4	220.2	295.9	373.0	457.4	534.2	609.2	684.6
-15°	0.0	26.6	80.0	143.7	217.5	292.4	368.2	450.8	527.9	602.7	677.4
-17.5°	0.0	26.2	78.8	141.6	214.2	288.2	362.6	443.4	520.9	594.9	668.6
-20°	0.0	25.8	77.4	139.2	210.3	283.3	356.3	435.1	512.5	585.8	658.4

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	25.4	75.8	136.3	205.8	277.7	349.4	425.8	502.9	575.5	646.8
-25°	0.0	24.9	74.0	133.2	200.8	271.2	341.5	415.5	492.1	563.8	633.7
-27.5°	0.0	24.4	71.9	129.7	195.3	263.8	332.8	404.3	480.0	550.7	619.3
-30°	0.0	23.8	69.7	125.8	189.2	255.7	323.2	392.1	466.1	535.9	603.5
-32.5°	0.0	23.2	67.2	121.7	182.3	246.8	312.8	379.8	450.9	519.7	586.4
-35°	0.0	22.5	64.5	117.1	175.0	237.3	301.5	366.7	434.7	502.1	568.1
-37.5°	0.0	21.8	61.6	112.3	167.2	227.3	289.3	352.6	417.7	483.1	547.3
-40°	0.0	21.1	58.5	107.2	159.0	217.0	276.4	337.5	399.8	462.9	525.0
-42.5°	0.0	20.3	55.3	101.7	150.9	206.2	262.6	321.4	381.3	442.0	501.9
-45°	0.0	19.4	51.8	95.7	143.0	194.9	248.2	304.5	361.9	420.0	477.8
-47.5°	0.0	18.6	48.2	89.5	134.6	183.2	233.0	286.7	341.5	397.1	452.3
-50°	0.0	17.7	44.3	83.4	125.9	171.1	218.3	268.1	320.3	373.3	425.8
-52.5°	0.0	16.7	40.3	77.2	116.8	158.7	203.4	248.6	298.3	348.6	398.3
-55°	0.0	15.8	36.2	70.8	107.3	146.6	188.1	228.7	275.3	323.1	370.0
-57.5°	0.0	14.8	31.9	64.3	97.5	134.2	172.4	210.6	251.5	296.3	340.8
-60°	0.0	13.7	27.5	57.5	87.4	121.4	156.4	192.1	227.6	268.4	310.4
-62.5°	0.0	12.7	25.4	50.6	78.2	108.3	140.5	173.1	205.6	239.6	278.2
-65°	0.0	11.6	23.2	43.5	68.8	94.8	124.1	153.6	183.0	213.1	245.1
-67.5°	0.0	10.5	21.0	36.3	59.2	81.9	107.3	133.8	159.9	186.8	214.2
-70°	0.0	9.4	18.8	28.9	49.4	69.7	90.1	113.7	137.0	159.9	184.0
-72.5°	0.0	8.3	16.5	24.7	39.4	57.3	74.9	93.3	113.7	133.8	153.6
-75°	0.0	7.1	14.2	21.3	29.3	44.7	59.9	75.2	90.1	107.4	124.4
-77.5°	0.0	6.0	11.9	17.8	23.7	32.0	44.7	57.8	70.4	82.3	95.0
-80°	0.0	4.8	9.5	14.3	19.0	23.7	29.3	40.4	51.0	61.0	70.5
-82.5°	0.0	3.6	7.2	10.7	14.3	17.8	21.3	25.9	31.5	39.7	47.5
-85°	0.0	2.4	4.8	7.2	9.5	11.9	14.2	17.3	20.6	24.1	27.8
-87.5°	0.0	1.2	2.4	3.6	4.8	6.0	7.1	8.7	10.3	12.1	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



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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°	15.2	16.5	17.7	18.9	20.1	21.2	22.3	23.3	24.3	25.3	26.2
85°	30.4	33.0	37.3	41.8	46.1	50.2	54.2	58.0	61.6	65.1	68.4
82.5°	54.5	61.6	68.8	76.2	82.7	88.9	95.0	101.2	107.4	113.6	119.8
80°	80.1	90.0	101.4	112.1	121.6	130.5	139.2	147.5	156.6	166.2	176.1
77.5°	109.7	123.8	137.1	149.5	161.5	174.6	187.2	199.4	212.0	224.5	236.5
75°	141.4	157.5	174.5	191.2	207.4	223.2	238.5	254.2	270.0	285.7	300.7
72.5°	174.1	194.6	214.6	234.1	254.3	273.9	292.9	311.2	330.1	349.4	367.8
70°	208.1	231.5	256.2	280.0	302.7	325.6	348.8	371.2	393.0	415.3	437.5
67.5°	242.4	271.8	299.5	326.0	352.8	379.8	405.9	432.6	458.5	484.5	509.3
65°	280.2	312.3	342.6	372.9	403.3	435.0	465.9	495.7	525.7	554.7	580.8
62.5°	317.2	351.3	384.9	419.4	455.6	491.2	524.9	559.1	594.0	624.4	650.8
60°	351.3	389.1	426.7	466.0	506.0	544.3	582.1	619.3	656.8	691.8	713.3
57.5°	384.1	426.0	467.7	510.0	552.1	594.9	634.6	675.5	710.4	739.8	764.8
55°	416.2	461.6	506.1	550.4	595.9	640.6	683.9	722.7	756.7	781.3	805.4
52.5°	447.4	495.3	541.1	589.1	637.5	684.9	730.1	766.1	794.0	819.1	841.6
50°	477.6	526.3	574.8	626.7	677.8	728.0	770.5	802.0	830.4	854.9	878.5
47.5°	505.9	556.7	608.5	663.1	716.9	765.4	804.4	837.4	866.5	892.9	920.8
45°	533.2	587.1	641.8	698.2	753.1	800.0	837.6	873.2	900.3	930.1	962.1
42.5°	559.6	616.2	673.6	731.8	787.3	831.1	868.8	901.4	933.2	968.5	1007.2
40°	584.8	643.8	703.6	764.3	819.6	858.4	895.2	929.8	968.5	1010.5	1055.3
37.5°	608.4	669.7	731.8	794.8	843.4	883.3	921.0	959.5	1004.6	1053.2	1114.1
35°	630.5	693.8	758.0	818.4	864.6	907.0	946.0	989.0	1041.6	1105.1	1183.1
32.5°	650.9	716.0	782.1	837.6	884.2	928.2	968.3	1021.9	1085.2	1160.8	1271.1
30°	669.8	736.4	802.8	856.4	901.9	946.1	994.9	1055.3	1129.2	1239.6	1380.8
27.5°	687.3	755.0	818.9	872.1	917.7	963.3	1020.4	1093.6	1190.9	1322.6	1498.1
25°	703.3	772.6	834.5	885.2	932.3	982.9	1044.9	1127.2	1255.2	1425.3	1662.5
22.5°	717.8	788.6	849.3	896.5	946.1	1000.8	1073.2	1176.1	1323.7	1522.2	1828.3
20°	730.8	800.7	860.4	907.2	958.7	1015.6	1098.4	1222.5	1400.5	1657.6	2048.3
17.5°	742.2	811.3	868.7	917.6	971.1	1032.4	1122.9	1262.7	1468.7	1775.7	2270.6
15°	751.9	820.3	875.8	926.4	981.8	1051.7	1157.0	1315.2	1547.9	1898.5	2464.4
12.5°	760.0	827.7	881.5	933.6	990.7	1067.8	1186.2	1364.7	1630.2	2049.4	2750.0
10°	766.4	833.6	885.9	939.2	997.6	1080.7	1209.9	1405.3	1698.4	2180.1	2993.6
7.5°	772.3	837.9	889.0	943.1	1002.5	1090.3	1228.0	1436.5	1750.6	2282.8	3186.5
5°	776.6	840.5	890.7	945.4	1006.7	1096.5	1240.2	1458.2	1786.7	2356.2	3322.1
2.5°	779.2	841.3	891.0	946.0	1009.7	1099.4	1246.6	1470.1	1815.1	2390.9	3395.0
0°	780.1	840.5	890.0	944.9	1010.8	1098.7	1247.0	1472.3	1829.4	2389.7	3406.0
-2.5°	779.2	841.3	891.0	946.0	1009.7	1099.4	1246.6	1470.1	1815.1	2390.9	3395.0
-5°	776.6	840.5	890.7	945.4	1006.7	1096.5	1240.2	1458.2	1786.7	2356.2	3322.1
-7.5°	772.3	837.9	889.0	943.1	1002.5	1090.3	1228.0	1436.5	1750.6	2282.8	3186.5
-10°	766.4	833.6	885.9	939.2	997.6	1080.7	1209.9	1405.3	1698.4	2180.1	2993.6
-12.5°	760.0	827.7	881.5	933.6	990.7	1067.8	1186.2	1364.7	1630.2	2049.4	2750.0
-15°	751.9	820.3	875.8	926.4	981.8	1051.7	1157.0	1315.2	1547.9	1898.5	2464.4
-17.5°	742.2	811.3	868.7	917.6	971.1	1032.4	1122.9	1262.7	1468.7	1775.7	2270.6
-20°	730.8	800.7	860.4	907.2	958.7	1015.6	1098.4	1222.5	1400.5	1657.6	2048.3

Classified

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P627437 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-727-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	717.8	788.6	849.3	896.5	946.1	1000.8	1073.2	1176.1	1323.7	1522.2	1828.3
-25°	703.3	772.6	834.5	885.2	932.3	982.9	1044.9	1127.2	1255.2	1425.3	1662.5
-27.5°	687.3	755.0	818.9	872.1	917.7	963.3	1020.4	1093.6	1190.9	1322.6	1498.1
-30°	669.8	736.4	802.8	856.4	901.9	946.1	994.9	1055.3	1129.2	1239.6	1380.8
-32.5°	650.9	716.0	782.1	837.6	884.2	928.2	968.3	1021.9	1085.2	1160.8	1271.1
-35°	630.5	693.8	758.0	818.4	864.6	907.0	946.0	989.0	1041.6	1105.1	1183.1
-37.5°	608.4	669.7	731.8	794.8	843.4	883.3	921.0	959.5	1004.6	1053.2	1114.1
-40°	584.8	643.8	703.6	764.3	819.6	858.4	895.2	929.8	968.5	1010.5	1055.3
-42.5°	559.6	616.2	673.6	731.8	787.3	831.1	868.8	901.4	933.2	968.5	1007.2
-45°	533.2	587.1	641.8	698.2	753.1	800.0	837.6	873.2	900.3	930.1	962.1
-47.5°	505.9	556.7	608.5	663.1	716.9	765.4	804.4	837.4	866.5	892.9	920.8
-50°	477.6	526.3	574.8	626.7	677.8	728.0	770.5	802.0	830.4	854.9	878.5
-52.5°	447.4	495.3	541.1	589.1	637.5	684.9	730.1	766.1	794.0	819.1	841.6
-55°	416.2	461.6	506.1	550.4	595.9	640.6	683.9	722.7	756.7	781.3	805.4
-57.5°	384.1	426.0	467.7	510.0	552.1	594.9	634.6	675.5	710.4	739.8	764.8
-60°	351.3	389.1	426.7	466.0	506.0	544.3	582.1	619.3	656.8	691.8	713.3
-62.5°	317.2	351.3	384.9	419.4	455.6	491.2	524.9	559.1	594.0	624.4	650.8
-65°	280.2	312.3	342.6	372.9	403.3	435.0	465.9	495.7	525.7	554.7	580.8
-67.5°	242.4	271.8	299.5	326.0	352.8	379.8	405.9	432.6	458.5	484.5	509.3
-70°	208.1	231.5	256.2	280.0	302.7	325.6	348.8	371.2	393.0	415.3	437.5
-72.5°	174.1	194.6	214.6	234.1	254.3	273.9	292.9	311.2	330.1	349.4	367.8
-75°	141.4	157.5	174.5	191.2	207.4	223.2	238.5	254.2	270.0	285.7	300.7
-77.5°	109.7	123.8	137.1	149.5	161.5	174.6	187.2	199.4	212.0	224.5	236.5
-80°	80.1	90.0	101.4	112.1	121.6	130.5	139.2	147.5	156.6	166.2	176.1
-82.5°	54.5	61.6	68.8	76.2	82.7	88.9	95.0	101.2	107.4	113.6	119.8
-85°	30.4	33.0	37.3	41.8	46.1	50.2	54.2	58.0	61.6	65.1	68.4
-87.5°	15.2	16.5	17.7	18.9	20.1	21.2	22.3	23.3	24.3	25.3	26.2
-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: P627437 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-727-U-MWR-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°	27.0	26.7	26.2	25.6	24.9	26.7	28.4	30.2	31.9	30.9	29.8
85°	71.5	73.1	74.5	75.6	76.6	80.0	83.3	86.4	89.2	89.2	88.8
82.5°	125.8	129.9	133.3	136.5	139.2	143.2	146.8	149.9	152.5	154.5	156.2
80°	185.4	192.0	197.6	202.7	207.3	212.6	217.5	221.8	225.6	227.7	229.0
77.5°	248.3	258.0	266.5	274.7	282.5	290.2	297.2	303.5	308.9	310.2	309.9
75°	315.0	327.9	340.0	351.2	361.6	370.5	378.0	384.3	389.5	392.1	393.5
72.5°	385.3	401.1	415.4	428.2	439.2	448.4	456.3	463.2	469.0	472.7	474.9
70°	458.5	477.3	491.9	504.0	513.4	522.5	532.8	542.5	551.7	556.8	558.8
67.5°	532.0	551.4	564.9	575.8	584.5	593.4	606.3	617.9	628.3	635.2	639.7
65°	603.9	624.4	637.8	648.4	656.3	665.3	679.7	691.2	699.9	706.9	713.2
62.5°	674.9	695.6	710.6	723.1	734.6	744.5	756.3	766.0	773.5	780.4	788.2
60°	736.5	761.0	776.7	789.4	803.7	819.1	827.8	835.1	841.4	846.9	851.7
57.5°	786.7	808.6	828.8	844.1	859.0	873.3	883.6	890.4	895.9	900.0	901.6
55°	828.8	851.4	874.0	890.5	905.1	918.5	929.8	938.6	946.0	951.8	953.1
52.5°	866.6	891.9	914.0	933.1	952.4	968.2	980.6	992.7	1003.2	1011.7	1015.3
50°	907.5	934.1	961.7	987.2	1007.8	1025.9	1040.9	1058.0	1075.9	1090.7	1100.1
47.5°	950.7	981.3	1014.6	1046.0	1070.4	1097.2	1122.2	1147.5	1180.8	1208.8	1229.6
45°	995.8	1035.1	1073.1	1113.0	1146.7	1197.3	1244.1	1284.4	1337.8	1386.3	1424.8
42.5°	1049.1	1098.0	1144.6	1208.7	1275.8	1344.7	1419.2	1482.7	1566.3	1651.4	1720.1
40°	1112.2	1174.7	1256.9	1343.0	1448.8	1543.6	1672.1	1786.7	1914.9	2077.1	2211.1
37.5°	1188.2	1284.5	1398.9	1518.7	1683.8	1841.5	2054.0	2278.0	2481.2	2793.1	3055.6
35°	1287.0	1421.5	1572.1	1784.2	2017.8	2313.4	2644.9	3077.5	3448.4	3974.7	4477.6
32.5°	1414.1	1587.1	1833.0	2160.5	2505.8	3042.4	3568.5	4319.6	5015.1	5849.2	6749.3
30°	1555.6	1819.0	2194.6	2643.8	3288.0	4077.4	5004.8	6158.4	7420.9	8593.2	9748.3
27.5°	1760.7	2138.0	2631.6	3356.4	4360.4	5464.7	7089.6	8655.6	10289.4	11741.8	12953.1
25°	2000.2	2498.8	3262.0	4329.3	5687.1	7578.1	9523.2	11455.9	13213.0	14733.5	16071.9
22.5°	2309.4	3026.6	4043.9	5426.5	7540.8	9807.3	12088.1	14220.0	16094.3	17787.4	19236.1
20°	2645.8	3543.2	4996.0	7057.7	9475.5	12057.7	14633.1	16903.9	18967.7	20887.4	22520.2
17.5°	3072.1	4328.8	6168.7	8641.8	11437.2	14266.4	16971.9	19436.3	21777.6	23809.1	25515.1
15°	3435.4	5020.8	7422.0	10322.5	13346.1	16330.6	19186.9	21863.7	24297.9	26382.2	27986.1
12.5°	3920.0	5796.2	8534.7	11767.3	15043.9	18184.2	21192.8	23959.4	26436.7	28498.1	29746.6
10°	4378.1	6599.0	9610.2	12981.4	16385.5	19731.3	22943.7	25781.1	28081.2	29721.0	30785.0
7.5°	4767.6	7289.0	10485.0	13962.7	17451.4	20949.5	24201.2	26962.0	29082.7	30452.2	31192.9
5°	5058.4	7804.8	11134.4	14760.1	18340.0	21899.5	25125.9	27717.5	29550.5	30567.8	30939.7
2.5°	5243.7	8107.7	11511.3	15283.3	18934.7	22500.6	25760.1	28311.2	29866.3	30540.6	30604.6
0°	5317.8	8146.9	11569.4	15557.7	19084.6	22671.9	25940.5	28555.4	29983.8	30538.6	30527.6
-2.5°	5243.7	8107.7	11511.3	15283.3	18934.7	22500.6	25760.1	28311.2	29866.3	30540.6	30604.6
-5°	5058.4	7804.8	11134.4	14760.1	18340.0	21899.5	25125.9	27717.5	29550.5	30567.8	30939.7
-7.5°	4767.6	7289.0	10485.0	13962.7	17451.4	20949.5	24201.2	26962.0	29082.7	30452.2	31192.9
-10°	4378.1	6599.0	9610.2	12981.4	16385.5	19731.3	22943.7	25781.1	28081.2	29721.0	30785.0
-12.5°	3920.0	5796.2	8534.7	11767.3	15043.9	18184.2	21192.8	23959.4	26436.7	28498.1	29746.6
-15°	3435.4	5020.8	7422.0	10322.5	13346.1	16330.6	19186.9	21863.7	24297.9	26382.2	27986.1
-17.5°	3072.1	4328.8	6168.7	8641.8	11437.2	14266.4	16971.9	19436.3	21777.6	23809.1	25515.1
-20°	2645.8	3543.2	4996.0	7057.7	9475.5	12057.7	14633.1	16903.9	18967.7	20887.4	22520.2

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Cooper Lighting Solutions Photometric Lab
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Scaled Data Report



REPORT NUMBER: P627437 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-727-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2309.4	3026.6	4043.9	5426.5	7540.8	9807.3	12088.1	14220.0	16094.3	17787.4	19236.1
-25°	2000.2	2498.8	3262.0	4329.3	5687.1	7578.1	9523.2	11455.9	13213.0	14733.5	16071.9
-27.5°	1760.7	2138.0	2631.6	3356.4	4360.4	5464.7	7089.6	8655.6	10289.4	11741.8	12953.1
-30°	1555.6	1819.0	2194.6	2643.8	3288.0	4077.4	5004.8	6158.4	7420.9	8593.2	9748.3
-32.5°	1414.1	1587.1	1833.0	2160.5	2505.8	3042.4	3568.5	4319.6	5015.1	5849.2	6749.3
-35°	1287.0	1421.5	1572.1	1784.2	2017.8	2313.4	2644.9	3077.5	3448.4	3974.7	4477.6
-37.5°	1188.2	1284.5	1398.9	1518.7	1683.8	1841.5	2054.0	2278.0	2481.2	2793.1	3055.6
-40°	1112.2	1174.7	1256.9	1343.0	1448.8	1543.6	1672.1	1786.7	1914.9	2077.1	2211.1
-42.5°	1049.1	1098.0	1144.6	1208.7	1275.8	1344.7	1419.2	1482.7	1566.3	1651.4	1720.1
-45°	995.8	1035.1	1073.1	1113.0	1146.7	1197.3	1244.1	1284.4	1337.8	1386.3	1424.8
-47.5°	950.7	981.3	1014.6	1046.0	1070.4	1097.2	1122.2	1147.5	1180.8	1208.8	1229.6
-50°	907.5	934.1	961.7	987.2	1007.8	1025.9	1040.9	1058.0	1075.9	1090.7	1100.1
-52.5°	866.6	891.9	914.0	933.1	952.4	968.2	980.6	992.7	1003.2	1011.7	1015.3
-55°	828.8	851.4	874.0	890.5	905.1	918.5	929.8	938.6	946.0	951.8	953.1
-57.5°	786.7	808.6	828.8	844.1	859.0	873.3	883.6	890.4	895.9	900.0	901.6
-60°	736.5	761.0	776.7	789.4	803.7	819.1	827.8	835.1	841.4	846.9	851.7
-62.5°	674.9	695.6	710.6	723.1	734.6	744.5	756.3	766.0	773.5	780.4	788.2
-65°	603.9	624.4	637.8	648.4	656.3	665.3	679.7	691.2	699.9	706.9	713.2
-67.5°	532.0	551.4	564.9	575.8	584.5	593.4	606.3	617.9	628.3	635.2	639.7
-70°	458.5	477.3	491.9	504.0	513.4	522.5	532.8	542.5	551.7	556.8	558.8
-72.5°	385.3	401.1	415.4	428.2	439.2	448.4	456.3	463.2	469.0	472.7	474.9
-75°	315.0	327.9	340.0	351.2	361.6	370.5	378.0	384.3	389.5	392.1	393.5
-77.5°	248.3	258.0	266.5	274.7	282.5	290.2	297.2	303.5	308.9	310.2	309.9
-80°	185.4	192.0	197.6	202.7	207.3	212.6	217.5	221.8	225.6	227.7	229.0
-82.5°	125.8	129.9	133.3	136.5	139.2	143.2	146.8	149.9	152.5	154.5	156.2
-85°	71.5	73.1	74.5	75.6	76.6	80.0	83.3	86.4	89.2	89.2	88.8
-87.5°	27.0	26.7	26.2	25.6	24.9	26.7	28.4	30.2	31.9	30.9	29.8
-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: P627437 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4D-727-U-MWR-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°	28.6	27.4	27.5	27.5	27.5	27.4	28.6	29.8	30.9	31.9	30.2
85°	88.3	87.4	85.1	82.4	85.1	87.4	88.3	88.8	89.2	89.2	86.4
82.5°	157.5	158.5	156.4	153.8	156.4	158.5	157.5	156.2	154.5	152.5	149.9
80°	229.6	229.6	227.7	225.2	227.7	229.6	229.6	229.0	227.7	225.6	221.8
77.5°	308.6	306.3	307.2	307.6	307.2	306.3	308.6	309.9	310.2	308.9	303.5
75°	394.0	393.6	392.3	390.0	392.3	393.6	394.0	393.5	392.1	389.5	384.3
72.5°	476.0	475.9	474.7	472.4	474.7	475.9	476.0	474.9	472.7	469.0	463.2
70°	559.2	558.2	559.6	560.3	559.6	558.2	559.2	558.8	556.8	551.7	542.5
67.5°	643.1	645.3	644.9	642.7	644.9	645.3	643.1	639.7	635.2	628.3	617.9
65°	718.2	722.0	724.3	725.1	724.3	722.0	718.2	713.2	706.9	699.9	691.2
62.5°	794.2	798.6	798.9	796.6	798.9	798.6	794.2	788.2	780.4	773.5	766.0
60°	854.3	855.0	854.0	851.5	854.0	855.0	854.3	851.7	846.9	841.4	835.1
57.5°	901.5	900.0	898.0	895.4	898.0	900.0	901.5	901.6	900.0	895.9	890.4
55°	952.4	949.8	947.5	944.9	947.5	949.8	952.4	953.1	951.8	946.0	938.6
52.5°	1016.1	1014.7	1013.2	1010.8	1013.2	1014.7	1016.1	1015.3	1011.7	1003.2	992.7
50°	1104.8	1106.2	1106.1	1104.2	1106.1	1106.2	1104.8	1100.1	1090.7	1075.9	1058.0
47.5°	1242.7	1250.1	1255.0	1258.0	1255.0	1250.1	1242.7	1229.6	1208.8	1180.8	1147.5
45°	1449.5	1464.2	1474.6	1483.3	1474.6	1464.2	1449.5	1424.8	1386.3	1337.8	1284.4
42.5°	1768.5	1801.3	1816.9	1812.9	1816.9	1801.3	1768.5	1720.1	1651.4	1566.3	1482.7
40°	2300.4	2353.4	2382.8	2406.2	2382.8	2353.4	2300.4	2211.1	2077.1	1914.9	1786.7
37.5°	3234.8	3337.7	3391.9	3439.0	3391.9	3337.7	3234.8	3055.6	2793.1	2481.2	2278.0
35°	4853.3	5084.8	5208.7	5251.8	5208.7	5084.8	4853.3	4477.6	3974.7	3448.4	3077.5
32.5°	7449.7	7876.7	8112.9	8295.3	8112.9	7876.7	7449.7	6749.3	5849.2	5015.1	4319.6
30°	10663.0	11225.4	11537.8	11690.3	11537.8	11225.4	10663.0	9748.3	8593.2	7420.9	6158.4
27.5°	13957.0	14596.4	14933.2	14915.0	14933.2	14596.4	13957.0	12953.1	11741.8	10289.4	8655.6
25°	17219.2	17959.8	18295.3	18595.6	18295.3	17959.8	17219.2	16071.9	14733.5	13213.0	11455.9
22.5°	20518.5	21384.5	21857.0	22078.6	21857.0	21384.5	20518.5	19236.1	17787.4	16094.3	14220.0
20°	23778.6	24742.6	25244.2	25462.6	25244.2	24742.6	23778.6	22520.2	20887.4	18967.7	16903.9
17.5°	26669.9	27610.9	28089.1	28291.8	28089.1	27610.9	26669.9	25515.1	23809.1	21777.6	19436.3
15°	28978.6	29672.7	30079.3	30187.0	30079.3	29672.7	28978.6	27986.1	26382.2	24297.9	21863.7
12.5°	30574.5	30843.4	31038.9	31099.0	31038.9	30843.4	30574.5	29746.6	28498.1	26436.7	23959.4
10°	31390.4	31269.1	31218.9	31225.3	31218.9	31269.1	31390.4	30785.0	29721.0	28081.2	25781.1
7.5°	31334.3	31154.6	30793.8	30736.4	30793.8	31154.6	31334.3	31192.9	30452.2	29082.7	26962.0
5°	30884.1	30557.0	29958.2	29786.0	29958.2	30557.0	30884.1	30939.7	30567.8	29550.5	27717.5
2.5°	30359.4	29769.8	29218.1	28863.1	29218.1	29769.8	30359.4	30604.6	30540.6	29866.3	28311.2
0°	30203.5	29522.3	28808.1	28577.4	28808.1	29522.3	30203.5	30527.6	30538.6	29983.8	28555.4
-2.5°	30359.4	29769.8	29218.1	28863.1	29218.1	29769.8	30359.4	30604.6	30540.6	29866.3	28311.2
-5°	30884.1	30557.0	29958.2	29786.0	29958.2	30557.0	30884.1	30939.7	30567.8	29550.5	27717.5
-7.5°	31334.3	31154.6	30793.8	30736.4	30793.8	31154.6	31334.3	31192.9	30452.2	29082.7	26962.0
-10°	31390.4	31269.1	31218.9	31225.3	31218.9	31269.1	31390.4	30785.0	29721.0	28081.2	25781.1
-12.5°	30574.5	30843.4	31038.9	31099.0	31038.9	30843.4	30574.5	29746.6	28498.1	26436.7	23959.4
-15°	28978.6	29672.7	30079.3	30187.0	30079.3	29672.7	28978.6	27986.1	26382.2	24297.9	21863.7
-17.5°	26669.9	27610.9	28089.1	28291.8	28089.1	27610.9	26669.9	25515.1	23809.1	21777.6	19436.3
-20°	23778.6	24742.6	25244.2	25462.6	25244.2	24742.6	23778.6	22520.2	20887.4	18967.7	16903.9

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REPORT NUMBER: P627437 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-727-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20518.5	21384.5	21857.0	22078.6	21857.0	21384.5	20518.5	19236.1	17787.4	16094.3	14220.0
-25°	17219.2	17959.8	18295.3	18595.6	18295.3	17959.8	17219.2	16071.9	14733.5	13213.0	11455.9
-27.5°	13957.0	14596.4	14933.2	14915.0	14933.2	14596.4	13957.0	12953.1	11741.8	10289.4	8655.6
-30°	10663.0	11225.4	11537.8	11690.3	11537.8	11225.4	10663.0	9748.3	8593.2	7420.9	6158.4
-32.5°	7449.7	7876.7	8112.9	8295.3	8112.9	7876.7	7449.7	6749.3	5849.2	5015.1	4319.6
-35°	4853.3	5084.8	5208.7	5251.8	5208.7	5084.8	4853.3	4477.6	3974.7	3448.4	3077.5
-37.5°	3234.8	3337.7	3391.9	3439.0	3391.9	3337.7	3234.8	3055.6	2793.1	2481.2	2278.0
-40°	2300.4	2353.4	2382.8	2406.2	2382.8	2353.4	2300.4	2211.1	2077.1	1914.9	1786.7
-42.5°	1768.5	1801.3	1816.9	1812.9	1816.9	1801.3	1768.5	1720.1	1651.4	1566.3	1482.7
-45°	1449.5	1464.2	1474.6	1483.3	1474.6	1464.2	1449.5	1424.8	1386.3	1337.8	1284.4
-47.5°	1242.7	1250.1	1255.0	1258.0	1255.0	1250.1	1242.7	1229.6	1208.8	1180.8	1147.5
-50°	1104.8	1106.2	1106.1	1104.2	1106.1	1106.2	1104.8	1100.1	1090.7	1075.9	1058.0
-52.5°	1016.1	1014.7	1013.2	1010.8	1013.2	1014.7	1016.1	1015.3	1011.7	1003.2	992.7
-55°	952.4	949.8	947.5	944.9	947.5	949.8	952.4	953.1	951.8	946.0	938.6
-57.5°	901.5	900.0	898.0	895.4	898.0	900.0	901.5	901.6	900.0	895.9	890.4
-60°	854.3	855.0	854.0	851.5	854.0	855.0	854.3	851.7	846.9	841.4	835.1
-62.5°	794.2	798.6	798.9	796.6	798.9	798.6	794.2	788.2	780.4	773.5	766.0
-65°	718.2	722.0	724.3	725.1	724.3	722.0	718.2	713.2	706.9	699.9	691.2
-67.5°	643.1	645.3	644.9	642.7	644.9	645.3	643.1	639.7	635.2	628.3	617.9
-70°	559.2	558.2	559.6	560.3	559.6	558.2	559.2	558.8	556.8	551.7	542.5
-72.5°	476.0	475.9	474.7	472.4	474.7	475.9	476.0	474.9	472.7	469.0	463.2
-75°	394.0	393.6	392.3	390.0	392.3	393.6	394.0	393.5	392.1	389.5	384.3
-77.5°	308.6	306.3	307.2	307.6	307.2	306.3	308.6	309.9	310.2	308.9	303.5
-80°	229.6	229.6	227.7	225.2	227.7	229.6	229.6	229.0	227.7	225.6	221.8
-82.5°	157.5	158.5	156.4	153.8	156.4	158.5	157.5	156.2	154.5	152.5	149.9
-85°	88.3	87.4	85.1	82.4	85.1	87.4	88.3	88.8	89.2	89.2	86.4
-87.5°	28.6	27.4	27.5	27.5	27.5	27.4	28.6	29.8	30.9	31.9	30.2
-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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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°	28.4	26.7	24.9	25.6	26.2	26.7	27.0	26.2	25.3	24.3	23.3
85°	83.3	80.0	76.6	75.6	74.5	73.1	71.5	68.4	65.1	61.6	58.0
82.5°	146.8	143.2	139.2	136.5	133.3	129.9	125.8	119.8	113.6	107.4	101.2
80°	217.5	212.6	207.3	202.7	197.6	192.0	185.4	176.1	166.2	156.6	147.5
77.5°	297.2	290.2	282.5	274.7	266.5	258.0	248.3	236.5	224.5	212.0	199.4
75°	378.0	370.5	361.6	351.2	340.0	327.9	315.0	300.7	285.7	270.0	254.2
72.5°	456.3	448.4	439.2	428.2	415.4	401.1	385.3	367.8	349.4	330.1	311.2
70°	532.8	522.5	513.4	504.0	491.9	477.3	458.5	437.5	415.3	393.0	371.2
67.5°	606.3	593.4	584.5	575.8	564.9	551.4	532.0	509.3	484.5	458.5	432.6
65°	679.7	665.3	656.3	648.4	637.8	624.4	603.9	580.8	554.7	525.7	495.7
62.5°	756.3	744.5	734.6	723.1	710.6	695.6	674.9	650.8	624.4	594.0	559.1
60°	827.8	819.1	803.7	789.4	776.7	761.0	736.5	713.3	691.8	656.8	619.3
57.5°	883.6	873.3	859.0	844.1	828.8	808.6	786.7	764.8	739.8	710.4	675.5
55°	929.8	918.5	905.1	890.5	874.0	851.4	828.8	805.4	781.3	756.7	722.7
52.5°	980.6	968.2	952.4	933.1	914.0	891.9	866.6	841.6	819.1	794.0	766.1
50°	1040.9	1025.9	1007.8	987.2	961.7	934.1	907.5	878.5	854.9	830.4	802.0
47.5°	1122.2	1097.2	1070.4	1046.0	1014.6	981.3	950.7	920.8	892.9	866.5	837.4
45°	1244.1	1197.3	1146.7	1113.0	1073.1	1035.1	995.8	962.1	930.1	900.3	873.2
42.5°	1419.2	1344.7	1275.8	1208.7	1144.6	1098.0	1049.1	1007.2	968.5	933.2	901.4
40°	1672.1	1543.6	1448.8	1343.0	1256.9	1174.7	1112.2	1055.3	1010.5	968.5	929.8
37.5°	2054.0	1841.5	1683.8	1518.7	1398.9	1284.5	1188.2	1114.1	1053.2	1004.6	959.5
35°	2644.9	2313.4	2017.8	1784.2	1572.1	1421.5	1287.0	1183.1	1105.1	1041.6	989.0
32.5°	3568.5	3042.4	2505.8	2160.5	1833.0	1587.1	1414.1	1271.1	1160.8	1085.2	1021.9
30°	5004.8	4077.4	3288.0	2643.8	2194.6	1819.0	1555.6	1380.8	1239.6	1129.2	1055.3
27.5°	7089.6	5464.7	4360.4	3356.4	2631.6	2138.0	1760.7	1498.1	1322.6	1190.9	1093.6
25°	9523.2	7578.1	5687.1	4329.3	3262.0	2498.8	2000.2	1662.5	1425.3	1255.2	1127.2
22.5°	12088.1	9807.3	7540.8	5426.5	4043.9	3026.6	2309.4	1828.3	1522.2	1323.7	1176.1
20°	14633.1	12057.7	9475.5	7057.7	4996.0	3543.2	2645.8	2048.3	1657.6	1400.5	1222.5
17.5°	16971.9	14266.4	11437.2	8641.8	6168.7	4328.8	3072.1	2270.6	1775.7	1468.7	1262.7
15°	19186.9	16330.6	13346.1	10322.5	7422.0	5020.8	3435.4	2464.4	1898.5	1547.9	1315.2
12.5°	21192.8	18184.2	15043.9	11767.3	8534.7	5796.2	3920.0	2750.0	2049.4	1630.2	1364.7
10°	22943.7	19731.3	16385.5	12981.4	9610.2	6599.0	4378.1	2993.6	2180.1	1698.4	1405.3
7.5°	24201.2	20949.5	17451.4	13962.7	10485.0	7289.0	4767.6	3186.5	2282.8	1750.6	1436.5
5°	25125.9	21899.5	18340.0	14760.1	11134.4	7804.8	5058.4	3322.1	2356.2	1786.7	1458.2
2.5°	25760.1	22500.6	18934.7	15283.3	11511.3	8107.7	5243.7	3395.0	2390.9	1815.1	1470.1
0°	25940.5	22671.9	19084.6	15557.7	11569.4	8146.9	5317.8	3406.0	2389.7	1829.4	1472.3
-2.5°	25760.1	22500.6	18934.7	15283.3	11511.3	8107.7	5243.7	3395.0	2390.9	1815.1	1470.1
-5°	25125.9	21899.5	18340.0	14760.1	11134.4	7804.8	5058.4	3322.1	2356.2	1786.7	1458.2
-7.5°	24201.2	20949.5	17451.4	13962.7	10485.0	7289.0	4767.6	3186.5	2282.8	1750.6	1436.5
-10°	22943.7	19731.3	16385.5	12981.4	9610.2	6599.0	4378.1	2993.6	2180.1	1698.4	1405.3
-12.5°	21192.8	18184.2	15043.9	11767.3	8534.7	5796.2	3920.0	2750.0	2049.4	1630.2	1364.7
-15°	19186.9	16330.6	13346.1	10322.5	7422.0	5020.8	3435.4	2464.4	1898.5	1547.9	1315.2
-17.5°	16971.9	14266.4	11437.2	8641.8	6168.7	4328.8	3072.1	2270.6	1775.7	1468.7	1262.7
-20°	14633.1	12057.7	9475.5	7057.7	4996.0	3543.2	2645.8	2048.3	1657.6	1400.5	1222.5

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REPORT NUMBER: P627437 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12088.1	9807.3	7540.8	5426.5	4043.9	3026.6	2309.4	1828.3	1522.2	1323.7	1176.1
-25°	9523.2	7578.1	5687.1	4329.3	3262.0	2498.8	2000.2	1662.5	1425.3	1255.2	1127.2
-27.5°	7089.6	5464.7	4360.4	3356.4	2631.6	2138.0	1760.7	1498.1	1322.6	1190.9	1093.6
-30°	5004.8	4077.4	3288.0	2643.8	2194.6	1819.0	1555.6	1380.8	1239.6	1129.2	1055.3
-32.5°	3568.5	3042.4	2505.8	2160.5	1833.0	1587.1	1414.1	1271.1	1160.8	1085.2	1021.9
-35°	2644.9	2313.4	2017.8	1784.2	1572.1	1421.5	1287.0	1183.1	1105.1	1041.6	989.0
-37.5°	2054.0	1841.5	1683.8	1518.7	1398.9	1284.5	1188.2	1114.1	1053.2	1004.6	959.5
-40°	1672.1	1543.6	1448.8	1343.0	1256.9	1174.7	1112.2	1055.3	1010.5	968.5	929.8
-42.5°	1419.2	1344.7	1275.8	1208.7	1144.6	1098.0	1049.1	1007.2	968.5	933.2	901.4
-45°	1244.1	1197.3	1146.7	1113.0	1073.1	1035.1	995.8	962.1	930.1	900.3	873.2
-47.5°	1122.2	1097.2	1070.4	1046.0	1014.6	981.3	950.7	920.8	892.9	866.5	837.4
-50°	1040.9	1025.9	1007.8	987.2	961.7	934.1	907.5	878.5	854.9	830.4	802.0
-52.5°	980.6	968.2	952.4	933.1	914.0	891.9	866.6	841.6	819.1	794.0	766.1
-55°	929.8	918.5	905.1	890.5	874.0	851.4	828.8	805.4	781.3	756.7	722.7
-57.5°	883.6	873.3	859.0	844.1	828.8	808.6	786.7	764.8	739.8	710.4	675.5
-60°	827.8	819.1	803.7	789.4	776.7	761.0	736.5	713.3	691.8	656.8	619.3
-62.5°	756.3	744.5	734.6	723.1	710.6	695.6	674.9	650.8	624.4	594.0	559.1
-65°	679.7	665.3	656.3	648.4	637.8	624.4	603.9	580.8	554.7	525.7	495.7
-67.5°	606.3	593.4	584.5	575.8	564.9	551.4	532.0	509.3	484.5	458.5	432.6
-70°	532.8	522.5	513.4	504.0	491.9	477.3	458.5	437.5	415.3	393.0	371.2
-72.5°	456.3	448.4	439.2	428.2	415.4	401.1	385.3	367.8	349.4	330.1	311.2
-75°	378.0	370.5	361.6	351.2	340.0	327.9	315.0	300.7	285.7	270.0	254.2
-77.5°	297.2	290.2	282.5	274.7	266.5	258.0	248.3	236.5	224.5	212.0	199.4
-80°	217.5	212.6	207.3	202.7	197.6	192.0	185.4	176.1	166.2	156.6	147.5
-82.5°	146.8	143.2	139.2	136.5	133.3	129.9	125.8	119.8	113.6	107.4	101.2
-85°	83.3	80.0	76.6	75.6	74.5	73.1	71.5	68.4	65.1	61.6	58.0
-87.5°	28.4	26.7	24.9	25.6	26.2	26.7	27.0	26.2	25.3	24.3	23.3
-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):

	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°	22.3	21.2	20.1	18.9	17.7	16.5	15.2	13.9	12.1	10.3	8.7
85°	54.2	50.2	46.1	41.8	37.3	33.0	30.4	27.8	24.1	20.6	17.3
82.5°	95.0	88.9	82.7	76.2	68.8	61.6	54.5	47.5	39.7	31.5	25.9
80°	139.2	130.5	121.6	112.1	101.4	90.0	80.1	70.5	61.0	51.0	40.4
77.5°	187.2	174.6	161.5	149.5	137.1	123.8	109.7	95.0	82.3	70.4	57.8
75°	238.5	223.2	207.4	191.2	174.5	157.5	141.4	124.4	107.4	90.1	75.2
72.5°	292.9	273.9	254.3	234.1	214.6	194.6	174.1	153.6	133.8	113.7	93.3
70°	348.8	325.6	302.7	280.0	256.2	231.5	208.1	184.0	159.9	137.0	113.7
67.5°	405.9	379.8	352.8	326.0	299.5	271.8	242.4	214.2	186.8	159.9	133.8
65°	465.9	435.0	403.3	372.9	342.6	312.3	280.2	245.1	213.1	183.0	153.6
62.5°	524.9	491.2	455.6	419.4	384.9	351.3	317.2	278.2	239.6	205.6	173.1
60°	582.1	544.3	506.0	466.0	426.7	389.1	351.3	310.4	268.4	227.6	192.1
57.5°	634.6	594.9	552.1	510.0	467.7	426.0	384.1	340.8	296.3	251.5	210.6
55°	683.9	640.6	595.9	550.4	506.1	461.6	416.2	370.0	323.1	275.3	228.7
52.5°	730.1	684.9	637.5	589.1	541.1	495.3	447.4	398.3	348.6	298.3	248.6
50°	770.5	728.0	677.8	626.7	574.8	526.3	477.6	425.8	373.3	320.3	268.1
47.5°	804.4	765.4	716.9	663.1	608.5	556.7	505.9	452.3	397.1	341.5	286.7
45°	837.6	800.0	753.1	698.2	641.8	587.1	533.2	477.8	420.0	361.9	304.5
42.5°	868.8	831.1	787.3	731.8	673.6	616.2	559.6	501.9	442.0	381.3	321.4
40°	895.2	858.4	819.6	764.3	703.6	643.8	584.8	525.0	462.9	399.8	337.5
37.5°	921.0	883.3	843.4	794.8	731.8	669.7	608.4	547.3	483.1	417.7	352.6
35°	946.0	907.0	864.6	818.4	758.0	693.8	630.5	568.1	502.1	434.7	366.7
32.5°	968.3	928.2	884.2	837.6	782.1	716.0	650.9	586.4	519.7	450.9	379.8
30°	994.9	946.1	901.9	856.4	802.8	736.4	669.8	603.5	535.9	466.1	392.1
27.5°	1020.4	963.3	917.7	872.1	818.9	755.0	687.3	619.3	550.7	480.0	404.3
25°	1044.9	982.9	932.3	885.2	834.5	772.6	703.3	633.7	563.8	492.1	415.5
22.5°	1073.2	1000.8	946.1	896.5	849.3	788.6	717.8	646.8	575.5	502.9	425.8
20°	1098.4	1015.6	958.7	907.2	860.4	800.7	730.8	658.4	585.8	512.5	435.1
17.5°	1122.9	1032.4	971.1	917.6	868.7	811.3	742.2	668.6	594.9	520.9	443.4
15°	1157.0	1051.7	981.8	926.4	875.8	820.3	751.9	677.4	602.7	527.9	450.8
12.5°	1186.2	1067.8	990.7	933.6	881.5	827.7	760.0	684.6	609.2	534.2	457.4
10°	1209.9	1080.7	997.6	939.2	885.9	833.6	766.4	690.7	615.2	539.7	462.8
7.5°	1228.0	1090.3	1002.5	943.1	889.0	837.9	772.3	696.2	620.1	543.9	467.0
5°	1240.2	1096.5	1006.7	945.4	890.7	840.5	776.6	700.1	623.5	547.0	470.0
2.5°	1246.6	1099.4	1009.7	946.0	891.0	841.3	779.2	702.4	625.6	548.8	471.8
0°	1247.0	1098.7	1010.8	944.9	890.0	840.5	780.1	703.2	626.3	549.4	472.4
-2.5°	1246.6	1099.4	1009.7	946.0	891.0	841.3	779.2	702.4	625.6	548.8	471.8
-5°	1240.2	1096.5	1006.7	945.4	890.7	840.5	776.6	700.1	623.5	547.0	470.0
-7.5°	1228.0	1090.3	1002.5	943.1	889.0	837.9	772.3	696.2	620.1	543.9	467.0
-10°	1209.9	1080.7	997.6	939.2	885.9	833.6	766.4	690.7	615.2	539.7	462.8
-12.5°	1186.2	1067.8	990.7	933.6	881.5	827.7	760.0	684.6	609.2	534.2	457.4
-15°	1157.0	1051.7	981.8	926.4	875.8	820.3	751.9	677.4	602.7	527.9	450.8
-17.5°	1122.9	1032.4	971.1	917.6	868.7	811.3	742.2	668.6	594.9	520.9	443.4
-20°	1098.4	1015.6	958.7	907.2	860.4	800.7	730.8	658.4	585.8	512.5	435.1

Classified

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Scaled Data Report



REPORT NUMBER: P627437 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA4D-727-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1073.2	1000.8	946.1	896.5	849.3	788.6	717.8	646.8	575.5	502.9	425.8
-25°	1044.9	982.9	932.3	885.2	834.5	772.6	703.3	633.7	563.8	492.1	415.5
-27.5°	1020.4	963.3	917.7	872.1	818.9	755.0	687.3	619.3	550.7	480.0	404.3
-30°	994.9	946.1	901.9	856.4	802.8	736.4	669.8	603.5	535.9	466.1	392.1
-32.5°	968.3	928.2	884.2	837.6	782.1	716.0	650.9	586.4	519.7	450.9	379.8
-35°	946.0	907.0	864.6	818.4	758.0	693.8	630.5	568.1	502.1	434.7	366.7
-37.5°	921.0	883.3	843.4	794.8	731.8	669.7	608.4	547.3	483.1	417.7	352.6
-40°	895.2	858.4	819.6	764.3	703.6	643.8	584.8	525.0	462.9	399.8	337.5
-42.5°	868.8	831.1	787.3	731.8	673.6	616.2	559.6	501.9	442.0	381.3	321.4
-45°	837.6	800.0	753.1	698.2	641.8	587.1	533.2	477.8	420.0	361.9	304.5
-47.5°	804.4	765.4	716.9	663.1	608.5	556.7	505.9	452.3	397.1	341.5	286.7
-50°	770.5	728.0	677.8	626.7	574.8	526.3	477.6	425.8	373.3	320.3	268.1
-52.5°	730.1	684.9	637.5	589.1	541.1	495.3	447.4	398.3	348.6	298.3	248.6
-55°	683.9	640.6	595.9	550.4	506.1	461.6	416.2	370.0	323.1	275.3	228.7
-57.5°	634.6	594.9	552.1	510.0	467.7	426.0	384.1	340.8	296.3	251.5	210.6
-60°	582.1	544.3	506.0	466.0	426.7	389.1	351.3	310.4	268.4	227.6	192.1
-62.5°	524.9	491.2	455.6	419.4	384.9	351.3	317.2	278.2	239.6	205.6	173.1
-65°	465.9	435.0	403.3	372.9	342.6	312.3	280.2	245.1	213.1	183.0	153.6
-67.5°	405.9	379.8	352.8	326.0	299.5	271.8	242.4	214.2	186.8	159.9	133.8
-70°	348.8	325.6	302.7	280.0	256.2	231.5	208.1	184.0	159.9	137.0	113.7
-72.5°	292.9	273.9	254.3	234.1	214.6	194.6	174.1	153.6	133.8	113.7	93.3
-75°	238.5	223.2	207.4	191.2	174.5	157.5	141.4	124.4	107.4	90.1	75.2
-77.5°	187.2	174.6	161.5	149.5	137.1	123.8	109.7	95.0	82.3	70.4	57.8
-80°	139.2	130.5	121.6	112.1	101.4	90.0	80.1	70.5	61.0	51.0	40.4
-82.5°	95.0	88.9	82.7	76.2	68.8	61.6	54.5	47.5	39.7	31.5	25.9
-85°	54.2	50.2	46.1	41.8	37.3	33.0	30.4	27.8	24.1	20.6	17.3
-87.5°	22.3	21.2	20.1	18.9	17.7	16.5	15.2	13.9	12.1	10.3	8.7
-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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REPORT NUMBER: P627437 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	7.1	6.0	4.8	3.6	2.4	1.2	0.0
85°	14.2	11.9	9.5	7.2	4.8	2.4	0.0
82.5°	21.3	17.8	14.3	10.7	7.2	3.6	0.0
80°	29.3	23.7	19.0	14.3	9.5	4.8	0.0
77.5°	44.7	32.0	23.7	17.8	11.9	6.0	0.0
75°	59.9	44.7	29.3	21.3	14.2	7.1	0.0
72.5°	74.9	57.3	39.4	24.7	16.5	8.3	0.0
70°	90.1	69.7	49.4	28.9	18.8	9.4	0.0
67.5°	107.3	81.9	59.2	36.3	21.0	10.5	0.0
65°	124.1	94.8	68.8	43.5	23.2	11.6	0.0
62.5°	140.5	108.3	78.2	50.6	25.4	12.7	0.0
60°	156.4	121.4	87.4	57.5	27.5	13.7	0.0
57.5°	172.4	134.2	97.5	64.3	31.9	14.8	0.0
55°	188.1	146.6	107.3	70.8	36.2	15.8	0.0
52.5°	203.4	158.7	116.8	77.2	40.3	16.7	0.0
50°	218.3	171.1	125.9	83.4	44.3	17.7	0.0
47.5°	233.0	183.2	134.6	89.5	48.2	18.6	0.0
45°	248.2	194.9	143.0	95.7	51.8	19.4	0.0
42.5°	262.6	206.2	150.9	101.7	55.3	20.3	0.0
40°	276.4	217.0	159.0	107.2	58.5	21.1	0.0
37.5°	289.3	227.3	167.2	112.3	61.6	21.8	0.0
35°	301.5	237.3	175.0	117.1	64.5	22.5	0.0
32.5°	312.8	246.8	182.3	121.7	67.2	23.2	0.0
30°	323.2	255.7	189.2	125.8	69.7	23.8	0.0
27.5°	332.8	263.8	195.3	129.7	71.9	24.4	0.0
25°	341.5	271.2	200.8	133.2	74.0	24.9	0.0
22.5°	349.4	277.7	205.8	136.3	75.8	25.4	0.0
20°	356.3	283.3	210.3	139.2	77.4	25.8	0.0
17.5°	362.6	288.2	214.2	141.6	78.8	26.2	0.0
15°	368.2	292.4	217.5	143.7	80.0	26.6	0.0
12.5°	373.0	295.9	220.2	145.4	80.9	26.8	0.0
10°	377.1	298.6	222.4	146.7	81.7	27.1	0.0
7.5°	380.3	300.6	224.0	147.7	82.2	27.3	0.0
5°	382.6	301.8	225.0	148.3	82.5	27.4	0.0
2.5°	384.0	302.3	225.4	148.5	82.5	27.5	0.0
0°	384.5	302.1	225.2	148.3	82.4	27.5	0.0
-2.5°	384.0	302.3	225.4	148.5	82.5	27.5	0.0
-5°	382.6	301.8	225.0	148.3	82.5	27.4	0.0
-7.5°	380.3	300.6	224.0	147.7	82.2	27.3	0.0
-10°	377.1	298.6	222.4	146.7	81.7	27.1	0.0
-12.5°	373.0	295.9	220.2	145.4	80.9	26.8	0.0
-15°	368.2	292.4	217.5	143.7	80.0	26.6	0.0
-17.5°	362.6	288.2	214.2	141.6	78.8	26.2	0.0
-20°	356.3	283.3	210.3	139.2	77.4	25.8	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	349.4	277.7	205.8	136.3	75.8	25.4	0.0
-25°	341.5	271.2	200.8	133.2	74.0	24.9	0.0
-27.5°	332.8	263.8	195.3	129.7	71.9	24.4	0.0
-30°	323.2	255.7	189.2	125.8	69.7	23.8	0.0
-32.5°	312.8	246.8	182.3	121.7	67.2	23.2	0.0
-35°	301.5	237.3	175.0	117.1	64.5	22.5	0.0
-37.5°	289.3	227.3	167.2	112.3	61.6	21.8	0.0
-40°	276.4	217.0	159.0	107.2	58.5	21.1	0.0
-42.5°	262.6	206.2	150.9	101.7	55.3	20.3	0.0
-45°	248.2	194.9	143.0	95.7	51.8	19.4	0.0
-47.5°	233.0	183.2	134.6	89.5	48.2	18.6	0.0
-50°	218.3	171.1	125.9	83.4	44.3	17.7	0.0
-52.5°	203.4	158.7	116.8	77.2	40.3	16.7	0.0
-55°	188.1	146.6	107.3	70.8	36.2	15.8	0.0
-57.5°	172.4	134.2	97.5	64.3	31.9	14.8	0.0
-60°	156.4	121.4	87.4	57.5	27.5	13.7	0.0
-62.5°	140.5	108.3	78.2	50.6	25.4	12.7	0.0
-65°	124.1	94.8	68.8	43.5	23.2	11.6	0.0
-67.5°	107.3	81.9	59.2	36.3	21.0	10.5	0.0
-70°	90.1	69.7	49.4	28.9	18.8	9.4	0.0
-72.5°	74.9	57.3	39.4	24.7	16.5	8.3	0.0
-75°	59.9	44.7	29.3	21.3	14.2	7.1	0.0
-77.5°	44.7	32.0	23.7	17.8	11.9	6.0	0.0
-80°	29.3	23.7	19.0	14.3	9.5	4.8	0.0
-82.5°	21.3	17.8	14.3	10.7	7.2	3.6	0.0
-85°	14.2	11.9	9.5	7.2	4.8	2.4	0.0
-87.5°	7.1	6.0	4.8	3.6	2.4	1.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)