

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: P627467 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 12/7/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P627467 (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: 12/7/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GFLD-SA4D-740-U-MWR-XX  
Description: GALLEON FLOOD, FOUR LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N101  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

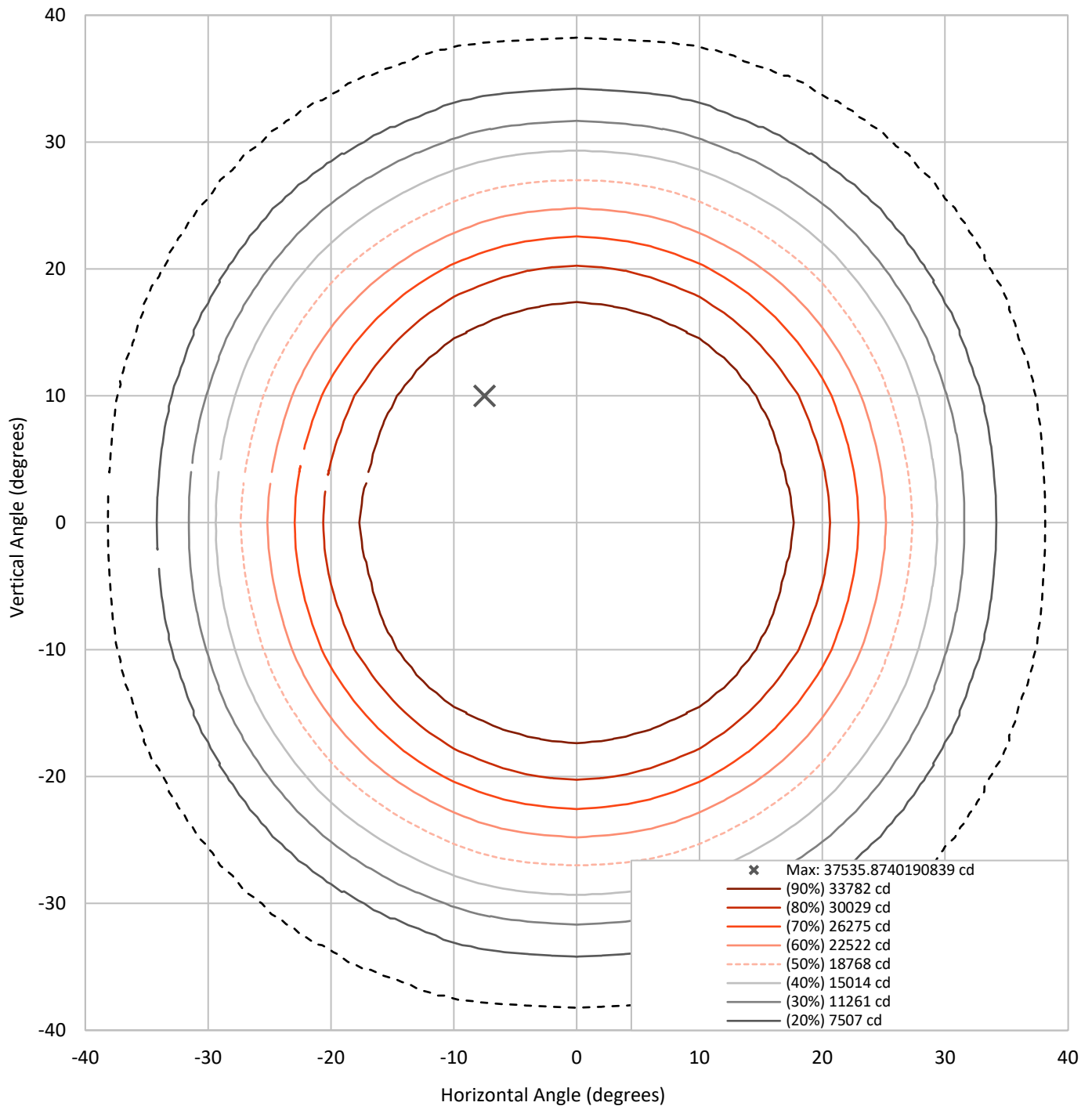
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	31946.6 lumens	Max Intensity:	37535.9 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	144.3 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:	21204.2 lumens	Field Lumens:	27571.6 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





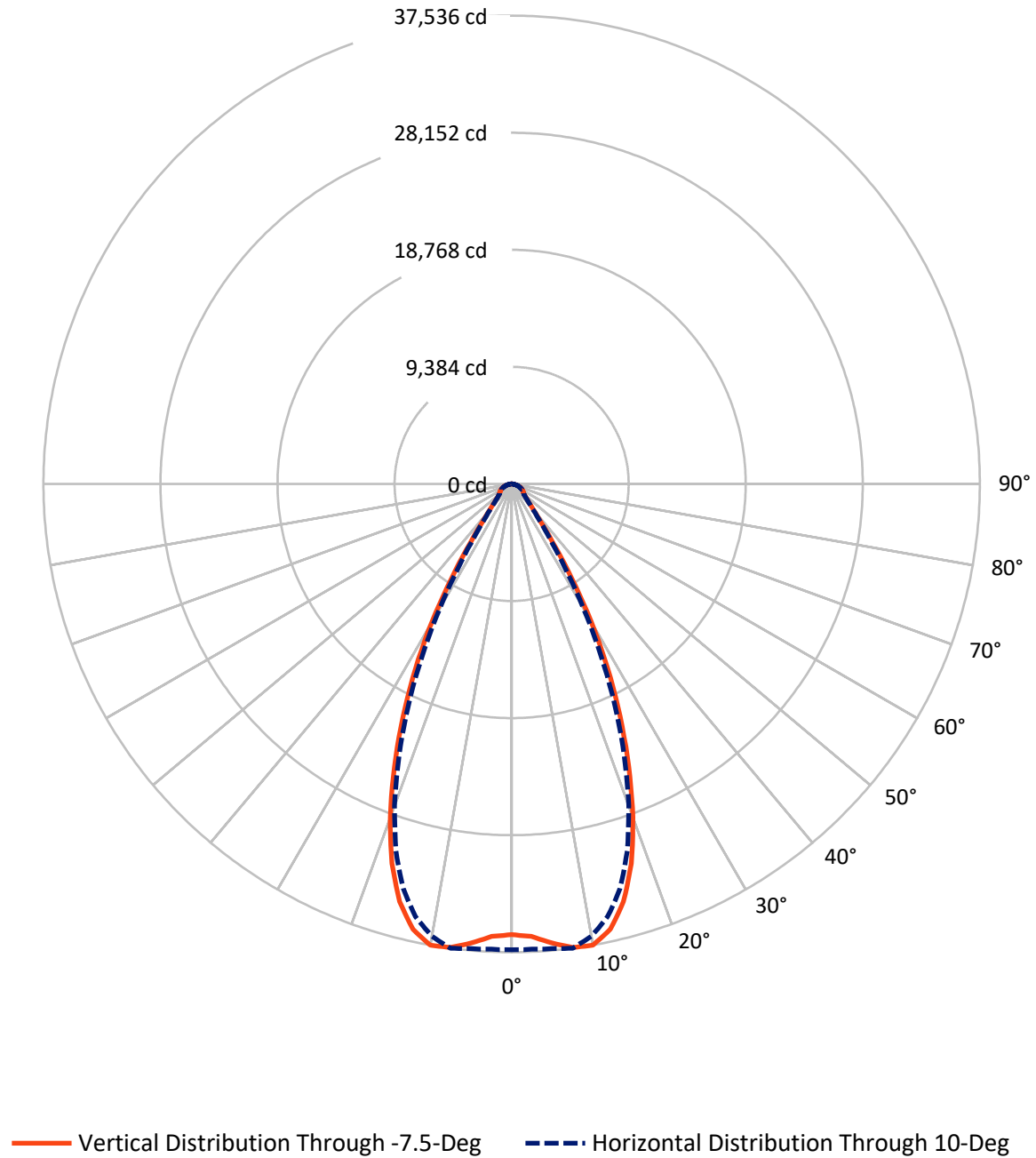
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### Lumen Table

90																			
80	0.8	7.5		20.1		31.7		35.4		31.7		20.1		7.5		0.8			
70																			
60	3.4	3.9	7.8	12.8	17.9	21.7	24.5	26.0	26.0	24.5	21.7	17.9	12.8	7.8	3.9	3.4			
50		5.8	11.5	18.4	24.6	29.8	33.4	34.8	34.8	33.4	29.8	24.6	18.4	11.5	5.8				
40	6.0	7.4	14.6	22.4	30.0	39.0	49.1	56.3	56.3	49.1	39.0	30.0	22.4	14.6	7.4	6.0			
30		8.8	17.0	25.7	39.8	72.6	139.0	206.0	206.0	139.0	72.6	39.8	25.7	17.0	8.8				
20	7.8	9.8	18.5	30.0	65.4	205.1	460.1	642.5	642.5	460.1	205.1	65.4	30.0	18.5	9.8	7.8			
10		10.5	19.5	35.7	118.3	437.2	834.9	1044.9	1044.9	834.9	437.2	118.3	35.7	19.5	10.5				
0	8.4	10.9	20.0	40.1	170.3	598.3	1012.9	1102.1	1102.1	1012.9	598.3	170.3	40.1	20.0	10.9	8.4			
-10		10.9	20.0	40.1	170.3	598.3	1012.9	1102.1	1102.1	1012.9	598.3	170.3	40.1	20.0	10.9				
-20	7.8	10.5	19.5	35.7	118.3	437.2	834.9	1044.9	1044.9	834.9	437.2	118.3	35.7	19.5	10.5	7.8			
-30		9.8	18.5	30.0	65.4	205.1	460.1	642.5	642.5	460.1	205.1	65.4	30.0	18.5	9.8				
-40	6.0	8.8	17.0	25.7	39.8	72.6	139.0	206.0	206.0	139.0	72.6	39.8	25.7	17.0	8.8	6.0			
-50		7.4	14.6	22.4	30.0	39.0	49.1	56.3	56.3	49.1	39.0	30.0	22.4	14.6	7.4				
-60	3.4	5.8	11.5	18.4	24.6	29.8	33.4	34.8	34.8	33.4	29.8	24.6	18.4	11.5	5.8	3.4			
-70		3.9	7.8	12.8	17.9	21.7	24.5	26.0	26.0	24.5	21.7	17.9	12.8	7.8	3.9				
-80																			
-90	0.8	7.5		20.1		31.7		35.4		31.7		20.1		7.5		0.8			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

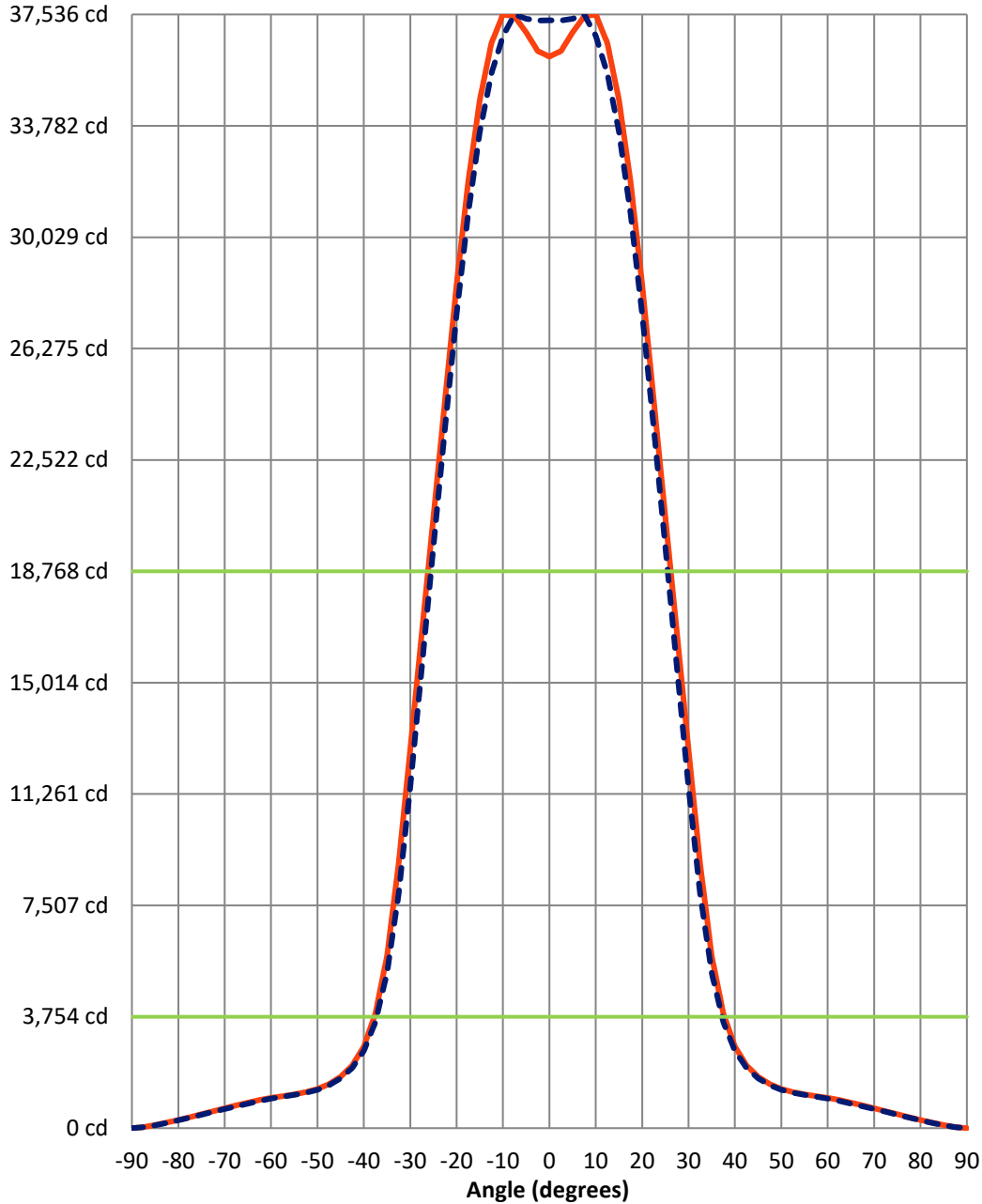
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 51°  
 V Angle: 52.3°  
 Lumens: 21204.2  
 Efficiency: 66.4%

**Field:**  
 H Angle: 74.5°  
 V Angle: 75.5°  
 Lumens: 27571.6  
 Efficiency: 86.3%

**Spill:**  
 Lumens: 4375  
 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	1.4	2.9	4.3	5.7	7.1	8.5	10.4	12.3	14.4	16.6
85°	0.0	2.9	5.7	8.6	11.4	14.2	17.0	20.7	24.6	28.8	33.2
82.5°	0.0	4.3	8.6	12.8	17.0	21.2	25.4	30.9	37.6	47.4	56.7
80°	0.0	5.7	11.4	17.0	22.7	28.3	35.0	48.3	61.0	73.0	84.2
77.5°	0.0	7.1	14.2	21.2	28.3	38.2	53.4	69.1	84.2	98.4	113.6
75°	0.0	8.5	17.0	25.4	35.0	53.4	71.6	89.9	107.8	128.5	148.8
72.5°	0.0	9.9	19.7	29.5	47.1	68.4	89.6	111.5	136.0	160.0	183.7
70°	0.0	11.2	22.4	34.5	59.0	83.3	107.8	136.0	163.8	191.2	220.1
67.5°	0.0	12.5	25.1	43.3	70.7	97.9	128.3	160.0	191.2	223.4	256.2
65°	0.0	13.9	27.7	52.0	82.2	113.3	148.4	183.7	218.9	254.9	293.1
62.5°	0.0	15.1	30.3	60.4	93.5	129.5	168.0	207.0	245.9	286.6	332.7
60°	0.0	16.4	32.8	68.7	104.5	145.2	187.1	229.8	272.2	320.9	371.2
57.5°	0.0	17.6	38.0	76.8	116.6	160.5	206.2	251.9	300.8	354.3	407.6
55°	0.0	18.8	43.2	84.7	128.3	175.3	224.9	273.6	329.3	386.4	442.4
52.5°	0.0	20.0	48.2	92.3	139.6	189.7	243.2	297.4	356.7	416.9	476.3
50°	0.0	21.1	52.9	99.7	150.5	204.6	261.1	320.6	383.1	446.4	509.2
47.5°	0.0	22.2	57.5	107.0	161.0	219.1	278.6	342.9	408.3	474.9	540.8
45°	0.0	23.2	61.9	114.4	171.0	233.1	296.8	364.2	432.8	502.3	571.3
42.5°	0.0	24.2	66.0	121.6	180.5	246.6	314.1	384.4	456.0	528.5	600.1
40°	0.0	25.1	70.0	128.2	190.1	259.5	330.5	403.6	478.1	553.6	627.8
37.5°	0.0	26.0	73.7	134.3	199.9	271.8	346.0	421.6	499.5	577.8	654.5
35°	0.0	26.9	77.1	140.1	209.2	283.8	360.5	438.5	519.9	600.4	679.3
32.5°	0.0	27.7	80.3	145.5	218.0	295.2	374.1	454.2	539.2	621.4	701.2
30°	0.0	28.4	83.3	150.5	226.2	305.7	386.6	468.9	557.4	640.8	721.6
27.5°	0.0	29.1	86.0	155.1	233.5	315.5	398.0	483.5	574.0	658.5	740.5
25°	0.0	29.7	88.4	159.3	240.1	324.3	408.5	496.9	588.4	674.2	757.7
22.5°	0.0	30.3	90.6	163.1	246.1	332.2	417.8	509.2	601.4	688.1	773.3
20°	0.0	30.8	92.5	166.4	251.5	338.9	426.1	520.3	612.9	700.5	787.3
17.5°	0.0	31.3	94.2	169.3	256.1	344.7	433.6	530.2	622.8	711.4	799.5
15°	0.0	31.7	95.6	171.8	260.1	349.7	440.3	539.1	631.2	720.7	809.9
12.5°	0.0	32.0	96.7	173.9	263.4	353.9	446.1	546.9	638.7	728.4	818.6
10°	0.0	32.3	97.6	175.5	266.0	357.1	450.9	553.4	645.3	735.6	825.9
7.5°	0.0	32.5	98.2	176.6	267.9	359.5	454.8	558.4	650.3	741.4	832.4
5°	0.0	32.7	98.6	177.3	269.0	361.0	457.5	562.0	654.0	745.6	837.1
2.5°	0.0	32.8	98.7	177.6	269.5	361.6	459.2	564.2	656.2	748.1	839.9
0°	0.0	32.8	98.5	177.4	269.3	361.3	459.8	564.9	656.9	748.9	840.8
-2.5°	0.0	32.8	98.7	177.6	269.5	361.6	459.2	564.2	656.2	748.1	839.9
-5°	0.0	32.7	98.6	177.3	269.0	361.0	457.5	562.0	654.0	745.6	837.1
-7.5°	0.0	32.5	98.2	176.6	267.9	359.5	454.8	558.4	650.3	741.4	832.4
-10°	0.0	32.3	97.6	175.5	266.0	357.1	450.9	553.4	645.3	735.6	825.9
-12.5°	0.0	32.0	96.7	173.9	263.4	353.9	446.1	546.9	638.7	728.4	818.6
-15°	0.0	31.7	95.6	171.8	260.1	349.7	440.3	539.1	631.2	720.7	809.9
-17.5°	0.0	31.3	94.2	169.3	256.1	344.7	433.6	530.2	622.8	711.4	799.5
-20°	0.0	30.8	92.5	166.4	251.5	338.9	426.1	520.3	612.9	700.5	787.3

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Scaled Data Report



REPORT NUMBER: P627467 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	30.3	90.6	163.1	246.1	332.2	417.8	509.2	601.4	688.1	773.3
-25°	0.0	29.7	88.4	159.3	240.1	324.3	408.5	496.9	588.4	674.2	757.7
-27.5°	0.0	29.1	86.0	155.1	233.5	315.5	398.0	483.5	574.0	658.5	740.5
-30°	0.0	28.4	83.3	150.5	226.2	305.7	386.6	468.9	557.4	640.8	721.6
-32.5°	0.0	27.7	80.3	145.5	218.0	295.2	374.1	454.2	539.2	621.4	701.2
-35°	0.0	26.9	77.1	140.1	209.2	283.8	360.5	438.5	519.9	600.4	679.3
-37.5°	0.0	26.0	73.7	134.3	199.9	271.8	346.0	421.6	499.5	577.8	654.5
-40°	0.0	25.1	70.0	128.2	190.1	259.5	330.5	403.6	478.1	553.6	627.8
-42.5°	0.0	24.2	66.0	121.6	180.5	246.6	314.1	384.4	456.0	528.5	600.1
-45°	0.0	23.2	61.9	114.4	171.0	233.1	296.8	364.2	432.8	502.3	571.3
-47.5°	0.0	22.2	57.5	107.0	161.0	219.1	278.6	342.9	408.3	474.9	540.8
-50°	0.0	21.1	52.9	99.7	150.5	204.6	261.1	320.6	383.1	446.4	509.2
-52.5°	0.0	20.0	48.2	92.3	139.6	189.7	243.2	297.4	356.7	416.9	476.3
-55°	0.0	18.8	43.2	84.7	128.3	175.3	224.9	273.6	329.3	386.4	442.4
-57.5°	0.0	17.6	38.0	76.8	116.6	160.5	206.2	251.9	300.8	354.3	407.6
-60°	0.0	16.4	32.8	68.7	104.5	145.2	187.1	229.8	272.2	320.9	371.2
-62.5°	0.0	15.1	30.3	60.4	93.5	129.5	168.0	207.0	245.9	286.6	332.7
-65°	0.0	13.9	27.7	52.0	82.2	113.3	148.4	183.7	218.9	254.9	293.1
-67.5°	0.0	12.5	25.1	43.3	70.7	97.9	128.3	160.0	191.2	223.4	256.2
-70°	0.0	11.2	22.4	34.5	59.0	83.3	107.8	136.0	163.8	191.2	220.1
-72.5°	0.0	9.9	19.7	29.5	47.1	68.4	89.6	111.5	136.0	160.0	183.7
-75°	0.0	8.5	17.0	25.4	35.0	53.4	71.6	89.9	107.8	128.5	148.8
-77.5°	0.0	7.1	14.2	21.2	28.3	38.2	53.4	69.1	84.2	98.4	113.6
-80°	0.0	5.7	11.4	17.0	22.7	28.3	35.0	48.3	61.0	73.0	84.2
-82.5°	0.0	4.3	8.6	12.8	17.0	21.2	25.4	30.9	37.6	47.4	56.7
-85°	0.0	2.9	5.7	8.6	11.4	14.2	17.0	20.7	24.6	28.8	33.2
-87.5°	0.0	1.4	2.9	4.3	5.7	7.1	8.5	10.4	12.3	14.4	16.6
-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°	18.2	19.7	21.2	22.6	24.0	25.3	26.6	27.9	29.0	30.2	31.3
85°	36.3	39.4	44.6	50.0	55.1	60.0	64.7	69.3	73.6	77.8	81.8
82.5°	65.1	73.6	82.3	91.2	98.9	106.3	113.6	121.0	128.5	135.9	143.3
80°	95.7	107.6	121.2	134.1	145.4	156.1	166.5	176.4	187.2	198.8	210.6
77.5°	131.1	148.0	163.9	178.8	193.1	208.8	223.9	238.5	253.6	268.5	282.8
75°	169.1	188.4	208.7	228.7	248.1	266.9	285.3	304.0	322.9	341.7	359.7
72.5°	208.2	232.7	256.7	280.0	304.1	327.6	350.3	372.2	394.8	417.8	439.8
70°	248.9	276.9	306.4	334.8	362.0	389.4	417.1	443.9	470.0	496.7	523.2
67.5°	289.9	325.0	358.2	389.8	421.8	454.1	485.4	517.4	548.3	579.4	609.0
65°	335.1	373.4	409.7	445.9	482.3	520.2	557.1	592.8	628.7	663.3	694.5
62.5°	379.4	420.1	460.3	501.5	544.8	587.3	627.7	668.6	710.3	746.6	778.2
60°	420.1	465.3	510.3	557.2	605.1	650.9	696.1	740.6	785.4	827.2	853.0
57.5°	459.4	509.4	559.3	609.8	660.2	711.4	758.9	807.7	849.4	884.6	914.5
55°	497.7	552.0	605.1	658.1	712.6	766.0	817.7	864.2	904.9	934.2	963.1
52.5°	535.0	592.2	647.1	704.5	762.3	819.0	873.0	916.1	949.5	979.5	1006.4
50°	571.1	629.4	687.3	749.4	810.6	870.5	921.4	959.0	993.0	1022.2	1050.5
47.5°	605.0	665.7	727.6	793.0	857.3	915.3	961.9	1001.4	1036.1	1067.6	1101.1
45°	637.6	702.0	767.4	834.9	900.6	956.6	1001.6	1044.2	1076.6	1112.2	1150.6
42.5°	669.2	736.9	805.5	875.2	941.5	993.9	1038.8	1077.8	1116.0	1158.2	1204.5
40°	699.3	769.8	841.4	913.9	980.1	1026.5	1070.5	1111.9	1158.2	1208.3	1261.9
37.5°	727.5	800.8	875.1	950.4	1008.5	1056.3	1101.3	1147.4	1201.3	1259.4	1332.2
35°	753.9	829.6	906.4	978.6	1033.9	1084.6	1131.2	1182.6	1245.5	1321.4	1414.7
32.5°	778.3	856.2	935.2	1001.6	1057.3	1110.0	1157.9	1222.0	1297.6	1387.9	1520.0
30°	800.9	880.6	959.9	1024.1	1078.5	1131.3	1189.7	1261.8	1350.3	1482.2	1651.1
27.5°	821.8	902.7	979.2	1042.8	1097.4	1151.8	1220.1	1307.6	1424.0	1581.5	1791.5
25°	841.0	923.9	997.8	1058.5	1114.9	1175.3	1249.4	1347.9	1500.9	1704.3	1988.0
22.5°	858.3	943.0	1015.6	1072.1	1131.3	1196.7	1283.3	1406.4	1582.8	1820.3	2186.2
20°	873.8	957.4	1028.9	1084.9	1146.4	1214.4	1313.4	1461.8	1674.6	1982.1	2449.2
17.5°	887.4	970.1	1038.9	1097.3	1161.2	1234.5	1342.7	1509.9	1756.2	2123.4	2715.2
15°	899.1	980.9	1047.3	1107.8	1174.0	1257.6	1383.5	1572.7	1851.0	2270.3	2946.9
12.5°	908.7	989.8	1054.2	1116.4	1184.6	1276.8	1418.5	1631.9	1949.3	2450.7	3288.4
10°	916.4	996.8	1059.4	1123.0	1192.9	1292.2	1446.8	1680.4	2030.9	2607.0	3579.7
7.5°	923.4	1001.9	1063.1	1127.7	1198.8	1303.7	1468.4	1717.7	2093.4	2729.7	3810.3
5°	928.6	1005.0	1065.1	1130.4	1203.8	1311.2	1483.0	1743.6	2136.5	2817.5	3972.5
2.5°	931.8	1006.0	1065.5	1131.2	1207.4	1314.6	1490.6	1757.9	2170.5	2859.0	4059.7
0°	932.8	1005.1	1064.2	1129.9	1208.7	1313.8	1491.2	1760.5	2187.5	2857.5	4072.8
-2.5°	931.8	1006.0	1065.5	1131.2	1207.4	1314.6	1490.6	1757.9	2170.5	2859.0	4059.7
-5°	928.6	1005.0	1065.1	1130.4	1203.8	1311.2	1483.0	1743.6	2136.5	2817.5	3972.5
-7.5°	923.4	1001.9	1063.1	1127.7	1198.8	1303.7	1468.4	1717.7	2093.4	2729.7	3810.3
-10°	916.4	996.8	1059.4	1123.0	1192.9	1292.2	1446.8	1680.4	2030.9	2607.0	3579.7
-12.5°	908.7	989.8	1054.2	1116.4	1184.6	1276.8	1418.5	1631.9	1949.3	2450.7	3288.4
-15°	899.1	980.9	1047.3	1107.8	1174.0	1257.6	1383.5	1572.7	1851.0	2270.3	2946.9
-17.5°	887.4	970.1	1038.9	1097.3	1161.2	1234.5	1342.7	1509.9	1756.2	2123.4	2715.2
-20°	873.8	957.4	1028.9	1084.9	1146.4	1214.4	1313.4	1461.8	1674.6	1982.1	2449.2

Classified

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

Scaled Data Report



REPORT NUMBER: P627467 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-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°	858.3	943.0	1015.6	1072.1	1131.3	1196.7	1283.3	1406.4	1582.8	1820.3	2186.2
-25°	841.0	923.9	997.8	1058.5	1114.9	1175.3	1249.4	1347.9	1500.9	1704.3	1988.0
-27.5°	821.8	902.7	979.2	1042.8	1097.4	1151.8	1220.1	1307.6	1424.0	1581.5	1791.5
-30°	800.9	880.6	959.9	1024.1	1078.5	1131.3	1189.7	1261.8	1350.3	1482.2	1651.1
-32.5°	778.3	856.2	935.2	1001.6	1057.3	1110.0	1157.9	1222.0	1297.6	1387.9	1520.0
-35°	753.9	829.6	906.4	978.6	1033.9	1084.6	1131.2	1182.6	1245.5	1321.4	1414.7
-37.5°	727.5	800.8	875.1	950.4	1008.5	1056.3	1101.3	1147.4	1201.3	1259.4	1332.2
-40°	699.3	769.8	841.4	913.9	980.1	1026.5	1070.5	1111.9	1158.2	1208.3	1261.9
-42.5°	669.2	736.9	805.5	875.2	941.5	993.9	1038.8	1077.8	1116.0	1158.2	1204.5
-45°	637.6	702.0	767.4	834.9	900.6	956.6	1001.6	1044.2	1076.6	1112.2	1150.6
-47.5°	605.0	665.7	727.6	793.0	857.3	915.3	961.9	1001.4	1036.1	1067.6	1101.1
-50°	571.1	629.4	687.3	749.4	810.6	870.5	921.4	959.0	993.0	1022.2	1050.5
-52.5°	535.0	592.2	647.1	704.5	762.3	819.0	873.0	916.1	949.5	979.5	1006.4
-55°	497.7	552.0	605.1	658.1	712.6	766.0	817.7	864.2	904.9	934.2	963.1
-57.5°	459.4	509.4	559.3	609.8	660.2	711.4	758.9	807.7	849.4	884.6	914.5
-60°	420.1	465.3	510.3	557.2	605.1	650.9	696.1	740.6	785.4	827.2	853.0
-62.5°	379.4	420.1	460.3	501.5	544.8	587.3	627.7	668.6	710.3	746.6	778.2
-65°	335.1	373.4	409.7	445.9	482.3	520.2	557.1	592.8	628.7	663.3	694.5
-67.5°	289.9	325.0	358.2	389.8	421.8	454.1	485.4	517.4	548.3	579.4	609.0
-70°	248.9	276.9	306.4	334.8	362.0	389.4	417.1	443.9	470.0	496.7	523.2
-72.5°	208.2	232.7	256.7	280.0	304.1	327.6	350.3	372.2	394.8	417.8	439.8
-75°	169.1	188.4	208.7	228.7	248.1	266.9	285.3	304.0	322.9	341.7	359.7
-77.5°	131.1	148.0	163.9	178.8	193.1	208.8	223.9	238.5	253.6	268.5	282.8
-80°	95.7	107.6	121.2	134.1	145.4	156.1	166.5	176.4	187.2	198.8	210.6
-82.5°	65.1	73.6	82.3	91.2	98.9	106.3	113.6	121.0	128.5	135.9	143.3
-85°	36.3	39.4	44.6	50.0	55.1	60.0	64.7	69.3	73.6	77.8	81.8
-87.5°	18.2	19.7	21.2	22.6	24.0	25.3	26.6	27.9	29.0	30.2	31.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627467 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: GFLD-SA4D-740-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°	32.3	31.8	31.3	30.6	29.7	31.8	33.9	36.0	38.0	36.9	35.6
85°	85.5	87.4	89.0	90.4	91.6	95.7	99.6	103.3	106.7	106.6	106.2
82.5°	150.5	155.3	159.5	163.2	166.5	171.3	175.5	179.3	182.4	184.8	186.7
80°	221.7	229.6	236.3	242.4	247.9	254.2	260.1	265.3	269.8	272.3	273.8
77.5°	297.0	308.5	318.8	328.6	337.8	347.0	355.4	362.9	369.4	371.0	370.6
75°	376.7	392.2	406.6	420.1	432.4	443.1	452.0	459.6	465.8	468.9	470.5
72.5°	460.7	479.7	496.7	512.1	525.3	536.2	545.7	553.9	560.8	565.2	567.9
70°	548.3	570.8	588.3	602.7	614.0	624.9	637.1	648.7	659.6	665.8	668.1
67.5°	636.2	659.5	675.5	688.6	698.9	709.7	725.0	738.9	751.3	759.6	764.9
65°	722.1	746.6	762.7	775.3	784.8	795.5	812.8	826.5	837.0	845.3	852.8
62.5°	807.1	831.8	849.7	864.6	878.5	890.3	904.4	916.0	925.0	933.2	942.5
60°	880.7	910.0	928.8	944.0	961.1	979.5	989.9	998.6	1006.1	1012.7	1018.4
57.5°	940.8	967.0	991.1	1009.3	1027.1	1044.2	1056.5	1064.6	1071.2	1076.2	1078.1
55°	991.1	1018.1	1045.0	1064.8	1082.3	1098.4	1111.8	1122.4	1131.2	1138.0	1139.7
52.5°	1036.2	1066.5	1093.0	1115.8	1138.9	1157.8	1172.6	1187.0	1199.6	1209.7	1214.1
50°	1085.2	1117.0	1150.0	1180.5	1205.1	1226.8	1244.7	1265.1	1286.5	1304.2	1315.4
47.5°	1136.8	1173.4	1213.2	1250.9	1280.0	1312.0	1341.8	1372.1	1412.0	1445.4	1470.3
45°	1190.8	1237.7	1283.2	1331.0	1371.3	1431.6	1487.7	1535.8	1599.7	1657.7	1703.8
42.5°	1254.5	1313.0	1368.8	1445.4	1525.5	1607.9	1697.0	1773.0	1873.0	1974.7	2056.8
40°	1330.0	1404.7	1503.0	1605.8	1732.4	1845.8	1999.5	2136.5	2289.9	2483.8	2644.0
37.5°	1420.8	1536.0	1672.7	1816.0	2013.4	2202.0	2456.1	2724.0	2967.0	3340.0	3653.8
35°	1538.9	1699.8	1879.8	2133.5	2412.9	2766.3	3162.8	3680.0	4123.6	4752.9	5354.2
32.5°	1690.9	1897.8	2191.8	2583.4	2996.4	3638.0	4267.1	5165.3	5997.0	6994.3	8070.6
30°	1860.2	2175.1	2624.2	3161.4	3931.7	4875.6	5984.6	7364.1	8873.7	10275.5	11656.8
27.5°	2105.4	2556.6	3146.7	4013.5	5214.0	6534.6	8477.6	10350.2	12303.9	14040.5	15488.9
25°	2391.8	2988.1	3900.6	5176.9	6800.5	9061.8	11387.6	13698.7	15799.8	17618.0	19218.3
22.5°	2761.5	3619.1	4835.6	6488.9	9017.0	11727.4	14454.7	17003.9	19245.1	21269.7	23002.1
20°	3163.8	4236.9	5974.1	8439.3	11330.5	14418.4	17497.8	20213.3	22681.1	24976.7	26929.2
17.5°	3673.6	5176.3	7376.3	10333.7	13676.4	17059.5	20294.6	23241.4	26041.2	28470.3	30510.4
15°	4108.0	6003.7	8875.0	12343.4	15959.0	19527.7	22943.1	26144.0	29054.9	31547.2	33465.1
12.5°	4687.5	6931.0	10205.6	14071.0	17989.1	21744.2	25341.8	28650.1	31612.4	34077.3	35570.2
10°	5235.2	7891.0	11491.6	15522.8	19593.4	23594.3	27435.5	30828.5	33578.8	35539.6	36811.9
7.5°	5701.0	8716.1	12537.8	16696.2	20867.9	25050.9	28939.2	32240.5	34776.4	36413.9	37299.7
5°	6048.7	9332.9	13314.3	17649.7	21930.5	26186.9	30044.9	33144.0	35335.7	36552.2	36996.9
2.5°	6270.3	9695.1	13764.9	18275.3	22641.7	26905.7	30803.3	33853.8	35713.4	36519.7	36596.3
0°	6358.8	9741.9	13834.4	18603.5	22820.9	27110.5	31019.0	34145.9	35853.9	36517.3	36504.2
-2.5°	6270.3	9695.1	13764.9	18275.3	22641.7	26905.7	30803.3	33853.8	35713.4	36519.7	36596.3
-5°	6048.7	9332.9	13314.3	17649.7	21930.5	26186.9	30044.9	33144.0	35335.7	36552.2	36996.9
-7.5°	5701.0	8716.1	12537.8	16696.2	20867.9	25050.9	28939.2	32240.5	34776.4	36413.9	37299.7
-10°	5235.2	7891.0	11491.6	15522.8	19593.4	23594.3	27435.5	30828.5	33578.8	35539.6	36811.9
-12.5°	4687.5	6931.0	10205.6	14071.0	17989.1	21744.2	25341.8	28650.1	31612.4	34077.3	35570.2
-15°	4108.0	6003.7	8875.0	12343.4	15959.0	19527.7	22943.1	26144.0	29054.9	31547.2	33465.1
-17.5°	3673.6	5176.3	7376.3	10333.7	13676.4	17059.5	20294.6	23241.4	26041.2	28470.3	30510.4
-20°	3163.8	4236.9	5974.1	8439.3	11330.5	14418.4	17497.8	20213.3	22681.1	24976.7	26929.2



REPORT NUMBER: P627467 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2761.5	3619.1	4835.6	6488.9	9017.0	11727.4	14454.7	17003.9	19245.1	21269.7	23002.1
-25°	2391.8	2988.1	3900.6	5176.9	6800.5	9061.8	11387.6	13698.7	15799.8	17618.0	19218.3
-27.5°	2105.4	2556.6	3146.7	4013.5	5214.0	6534.6	8477.6	10350.2	12303.9	14040.5	15488.9
-30°	1860.2	2175.1	2624.2	3161.4	3931.7	4875.6	5984.6	7364.1	8873.7	10275.5	11656.8
-32.5°	1690.9	1897.8	2191.8	2583.4	2996.4	3638.0	4267.1	5165.3	5997.0	6994.3	8070.6
-35°	1538.9	1699.8	1879.8	2133.5	2412.9	2766.3	3162.8	3680.0	4123.6	4752.9	5354.2
-37.5°	1420.8	1536.0	1672.7	1816.0	2013.4	2202.0	2456.1	2724.0	2967.0	3340.0	3653.8
-40°	1330.0	1404.7	1503.0	1605.8	1732.4	1845.8	1999.5	2136.5	2289.9	2483.8	2644.0
-42.5°	1254.5	1313.0	1368.8	1445.4	1525.5	1607.9	1697.0	1773.0	1873.0	1974.7	2056.8
-45°	1190.8	1237.7	1283.2	1331.0	1371.3	1431.6	1487.7	1535.8	1599.7	1657.7	1703.8
-47.5°	1136.8	1173.4	1213.2	1250.9	1280.0	1312.0	1341.8	1372.1	1412.0	1445.4	1470.3
-50°	1085.2	1117.0	1150.0	1180.5	1205.1	1226.8	1244.7	1265.1	1286.5	1304.2	1315.4
-52.5°	1036.2	1066.5	1093.0	1115.8	1138.9	1157.8	1172.6	1187.0	1199.6	1209.7	1214.1
-55°	991.1	1018.1	1045.0	1064.8	1082.3	1098.4	1111.8	1122.4	1131.2	1138.0	1139.7
-57.5°	940.8	967.0	991.1	1009.3	1027.1	1044.2	1056.5	1064.6	1071.2	1076.2	1078.1
-60°	880.7	910.0	928.8	944.0	961.1	979.5	989.9	998.6	1006.1	1012.7	1018.4
-62.5°	807.1	831.8	849.7	864.6	878.5	890.3	904.4	916.0	925.0	933.2	942.5
-65°	722.1	746.6	762.7	775.3	784.8	795.5	812.8	826.5	837.0	845.3	852.8
-67.5°	636.2	659.5	675.5	688.6	698.9	709.7	725.0	738.9	751.3	759.6	764.9
-70°	548.3	570.8	588.3	602.7	614.0	624.9	637.1	648.7	659.6	665.8	668.1
-72.5°	460.7	479.7	496.7	512.1	525.3	536.2	545.7	553.9	560.8	565.2	567.9
-75°	376.7	392.2	406.6	420.1	432.4	443.1	452.0	459.6	465.8	468.9	470.5
-77.5°	297.0	308.5	318.8	328.6	337.8	347.0	355.4	362.9	369.4	371.0	370.6
-80°	221.7	229.6	236.3	242.4	247.9	254.2	260.1	265.3	269.8	272.3	273.8
-82.5°	150.5	155.3	159.5	163.2	166.5	171.3	175.5	179.3	182.4	184.8	186.7
-85°	85.5	87.4	89.0	90.4	91.6	95.7	99.6	103.3	106.7	106.6	106.2
-87.5°	32.3	31.8	31.3	30.6	29.7	31.8	33.9	36.0	38.0	36.9	35.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627467 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-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°	34.2	32.7	32.8	32.8	32.8	32.7	34.2	35.6	36.9	38.0	36.0
85°	105.5	104.6	101.7	98.5	101.7	104.6	105.5	106.2	106.6	106.7	103.3
82.5°	188.3	189.5	187.0	183.9	187.0	189.5	188.3	186.7	184.8	182.4	179.3
80°	274.6	274.6	272.3	269.3	272.3	274.6	274.6	273.8	272.3	269.8	265.3
77.5°	369.0	366.4	367.4	367.9	367.4	366.4	369.0	370.6	371.0	369.4	362.9
75°	471.2	470.8	469.2	466.4	469.2	470.8	471.2	470.5	468.9	465.8	459.6
72.5°	569.2	569.1	567.7	564.9	567.7	569.1	569.2	567.9	565.2	560.8	553.9
70°	668.7	667.5	669.2	670.0	669.2	667.5	668.7	668.1	665.8	659.6	648.7
67.5°	769.0	771.6	771.2	768.6	771.2	771.6	769.0	764.9	759.6	751.3	738.9
65°	858.9	863.4	866.1	867.1	866.1	863.4	858.9	852.8	845.3	837.0	826.5
62.5°	949.7	954.9	955.2	952.5	955.2	954.9	949.7	942.5	933.2	925.0	916.0
60°	1021.6	1022.5	1021.2	1018.2	1021.2	1022.5	1021.6	1018.4	1012.7	1006.1	998.6
57.5°	1078.1	1076.2	1073.9	1070.8	1073.9	1076.2	1078.1	1078.1	1076.2	1071.2	1064.6
55°	1138.8	1135.6	1133.0	1129.9	1133.0	1135.6	1138.8	1139.7	1138.0	1131.2	1122.4
52.5°	1215.1	1213.4	1211.5	1208.7	1211.5	1213.4	1215.1	1214.1	1209.7	1199.6	1187.0
50°	1321.1	1322.7	1322.6	1320.4	1322.6	1322.7	1321.1	1315.4	1304.2	1286.5	1265.1
47.5°	1486.0	1494.8	1500.7	1504.3	1500.7	1494.8	1486.0	1470.3	1445.4	1412.0	1372.1
45°	1733.3	1750.8	1763.2	1773.6	1763.2	1750.8	1733.3	1703.8	1657.7	1599.7	1535.8
42.5°	2114.7	2154.0	2172.5	2167.8	2172.5	2154.0	2114.7	2056.8	1974.7	1873.0	1773.0
40°	2750.7	2814.1	2849.3	2877.2	2849.3	2814.1	2750.7	2644.0	2483.8	2289.9	2136.5
37.5°	3868.1	3991.1	4055.9	4112.2	4055.9	3991.1	3868.1	3653.8	3340.0	2967.0	2724.0
35°	5803.5	6080.2	6228.4	6280.0	6228.4	6080.2	5803.5	5354.2	4752.9	4123.6	3680.0
32.5°	8908.2	9418.8	9701.2	9919.3	9701.2	9418.8	8908.2	8070.6	6994.3	5997.0	5165.3
30°	12750.6	13423.1	13796.6	13978.9	13796.6	13423.1	12750.6	11656.8	10275.5	8873.7	7364.1
27.5°	16689.5	17454.1	17856.7	17835.0	17856.7	17454.1	16689.5	15488.9	14040.5	12303.9	10350.2
25°	20590.3	21475.9	21877.1	22236.2	21877.1	21475.9	20590.3	19218.3	17618.0	15799.8	13698.7
22.5°	24535.6	25571.1	26136.1	26401.0	26136.1	25571.1	24535.6	23002.1	21269.7	19245.1	17003.9
20°	28433.9	29586.6	30186.4	30447.5	30186.4	29586.6	28433.9	26929.2	24976.7	22681.1	20213.3
17.5°	31891.3	33016.5	33588.3	33830.6	33588.3	33016.5	31891.3	30510.4	28470.3	26041.2	23241.4
15°	34651.9	35481.9	35968.1	36096.9	35968.1	35481.9	34651.9	33465.1	31547.2	29054.9	26144.0
12.5°	36560.2	36881.8	37115.6	37187.4	37115.6	36881.8	36560.2	35570.2	34077.3	31612.4	28650.1
10°	37535.9	37390.8	37330.8	37338.5	37330.8	37390.8	37535.9	36811.9	35539.6	33578.8	30828.5
7.5°	37468.7	37253.9	36822.5	36753.8	36822.5	37253.9	37468.7	37299.7	36413.9	34776.4	32240.5
5°	36930.5	36539.3	35823.2	35617.4	35823.2	36539.3	36930.5	36996.9	36552.2	35335.7	33144.0
2.5°	36303.0	35598.0	34938.2	34513.8	34938.2	35598.0	36303.0	36596.3	36519.7	35713.4	33853.8
0°	36116.6	35302.1	34448.1	34172.2	34448.1	35302.1	36116.6	36504.2	36517.3	35853.9	34145.9
-2.5°	36303.0	35598.0	34938.2	34513.8	34938.2	35598.0	36303.0	36596.3	36519.7	35713.4	33853.8
-5°	36930.5	36539.3	35823.2	35617.4	35823.2	36539.3	36930.5	36996.9	36552.2	35335.7	33144.0
-7.5°	37468.7	37253.9	36822.5	36753.8	36822.5	37253.9	37468.7	37299.7	36413.9	34776.4	32240.5
-10°	37535.9	37390.8	37330.8	37338.5	37330.8	37390.8	37535.9	36811.9	35539.6	33578.8	30828.5
-12.5°	36560.2	36881.8	37115.6	37187.4	37115.6	36881.8	36560.2	35570.2	34077.3	31612.4	28650.1
-15°	34651.9	35481.9	35968.1	36096.9	35968.1	35481.9	34651.9	33465.1	31547.2	29054.9	26144.0
-17.5°	31891.3	33016.5	33588.3	33830.6	33588.3	33016.5	31891.3	30510.4	28470.3	26041.2	23241.4
-20°	28433.9	29586.6	30186.4	30447.5	30186.4	29586.6	28433.9	26929.2	24976.7	22681.1	20213.3



REPORT NUMBER: P627467 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-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°	24535.6	25571.1	26136.1	26401.0	26136.1	25571.1	24535.6	23002.1	21269.7	19245.1	17003.9
-25°	20590.3	21475.9	21877.1	22236.2	21877.1	21475.9	20590.3	19218.3	17618.0	15799.8	13698.7
-27.5°	16689.5	17454.1	17856.7	17835.0	17856.7	17454.1	16689.5	15488.9	14040.5	12303.9	10350.2
-30°	12750.6	13423.1	13796.6	13978.9	13796.6	13423.1	12750.6	11656.8	10275.5	8873.7	7364.1
-32.5°	8908.2	9418.8	9701.2	9919.3	9701.2	9418.8	8908.2	8070.6	6994.3	5997.0	5165.3
-35°	5803.5	6080.2	6228.4	6280.0	6228.4	6080.2	5803.5	5354.2	4752.9	4123.6	3680.0
-37.5°	3868.1	3991.1	4055.9	4112.2	4055.9	3991.1	3868.1	3653.8	3340.0	2967.0	2724.0
-40°	2750.7	2814.1	2849.3	2877.2	2849.3	2814.1	2750.7	2644.0	2483.8	2289.9	2136.5
-42.5°	2114.7	2154.0	2172.5	2167.8	2172.5	2154.0	2114.7	2056.8	1974.7	1873.0	1773.0
-45°	1733.3	1750.8	1763.2	1773.6	1763.2	1750.8	1733.3	1703.8	1657.7	1599.7	1535.8
-47.5°	1486.0	1494.8	1500.7	1504.3	1500.7	1494.8	1486.0	1470.3	1445.4	1412.0	1372.1
-50°	1321.1	1322.7	1322.6	1320.4	1322.6	1322.7	1321.1	1315.4	1304.2	1286.5	1265.1
-52.5°	1215.1	1213.4	1211.5	1208.7	1211.5	1213.4	1215.1	1214.1	1209.7	1199.6	1187.0
-55°	1138.8	1135.6	1133.0	1129.9	1133.0	1135.6	1138.8	1139.7	1138.0	1131.2	1122.4
-57.5°	1078.1	1076.2	1073.9	1070.8	1073.9	1076.2	1078.1	1078.1	1076.2	1071.2	1064.6
-60°	1021.6	1022.5	1021.2	1018.2	1021.2	1022.5	1021.6	1018.4	1012.7	1006.1	998.6
-62.5°	949.7	954.9	955.2	952.5	955.2	954.9	949.7	942.5	933.2	925.0	916.0
-65°	858.9	863.4	866.1	867.1	866.1	863.4	858.9	852.8	845.3	837.0	826.5
-67.5°	769.0	771.6	771.2	768.6	771.2	771.6	769.0	764.9	759.6	751.3	738.9
-70°	668.7	667.5	669.2	670.0	669.2	667.5	668.7	668.1	665.8	659.6	648.7
-72.5°	569.2	569.1	567.7	564.9	567.7	569.1	569.2	567.9	565.2	560.8	553.9
-75°	471.2	470.8	469.2	466.4	469.2	470.8	471.2	470.5	468.9	465.8	459.6
-77.5°	369.0	366.4	367.4	367.9	367.4	366.4	369.0	370.6	371.0	369.4	362.9
-80°	274.6	274.6	272.3	269.3	272.3	274.6	274.6	273.8	272.3	269.8	265.3
-82.5°	188.3	189.5	187.0	183.9	187.0	189.5	188.3	186.7	184.8	182.4	179.3
-85°	105.5	104.6	101.7	98.5	101.7	104.6	105.5	106.2	106.6	106.7	103.3
-87.5°	34.2	32.7	32.8	32.8	32.8	32.7	34.2	35.6	36.9	38.0	36.0
-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: P627467 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-U-MWR-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°	33.9	31.8	29.7	30.6	31.3	31.8	32.3	31.3	30.2	29.0	27.9
85°	99.6	95.7	91.6	90.4	89.0	87.4	85.5	81.8	77.8	73.6	69.3
82.5°	175.5	171.3	166.5	163.2	159.5	155.3	150.5	143.3	135.9	128.5	121.0
80°	260.1	254.2	247.9	242.4	236.3	229.6	221.7	210.6	198.8	187.2	176.4
77.5°	355.4	347.0	337.8	328.6	318.8	308.5	297.0	282.8	268.5	253.6	238.5
75°	452.0	443.1	432.4	420.1	406.6	392.2	376.7	359.7	341.7	322.9	304.0
72.5°	545.7	536.2	525.3	512.1	496.7	479.7	460.7	439.8	417.8	394.8	372.2
70°	637.1	624.9	614.0	602.7	588.3	570.8	548.3	523.2	496.7	470.0	443.9
67.5°	725.0	709.7	698.9	688.6	675.5	659.5	636.2	609.0	579.4	548.3	517.4
65°	812.8	795.5	784.8	775.3	762.7	746.6	722.1	694.5	663.3	628.7	592.8
62.5°	904.4	890.3	878.5	864.6	849.7	831.8	807.1	778.2	746.6	710.3	668.6
60°	989.9	979.5	961.1	944.0	928.8	910.0	880.7	853.0	827.2	785.4	740.6
57.5°	1056.5	1044.2	1027.1	1009.3	991.1	967.0	940.8	914.5	884.6	849.4	807.7
55°	1111.8	1098.4	1082.3	1064.8	1045.0	1018.1	991.1	963.1	934.2	904.9	864.2
52.5°	1172.6	1157.8	1138.9	1115.8	1093.0	1066.5	1036.2	1006.4	979.5	949.5	916.1
50°	1244.7	1226.8	1205.1	1180.5	1150.0	1117.0	1085.2	1050.5	1022.2	993.0	959.0
47.5°	1341.8	1312.0	1280.0	1250.9	1213.2	1173.4	1136.8	1101.1	1067.6	1036.1	1001.4
45°	1487.7	1431.6	1371.3	1331.0	1283.2	1237.7	1190.8	1150.6	1112.2	1076.6	1044.2
42.5°	1697.0	1607.9	1525.5	1445.4	1368.8	1313.0	1254.5	1204.5	1158.2	1116.0	1077.8
40°	1999.5	1845.8	1732.4	1605.8	1503.0	1404.7	1330.0	1261.9	1208.3	1158.2	1111.9
37.5°	2456.1	2202.0	2013.4	1816.0	1672.7	1536.0	1420.8	1332.2	1259.4	1201.3	1147.4
35°	3162.8	2766.3	2412.9	2133.5	1879.8	1699.8	1538.9	1414.7	1321.4	1245.5	1182.6
32.5°	4267.1	3638.0	2996.4	2583.4	2191.8	1897.8	1690.9	1520.0	1387.9	1297.6	1222.0
30°	5984.6	4875.6	3931.7	3161.4	2624.2	2175.1	1860.2	1651.1	1482.2	1350.3	1261.8
27.5°	8477.6	6534.6	5214.0	4013.5	3146.7	2556.6	2105.4	1791.5	1581.5	1424.0	1307.6
25°	11387.6	9061.8	6800.5	5176.9	3900.6	2988.1	2391.8	1988.0	1704.3	1500.9	1347.9
22.5°	14454.7	11727.4	9017.0	6488.9	4835.6	3619.1	2761.5	2186.2	1820.3	1582.8	1406.4
20°	17497.8	14418.4	11330.5	8439.3	5974.1	4236.9	3163.8	2449.2	1982.1	1674.6	1461.8
17.5°	20294.6	17059.5	13676.4	10333.7	7376.3	5176.3	3673.6	2715.2	2123.4	1756.2	1509.9
15°	22943.1	19527.7	15959.0	12343.4	8875.0	6003.7	4108.0	2946.9	2270.3	1851.0	1572.7
12.5°	25341.8	21744.2	17989.1	14071.0	10205.6	6931.0	4687.5	3288.4	2450.7	1949.3	1631.9
10°	27435.5	23594.3	19593.4	15522.8	11491.6	7891.0	5235.2	3579.7	2607.0	2030.9	1680.4
7.5°	28939.2	25050.9	20867.9	16696.2	12537.8	8716.1	5701.0	3810.3	2729.7	2093.4	1717.7
5°	30044.9	26186.9	21930.5	17649.7	13314.3	9332.9	6048.7	3972.5	2817.5	2136.5	1743.6
2.5°	30803.3	26905.7	22641.7	18275.3	13764.9	9695.1	6270.3	4059.7	2859.0	2170.5	1757.9
0°	31019.0	27110.5	22820.9	18603.5	13834.4	9741.9	6358.8	4072.8	2857.5	2187.5	1760.5
-2.5°	30803.3	26905.7	22641.7	18275.3	13764.9	9695.1	6270.3	4059.7	2859.0	2170.5	1757.9
-5°	30044.9	26186.9	21930.5	17649.7	13314.3	9332.9	6048.7	3972.5	2817.5	2136.5	1743.6
-7.5°	28939.2	25050.9	20867.9	16696.2	12537.8	8716.1	5701.0	3810.3	2729.7	2093.4	1717.7
-10°	27435.5	23594.3	19593.4	15522.8	11491.6	7891.0	5235.2	3579.7	2607.0	2030.9	1680.4
-12.5°	25341.8	21744.2	17989.1	14071.0	10205.6	6931.0	4687.5	3288.4	2450.7	1949.3	1631.9
-15°	22943.1	19527.7	15959.0	12343.4	8875.0	6003.7	4108.0	2946.9	2270.3	1851.0	1572.7
-17.5°	20294.6	17059.5	13676.4	10333.7	7376.3	5176.3	3673.6	2715.2	2123.4	1756.2	1509.9
-20°	17497.8	14418.4	11330.5	8439.3	5974.1	4236.9	3163.8	2449.2	1982.1	1674.6	1461.8



REPORT NUMBER: P627467 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14454.7	11727.4	9017.0	6488.9	4835.6	3619.1	2761.5	2186.2	1820.3	1582.8	1406.4
-25°	11387.6	9061.8	6800.5	5176.9	3900.6	2988.1	2391.8	1988.0	1704.3	1500.9	1347.9
-27.5°	8477.6	6534.6	5214.0	4013.5	3146.7	2556.6	2105.4	1791.5	1581.5	1424.0	1307.6
-30°	5984.6	4875.6	3931.7	3161.4	2624.2	2175.1	1860.2	1651.1	1482.2	1350.3	1261.8
-32.5°	4267.1	3638.0	2996.4	2583.4	2191.8	1897.8	1690.9	1520.0	1387.9	1297.6	1222.0
-35°	3162.8	2766.3	2412.9	2133.5	1879.8	1699.8	1538.9	1414.7	1321.4	1245.5	1182.6
-37.5°	2456.1	2202.0	2013.4	1816.0	1672.7	1536.0	1420.8	1332.2	1259.4	1201.3	1147.4
-40°	1999.5	1845.8	1732.4	1605.8	1503.0	1404.7	1330.0	1261.9	1208.3	1158.2	1111.9
-42.5°	1697.0	1607.9	1525.5	1445.4	1368.8	1313.0	1254.5	1204.5	1158.2	1116.0	1077.8
-45°	1487.7	1431.6	1371.3	1331.0	1283.2	1237.7	1190.8	1150.6	1112.2	1076.6	1044.2
-47.5°	1341.8	1312.0	1280.0	1250.9	1213.2	1173.4	1136.8	1101.1	1067.6	1036.1	1001.4
-50°	1244.7	1226.8	1205.1	1180.5	1150.0	1117.0	1085.2	1050.5	1022.2	993.0	959.0
-52.5°	1172.6	1157.8	1138.9	1115.8	1093.0	1066.5	1036.2	1006.4	979.5	949.5	916.1
-55°	1111.8	1098.4	1082.3	1064.8	1045.0	1018.1	991.1	963.1	934.2	904.9	864.2
-57.5°	1056.5	1044.2	1027.1	1009.3	991.1	967.0	940.8	914.5	884.6	849.4	807.7
-60°	989.9	979.5	961.1	944.0	928.8	910.0	880.7	853.0	827.2	785.4	740.6
-62.5°	904.4	890.3	878.5	864.6	849.7	831.8	807.1	778.2	746.6	710.3	668.6
-65°	812.8	795.5	784.8	775.3	762.7	746.6	722.1	694.5	663.3	628.7	592.8
-67.5°	725.0	709.7	698.9	688.6	675.5	659.5	636.2	609.0	579.4	548.3	517.4
-70°	637.1	624.9	614.0	602.7	588.3	570.8	548.3	523.2	496.7	470.0	443.9
-72.5°	545.7	536.2	525.3	512.1	496.7	479.7	460.7	439.8	417.8	394.8	372.2
-75°	452.0	443.1	432.4	420.1	406.6	392.2	376.7	359.7	341.7	322.9	304.0
-77.5°	355.4	347.0	337.8	328.6	318.8	308.5	297.0	282.8	268.5	253.6	238.5
-80°	260.1	254.2	247.9	242.4	236.3	229.6	221.7	210.6	198.8	187.2	176.4
-82.5°	175.5	171.3	166.5	163.2	159.5	155.3	150.5	143.3	135.9	128.5	121.0
-85°	99.6	95.7	91.6	90.4	89.0	87.4	85.5	81.8	77.8	73.6	69.3
-87.5°	33.9	31.8	29.7	30.6	31.3	31.8	32.3	31.3	30.2	29.0	27.9
-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: P627467 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-U-MWR-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°	26.6	25.3	24.0	22.6	21.2	19.7	18.2	16.6	14.4	12.3	10.4
85°	64.7	60.0	55.1	50.0	44.6	39.4	36.3	33.2	28.8	24.6	20.7
82.5°	113.6	106.3	98.9	91.2	82.3	73.6	65.1	56.7	47.4	37.6	30.9
80°	166.5	156.1	145.4	134.1	121.2	107.6	95.7	84.2	73.0	61.0	48.3
77.5°	223.9	208.8	193.1	178.8	163.9	148.0	131.1	113.6	98.4	84.2	69.1
75°	285.3	266.9	248.1	228.7	208.7	188.4	169.1	148.8	128.5	107.8	89.9
72.5°	350.3	327.6	304.1	280.0	256.7	232.7	208.2	183.7	160.0	136.0	111.5
70°	417.1	389.4	362.0	334.8	306.4	276.9	248.9	220.1	191.2	163.8	136.0
67.5°	485.4	454.1	421.8	389.8	358.2	325.0	289.9	256.2	223.4	191.2	160.0
65°	557.1	520.2	482.3	445.9	409.7	373.4	335.1	293.1	254.9	218.9	183.7
62.5°	627.7	587.3	544.8	501.5	460.3	420.1	379.4	332.7	286.6	245.9	207.0
60°	696.1	650.9	605.1	557.2	510.3	465.3	420.1	371.2	320.9	272.2	229.8
57.5°	758.9	711.4	660.2	609.8	559.3	509.4	459.4	407.6	354.3	300.8	251.9
55°	817.7	766.0	712.6	658.1	605.1	552.0	497.7	442.4	386.4	329.3	273.6
52.5°	873.0	819.0	762.3	704.5	647.1	592.2	535.0	476.3	416.9	356.7	297.4
50°	921.4	870.5	810.6	749.4	687.3	629.4	571.1	509.2	446.4	383.1	320.6
47.5°	961.9	915.3	857.3	793.0	727.6	665.7	605.0	540.8	474.9	408.3	342.9
45°	1001.6	956.6	900.6	834.9	767.4	702.0	637.6	571.3	502.3	432.8	364.2
42.5°	1038.8	993.9	941.5	875.2	805.5	736.9	669.2	600.1	528.5	456.0	384.4
40°	1070.5	1026.5	980.1	913.9	841.4	769.8	699.3	627.8	553.6	478.1	403.6
37.5°	1101.3	1056.3	1008.5	950.4	875.1	800.8	727.5	654.5	577.8	499.5	421.6
35°	1131.2	1084.6	1033.9	978.6	906.4	829.6	753.9	679.3	600.4	519.9	438.5
32.5°	1157.9	1110.0	1057.3	1001.6	935.2	856.2	778.3	701.2	621.4	539.2	454.2
30°	1189.7	1131.3	1078.5	1024.1	959.9	880.6	800.9	721.6	640.8	557.4	468.9
27.5°	1220.1	1151.8	1097.4	1042.8	979.2	902.7	821.8	740.5	658.5	574.0	483.5
25°	1249.4	1175.3	1114.9	1058.5	997.8	923.9	841.0	757.7	674.2	588.4	496.9
22.5°	1283.3	1196.7	1131.3	1072.1	1015.6	943.0	858.3	773.3	688.1	601.4	509.2
20°	1313.4	1214.4	1146.4	1084.9	1028.9	957.4	873.8	787.3	700.5	612.9	520.3
17.5°	1342.7	1234.5	1161.2	1097.3	1038.9	970.1	887.4	799.5	711.4	622.8	530.2
15°	1383.5	1257.6	1174.0	1107.8	1047.3	980.9	899.1	809.9	720.7	631.2	539.1
12.5°	1418.5	1276.8	1184.6	1116.4	1054.2	989.8	908.7	818.6	728.4	638.7	546.9
10°	1446.8	1292.2	1192.9	1123.0	1059.4	996.8	916.4	825.9	735.6	645.3	553.4
7.5°	1468.4	1303.7	1198.8	1127.7	1063.1	1001.9	923.4	832.4	741.4	650.3	558.4
5°	1483.0	1311.2	1203.8	1130.4	1065.1	1005.0	928.6	837.1	745.6	654.0	562.0
2.5°	1490.6	1314.6	1207.4	1131.2	1065.5	1006.0	931.8	839.9	748.1	656.2	564.2
0°	1491.2	1313.8	1208.7	1129.9	1064.2	1005.1	932.8	840.8	748.9	656.9	564.9
-2.5°	1490.6	1314.6	1207.4	1131.2	1065.5	1006.0	931.8	839.9	748.1	656.2	564.2
-5°	1483.0	1311.2	1203.8	1130.4	1065.1	1005.0	928.6	837.1	745.6	654.0	562.0
-7.5°	1468.4	1303.7	1198.8	1127.7	1063.1	1001.9	923.4	832.4	741.4	650.3	558.4
-10°	1446.8	1292.2	1192.9	1123.0	1059.4	996.8	916.4	825.9	735.6	645.3	553.4
-12.5°	1418.5	1276.8	1184.6	1116.4	1054.2	989.8	908.7	818.6	728.4	638.7	546.9
-15°	1383.5	1257.6	1174.0	1107.8	1047.3	980.9	899.1	809.9	720.7	631.2	539.1
-17.5°	1342.7	1234.5	1161.2	1097.3	1038.9	970.1	887.4	799.5	711.4	622.8	530.2
-20°	1313.4	1214.4	1146.4	1084.9	1028.9	957.4	873.8	787.3	700.5	612.9	520.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627467 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-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°	1283.3	1196.7	1131.3	1072.1	1015.6	943.0	858.3	773.3	688.1	601.4	509.2
-25°	1249.4	1175.3	1114.9	1058.5	997.8	923.9	841.0	757.7	674.2	588.4	496.9
-27.5°	1220.1	1151.8	1097.4	1042.8	979.2	902.7	821.8	740.5	658.5	574.0	483.5
-30°	1189.7	1131.3	1078.5	1024.1	959.9	880.6	800.9	721.6	640.8	557.4	468.9
-32.5°	1157.9	1110.0	1057.3	1001.6	935.2	856.2	778.3	701.2	621.4	539.2	454.2
-35°	1131.2	1084.6	1033.9	978.6	906.4	829.6	753.9	679.3	600.4	519.9	438.5
-37.5°	1101.3	1056.3	1008.5	950.4	875.1	800.8	727.5	654.5	577.8	499.5	421.6
-40°	1070.5	1026.5	980.1	913.9	841.4	769.8	699.3	627.8	553.6	478.1	403.6
-42.5°	1038.8	993.9	941.5	875.2	805.5	736.9	669.2	600.1	528.5	456.0	384.4
-45°	1001.6	956.6	900.6	834.9	767.4	702.0	637.6	571.3	502.3	432.8	364.2
-47.5°	961.9	915.3	857.3	793.0	727.6	665.7	605.0	540.8	474.9	408.3	342.9
-50°	921.4	870.5	810.6	749.4	687.3	629.4	571.1	509.2	446.4	383.1	320.6
-52.5°	873.0	819.0	762.3	704.5	647.1	592.2	535.0	476.3	416.9	356.7	297.4
-55°	817.7	766.0	712.6	658.1	605.1	552.0	497.7	442.4	386.4	329.3	273.6
-57.5°	758.9	711.4	660.2	609.8	559.3	509.4	459.4	407.6	354.3	300.8	251.9
-60°	696.1	650.9	605.1	557.2	510.3	465.3	420.1	371.2	320.9	272.2	229.8
-62.5°	627.7	587.3	544.8	501.5	460.3	420.1	379.4	332.7	286.6	245.9	207.0
-65°	557.1	520.2	482.3	445.9	409.7	373.4	335.1	293.1	254.9	218.9	183.7
-67.5°	485.4	454.1	421.8	389.8	358.2	325.0	289.9	256.2	223.4	191.2	160.0
-70°	417.1	389.4	362.0	334.8	306.4	276.9	248.9	220.1	191.2	163.8	136.0
-72.5°	350.3	327.6	304.1	280.0	256.7	232.7	208.2	183.7	160.0	136.0	111.5
-75°	285.3	266.9	248.1	228.7	208.7	188.4	169.1	148.8	128.5	107.8	89.9
-77.5°	223.9	208.8	193.1	178.8	163.9	148.0	131.1	113.6	98.4	84.2	69.1
-80°	166.5	156.1	145.4	134.1	121.2	107.6	95.7	84.2	73.0	61.0	48.3
-82.5°	113.6	106.3	98.9	91.2	82.3	73.6	65.1	56.7	47.4	37.6	30.9
-85°	64.7	60.0	55.1	50.0	44.6	39.4	36.3	33.2	28.8	24.6	20.7
-87.5°	26.6	25.3	24.0	22.6	21.2	19.7	18.2	16.6	14.4	12.3	10.4
-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: P627467 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4D-740-U-MWR-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°	8.5	7.1	5.7	4.3	2.9	1.4	0.0
85°	17.0	14.2	11.4	8.6	5.7	2.9	0.0
82.5°	25.4	21.2	17.0	12.8	8.6	4.3	0.0
80°	35.0	28.3	22.7	17.0	11.4	5.7	0.0
77.5°	53.4	38.2	28.3	21.2	14.2	7.1	0.0
75°	71.6	53.4	35.0	25.4	17.0	8.5	0.0
72.5°	89.6	68.4	47.1	29.5	19.7	9.9	0.0
70°	107.8	83.3	59.0	34.5	22.4	11.2	0.0
67.5°	128.3	97.9	70.7	43.3	25.1	12.5	0.0
65°	148.4	113.3	82.2	52.0	27.7	13.9	0.0
62.5°	168.0	129.5	93.5	60.4	30.3	15.1	0.0
60°	187.1	145.2	104.5	68.7	32.8	16.4	0.0
57.5°	206.2	160.5	116.6	76.8	38.0	17.6	0.0
55°	224.9	175.3	128.3	84.7	43.2	18.8	0.0
52.5°	243.2	189.7	139.6	92.3	48.2	20.0	0.0
50°	261.1	204.6	150.5	99.7	52.9	21.1	0.0
47.5°	278.6	219.1	161.0	107.0	57.5	22.2	0.0
45°	296.8	233.1	171.0	114.4	61.9	23.2	0.0
42.5°	314.1	246.6	180.5	121.6	66.0	24.2	0.0
40°	330.5	259.5	190.1	128.2	70.0	25.1	0.0
37.5°	346.0	271.8	199.9	134.3	73.7	26.0	0.0
35°	360.5	283.8	209.2	140.1	77.1	26.9	0.0
32.5°	374.1	295.2	218.0	145.5	80.3	27.7	0.0
30°	386.6	305.7	226.2	150.5	83.3	28.4	0.0
27.5°	398.0	315.5	233.5	155.1	86.0	29.1	0.0
25°	408.5	324.3	240.1	159.3	88.4	29.7	0.0
22.5°	417.8	332.2	246.1	163.1	90.6	30.3	0.0
20°	426.1	338.9	251.5	166.4	92.5	30.8	0.0
17.5°	433.6	344.7	256.1	169.3	94.2	31.3	0.0
15°	440.3	349.7	260.1	171.8	95.6	31.7	0.0
12.5°	446.1	353.9	263.4	173.9	96.7	32.0	0.0
10°	450.9	357.1	266.0	175.5	97.6	32.3	0.0
7.5°	454.8	359.5	267.9	176.6	98.2	32.5	0.0
5°	457.5	361.0	269.0	177.3	98.6	32.7	0.0
2.5°	459.2	361.6	269.5	177.6	98.7	32.8	0.0
0°	459.8	361.3	269.3	177.4	98.5	32.8	0.0
-2.5°	459.2	361.6	269.5	177.6	98.7	32.8	0.0
-5°	457.5	361.0	269.0	177.3	98.6	32.7	0.0
-7.5°	454.8	359.5	267.9	176.6	98.2	32.5	0.0
-10°	450.9	357.1	266.0	175.5	97.6	32.3	0.0
-12.5°	446.1	353.9	263.4	173.9	96.7	32.0	0.0
-15°	440.3	349.7	260.1	171.8	95.6	31.7	0.0
-17.5°	433.6	344.7	256.1	169.3	94.2	31.3	0.0
-20°	426.1	338.9	251.5	166.4	92.5	30.8	0.0

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REPORT NUMBER: P627467 (CONVERTED FROM TYPE C PHOTOMETRY)

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

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	417.8	332.2	246.1	163.1	90.6	30.3	0.0
-25°	408.5	324.3	240.1	159.3	88.4	29.7	0.0
-27.5°	398.0	315.5	233.5	155.1	86.0	29.1	0.0
-30°	386.6	305.7	226.2	150.5	83.3	28.4	0.0
-32.5°	374.1	295.2	218.0	145.5	80.3	27.7	0.0
-35°	360.5	283.8	209.2	140.1	77.1	26.9	0.0
-37.5°	346.0	271.8	199.9	134.3	73.7	26.0	0.0
-40°	330.5	259.5	190.1	128.2	70.0	25.1	0.0
-42.5°	314.1	246.6	180.5	121.6	66.0	24.2	0.0
-45°	296.8	233.1	171.0	114.4	61.9	23.2	0.0
-47.5°	278.6	219.1	161.0	107.0	57.5	22.2	0.0
-50°	261.1	204.6	150.5	99.7	52.9	21.1	0.0
-52.5°	243.2	189.7	139.6	92.3	48.2	20.0	0.0
-55°	224.9	175.3	128.3	84.7	43.2	18.8	0.0
-57.5°	206.2	160.5	116.6	76.8	38.0	17.6	0.0
-60°	187.1	145.2	104.5	68.7	32.8	16.4	0.0
-62.5°	168.0	129.5	93.5	60.4	30.3	15.1	0.0
-65°	148.4	113.3	82.2	52.0	27.7	13.9	0.0
-67.5°	128.3	97.9	70.7	43.3	25.1	12.5	0.0
-70°	107.8	83.3	59.0	34.5	22.4	11.2	0.0
-72.5°	89.6	68.4	47.1	29.5	19.7	9.9	0.0
-75°	71.6	53.4	35.0	25.4	17.0	8.5	0.0
-77.5°	53.4	38.2	28.3	21.2	14.2	7.1	0.0
-80°	35.0	28.3	22.7	17.0	11.4	5.7	0.0
-82.5°	25.4	21.2	17.0	12.8	8.6	4.3	0.0
-85°	17.0	14.2	11.4	8.6	5.7	2.9	0.0
-87.5°	8.5	7.1	5.7	4.3	2.9	1.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)