

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: P627517 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
 Report Number: P627517 (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-SA4E-735-U-MWR-XX
 Description: GALLEON FLOOD, FOUR LIGHT SQUARE, MEDIUM WIDE SYMMETRICAL ROUND N98
 Light Source: (64) 3500K CCT, 70 CRI LEDS
 Ballast/Driver: -

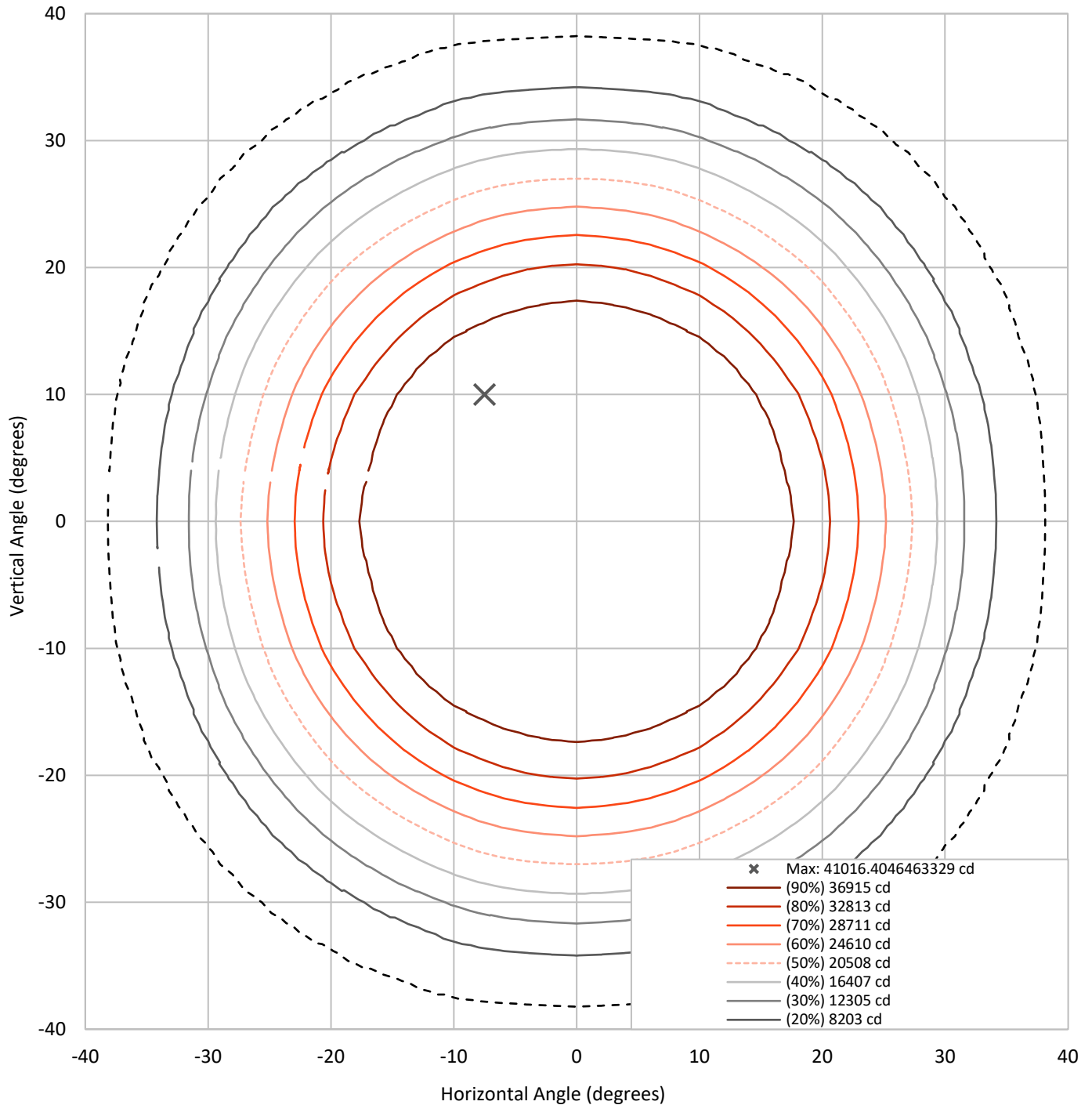
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	34908.8 lumens	Max Intensity:	41016.4 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	136.4 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:	23170.4 lumens	Field Lumens:	30128.1 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
Input Watts (W):	255.9		
Input Voltage (V):	120		
Input Current (A _{in}):	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





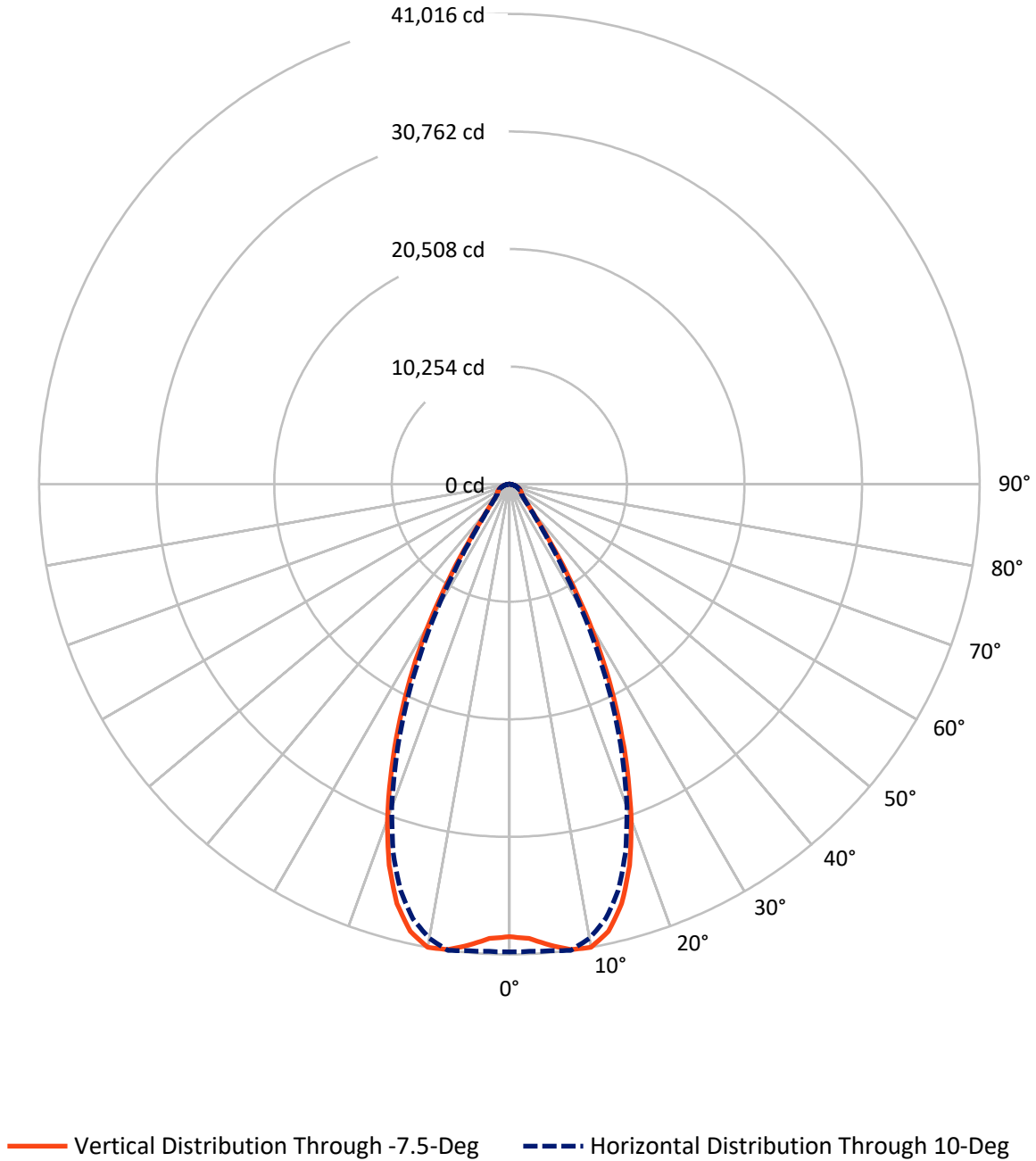
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Lumen Table

90																			
80	0.9	8.2		21.9		34.7		38.7		34.7		21.9		8.2		0.9			
70																			
60	3.7	4.2	8.6	14.0	19.6	23.7	26.8	28.4	28.4	26.8	23.7	19.6	14.0	8.6	4.2	3.7			
50		6.3	12.6	20.2	26.9	32.6	36.5	38.0	38.0	36.5	32.6	26.9	20.2	12.6	6.3				
40	6.6	8.1	16.0	24.4	32.7	42.6	53.6	61.6	61.6	53.6	42.6	32.7	24.4	16.0	8.1	6.6			
30		9.6	18.5	28.1	43.5	79.3	151.8	225.1	225.1	151.8	79.3	43.5	28.1	18.5	9.6				
20	8.5	10.8	20.2	32.8	71.5	224.1	502.8	702.0	702.0	502.8	224.1	71.5	32.8	20.2	10.8	8.5			
10		11.5	21.3	39.0	129.2	477.8	912.3	1141.8	1141.8	912.3	477.8	129.2	39.0	21.3	11.5				
0	9.1	11.9	21.8	43.9	186.1	653.8	1106.8	1204.3	1204.3	1106.8	653.8	186.1	43.9	21.8	11.9	9.1			
-10		11.9	21.8	43.9	186.1	653.8	1106.8	1204.3	1204.3	1106.8	653.8	186.1	43.9	21.8	11.9				
-20	8.5	11.5	21.3	39.0	129.2	477.8	912.3	1141.8	1141.8	912.3	477.8	129.2	39.0	21.3	11.5	8.5			
-30		10.8	20.2	32.8	71.5	224.1	502.8	702.0	702.0	502.8	224.1	71.5	32.8	20.2	10.8				
-40	6.6	9.6	18.5	28.1	43.5	79.3	151.8	225.1	225.1	151.8	79.3	43.5	28.1	18.5	9.6	6.6			
-50		8.1	16.0	24.4	32.7	42.6	53.6	61.6	61.6	53.6	42.6	32.7	24.4	16.0	8.1				
-60	3.7	6.3	12.6	20.2	26.9	32.6	36.5	38.0	38.0	36.5	32.6	26.9	20.2	12.6	6.3	3.7			
-70		4.2	8.6	14.0	19.6	23.7	26.8	28.4	28.4	26.8	23.7	19.6	14.0	8.6	4.2				
-80																			
-90	0.9	8.2		21.9		34.7		38.7		34.7		21.9		8.2		0.9			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

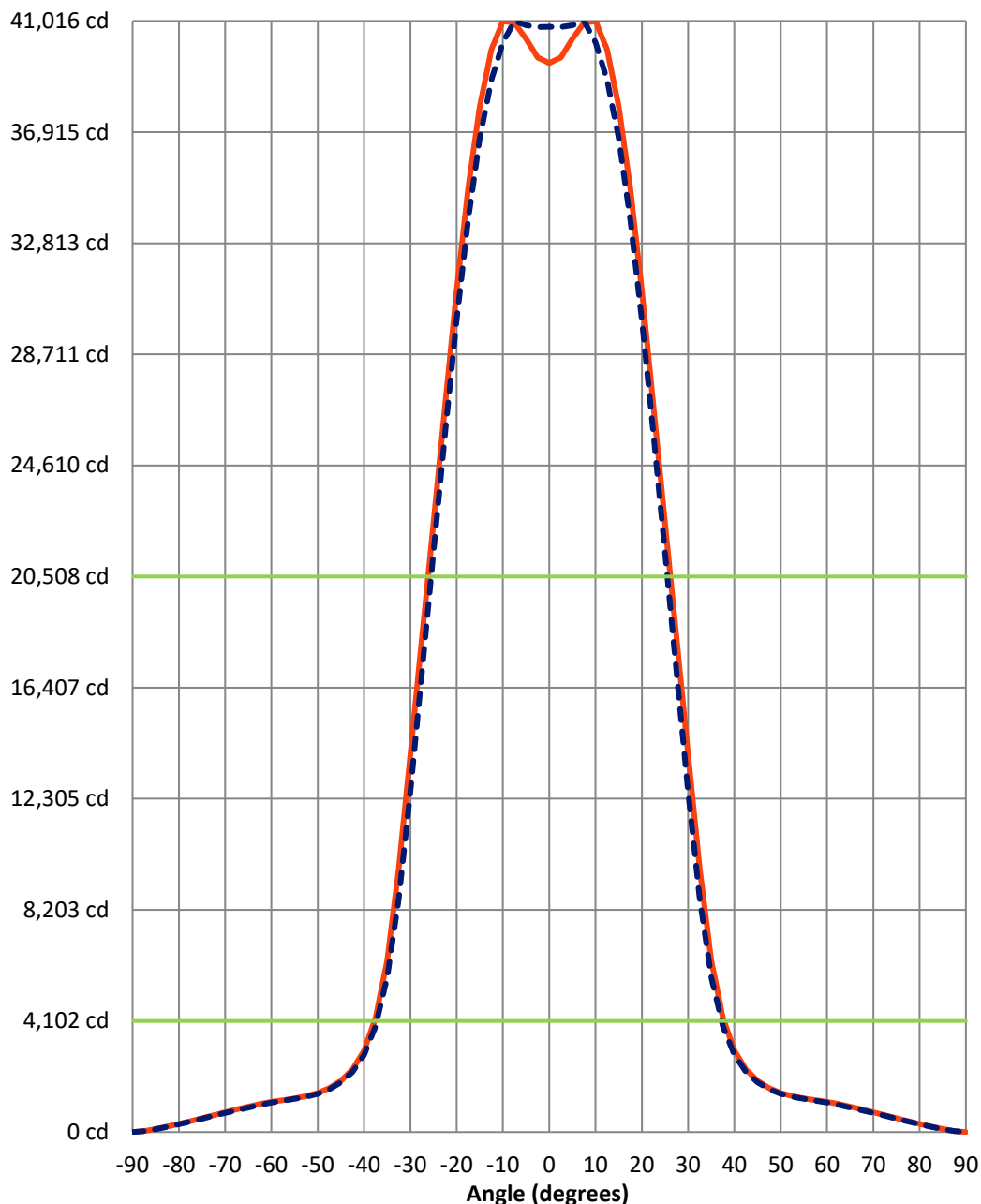
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 51°
 V Angle: 52.3°
 Lumens: 23170.4
 Efficiency: 66.4%

Field:
 H Angle: 74.5°
 V Angle: 75.5°
 Lumens: 30128.1
 Efficiency: 86.3%

Spill:
 Lumens: 4780.7
 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	1.6	3.1	4.7	6.2	7.8	9.3	11.3	13.5	15.8	18.2
85°	0.0	3.1	6.2	9.4	12.5	15.5	18.6	22.6	27.0	31.5	36.3
82.5°	0.0	4.7	9.4	14.0	18.7	23.2	27.8	33.8	41.2	51.9	62.0
80°	0.0	6.2	12.5	18.7	24.8	30.9	38.3	52.8	66.7	79.8	92.1
77.5°	0.0	7.8	15.5	23.2	30.9	41.7	58.4	75.6	92.0	107.5	124.2
75°	0.0	9.3	18.6	27.8	38.3	58.4	78.3	98.3	117.8	140.4	162.7
72.5°	0.0	10.8	21.6	32.3	51.5	74.8	98.0	121.9	148.6	174.9	200.8
70°	0.0	12.3	24.5	37.8	64.5	91.1	117.8	148.6	179.0	209.0	240.5
67.5°	0.0	13.7	27.4	47.4	77.3	107.0	140.2	174.9	209.0	244.1	280.0
65°	0.0	15.2	30.3	56.8	89.9	123.9	162.2	200.8	239.2	278.5	320.3
62.5°	0.0	16.6	33.1	66.1	102.2	141.5	183.6	226.3	268.7	313.1	363.5
60°	0.0	17.9	35.9	75.1	114.3	158.7	204.4	251.1	297.5	350.7	405.6
57.5°	0.0	19.3	41.6	84.0	127.4	175.4	225.3	275.3	328.7	387.2	445.4
55°	0.0	20.6	47.3	92.6	140.2	191.6	245.8	298.9	359.8	422.3	483.5
52.5°	0.0	21.9	52.7	100.9	152.6	207.3	265.8	325.0	389.8	455.6	520.5
50°	0.0	23.1	57.9	109.0	164.5	223.7	285.3	350.4	418.6	487.8	556.4
47.5°	0.0	24.2	62.9	116.9	175.9	239.5	304.4	374.7	446.2	518.9	591.0
45°	0.0	25.4	67.7	125.1	186.9	254.7	324.3	398.0	472.9	548.9	624.3
42.5°	0.0	26.5	72.2	132.9	197.2	269.5	343.2	420.1	498.3	577.5	655.8
40°	0.0	27.5	76.5	140.1	207.8	283.6	361.2	441.0	522.4	604.9	686.1
37.5°	0.0	28.5	80.5	146.8	218.5	297.1	378.1	460.7	545.8	631.3	715.2
35°	0.0	29.4	84.3	153.1	228.7	310.2	394.0	479.2	568.1	656.1	742.4
32.5°	0.0	30.3	87.8	159.0	238.2	322.6	408.8	496.3	589.2	679.1	766.3
30°	0.0	31.1	91.1	164.5	247.2	334.1	422.4	512.4	609.1	700.3	788.6
27.5°	0.0	31.8	94.0	169.5	255.2	344.7	435.0	528.3	627.2	719.6	809.1
25°	0.0	32.5	96.7	174.1	262.4	354.4	446.4	543.0	643.0	736.7	828.0
22.5°	0.0	33.2	99.1	178.2	269.0	363.0	456.6	556.5	657.2	751.9	845.1
20°	0.0	33.7	101.2	181.9	274.8	370.3	465.6	568.6	669.7	765.5	860.3
17.5°	0.0	34.2	103.0	185.0	279.9	376.7	473.8	579.4	680.6	777.3	873.6
15°	0.0	34.7	104.5	187.8	284.2	382.1	481.2	589.1	689.8	787.5	885.0
12.5°	0.0	35.0	105.8	190.0	287.8	386.7	487.5	597.7	698.0	795.9	894.5
10°	0.0	35.4	106.7	191.7	290.7	390.2	492.8	604.7	705.1	803.8	902.5
7.5°	0.0	35.6	107.4	193.0	292.7	392.8	497.0	610.2	710.6	810.1	909.6
5°	0.0	35.8	107.8	193.8	294.0	394.5	500.0	614.1	714.6	814.7	914.7
2.5°	0.0	35.9	107.9	194.0	294.5	395.1	501.9	616.5	717.0	817.4	917.8
0°	0.0	35.9	107.7	193.8	294.3	394.8	502.5	617.3	717.8	818.3	918.8
-2.5°	0.0	35.9	107.9	194.0	294.5	395.1	501.9	616.5	717.0	817.4	917.8
-5°	0.0	35.8	107.8	193.8	294.0	394.5	500.0	614.1	714.6	814.7	914.7
-7.5°	0.0	35.6	107.4	193.0	292.7	392.8	497.0	610.2	710.6	810.1	909.6
-10°	0.0	35.4	106.7	191.7	290.7	390.2	492.8	604.7	705.1	803.8	902.5
-12.5°	0.0	35.0	105.8	190.0	287.8	386.7	487.5	597.7	698.0	795.9	894.5
-15°	0.0	34.7	104.5	187.8	284.2	382.1	481.2	589.1	689.8	787.5	885.0
-17.5°	0.0	34.2	103.0	185.0	279.9	376.7	473.8	579.4	680.6	777.3	873.6
-20°	0.0	33.7	101.2	181.9	274.8	370.3	465.6	568.6	669.7	765.5	860.3

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REPORT NUMBER: P627517 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-735-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	33.2	99.1	178.2	269.0	363.0	456.6	556.5	657.2	751.9	845.1
-25°	0.0	32.5	96.7	174.1	262.4	354.4	446.4	543.0	643.0	736.7	828.0
-27.5°	0.0	31.8	94.0	169.5	255.2	344.7	435.0	528.3	627.2	719.6	809.1
-30°	0.0	31.1	91.1	164.5	247.2	334.1	422.4	512.4	609.1	700.3	788.6
-32.5°	0.0	30.3	87.8	159.0	238.2	322.6	408.8	496.3	589.2	679.1	766.3
-35°	0.0	29.4	84.3	153.1	228.7	310.2	394.0	479.2	568.1	656.1	742.4
-37.5°	0.0	28.5	80.5	146.8	218.5	297.1	378.1	460.7	545.8	631.3	715.2
-40°	0.0	27.5	76.5	140.1	207.8	283.6	361.2	441.0	522.4	604.9	686.1
-42.5°	0.0	26.5	72.2	132.9	197.2	269.5	343.2	420.1	498.3	577.5	655.8
-45°	0.0	25.4	67.7	125.1	186.9	254.7	324.3	398.0	472.9	548.9	624.3
-47.5°	0.0	24.2	62.9	116.9	175.9	239.5	304.4	374.7	446.2	518.9	591.0
-50°	0.0	23.1	57.9	109.0	164.5	223.7	285.3	350.4	418.6	487.8	556.4
-52.5°	0.0	21.9	52.7	100.9	152.6	207.3	265.8	325.0	389.8	455.6	520.5
-55°	0.0	20.6	47.3	92.6	140.2	191.6	245.8	298.9	359.8	422.3	483.5
-57.5°	0.0	19.3	41.6	84.0	127.4	175.4	225.3	275.3	328.7	387.2	445.4
-60°	0.0	17.9	35.9	75.1	114.3	158.7	204.4	251.1	297.5	350.7	405.6
-62.5°	0.0	16.6	33.1	66.1	102.2	141.5	183.6	226.3	268.7	313.1	363.5
-65°	0.0	15.2	30.3	56.8	89.9	123.9	162.2	200.8	239.2	278.5	320.3
-67.5°	0.0	13.7	27.4	47.4	77.3	107.0	140.2	174.9	209.0	244.1	280.0
-70°	0.0	12.3	24.5	37.8	64.5	91.1	117.8	148.6	179.0	209.0	240.5
-72.5°	0.0	10.8	21.6	32.3	51.5	74.8	98.0	121.9	148.6	174.9	200.8
-75°	0.0	9.3	18.6	27.8	38.3	58.4	78.3	98.3	117.8	140.4	162.7
-77.5°	0.0	7.8	15.5	23.2	30.9	41.7	58.4	75.6	92.0	107.5	124.2
-80°	0.0	6.2	12.5	18.7	24.8	30.9	38.3	52.8	66.7	79.8	92.1
-82.5°	0.0	4.7	9.4	14.0	18.7	23.2	27.8	33.8	41.2	51.9	62.0
-85°	0.0	3.1	6.2	9.4	12.5	15.5	18.6	22.6	27.0	31.5	36.3
-87.5°	0.0	1.6	3.1	4.7	6.2	7.8	9.3	11.3	13.5	15.8	18.2
-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):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.9	21.5	23.2	24.7	26.2	27.7	29.1	30.5	31.8	33.0	34.2
85°	39.8	43.1	48.8	54.6	60.2	65.6	70.7	75.7	80.5	85.0	89.3
82.5°	71.2	80.5	89.9	99.6	108.0	116.1	124.0	132.2	140.3	148.5	156.5
80°	104.7	117.6	132.4	146.5	158.8	170.6	181.9	192.8	204.6	217.2	230.0
77.5°	143.3	161.8	179.1	195.4	211.1	228.2	244.7	260.6	277.1	293.4	309.0
75°	184.8	205.9	228.0	249.9	271.1	291.7	311.7	332.2	352.8	373.4	393.0
72.5°	227.5	254.3	280.5	306.0	332.3	358.0	382.8	406.7	431.3	456.5	480.6
70°	272.0	302.5	334.8	365.9	395.5	425.5	455.8	485.0	513.6	542.7	571.7
67.5°	316.8	355.1	391.4	426.0	461.0	496.3	530.4	565.4	599.1	633.1	665.5
65°	366.1	408.0	447.7	487.3	527.0	568.4	608.8	647.7	686.9	724.8	758.9
62.5°	414.5	459.0	503.0	548.0	595.3	641.8	685.9	730.6	776.1	815.8	850.4
60°	459.0	508.5	557.7	608.9	661.2	711.2	760.7	809.3	858.2	903.8	932.1
57.5°	502.0	556.7	611.2	666.4	721.5	777.3	829.2	882.6	928.2	966.7	999.4
55°	543.9	603.3	661.3	719.2	778.7	837.0	893.5	944.3	988.8	1020.9	1052.4
52.5°	584.6	647.2	707.2	769.8	833.0	894.9	953.9	1001.1	1037.5	1070.3	1099.8
50°	624.1	687.8	751.1	819.0	885.7	951.2	1006.8	1048.0	1085.1	1117.0	1147.9
47.5°	661.1	727.5	795.1	866.5	936.8	1000.1	1051.2	1094.3	1132.1	1166.6	1203.1
45°	696.7	767.2	838.6	912.3	984.1	1045.4	1094.5	1140.9	1176.4	1215.3	1257.2
42.5°	731.3	805.3	880.2	956.3	1028.9	1086.0	1135.1	1177.7	1219.4	1265.5	1316.1
40°	764.2	841.2	919.4	998.7	1071.0	1121.6	1169.7	1214.9	1265.5	1320.3	1378.9
37.5°	795.0	875.0	956.2	1038.5	1102.0	1154.2	1203.4	1253.8	1312.6	1376.1	1455.7
35°	823.8	906.5	990.4	1069.4	1129.7	1185.1	1236.1	1292.3	1361.0	1444.0	1545.8
32.5°	850.5	935.6	1022.0	1094.5	1155.3	1212.9	1265.2	1335.3	1417.9	1516.6	1660.9
30°	875.2	962.3	1048.9	1119.0	1178.4	1236.2	1300.0	1378.9	1475.5	1619.7	1804.2
27.5°	898.0	986.5	1070.1	1139.5	1199.1	1258.6	1333.2	1428.9	1556.1	1728.1	1957.5
25°	919.0	1009.6	1090.3	1156.6	1218.2	1284.2	1365.3	1472.9	1640.1	1862.3	2172.3
22.5°	938.0	1030.5	1109.7	1171.5	1236.2	1307.7	1402.3	1536.8	1729.6	1989.1	2388.9
20°	954.9	1046.2	1124.3	1185.5	1252.7	1327.0	1435.2	1597.4	1829.9	2165.9	2676.3
17.5°	969.8	1060.0	1135.2	1199.0	1268.8	1349.0	1467.3	1649.9	1919.1	2320.2	2966.9
15°	982.5	1071.8	1144.4	1210.4	1282.9	1374.2	1511.8	1718.5	2022.6	2480.7	3220.2
12.5°	993.0	1081.6	1151.9	1219.9	1294.4	1395.2	1550.0	1783.2	2130.1	2677.9	3593.3
10°	1001.4	1089.2	1157.6	1227.1	1303.5	1412.1	1581.0	1836.2	2219.2	2848.7	3911.6
7.5°	1009.1	1094.8	1161.6	1232.3	1310.0	1424.6	1604.5	1876.9	2287.5	2982.8	4163.6
5°	1014.7	1098.2	1163.8	1235.3	1315.4	1432.8	1620.5	1905.3	2334.6	3078.7	4340.9
2.5°	1018.2	1099.3	1164.3	1236.0	1319.4	1436.5	1628.8	1920.9	2371.7	3124.1	4436.1
0°	1019.3	1098.3	1162.9	1234.6	1320.8	1435.6	1629.4	1923.7	2390.3	3122.5	4450.5
-2.5°	1018.2	1099.3	1164.3	1236.0	1319.4	1436.5	1628.8	1920.9	2371.7	3124.1	4436.1
-5°	1014.7	1098.2	1163.8	1235.3	1315.4	1432.8	1620.5	1905.3	2334.6	3078.7	4340.9
-7.5°	1009.1	1094.8	1161.6	1232.3	1310.0	1424.6	1604.5	1876.9	2287.5	2982.8	4163.6
-10°	1001.4	1089.2	1157.6	1227.1	1303.5	1412.1	1581.0	1836.2	2219.2	2848.7	3911.6
-12.5°	993.0	1081.6	1151.9	1219.9	1294.4	1395.2	1550.0	1783.2	2130.1	2677.9	3593.3
-15°	982.5	1071.8	1144.4	1210.4	1282.9	1374.2	1511.8	1718.5	2022.6	2480.7	3220.2
-17.5°	969.8	1060.0	1135.2	1199.0	1268.8	1349.0	1467.3	1649.9	1919.1	2320.2	2966.9
-20°	954.9	1046.2	1124.3	1185.5	1252.7	1327.0	1435.2	1597.4	1829.9	2165.9	2676.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627517 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-735-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°	938.0	1030.5	1109.7	1171.5	1236.2	1307.7	1402.3	1536.8	1729.6	1989.1	2388.9
-25°	919.0	1009.6	1090.3	1156.6	1218.2	1284.2	1365.3	1472.9	1640.1	1862.3	2172.3
-27.5°	898.0	986.5	1070.1	1139.5	1199.1	1258.6	1333.2	1428.9	1556.1	1728.1	1957.5
-30°	875.2	962.3	1048.9	1119.0	1178.4	1236.2	1300.0	1378.9	1475.5	1619.7	1804.2
-32.5°	850.5	935.6	1022.0	1094.5	1155.3	1212.9	1265.2	1335.3	1417.9	1516.6	1660.9
-35°	823.8	906.5	990.4	1069.4	1129.7	1185.1	1236.1	1292.3	1361.0	1444.0	1545.8
-37.5°	795.0	875.0	956.2	1038.5	1102.0	1154.2	1203.4	1253.8	1312.6	1376.1	1455.7
-40°	764.2	841.2	919.4	998.7	1071.0	1121.6	1169.7	1214.9	1265.5	1320.3	1378.9
-42.5°	731.3	805.3	880.2	956.3	1028.9	1086.0	1135.1	1177.7	1219.4	1265.5	1316.1
-45°	696.7	767.2	838.6	912.3	984.1	1045.4	1094.5	1140.9	1176.4	1215.3	1257.2
-47.5°	661.1	727.5	795.1	866.5	936.8	1000.1	1051.2	1094.3	1132.1	1166.6	1203.1
-50°	624.1	687.8	751.1	819.0	885.7	951.2	1006.8	1048.0	1085.1	1117.0	1147.9
-52.5°	584.6	647.2	707.2	769.8	833.0	894.9	953.9	1001.1	1037.5	1070.3	1099.8
-55°	543.9	603.3	661.3	719.2	778.7	837.0	893.5	944.3	988.8	1020.9	1052.4
-57.5°	502.0	556.7	611.2	666.4	721.5	777.3	829.2	882.6	928.2	966.7	999.4
-60°	459.0	508.5	557.7	608.9	661.2	711.2	760.7	809.3	858.2	903.8	932.1
-62.5°	414.5	459.0	503.0	548.0	595.3	641.8	685.9	730.6	776.1	815.8	850.4
-65°	366.1	408.0	447.7	487.3	527.0	568.4	608.8	647.7	686.9	724.8	758.9
-67.5°	316.8	355.1	391.4	426.0	461.0	496.3	530.4	565.4	599.1	633.1	665.5
-70°	272.0	302.5	334.8	365.9	395.5	425.5	455.8	485.0	513.6	542.7	571.7
-72.5°	227.5	254.3	280.5	306.0	332.3	358.0	382.8	406.7	431.3	456.5	480.6
-75°	184.8	205.9	228.0	249.9	271.1	291.7	311.7	332.2	352.8	373.4	393.0
-77.5°	143.3	161.8	179.1	195.4	211.1	228.2	244.7	260.6	277.1	293.4	309.0
-80°	104.7	117.6	132.4	146.5	158.8	170.6	181.9	192.8	204.6	217.2	230.0
-82.5°	71.2	80.5	89.9	99.6	108.0	116.1	124.0	132.2	140.3	148.5	156.5
-85°	39.8	43.1	48.8	54.6	60.2	65.6	70.7	75.7	80.5	85.0	89.3
-87.5°	19.9	21.5	23.2	24.7	26.2	27.7	29.1	30.5	31.8	33.0	34.2
-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: P627517 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-735-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°	35.3	34.8	34.2	33.5	32.5	34.8	37.1	39.4	41.6	40.3	38.9
85°	93.4	95.5	97.3	98.9	100.1	104.6	108.9	112.9	116.6	116.5	116.1
82.5°	164.4	169.7	174.2	178.3	182.0	187.2	191.9	195.9	199.3	201.9	204.1
80°	242.3	250.9	258.2	264.9	270.9	277.8	284.2	289.9	294.9	297.6	299.3
77.5°	324.5	337.1	348.3	359.0	369.2	379.2	388.4	396.5	403.6	405.3	404.9
75°	411.6	428.5	444.3	459.0	472.5	484.1	494.0	502.2	509.0	512.3	514.1
72.5°	503.5	524.2	542.8	559.6	574.0	585.9	596.3	605.3	612.9	617.7	620.6
70°	599.2	623.7	642.8	658.6	670.9	682.8	696.2	708.9	720.9	727.6	730.2
67.5°	695.1	720.5	738.1	752.4	763.7	775.4	792.3	807.4	820.9	830.1	835.8
65°	789.0	815.8	833.4	847.2	857.5	869.3	888.1	903.2	914.6	923.7	931.9
62.5°	881.9	908.9	928.5	944.8	959.9	972.8	988.3	1000.9	1010.7	1019.7	1029.8
60°	962.3	994.4	1014.9	1031.5	1050.1	1070.3	1081.7	1091.1	1099.4	1106.6	1112.8
57.5°	1028.0	1056.6	1082.9	1102.9	1122.3	1141.1	1154.5	1163.4	1170.6	1176.0	1178.1
55°	1083.0	1112.5	1141.9	1163.5	1182.6	1200.2	1214.9	1226.5	1236.1	1243.6	1245.4
52.5°	1132.3	1165.4	1194.3	1219.2	1244.5	1265.1	1281.3	1297.1	1310.8	1321.9	1326.7
50°	1185.8	1220.5	1256.6	1289.9	1316.9	1340.5	1360.1	1382.4	1405.8	1425.2	1437.4
47.5°	1242.2	1282.2	1325.7	1366.9	1398.7	1433.7	1466.3	1499.3	1542.9	1579.5	1606.6
45°	1301.2	1352.5	1402.2	1454.4	1498.4	1564.4	1625.6	1678.2	1748.0	1811.4	1861.8
42.5°	1370.8	1434.7	1495.7	1579.4	1667.0	1757.1	1854.4	1937.4	2046.6	2157.8	2247.5
40°	1453.3	1534.9	1642.4	1754.8	1893.1	2016.9	2184.9	2334.6	2502.2	2714.1	2889.1
37.5°	1552.6	1678.4	1827.8	1984.5	2200.2	2406.2	2683.9	2976.5	3242.1	3649.7	3992.6
35°	1681.6	1857.4	2054.2	2331.4	2636.6	3022.8	3456.0	4021.3	4506.0	5193.6	5850.6
32.5°	1847.7	2073.8	2395.1	2823.0	3274.3	3975.4	4662.8	5644.3	6553.0	7642.8	8819.0
30°	2032.6	2376.8	2867.6	3454.6	4296.3	5327.7	6539.5	8046.9	9696.5	11228.3	12737.7
27.5°	2300.7	2793.7	3438.5	4385.7	5697.5	7140.5	9263.6	11309.9	13444.7	15342.5	16925.2
25°	2613.6	3265.1	4262.2	5656.9	7431.0	9902.0	12443.5	14968.9	17264.8	19251.6	21000.4
22.5°	3017.6	3954.7	5284.0	7090.5	9853.1	12814.8	15795.0	18580.6	21029.6	23242.0	25135.0
20°	3457.2	4629.7	6528.0	9221.9	12381.2	15755.3	19120.3	22087.6	24784.2	27292.6	29426.2
17.5°	4014.2	5656.3	8060.3	11291.8	14944.5	18641.3	22176.4	25396.5	28455.8	31110.2	33339.4
15°	4488.9	6560.4	9697.9	13487.9	17438.7	21338.4	25070.5	28568.2	31749.0	34472.4	36568.1
12.5°	5122.1	7573.7	11151.9	15375.8	19657.1	23760.4	27691.6	31306.7	34543.7	37237.1	38868.5
10°	5720.6	8622.7	12557.2	16962.2	21410.1	25782.0	29979.5	33687.0	36692.4	38835.0	40225.3
7.5°	6229.5	9524.3	13700.4	18244.4	22802.9	27373.8	31622.6	35230.0	38001.1	39790.4	40758.3
5°	6609.5	10198.2	14548.9	19286.3	23964.0	28615.1	32830.8	36217.2	38612.3	39941.6	40427.5
2.5°	6851.7	10594.0	15041.3	19969.9	24741.1	29400.5	33659.6	36992.9	39024.9	39906.0	39989.7
0°	6948.5	10645.2	15117.2	20328.6	24936.9	29624.3	33895.3	37312.1	39178.4	39903.4	39889.0
-2.5°	6851.7	10594.0	15041.3	19969.9	24741.1	29400.5	33659.6	36992.9	39024.9	39906.0	39989.7
-5°	6609.5	10198.2	14548.9	19286.3	23964.0	28615.1	32830.8	36217.2	38612.3	39941.6	40427.5
-7.5°	6229.5	9524.3	13700.4	18244.4	22802.9	27373.8	31622.6	35230.0	38001.1	39790.4	40758.3
-10°	5720.6	8622.7	12557.2	16962.2	21410.1	25782.0	29979.5	33687.0	36692.4	38835.0	40225.3
-12.5°	5122.1	7573.7	11151.9	15375.8	19657.1	23760.4	27691.6	31306.7	34543.7	37237.1	38868.5
-15°	4488.9	6560.4	9697.9	13487.9	17438.7	21338.4	25070.5	28568.2	31749.0	34472.4	36568.1
-17.5°	4014.2	5656.3	8060.3	11291.8	14944.5	18641.3	22176.4	25396.5	28455.8	31110.2	33339.4
-20°	3457.2	4629.7	6528.0	9221.9	12381.2	15755.3	19120.3	22087.6	24784.2	27292.6	29426.2



REPORT NUMBER: P627517 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3017.6	3954.7	5284.0	7090.5	9853.1	12814.8	15795.0	18580.6	21029.6	23242.0	25135.0
-25°	2613.6	3265.1	4262.2	5656.9	7431.0	9902.0	12443.5	14968.9	17264.8	19251.6	21000.4
-27.5°	2300.7	2793.7	3438.5	4385.7	5697.5	7140.5	9263.6	11309.9	13444.7	15342.5	16925.2
-30°	2032.6	2376.8	2867.6	3454.6	4296.3	5327.7	6539.5	8046.9	9696.5	11228.3	12737.7
-32.5°	1847.7	2073.8	2395.1	2823.0	3274.3	3975.4	4662.8	5644.3	6553.0	7642.8	8819.0
-35°	1681.6	1857.4	2054.2	2331.4	2636.6	3022.8	3456.0	4021.3	4506.0	5193.6	5850.6
-37.5°	1552.6	1678.4	1827.8	1984.5	2200.2	2406.2	2683.9	2976.5	3242.1	3649.7	3992.6
-40°	1453.3	1534.9	1642.4	1754.8	1893.1	2016.9	2184.9	2334.6	2502.2	2714.1	2889.1
-42.5°	1370.8	1434.7	1495.7	1579.4	1667.0	1757.1	1854.4	1937.4	2046.6	2157.8	2247.5
-45°	1301.2	1352.5	1402.2	1454.4	1498.4	1564.4	1625.6	1678.2	1748.0	1811.4	1861.8
-47.5°	1242.2	1282.2	1325.7	1366.9	1398.7	1433.7	1466.3	1499.3	1542.9	1579.5	1606.6
-50°	1185.8	1220.5	1256.6	1289.9	1316.9	1340.5	1360.1	1382.4	1405.8	1425.2	1437.4
-52.5°	1132.3	1165.4	1194.3	1219.2	1244.5	1265.1	1281.3	1297.1	1310.8	1321.9	1326.7
-55°	1083.0	1112.5	1141.9	1163.5	1182.6	1200.2	1214.9	1226.5	1236.1	1243.6	1245.4
-57.5°	1028.0	1056.6	1082.9	1102.9	1122.3	1141.1	1154.5	1163.4	1170.6	1176.0	1178.1
-60°	962.3	994.4	1014.9	1031.5	1050.1	1070.3	1081.7	1091.1	1099.4	1106.6	1112.8
-62.5°	881.9	908.9	928.5	944.8	959.9	972.8	988.3	1000.9	1010.7	1019.7	1029.8
-65°	789.0	815.8	833.4	847.2	857.5	869.3	888.1	903.2	914.6	923.7	931.9
-67.5°	695.1	720.5	738.1	752.4	763.7	775.4	792.3	807.4	820.9	830.1	835.8
-70°	599.2	623.7	642.8	658.6	670.9	682.8	696.2	708.9	720.9	727.6	730.2
-72.5°	503.5	524.2	542.8	559.6	574.0	585.9	596.3	605.3	612.9	617.7	620.6
-75°	411.6	428.5	444.3	459.0	472.5	484.1	494.0	502.2	509.0	512.3	514.1
-77.5°	324.5	337.1	348.3	359.0	369.2	379.2	388.4	396.5	403.6	405.3	404.9
-80°	242.3	250.9	258.2	264.9	270.9	277.8	284.2	289.9	294.9	297.6	299.3
-82.5°	164.4	169.7	174.2	178.3	182.0	187.2	191.9	195.9	199.3	201.9	204.1
-85°	93.4	95.5	97.3	98.9	100.1	104.6	108.9	112.9	116.6	116.5	116.1
-87.5°	35.3	34.8	34.2	33.5	32.5	34.8	37.1	39.4	41.6	40.3	38.9
-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: P627517 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-735-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°	37.4	35.8	35.9	35.9	35.9	35.8	37.4	38.9	40.3	41.6	39.4
85°	115.3	114.3	111.2	107.7	111.2	114.3	115.3	116.1	116.5	116.6	112.9
82.5°	205.8	207.1	204.4	201.0	204.4	207.1	205.8	204.1	201.9	199.3	195.9
80°	300.1	300.1	297.6	294.3	297.6	300.1	300.1	299.3	297.6	294.9	289.9
77.5°	403.2	400.3	401.5	402.0	401.5	400.3	403.2	404.9	405.3	403.6	396.5
75°	514.9	514.4	512.7	509.6	512.7	514.4	514.9	514.1	512.3	509.0	502.2
72.5°	622.0	621.9	620.3	617.3	620.3	621.9	622.0	620.6	617.7	612.9	605.3
70°	730.8	729.5	731.3	732.2	731.3	729.5	730.8	730.2	727.6	720.9	708.9
67.5°	840.3	843.2	842.7	839.8	842.7	843.2	840.3	835.8	830.1	820.9	807.4
65°	938.5	943.4	946.4	947.5	946.4	943.4	938.5	931.9	923.7	914.6	903.2
62.5°	1037.8	1043.4	1043.8	1040.8	1043.8	1043.4	1037.8	1029.8	1019.7	1010.7	1000.9
60°	1116.3	1117.2	1115.9	1112.6	1115.9	1117.2	1116.3	1112.8	1106.6	1099.4	1091.1
57.5°	1178.1	1176.0	1173.5	1170.0	1173.5	1176.0	1178.1	1178.1	1176.0	1170.6	1163.4
55°	1244.4	1241.0	1238.0	1234.6	1238.0	1241.0	1244.4	1245.4	1243.6	1236.1	1226.5
52.5°	1327.8	1325.9	1323.9	1320.8	1323.9	1325.9	1327.8	1326.7	1321.9	1310.8	1297.1
50°	1443.6	1445.4	1445.3	1442.8	1445.3	1445.4	1443.6	1437.4	1425.2	1405.8	1382.4
47.5°	1623.8	1633.4	1639.9	1643.8	1639.9	1633.4	1623.8	1606.6	1579.5	1542.9	1499.3
45°	1894.0	1913.2	1926.7	1938.1	1926.7	1913.2	1894.0	1861.8	1811.4	1748.0	1678.2
42.5°	2310.7	2353.7	2373.9	2368.8	2373.9	2353.7	2310.7	2247.5	2157.8	2046.6	1937.4
40°	3005.8	3075.1	3113.5	3144.0	3113.5	3075.1	3005.8	2889.1	2714.1	2502.2	2334.6
37.5°	4226.7	4361.1	4432.0	4493.5	4432.0	4361.1	4226.7	3992.6	3649.7	3242.1	2976.5
35°	6341.6	6644.1	6806.0	6862.3	6806.0	6644.1	6341.6	5850.6	5193.6	4506.0	4021.3
32.5°	9734.2	10292.1	10600.7	10839.0	10600.7	10292.1	9734.2	8819.0	7642.8	6553.0	5644.3
30°	13932.9	14667.7	15075.8	15275.1	15075.8	14667.7	13932.9	12737.7	11228.3	9696.5	8046.9
27.5°	18237.0	19072.4	19512.5	19488.7	19512.5	19072.4	18237.0	16925.2	15342.5	13444.7	11309.9
25°	22499.5	23467.2	23905.6	24298.1	23905.6	23467.2	22499.5	21000.4	19251.6	17264.8	14968.9
22.5°	26810.6	27942.1	28559.5	28849.0	28559.5	27942.1	26810.6	25135.0	23242.0	21029.6	18580.6
20°	31070.4	32330.0	32985.4	33270.8	32985.4	32330.0	31070.4	29426.2	27292.6	24784.2	22087.6
17.5°	34848.4	36078.0	36702.8	36967.5	36702.8	36078.0	34848.4	33339.4	31110.2	28455.8	25396.5
15°	37865.0	38772.0	39303.3	39444.0	39303.3	38772.0	37865.0	36568.1	34472.4	31749.0	28568.2
12.5°	39950.3	40301.6	40557.1	40635.6	40557.1	40301.6	39950.3	38868.5	37237.1	34543.7	31306.7
10°	41016.4	40857.9	40792.4	40800.7	40792.4	40857.9	41016.4	40225.3	38835.0	36692.4	33687.0
7.5°	40943.0	40708.3	40236.9	40161.8	40236.9	40708.3	40943.0	40758.3	39790.4	38001.1	35230.0
5°	40354.8	39927.4	39144.9	38920.0	39144.9	39927.4	40354.8	40427.5	39941.6	38612.3	36217.2
2.5°	39669.2	38898.8	38177.9	37714.1	38177.9	38898.8	39669.2	39989.7	39906.0	39024.9	36992.9
0°	39465.5	38575.4	37642.3	37340.8	37642.3	38575.4	39465.5	39889.0	39903.4	39178.4	37312.1
-2.5°	39669.2	38898.8	38177.9	37714.1	38177.9	38898.8	39669.2	39989.7	39906.0	39024.9	36992.9
-5°	40354.8	39927.4	39144.9	38920.0	39144.9	39927.4	40354.8	40427.5	39941.6	38612.3	36217.2
-7.5°	40943.0	40708.3	40236.9	40161.8	40236.9	40708.3	40943.0	40758.3	39790.4	38001.1	35230.0
-10°	41016.4	40857.9	40792.4	40800.7	40792.4	40857.9	41016.4	40225.3	38835.0	36692.4	33687.0
-12.5°	39950.3	40301.6	40557.1	40635.6	40557.1	40301.6	39950.3	38868.5	37237.1	34543.7	31306.7
-15°	37865.0	38772.0	39303.3	39444.0	39303.3	38772.0	37865.0	36568.1	34472.4	31749.0	28568.2
-17.5°	34848.4	36078.0	36702.8	36967.5	36702.8	36078.0	34848.4	33339.4	31110.2	28455.8	25396.5
-20°	31070.4	32330.0	32985.4	33270.8	32985.4	32330.0	31070.4	29426.2	27292.6	24784.2	22087.6



REPORT NUMBER: P627517 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-735-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°	26810.6	27942.1	28559.5	28849.0	28559.5	27942.1	26810.6	25135.0	23242.0	21029.6	18580.6
-25°	22499.5	23467.2	23905.6	24298.1	23905.6	23467.2	22499.5	21000.4	19251.6	17264.8	14968.9
-27.5°	18237.0	19072.4	19512.5	19488.7	19512.5	19072.4	18237.0	16925.2	15342.5	13444.7	11309.9
-30°	13932.9	14667.7	15075.8	15275.1	15075.8	14667.7	13932.9	12737.7	11228.3	9696.5	8046.9
-32.5°	9734.2	10292.1	10600.7	10839.0	10600.7	10292.1	9734.2	8819.0	7642.8	6553.0	5644.3
-35°	6341.6	6644.1	6806.0	6862.3	6806.0	6644.1	6341.6	5850.6	5193.6	4506.0	4021.3
-37.5°	4226.7	4361.1	4432.0	4493.5	4432.0	4361.1	4226.7	3992.6	3649.7	3242.1	2976.5
-40°	3005.8	3075.1	3113.5	3144.0	3113.5	3075.1	3005.8	2889.1	2714.1	2502.2	2334.6
-42.5°	2310.7	2353.7	2373.9	2368.8	2373.9	2353.7	2310.7	2247.5	2157.8	2046.6	1937.4
-45°	1894.0	1913.2	1926.7	1938.1	1926.7	1913.2	1894.0	1861.8	1811.4	1748.0	1678.2
-47.5°	1623.8	1633.4	1639.9	1643.8	1639.9	1633.4	1623.8	1606.6	1579.5	1542.9	1499.3
-50°	1443.6	1445.4	1445.3	1442.8	1445.3	1445.4	1443.6	1437.4	1425.2	1405.8	1382.4
-52.5°	1327.8	1325.9	1323.9	1320.8	1323.9	1325.9	1327.8	1326.7	1321.9	1310.8	1297.1
-55°	1244.4	1241.0	1238.0	1234.6	1238.0	1241.0	1244.4	1245.4	1243.6	1236.1	1226.5
-57.5°	1178.1	1176.0	1173.5	1170.0	1173.5	1176.0	1178.1	1178.1	1176.0	1170.6	1163.4
-60°	1116.3	1117.2	1115.9	1112.6	1115.9	1117.2	1116.3	1112.8	1106.6	1099.4	1091.1
-62.5°	1037.8	1043.4	1043.8	1040.8	1043.8	1043.4	1037.8	1029.8	1019.7	1010.7	1000.9
-65°	938.5	943.4	946.4	947.5	946.4	943.4	938.5	931.9	923.7	914.6	903.2
-67.5°	840.3	843.2	842.7	839.8	842.7	843.2	840.3	835.8	830.1	820.9	807.4
-70°	730.8	729.5	731.3	732.2	731.3	729.5	730.8	730.2	727.6	720.9	708.9
-72.5°	622.0	621.9	620.3	617.3	620.3	621.9	622.0	620.6	617.7	612.9	605.3
-75°	514.9	514.4	512.7	509.6	512.7	514.4	514.9	514.1	512.3	509.0	502.2
-77.5°	403.2	400.3	401.5	402.0	401.5	400.3	403.2	404.9	405.3	403.6	396.5
-80°	300.1	300.1	297.6	294.3	297.6	300.1	300.1	299.3	297.6	294.9	289.9
-82.5°	205.8	207.1	204.4	201.0	204.4	207.1	205.8	204.1	201.9	199.3	195.9
-85°	115.3	114.3	111.2	107.7	111.2	114.3	115.3	116.1	116.5	116.6	112.9
-87.5°	37.4	35.8	35.9	35.9	35.9	35.8	37.4	38.9	40.3	41.6	39.4
-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: P627517 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-735-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°	37.1	34.8	32.5	33.5	34.2	34.8	35.3	34.2	33.0	31.8	30.5
85°	108.9	104.6	100.1	98.9	97.3	95.5	93.4	89.3	85.0	80.5	75.7
82.5°	191.9	187.2	182.0	178.3	174.2	169.7	164.4	156.5	148.5	140.3	132.2
80°	284.2	277.8	270.9	264.9	258.2	250.9	242.3	230.0	217.2	204.6	192.8
77.5°	388.4	379.2	369.2	359.0	348.3	337.1	324.5	309.0	293.4	277.1	260.6
75°	494.0	484.1	472.5	459.0	444.3	428.5	411.6	393.0	373.4	352.8	332.2
72.5°	596.3	585.9	574.0	559.6	542.8	524.2	503.5	480.6	456.5	431.3	406.7
70°	696.2	682.8	670.9	658.6	642.8	623.7	599.2	571.7	542.7	513.6	485.0
67.5°	792.3	775.4	763.7	752.4	738.1	720.5	695.1	665.5	633.1	599.1	565.4
65°	888.1	869.3	857.5	847.2	833.4	815.8	789.0	758.9	724.8	686.9	647.7
62.5°	988.3	972.8	959.9	944.8	928.5	908.9	881.9	850.4	815.8	776.1	730.6
60°	1081.7	1070.3	1050.1	1031.5	1014.9	994.4	962.3	932.1	903.8	858.2	809.3
57.5°	1154.5	1141.1	1122.3	1102.9	1082.9	1056.6	1028.0	999.4	966.7	928.2	882.6
55°	1214.9	1200.2	1182.6	1163.5	1141.9	1112.5	1083.0	1052.4	1020.9	988.8	944.3
52.5°	1281.3	1265.1	1244.5	1219.2	1194.3	1165.4	1132.3	1099.8	1070.3	1037.5	1001.1
50°	1360.1	1340.5	1316.9	1289.9	1256.6	1220.5	1185.8	1147.9	1117.0	1085.1	1048.0
47.5°	1466.3	1433.7	1398.7	1366.9	1325.7	1282.2	1242.2	1203.1	1166.6	1132.1	1094.3
45°	1625.6	1564.4	1498.4	1454.4	1402.2	1352.5	1301.2	1257.2	1215.3	1176.4	1140.9
42.5°	1854.4	1757.1	1667.0	1579.4	1495.7	1434.7	1370.8	1316.1	1265.5	1219.4	1177.7
40°	2184.9	2016.9	1893.1	1754.8	1642.4	1534.9	1453.3	1378.9	1320.3	1265.5	1214.9
37.5°	2683.9	2406.2	2200.2	1984.5	1827.8	1678.4	1552.6	1455.7	1376.1	1312.6	1253.8
35°	3456.0	3022.8	2636.6	2331.4	2054.2	1857.4	1681.6	1545.8	1444.0	1361.0	1292.3
32.5°	4662.8	3975.4	3274.3	2823.0	2395.1	2073.8	1847.7	1660.9	1516.6	1417.9	1335.3
30°	6539.5	5327.7	4296.3	3454.6	2867.6	2376.8	2032.6	1804.2	1619.7	1475.5	1378.9
27.5°	9263.6	7140.5	5697.5	4385.7	3438.5	2793.7	2300.7	1957.5	1728.1	1556.1	1428.9
25°	12443.5	9902.0	7431.0	5656.9	4262.2	3265.1	2613.6	2172.3	1862.3	1640.1	1472.9
22.5°	15795.0	12814.8	9853.1	7090.5	5284.0	3954.7	3017.6	2388.9	1989.1	1729.6	1536.8
20°	19120.3	15755.3	12381.2	9221.9	6528.0	4629.7	3457.2	2676.3	2165.9	1829.9	1597.4
17.5°	22176.4	18641.3	14944.5	11291.8	8060.3	5656.3	4014.2	2966.9	2320.2	1919.1	1649.9
15°	25070.5	21338.4	17438.7	13487.9	9697.9	6560.4	4488.9	3220.2	2480.7	2022.6	1718.5
12.5°	27691.6	23760.4	19657.1	15375.8	11151.9	7573.7	5122.1	3593.3	2677.9	2130.1	1783.2
10°	29979.5	25782.0	21410.1	16962.2	12557.2	8622.7	5720.6	3911.6	2848.7	2219.2	1836.2
7.5°	31622.6	27373.8	22802.9	18244.4	13700.4	9524.3	6229.5	4163.6	2982.8	2287.5	1876.9
5°	32830.8	28615.1	23964.0	19286.3	14548.9	10198.2	6609.5	4340.9	3078.7	2334.6	1905.3
2.5°	33659.6	29400.5	24741.1	19969.9	15041.3	10594.0	6851.7	4436.1	3124.1	2371.7	1920.9
0°	33895.3	29624.3	24936.9	20328.6	15117.2	10645.2	6948.5	4450.5	3122.5	2390.3	1923.7
-2.5°	33659.6	29400.5	24741.1	19969.9	15041.3	10594.0	6851.7	4436.1	3124.1	2371.7	1920.9
-5°	32830.8	28615.1	23964.0	19286.3	14548.9	10198.2	6609.5	4340.9	3078.7	2334.6	1905.3
-7.5°	31622.6	27373.8	22802.9	18244.4	13700.4	9524.3	6229.5	4163.6	2982.8	2287.5	1876.9
-10°	29979.5	25782.0	21410.1	16962.2	12557.2	8622.7	5720.6	3911.6	2848.7	2219.2	1836.2
-12.5°	27691.6	23760.4	19657.1	15375.8	11151.9	7573.7	5122.1	3593.3	2677.9	2130.1	1783.2
-15°	25070.5	21338.4	17438.7	13487.9	9697.9	6560.4	4488.9	3220.2	2480.7	2022.6	1718.5
-17.5°	22176.4	18641.3	14944.5	11291.8	8060.3	5656.3	4014.2	2966.9	2320.2	1919.1	1649.9
-20°	19120.3	15755.3	12381.2	9221.9	6528.0	4629.7	3457.2	2676.3	2165.9	1829.9	1597.4



REPORT NUMBER: P627517 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15795.0	12814.8	9853.1	7090.5	5284.0	3954.7	3017.6	2388.9	1989.1	1729.6	1536.8
-25°	12443.5	9902.0	7431.0	5656.9	4262.2	3265.1	2613.6	2172.3	1862.3	1640.1	1472.9
-27.5°	9263.6	7140.5	5697.5	4385.7	3438.5	2793.7	2300.7	1957.5	1728.1	1556.1	1428.9
-30°	6539.5	5327.7	4296.3	3454.6	2867.6	2376.8	2032.6	1804.2	1619.7	1475.5	1378.9
-32.5°	4662.8	3975.4	3274.3	2823.0	2395.1	2073.8	1847.7	1660.9	1516.6	1417.9	1335.3
-35°	3456.0	3022.8	2636.6	2331.4	2054.2	1857.4	1681.6	1545.8	1444.0	1361.0	1292.3
-37.5°	2683.9	2406.2	2200.2	1984.5	1827.8	1678.4	1552.6	1455.7	1376.1	1312.6	1253.8
-40°	2184.9	2016.9	1893.1	1754.8	1642.4	1534.9	1453.3	1378.9	1320.3	1265.5	1214.9
-42.5°	1854.4	1757.1	1667.0	1579.4	1495.7	1434.7	1370.8	1316.1	1265.5	1219.4	1177.7
-45°	1625.6	1564.4	1498.4	1454.4	1402.2	1352.5	1301.2	1257.2	1215.3	1176.4	1140.9
-47.5°	1466.3	1433.7	1398.7	1366.9	1325.7	1282.2	1242.2	1203.1	1166.6	1132.1	1094.3
-50°	1360.1	1340.5	1316.9	1289.9	1256.6	1220.5	1185.8	1147.9	1117.0	1085.1	1048.0
-52.5°	1281.3	1265.1	1244.5	1219.2	1194.3	1165.4	1132.3	1099.8	1070.3	1037.5	1001.1
-55°	1214.9	1200.2	1182.6	1163.5	1141.9	1112.5	1083.0	1052.4	1020.9	988.8	944.3
-57.5°	1154.5	1141.1	1122.3	1102.9	1082.9	1056.6	1028.0	999.4	966.7	928.2	882.6
-60°	1081.7	1070.3	1050.1	1031.5	1014.9	994.4	962.3	932.1	903.8	858.2	809.3
-62.5°	988.3	972.8	959.9	944.8	928.5	908.9	881.9	850.4	815.8	776.1	730.6
-65°	888.1	869.3	857.5	847.2	833.4	815.8	789.0	758.9	724.8	686.9	647.7
-67.5°	792.3	775.4	763.7	752.4	738.1	720.5	695.1	665.5	633.1	599.1	565.4
-70°	696.2	682.8	670.9	658.6	642.8	623.7	599.2	571.7	542.7	513.6	485.0
-72.5°	596.3	585.9	574.0	559.6	542.8	524.2	503.5	480.6	456.5	431.3	406.7
-75°	494.0	484.1	472.5	459.0	444.3	428.5	411.6	393.0	373.4	352.8	332.2
-77.5°	388.4	379.2	369.2	359.0	348.3	337.1	324.5	309.0	293.4	277.1	260.6
-80°	284.2	277.8	270.9	264.9	258.2	250.9	242.3	230.0	217.2	204.6	192.8
-82.5°	191.9	187.2	182.0	178.3	174.2	169.7	164.4	156.5	148.5	140.3	132.2
-85°	108.9	104.6	100.1	98.9	97.3	95.5	93.4	89.3	85.0	80.5	75.7
-87.5°	37.1	34.8	32.5	33.5	34.2	34.8	35.3	34.2	33.0	31.8	30.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627517 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-735-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°	29.1	27.7	26.2	24.7	23.2	21.5	19.9	18.2	15.8	13.5	11.3
85°	70.7	65.6	60.2	54.6	48.8	43.1	39.8	36.3	31.5	27.0	22.6
82.5°	124.0	116.1	108.0	99.6	89.9	80.5	71.2	62.0	51.9	41.2	33.8
80°	181.9	170.6	158.8	146.5	132.4	117.6	104.7	92.1	79.8	66.7	52.8
77.5°	244.7	228.2	211.1	195.4	179.1	161.8	143.3	124.2	107.5	92.0	75.6
75°	311.7	291.7	271.1	249.9	228.0	205.9	184.8	162.7	140.4	117.8	98.3
72.5°	382.8	358.0	332.3	306.0	280.5	254.3	227.5	200.8	174.9	148.6	121.9
70°	455.8	425.5	395.5	365.9	334.8	302.5	272.0	240.5	209.0	179.0	148.6
67.5°	530.4	496.3	461.0	426.0	391.4	355.1	316.8	280.0	244.1	209.0	174.9
65°	608.8	568.4	527.0	487.3	447.7	408.0	366.1	320.3	278.5	239.2	200.8
62.5°	685.9	641.8	595.3	548.0	503.0	459.0	414.5	363.5	313.1	268.7	226.3
60°	760.7	711.2	661.2	608.9	557.7	508.5	459.0	405.6	350.7	297.5	251.1
57.5°	829.2	777.3	721.5	666.4	611.2	556.7	502.0	445.4	387.2	328.7	275.3
55°	893.5	837.0	778.7	719.2	661.3	603.3	543.9	483.5	422.3	359.8	298.9
52.5°	953.9	894.9	833.0	769.8	707.2	647.2	584.6	520.5	455.6	389.8	325.0
50°	1006.8	951.2	885.7	819.0	751.1	687.8	624.1	556.4	487.8	418.6	350.4
47.5°	1051.2	1000.1	936.8	866.5	795.1	727.5	661.1	591.0	518.9	446.2	374.7
45°	1094.5	1045.4	984.1	912.3	838.6	767.2	696.7	624.3	548.9	472.9	398.0
42.5°	1135.1	1086.0	1028.9	956.3	880.2	805.3	731.3	655.8	577.5	498.3	420.1
40°	1169.7	1121.6	1071.0	998.7	919.4	841.2	764.2	686.1	604.9	522.4	441.0
37.5°	1203.4	1154.2	1102.0	1038.5	956.2	875.0	795.0	715.2	631.3	545.8	460.7
35°	1236.1	1185.1	1129.7	1069.4	990.4	906.5	823.8	742.4	656.1	568.1	479.2
32.5°	1265.2	1212.9	1155.3	1094.5	1022.0	935.6	850.5	766.3	679.1	589.2	496.3
30°	1300.0	1236.2	1178.4	1119.0	1048.9	962.3	875.2	788.6	700.3	609.1	512.4
27.5°	1333.2	1258.6	1199.1	1139.5	1070.1	986.5	898.0	809.1	719.6	627.2	528.3
25°	1365.3	1284.2	1218.2	1156.6	1090.3	1009.6	919.0	828.0	736.7	643.0	543.0
22.5°	1402.3	1307.7	1236.2	1171.5	1109.7	1030.5	938.0	845.1	751.9	657.2	556.5
20°	1435.2	1327.0	1252.7	1185.5	1124.3	1046.2	954.9	860.3	765.5	669.7	568.6
17.5°	1467.3	1349.0	1268.8	1199.0	1135.2	1060.0	969.8	873.6	777.3	680.6	579.4
15°	1511.8	1374.2	1282.9	1210.4	1144.4	1071.8	982.5	885.0	787.5	689.8	589.1
12.5°	1550.0	1395.2	1294.4	1219.9	1151.9	1081.6	993.0	894.5	795.9	698.0	597.7
10°	1581.0	1412.1	1303.5	1227.1	1157.6	1089.2	1001.4	902.5	803.8	705.1	604.7
7.5°	1604.5	1424.6	1310.0	1232.3	1161.6	1094.8	1009.1	909.6	810.1	710.6	610.2
5°	1620.5	1432.8	1315.4	1235.3	1163.8	1098.2	1014.7	914.7	814.7	714.6	614.1
2.5°	1628.8	1436.5	1319.4	1236.0	1164.3	1099.3	1018.2	917.8	817.4	717.0	616.5
0°	1629.4	1435.6	1320.8	1234.6	1162.9	1098.3	1019.3	918.8	818.3	717.8	617.3
-2.5°	1628.8	1436.5	1319.4	1236.0	1164.3	1099.3	1018.2	917.8	817.4	717.0	616.5
-5°	1620.5	1432.8	1315.4	1235.3	1163.8	1098.2	1014.7	914.7	814.7	714.6	614.1
-7.5°	1604.5	1424.6	1310.0	1232.3	1161.6	1094.8	1009.1	909.6	810.1	710.6	610.2
-10°	1581.0	1412.1	1303.5	1227.1	1157.6	1089.2	1001.4	902.5	803.8	705.1	604.7
-12.5°	1550.0	1395.2	1294.4	1219.9	1151.9	1081.6	993.0	894.5	795.9	698.0	597.7
-15°	1511.8	1374.2	1282.9	1210.4	1144.4	1071.8	982.5	885.0	787.5	689.8	589.1
-17.5°	1467.3	1349.0	1268.8	1199.0	1135.2	1060.0	969.8	873.6	777.3	680.6	579.4
-20°	1435.2	1327.0	1252.7	1185.5	1124.3	1046.2	954.9	860.3	765.5	669.7	568.6

Classified

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

Scaled Data Report



REPORT NUMBER: P627517 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA4E-735-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°	1402.3	1307.7	1236.2	1171.5	1109.7	1030.5	938.0	845.1	751.9	657.2	556.5
-25°	1365.3	1284.2	1218.2	1156.6	1090.3	1009.6	919.0	828.0	736.7	643.0	543.0
-27.5°	1333.2	1258.6	1199.1	1139.5	1070.1	986.5	898.0	809.1	719.6	627.2	528.3
-30°	1300.0	1236.2	1178.4	1119.0	1048.9	962.3	875.2	788.6	700.3	609.1	512.4
-32.5°	1265.2	1212.9	1155.3	1094.5	1022.0	935.6	850.5	766.3	679.1	589.2	496.3
-35°	1236.1	1185.1	1129.7	1069.4	990.4	906.5	823.8	742.4	656.1	568.1	479.2
-37.5°	1203.4	1154.2	1102.0	1038.5	956.2	875.0	795.0	715.2	631.3	545.8	460.7
-40°	1169.7	1121.6	1071.0	998.7	919.4	841.2	764.2	686.1	604.9	522.4	441.0
-42.5°	1135.1	1086.0	1028.9	956.3	880.2	805.3	731.3	655.8	577.5	498.3	420.1
-45°	1094.5	1045.4	984.1	912.3	838.6	767.2	696.7	624.3	548.9	472.9	398.0
-47.5°	1051.2	1000.1	936.8	866.5	795.1	727.5	661.1	591.0	518.9	446.2	374.7
-50°	1006.8	951.2	885.7	819.0	751.1	687.8	624.1	556.4	487.8	418.6	350.4
-52.5°	953.9	894.9	833.0	769.8	707.2	647.2	584.6	520.5	455.6	389.8	325.0
-55°	893.5	837.0	778.7	719.2	661.3	603.3	543.9	483.5	422.3	359.8	298.9
-57.5°	829.2	777.3	721.5	666.4	611.2	556.7	502.0	445.4	387.2	328.7	275.3
-60°	760.7	711.2	661.2	608.9	557.7	508.5	459.0	405.6	350.7	297.5	251.1
-62.5°	685.9	641.8	595.3	548.0	503.0	459.0	414.5	363.5	313.1	268.7	226.3
-65°	608.8	568.4	527.0	487.3	447.7	408.0	366.1	320.3	278.5	239.2	200.8
-67.5°	530.4	496.3	461.0	426.0	391.4	355.1	316.8	280.0	244.1	209.0	174.9
-70°	455.8	425.5	395.5	365.9	334.8	302.5	272.0	240.5	209.0	179.0	148.6
-72.5°	382.8	358.0	332.3	306.0	280.5	254.3	227.5	200.8	174.9	148.6	121.9
-75°	311.7	291.7	271.1	249.9	228.0	205.9	184.8	162.7	140.4	117.8	98.3
-77.5°	244.7	228.2	211.1	195.4	179.1	161.8	143.3	124.2	107.5	92.0	75.6
-80°	181.9	170.6	158.8	146.5	132.4	117.6	104.7	92.1	79.8	66.7	52.8
-82.5°	124.0	116.1	108.0	99.6	89.9	80.5	71.2	62.0	51.9	41.2	33.8
-85°	70.7	65.6	60.2	54.6	48.8	43.1	39.8	36.3	31.5	27.0	22.6
-87.5°	29.1	27.7	26.2	24.7	23.2	21.5	19.9	18.2	15.8	13.5	11.3
-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: P627517 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA4E-735-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°	9.3	7.8	6.2	4.7	3.1	1.6	0.0
85°	18.6	15.5	12.5	9.4	6.2	3.1	0.0
82.5°	27.8	23.2	18.7	14.0	9.4	4.7	0.0
80°	38.3	30.9	24.8	18.7	12.5	6.2	0.0
77.5°	58.4	41.7	30.9	23.2	15.5	7.8	0.0
75°	78.3	58.4	38.3	27.8	18.6	9.3	0.0
72.5°	98.0	74.8	51.5	32.3	21.6	10.8	0.0
70°	117.8	91.1	64.5	37.8	24.5	12.3	0.0
67.5°	140.2	107.0	77.3	47.4	27.4	13.7	0.0
65°	162.2	123.9	89.9	56.8	30.3	15.2	0.0
62.5°	183.6	141.5	102.2	66.1	33.1	16.6	0.0
60°	204.4	158.7	114.3	75.1	35.9	17.9	0.0
57.5°	225.3	175.4	127.4	84.0	41.6	19.3	0.0
55°	245.8	191.6	140.2	92.6	47.3	20.6	0.0
52.5°	265.8	207.3	152.6	100.9	52.7	21.9	0.0
50°	285.3	223.7	164.5	109.0	57.9	23.1	0.0
47.5°	304.4	239.5	175.9	116.9	62.9	24.2	0.0
45°	324.3	254.7	186.9	125.1	67.7	25.4	0.0
42.5°	343.2	269.5	197.2	132.9	72.2	26.5	0.0
40°	361.2	283.6	207.8	140.1	76.5	27.5	0.0
37.5°	378.1	297.1	218.5	146.8	80.5	28.5	0.0
35°	394.0	310.2	228.7	153.1	84.3	29.4	0.0
32.5°	408.8	322.6	238.2	159.0	87.8	30.3	0.0
30°	422.4	334.1	247.2	164.5	91.1	31.1	0.0
27.5°	435.0	344.7	255.2	169.5	94.0	31.8	0.0
25°	446.4	354.4	262.4	174.1	96.7	32.5	0.0
22.5°	456.6	363.0	269.0	178.2	99.1	33.2	0.0
20°	465.6	370.3	274.8	181.9	101.2	33.7	0.0
17.5°	473.8	376.7	279.9	185.0	103.0	34.2	0.0
15°	481.2	382.1	284.2	187.8	104.5	34.7	0.0
12.5°	487.5	386.7	287.8	190.0	105.8	35.0	0.0
10°	492.8	390.2	290.7	191.7	106.7	35.4	0.0
7.5°	497.0	392.8	292.7	193.0	107.4	35.6	0.0
5°	500.0	394.5	294.0	193.8	107.8	35.8	0.0
2.5°	501.9	395.1	294.5	194.0	107.9	35.9	0.0
0°	502.5	394.8	294.3	193.8	107.7	35.9	0.0
-2.5°	501.9	395.1	294.5	194.0	107.9	35.9	0.0
-5°	500.0	394.5	294.0	193.8	107.8	35.8	0.0
-7.5°	497.0	392.8	292.7	193.0	107.4	35.6	0.0
-10°	492.8	390.2	290.7	191.7	106.7	35.4	0.0
-12.5°	487.5	386.7	287.8	190.0	105.8	35.0	0.0
-15°	481.2	382.1	284.2	187.8	104.5	34.7	0.0
-17.5°	473.8	376.7	279.9	185.0	103.0	34.2	0.0
-20°	465.6	370.3	274.8	181.9	101.2	33.7	0.0

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REPORT NUMBER: P627517 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	456.6	363.0	269.0	178.2	99.1	33.2	0.0
-25°	446.4	354.4	262.4	174.1	96.7	32.5	0.0
-27.5°	435.0	344.7	255.2	169.5	94.0	31.8	0.0
-30°	422.4	334.1	247.2	164.5	91.1	31.1	0.0
-32.5°	408.8	322.6	238.2	159.0	87.8	30.3	0.0
-35°	394.0	310.2	228.7	153.1	84.3	29.4	0.0
-37.5°	378.1	297.1	218.5	146.8	80.5	28.5	0.0
-40°	361.2	283.6	207.8	140.1	76.5	27.5	0.0
-42.5°	343.2	269.5	197.2	132.9	72.2	26.5	0.0
-45°	324.3	254.7	186.9	125.1	67.7	25.4	0.0
-47.5°	304.4	239.5	175.9	116.9	62.9	24.2	0.0
-50°	285.3	223.7	164.5	109.0	57.9	23.1	0.0
-52.5°	265.8	207.3	152.6	100.9	52.7	21.9	0.0
-55°	245.8	191.6	140.2	92.6	47.3	20.6	0.0
-57.5°	225.3	175.4	127.4	84.0	41.6	19.3	0.0
-60°	204.4	158.7	114.3	75.1	35.9	17.9	0.0
-62.5°	183.6	141.5	102.2	66.1	33.1	16.6	0.0
-65°	162.2	123.9	89.9	56.8	30.3	15.2	0.0
-67.5°	140.2	107.0	77.3	47.4	27.4	13.7	0.0
-70°	117.8	91.1	64.5	37.8	24.5	12.3	0.0
-72.5°	98.0	74.8	51.5	32.3	21.6	10.8	0.0
-75°	78.3	58.4	38.3	27.8	18.6	9.3	0.0
-77.5°	58.4	41.7	30.9	23.2	15.5	7.8	0.0
-80°	38.3	30.9	24.8	18.7	12.5	6.2	0.0
-82.5°	27.8	23.2	18.7	14.0	9.4	4.7	0.0
-85°	18.6	15.5	12.5	9.4	6.2	3.1	0.0
-87.5°	9.3	7.8	6.2	4.7	3.1	1.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)