

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: P627187 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3D-722-U-MWR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627187 (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-SA3D-722-U-MWR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, MEDIUM WIDE SYMMETRICAL ROUND N61
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

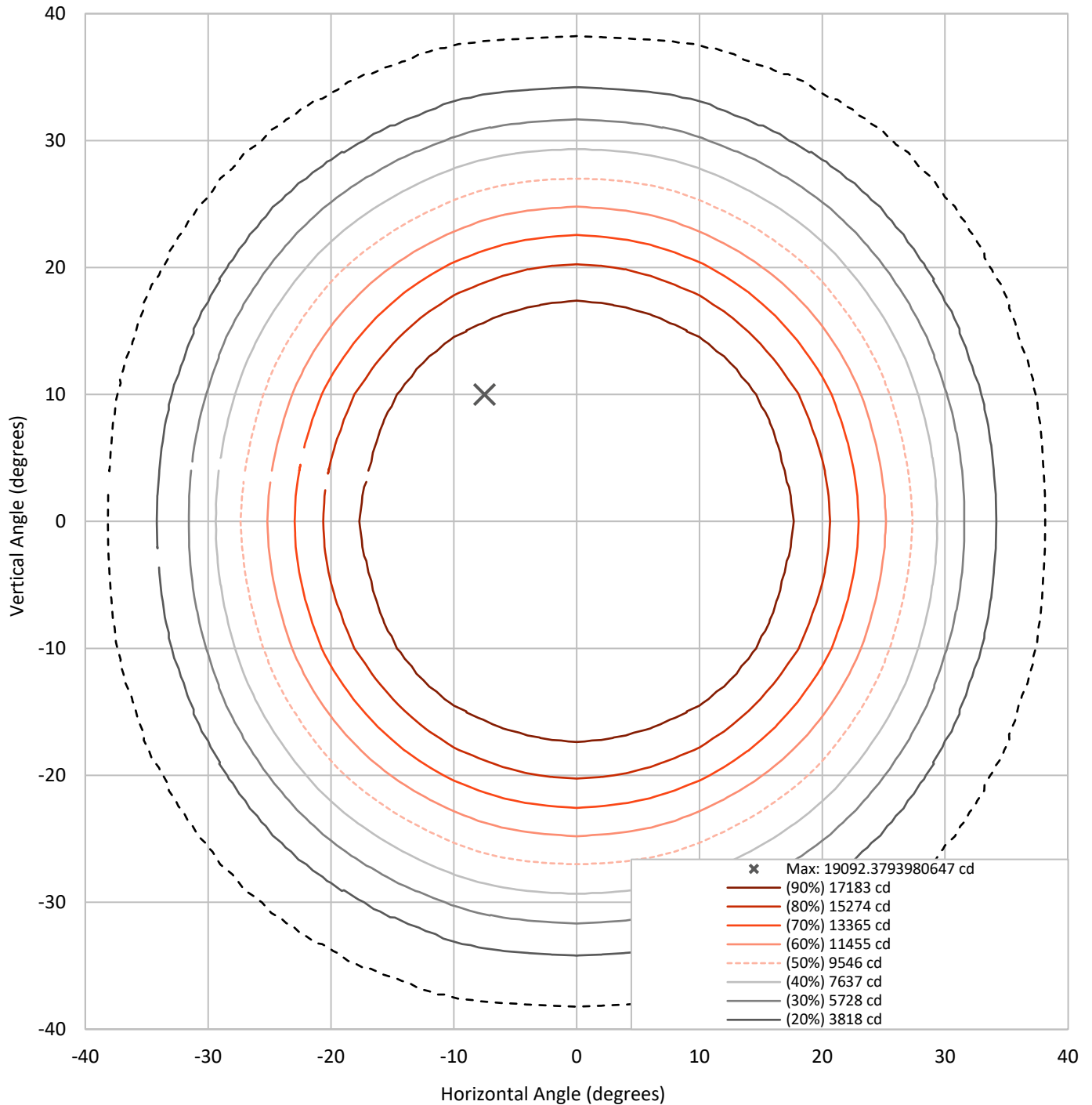
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	16249.4 lumens	Max Intensity:	19092.4 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 10°V
Efficacy:	101.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	51°H x 52.3°V	Field Angle (10%):	74.5°H x 75.5°V
Beam Lumens:	10785.4 lumens	Field Lumens:	14024.1 lumens
Beam Efficiency:	66.4%	Field Efficiency:	86.3%
Input Watts (W):	160.2		
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





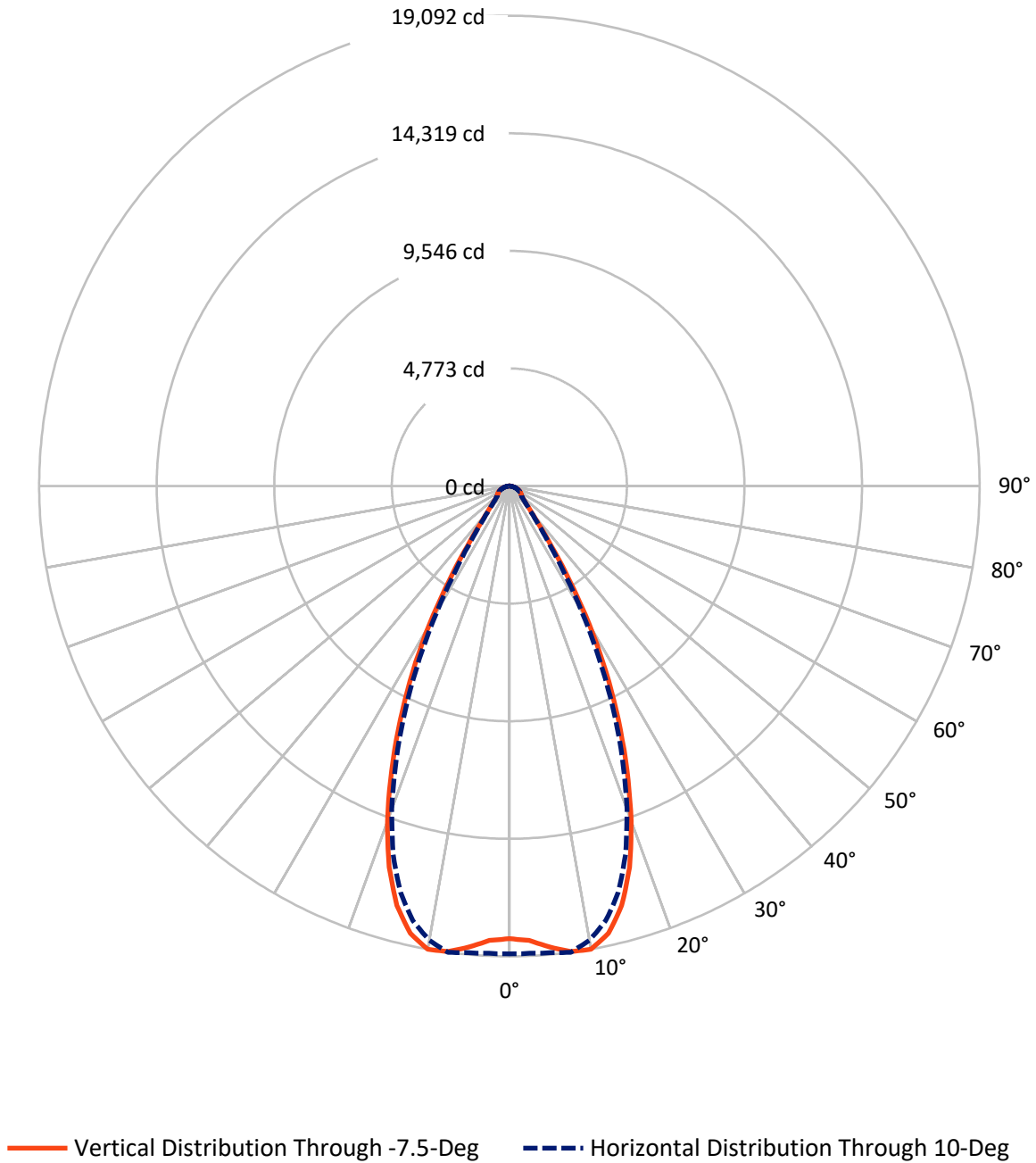
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Lumen Table

90																			
80	0.4	3.8		10.2		16.1		18.0		16.1		10.2		3.8		0.4			
70																			
60	1.7	2.0	4.0	6.5	9.1	11.0	12.5	13.2	13.2	12.5	11.0	9.1	6.5	4.0	2.0	1.7			
50		2.9	5.9	9.4	12.5	15.2	17.0	17.7	17.7	17.0	15.2	12.5	9.4	5.9	2.9				
40	3.1	3.8	7.4	11.4	15.2	19.9	25.0	28.7	28.7	25.0	19.9	15.2	11.4	7.4	3.8	3.1			
30		4.5	8.6	13.1	20.2	36.9	70.7	104.8	104.8	70.7	36.9	20.2	13.1	8.6	4.5				
20	4.0	5.0	9.4	15.3	33.3	104.3	234.0	326.8	326.8	234.0	104.3	33.3	15.3	9.4	5.0	4.0			
10		5.3	9.9	18.1	60.2	222.4	424.7	531.5	531.5	424.7	222.4	60.2	18.1	9.9	5.3				
0	4.3	5.5	10.1	20.4	86.6	304.3	515.2	560.6	560.6	515.2	304.3	86.6	20.4	10.1	5.5	4.3			
-10		5.5	10.1	20.4	86.6	304.3	515.2	560.6	560.6	515.2	304.3	86.6	20.4	10.1	5.5				
-20	4.0	5.3	9.9	18.1	60.2	222.4	424.7	531.5	531.5	424.7	222.4	60.2	18.1	9.9	5.3	4.0			
-30		5.0	9.4	15.3	33.3	104.3	234.0	326.8	326.8	234.0	104.3	33.3	15.3	9.4	5.0				
-40	3.1	4.5	8.6	13.1	20.2	36.9	70.7	104.8	104.8	70.7	36.9	20.2	13.1	8.6	4.5	3.1			
-50		3.8	7.4	11.4	15.2	19.9	25.0	28.7	28.7	25.0	19.9	15.2	11.4	7.4	3.8				
-60	1.7	2.9	5.9	9.4	12.5	15.2	17.0	17.7	17.7	17.0	15.2	12.5	9.4	5.9	2.9	1.7			
-70		2.0	4.0	6.5	9.1	11.0	12.5	13.2	13.2	12.5	11.0	9.1	6.5	4.0	2.0				
-80																			
-90	0.4	3.8		10.2		16.1		18.0		16.1		10.2		3.8		0.4			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

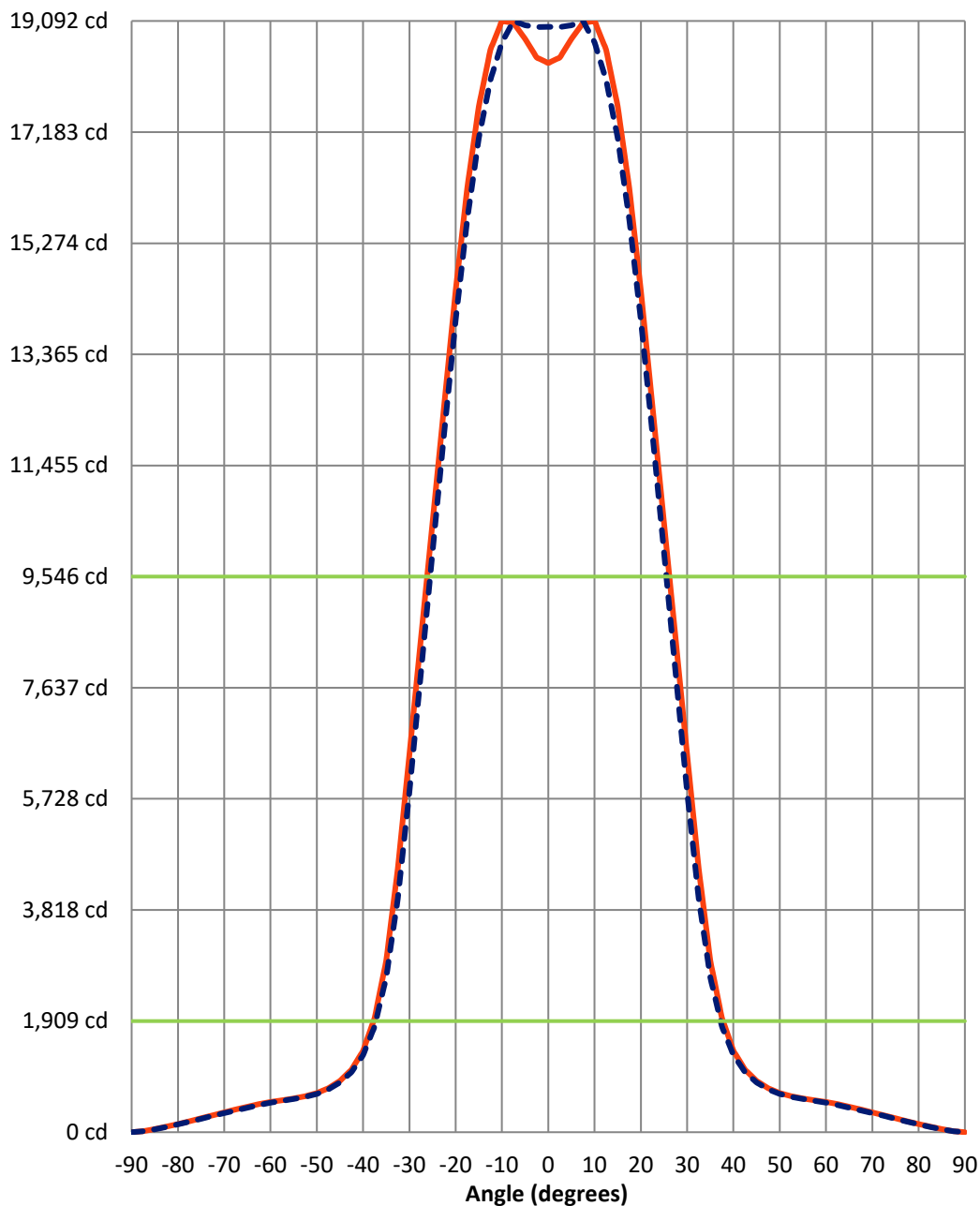
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 51°
 V Angle: 52.3°
 Lumens: 10785.4
 Efficiency: 66.4%

Field:
 H Angle: 74.5°
 V Angle: 75.5°
 Lumens: 14024.1
 Efficiency: 86.3%

Spill:
 Lumens: 2225.3
 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	0.7	1.5	2.2	2.9	3.6	4.3	5.3	6.3	7.3	8.4
85°	0.0	1.5	2.9	4.4	5.8	7.2	8.6	10.5	12.5	14.6	16.9
82.5°	0.0	2.2	4.4	6.5	8.7	10.8	12.9	15.7	19.1	24.1	28.8
80°	0.0	2.9	5.8	8.7	11.5	14.4	17.8	24.6	31.0	37.1	42.9
77.5°	0.0	3.6	7.2	10.8	14.4	19.4	27.2	35.2	42.8	50.1	57.8
75°	0.0	4.3	8.6	12.9	17.8	27.2	36.4	45.7	54.9	65.4	75.7
72.5°	0.0	5.0	10.0	15.0	24.0	34.8	45.6	56.8	69.2	81.4	93.4
70°	0.0	5.7	11.4	17.6	30.0	42.4	54.9	69.2	83.3	97.3	111.9
67.5°	0.0	6.4	12.8	22.0	36.0	49.8	65.3	81.4	97.3	113.6	130.3
65°	0.0	7.1	14.1	26.4	41.8	57.7	75.5	93.4	111.3	129.6	149.1
62.5°	0.0	7.7	15.4	30.8	47.6	65.9	85.5	105.3	125.1	145.7	169.2
60°	0.0	8.3	16.7	35.0	53.2	73.9	95.2	116.9	138.4	163.2	188.8
57.5°	0.0	9.0	19.4	39.1	59.3	81.7	104.9	128.1	153.0	180.2	207.3
55°	0.0	9.6	22.0	43.1	65.3	89.2	114.4	139.1	167.5	196.6	225.1
52.5°	0.0	10.2	24.5	47.0	71.1	96.5	123.7	151.2	181.5	212.1	242.3
50°	0.0	10.7	26.9	50.7	76.6	104.1	132.8	163.1	194.9	227.1	259.0
47.5°	0.0	11.3	29.3	54.5	81.9	111.5	141.7	174.4	207.7	241.6	275.1
45°	0.0	11.8	31.5	58.3	87.0	118.6	150.9	185.3	220.2	255.5	290.6
42.5°	0.0	12.3	33.6	61.9	91.8	125.4	159.7	195.6	232.0	268.8	305.3
40°	0.0	12.8	35.6	65.2	96.8	132.0	168.1	205.3	243.2	281.6	319.4
37.5°	0.0	13.2	37.5	68.4	101.7	138.2	176.0	214.5	254.1	293.9	332.9
35°	0.0	13.7	39.2	71.3	106.4	144.3	183.4	223.1	264.5	305.4	345.5
32.5°	0.0	14.1	40.9	74.0	110.9	150.1	190.3	231.0	274.3	316.1	356.7
30°	0.0	14.5	42.4	76.6	115.1	155.5	196.6	238.5	283.6	325.9	367.0
27.5°	0.0	14.8	43.8	78.9	118.8	160.4	202.5	245.9	292.0	334.9	376.6
25°	0.0	15.1	45.0	81.0	122.2	164.9	207.8	252.8	299.3	342.9	385.4
22.5°	0.0	15.4	46.1	83.0	125.2	168.9	212.5	259.1	305.9	350.0	393.4
20°	0.0	15.7	47.1	84.7	127.9	172.3	216.7	264.7	311.7	356.3	400.4
17.5°	0.0	15.9	47.9	86.1	130.3	175.3	220.5	269.7	316.8	361.8	406.7
15°	0.0	16.1	48.6	87.4	132.3	177.9	224.0	274.2	321.1	366.6	412.0
12.5°	0.0	16.3	49.2	88.4	134.0	180.0	226.9	278.2	324.9	370.5	416.4
10°	0.0	16.4	49.7	89.3	135.3	181.6	229.4	281.5	328.2	374.2	420.1
7.5°	0.0	16.6	50.0	89.8	136.3	182.9	231.3	284.1	330.8	377.1	423.4
5°	0.0	16.6	50.1	90.2	136.9	183.6	232.8	285.9	332.6	379.2	425.8
2.5°	0.0	16.7	50.2	90.3	137.1	183.9	233.6	287.0	333.7	380.5	427.2
0°	0.0	16.7	50.1	90.2	137.0	183.8	233.9	287.4	334.1	380.9	427.7
-2.5°	0.0	16.7	50.2	90.3	137.1	183.9	233.6	287.0	333.7	380.5	427.2
-5°	0.0	16.6	50.1	90.2	136.9	183.6	232.8	285.9	332.6	379.2	425.8
-7.5°	0.0	16.6	50.0	89.8	136.3	182.9	231.3	284.1	330.8	377.1	423.4
-10°	0.0	16.4	49.7	89.3	135.3	181.6	229.4	281.5	328.2	374.2	420.1
-12.5°	0.0	16.3	49.2	88.4	134.0	180.0	226.9	278.2	324.9	370.5	416.4
-15°	0.0	16.1	48.6	87.4	132.3	177.9	224.0	274.2	321.1	366.6	412.0
-17.5°	0.0	15.9	47.9	86.1	130.3	175.3	220.5	269.7	316.8	361.8	406.7
-20°	0.0	15.7	47.1	84.7	127.9	172.3	216.7	264.7	311.7	356.3	400.4

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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	15.4	46.1	83.0	125.2	168.9	212.5	259.1	305.9	350.0	393.4
-25°	0.0	15.1	45.0	81.0	122.2	164.9	207.8	252.8	299.3	342.9	385.4
-27.5°	0.0	14.8	43.8	78.9	118.8	160.4	202.5	245.9	292.0	334.9	376.6
-30°	0.0	14.5	42.4	76.6	115.1	155.5	196.6	238.5	283.6	325.9	367.0
-32.5°	0.0	14.1	40.9	74.0	110.9	150.1	190.3	231.0	274.3	316.1	356.7
-35°	0.0	13.7	39.2	71.3	106.4	144.3	183.4	223.1	264.5	305.4	345.5
-37.5°	0.0	13.2	37.5	68.4	101.7	138.2	176.0	214.5	254.1	293.9	332.9
-40°	0.0	12.8	35.6	65.2	96.8	132.0	168.1	205.3	243.2	281.6	319.4
-42.5°	0.0	12.3	33.6	61.9	91.8	125.4	159.7	195.6	232.0	268.8	305.3
-45°	0.0	11.8	31.5	58.3	87.0	118.6	150.9	185.3	220.2	255.5	290.6
-47.5°	0.0	11.3	29.3	54.5	81.9	111.5	141.7	174.4	207.7	241.6	275.1
-50°	0.0	10.7	26.9	50.7	76.6	104.1	132.8	163.1	194.9	227.1	259.0
-52.5°	0.0	10.2	24.5	47.0	71.1	96.5	123.7	151.2	181.5	212.1	242.3
-55°	0.0	9.6	22.0	43.1	65.3	89.2	114.4	139.1	167.5	196.6	225.1
-57.5°	0.0	9.0	19.4	39.1	59.3	81.7	104.9	128.1	153.0	180.2	207.3
-60°	0.0	8.3	16.7	35.0	53.2	73.9	95.2	116.9	138.4	163.2	188.8
-62.5°	0.0	7.7	15.4	30.8	47.6	65.9	85.5	105.3	125.1	145.7	169.2
-65°	0.0	7.1	14.1	26.4	41.8	57.7	75.5	93.4	111.3	129.6	149.1
-67.5°	0.0	6.4	12.8	22.0	36.0	49.8	65.3	81.4	97.3	113.6	130.3
-70°	0.0	5.7	11.4	17.6	30.0	42.4	54.9	69.2	83.3	97.3	111.9
-72.5°	0.0	5.0	10.0	15.0	24.0	34.8	45.6	56.8	69.2	81.4	93.4
-75°	0.0	4.3	8.6	12.9	17.8	27.2	36.4	45.7	54.9	65.4	75.7
-77.5°	0.0	3.6	7.2	10.8	14.4	19.4	27.2	35.2	42.8	50.1	57.8
-80°	0.0	2.9	5.8	8.7	11.5	14.4	17.8	24.6	31.0	37.1	42.9
-82.5°	0.0	2.2	4.4	6.5	8.7	10.8	12.9	15.7	19.1	24.1	28.8
-85°	0.0	1.5	2.9	4.4	5.8	7.2	8.6	10.5	12.5	14.6	16.9
-87.5°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.3	6.3	7.3	8.4
-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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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°	9.2	10.0	10.7	11.5	12.2	12.9	13.5	14.1	14.7	15.3	15.9
85°	18.5	20.0	22.6	25.4	28.0	30.5	32.9	35.2	37.4	39.6	41.6
82.5°	33.1	37.4	41.9	46.3	50.3	54.0	57.7	61.5	65.3	69.1	72.8
80°	48.7	54.8	61.7	68.2	73.9	79.4	84.7	89.7	95.2	101.1	107.1
77.5°	66.7	75.3	83.4	91.0	98.2	106.2	113.9	121.3	129.0	136.6	143.8
75°	86.0	95.8	106.1	116.3	126.2	135.8	145.1	154.6	164.3	173.8	182.9
72.5°	105.9	118.4	130.6	142.4	154.7	166.6	178.2	189.3	200.8	212.5	223.7
70°	126.6	140.8	155.8	170.3	184.1	198.1	212.2	225.8	239.1	252.7	266.1
67.5°	147.5	165.3	182.2	198.3	214.6	231.0	246.9	263.2	278.9	294.7	309.8
65°	170.4	189.9	208.4	226.8	245.3	264.6	283.4	301.5	319.8	337.4	353.3
62.5°	192.9	213.7	234.2	255.1	277.1	298.8	319.3	340.1	361.3	379.8	395.8
60°	213.7	236.7	259.6	283.5	307.8	331.1	354.1	376.7	399.5	420.7	433.9
57.5°	233.7	259.2	284.5	310.2	335.8	361.8	386.0	410.8	432.0	450.0	465.2
55°	253.2	280.8	307.8	334.8	362.5	389.6	415.9	439.6	460.3	475.2	489.9
52.5°	272.1	301.3	329.2	358.3	387.7	416.6	444.1	466.0	482.9	498.2	511.9
50°	290.5	320.2	349.6	381.2	412.3	442.8	468.7	487.8	505.1	520.0	534.3
47.5°	307.7	338.7	370.1	403.4	436.1	465.6	489.3	509.4	527.0	543.0	560.0
45°	324.3	357.1	390.4	424.7	458.1	486.6	509.5	531.1	547.6	565.7	585.2
42.5°	340.4	374.8	409.7	445.2	478.9	505.5	528.4	548.2	567.6	589.1	612.6
40°	355.7	391.6	428.0	464.9	498.5	522.1	544.5	565.5	589.1	614.6	641.9
37.5°	370.1	407.3	445.1	483.4	512.9	537.2	560.2	583.6	611.0	640.5	677.6
35°	383.5	422.0	461.0	497.8	525.9	551.6	575.4	601.5	633.5	672.1	719.5
32.5°	395.9	435.5	475.7	509.4	537.8	564.6	588.9	621.5	660.0	706.0	773.1
30°	407.4	447.9	488.2	520.9	548.5	575.4	605.1	641.8	686.8	753.9	839.8
27.5°	418.0	459.2	498.1	530.4	558.1	585.8	620.6	665.1	724.3	804.4	911.2
25°	427.8	469.9	507.5	538.4	567.0	597.8	635.5	685.6	763.4	866.9	1011.2
22.5°	436.6	479.6	516.5	545.3	575.4	608.7	652.7	715.4	805.1	925.9	1112.0
20°	444.5	487.0	523.3	551.8	583.1	617.7	668.1	743.6	851.8	1008.2	1245.8
17.5°	451.4	493.4	528.4	558.1	590.6	628.0	683.0	768.0	893.3	1080.0	1381.1
15°	457.3	498.9	532.7	563.4	597.1	639.7	703.7	799.9	941.5	1154.7	1499.0
12.5°	462.3	503.5	536.2	567.8	602.5	649.5	721.5	830.1	991.5	1246.5	1672.7
10°	466.1	507.0	538.8	571.2	606.7	657.3	735.9	854.7	1033.0	1326.1	1820.8
7.5°	469.7	509.7	540.7	573.6	609.8	663.1	746.9	873.7	1064.8	1388.5	1938.1
5°	472.4	511.2	541.7	575.0	612.3	666.9	754.3	886.9	1086.7	1433.1	2020.6
2.5°	474.0	511.7	541.9	575.3	614.2	668.7	758.2	894.2	1104.0	1454.2	2064.9
0°	474.5	511.2	541.3	574.7	614.8	668.3	758.5	895.5	1112.7	1453.5	2071.6
-2.5°	474.0	511.7	541.9	575.3	614.2	668.7	758.2	894.2	1104.0	1454.2	2064.9
-5°	472.4	511.2	541.7	575.0	612.3	666.9	754.3	886.9	1086.7	1433.1	2020.6
-7.5°	469.7	509.7	540.7	573.6	609.8	663.1	746.9	873.7	1064.8	1388.5	1938.1
-10°	466.1	507.0	538.8	571.2	606.7	657.3	735.9	854.7	1033.0	1326.1	1820.8
-12.5°	462.3	503.5	536.2	567.8	602.5	649.5	721.5	830.1	991.5	1246.5	1672.7
-15°	457.3	498.9	532.7	563.4	597.1	639.7	703.7	799.9	941.5	1154.7	1499.0
-17.5°	451.4	493.4	528.4	558.1	590.6	628.0	683.0	768.0	893.3	1080.0	1381.1
-20°	444.5	487.0	523.3	551.8	583.1	617.7	668.1	743.6	851.8	1008.2	1245.8

Classified

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

Scaled Data Report



REPORT NUMBER: P627187 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-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°	436.6	479.6	516.5	545.3	575.4	608.7	652.7	715.4	805.1	925.9	1112.0
-25°	427.8	469.9	507.5	538.4	567.0	597.8	635.5	685.6	763.4	866.9	1011.2
-27.5°	418.0	459.2	498.1	530.4	558.1	585.8	620.6	665.1	724.3	804.4	911.2
-30°	407.4	447.9	488.2	520.9	548.5	575.4	605.1	641.8	686.8	753.9	839.8
-32.5°	395.9	435.5	475.7	509.4	537.8	564.6	588.9	621.5	660.0	706.0	773.1
-35°	383.5	422.0	461.0	497.8	525.9	551.6	575.4	601.5	633.5	672.1	719.5
-37.5°	370.1	407.3	445.1	483.4	512.9	537.2	560.2	583.6	611.0	640.5	677.6
-40°	355.7	391.6	428.0	464.9	498.5	522.1	544.5	565.5	589.1	614.6	641.9
-42.5°	340.4	374.8	409.7	445.2	478.9	505.5	528.4	548.2	567.6	589.1	612.6
-45°	324.3	357.1	390.4	424.7	458.1	486.6	509.5	531.1	547.6	565.7	585.2
-47.5°	307.7	338.7	370.1	403.4	436.1	465.6	489.3	509.4	527.0	543.0	560.0
-50°	290.5	320.2	349.6	381.2	412.3	442.8	468.7	487.8	505.1	520.0	534.3
-52.5°	272.1	301.3	329.2	358.3	387.7	416.6	444.1	466.0	482.9	498.2	511.9
-55°	253.2	280.8	307.8	334.8	362.5	389.6	415.9	439.6	460.3	475.2	489.9
-57.5°	233.7	259.2	284.5	310.2	335.8	361.8	386.0	410.8	432.0	450.0	465.2
-60°	213.7	236.7	259.6	283.5	307.8	331.1	354.1	376.7	399.5	420.7	433.9
-62.5°	192.9	213.7	234.2	255.1	277.1	298.8	319.3	340.1	361.3	379.8	395.8
-65°	170.4	189.9	208.4	226.8	245.3	264.6	283.4	301.5	319.8	337.4	353.3
-67.5°	147.5	165.3	182.2	198.3	214.6	231.0	246.9	263.2	278.9	294.7	309.8
-70°	126.6	140.8	155.8	170.3	184.1	198.1	212.2	225.8	239.1	252.7	266.1
-72.5°	105.9	118.4	130.6	142.4	154.7	166.6	178.2	189.3	200.8	212.5	223.7
-75°	86.0	95.8	106.1	116.3	126.2	135.8	145.1	154.6	164.3	173.8	182.9
-77.5°	66.7	75.3	83.4	91.0	98.2	106.2	113.9	121.3	129.0	136.6	143.8
-80°	48.7	54.8	61.7	68.2	73.9	79.4	84.7	89.7	95.2	101.1	107.1
-82.5°	33.1	37.4	41.9	46.3	50.3	54.0	57.7	61.5	65.3	69.1	72.8
-85°	18.5	20.0	22.6	25.4	28.0	30.5	32.9	35.2	37.4	39.6	41.6
-87.5°	9.2	10.0	10.7	11.5	12.2	12.9	13.5	14.1	14.7	15.3	15.9
-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: P627187 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-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°	16.4	16.2	15.9	15.6	15.1	16.2	17.2	18.3	19.3	18.7	18.1
85°	43.5	44.5	45.3	46.0	46.6	48.7	50.7	52.5	54.3	54.2	54.0
82.5°	76.5	79.0	81.1	83.0	84.7	87.1	89.3	91.2	92.8	94.0	95.0
80°	112.8	116.8	120.2	123.3	126.1	129.3	132.3	135.0	137.3	138.5	139.3
77.5°	151.0	156.9	162.1	167.1	171.8	176.5	180.8	184.6	187.9	188.6	188.5
75°	191.6	199.4	206.8	213.6	219.9	225.3	229.9	233.8	236.9	238.5	239.4
72.5°	234.3	244.0	252.7	260.5	267.2	272.7	277.6	281.8	285.3	287.5	288.9
70°	278.9	290.3	299.2	306.5	312.3	317.8	324.0	330.0	335.5	338.6	339.8
67.5°	323.6	335.4	343.6	350.3	355.5	361.0	368.8	375.8	382.1	386.4	389.1
65°	367.3	379.8	388.0	394.4	399.2	404.7	413.4	420.4	425.8	430.0	433.8
62.5°	410.5	423.0	432.2	439.8	446.8	452.8	460.0	465.9	470.5	474.6	479.4
60°	447.9	462.8	472.4	480.1	488.8	498.3	503.5	507.9	511.7	515.1	518.0
57.5°	478.5	491.8	504.1	513.4	522.4	531.1	537.4	541.5	544.9	547.4	548.4
55°	504.1	517.8	531.5	541.6	550.5	558.7	565.5	570.9	575.4	578.9	579.7
52.5°	527.1	542.5	555.9	567.5	579.3	588.9	596.4	603.8	610.2	615.3	617.5
50°	552.0	568.1	584.9	600.5	613.0	624.0	633.1	643.5	654.4	663.4	669.1
47.5°	578.2	596.9	617.1	636.2	651.1	667.4	682.5	697.9	718.2	735.2	747.8
45°	605.7	629.6	652.7	677.0	697.5	728.2	756.7	781.2	813.7	843.2	866.6
42.5°	638.1	667.8	696.2	735.2	776.0	817.9	863.2	901.9	952.7	1004.4	1046.2
40°	676.5	714.5	764.5	816.8	881.2	938.8	1017.1	1086.7	1164.7	1263.4	1344.8
37.5°	722.7	781.2	850.8	923.7	1024.1	1120.1	1249.3	1385.5	1509.1	1698.9	1858.5
35°	782.7	864.6	956.2	1085.2	1227.3	1407.1	1608.7	1871.8	2097.5	2417.5	2723.4
32.5°	860.1	965.3	1114.9	1314.1	1524.1	1850.5	2170.4	2627.3	3050.4	3557.6	4105.1
30°	946.2	1106.4	1334.8	1608.0	1999.9	2479.9	3044.0	3745.7	4513.6	5226.6	5929.2
27.5°	1070.9	1300.4	1600.6	2041.5	2652.1	3323.8	4312.0	5264.5	6258.3	7141.7	7878.4
25°	1216.6	1519.8	1984.0	2633.2	3459.0	4609.2	5792.2	6967.8	8036.5	8961.3	9775.3
22.5°	1404.6	1840.8	2459.6	3300.5	4586.5	5965.0	7352.3	8648.9	9788.9	10818.7	11699.9
20°	1609.2	2155.0	3038.7	4292.6	5763.2	7333.8	8900.2	10281.4	11536.6	12704.2	13697.3
17.5°	1868.5	2632.9	3751.9	5256.2	6956.4	8677.2	10322.7	11821.6	13245.7	14481.2	15518.9
15°	2089.5	3053.7	4514.2	6278.4	8117.4	9932.7	11669.9	13298.0	14778.6	16046.3	17021.8
12.5°	2384.2	3525.4	5191.0	7157.2	9150.1	11060.1	12889.9	14572.7	16079.4	17333.2	18092.6
10°	2662.8	4013.7	5845.2	7895.6	9966.1	12001.1	13954.9	15680.7	17079.6	18077.0	18724.2
7.5°	2899.7	4433.4	6377.3	8492.5	10614.3	12742.0	14719.8	16398.9	17688.9	18521.8	18972.2
5°	3076.6	4747.1	6772.2	8977.5	11154.8	13319.8	15282.2	16858.5	17973.3	18592.1	18818.3
2.5°	3189.3	4931.3	7001.4	9295.7	11516.5	13685.4	15667.9	17219.6	18165.4	18575.5	18614.5
0°	3234.4	4955.2	7036.8	9462.6	11607.7	13789.6	15777.7	17368.1	18236.9	18574.3	18567.6
-2.5°	3189.3	4931.3	7001.4	9295.7	11516.5	13685.4	15667.9	17219.6	18165.4	18575.5	18614.5
-5°	3076.6	4747.1	6772.2	8977.5	11154.8	13319.8	15282.2	16858.5	17973.3	18592.1	18818.3
-7.5°	2899.7	4433.4	6377.3	8492.5	10614.3	12742.0	14719.8	16398.9	17688.9	18521.8	18972.2
-10°	2662.8	4013.7	5845.2	7895.6	9966.1	12001.1	13954.9	15680.7	17079.6	18077.0	18724.2
-12.5°	2384.2	3525.4	5191.0	7157.2	9150.1	11060.1	12889.9	14572.7	16079.4	17333.2	18092.6
-15°	2089.5	3053.7	4514.2	6278.4	8117.4	9932.7	11669.9	13298.0	14778.6	16046.3	17021.8
-17.5°	1868.5	2632.9	3751.9	5256.2	6956.4	8677.2	10322.7	11821.6	13245.7	14481.2	15518.9
-20°	1609.2	2155.0	3038.7	4292.6	5763.2	7333.8	8900.2	10281.4	11536.6	12704.2	13697.3

Classified

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

Scaled Data Report



REPORT NUMBER: P627187 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1404.6	1840.8	2459.6	3300.5	4586.5	5965.0	7352.3	8648.9	9788.9	10818.7	11699.9
-25°	1216.6	1519.8	1984.0	2633.2	3459.0	4609.2	5792.2	6967.8	8036.5	8961.3	9775.3
-27.5°	1070.9	1300.4	1600.6	2041.5	2652.1	3323.8	4312.0	5264.5	6258.3	7141.7	7878.4
-30°	946.2	1106.4	1334.8	1608.0	1999.9	2479.9	3044.0	3745.7	4513.6	5226.6	5929.2
-32.5°	860.1	965.3	1114.9	1314.1	1524.1	1850.5	2170.4	2627.3	3050.4	3557.6	4105.1
-35°	782.7	864.6	956.2	1085.2	1227.3	1407.1	1608.7	1871.8	2097.5	2417.5	2723.4
-37.5°	722.7	781.2	850.8	923.7	1024.1	1120.1	1249.3	1385.5	1509.1	1698.9	1858.5
-40°	676.5	714.5	764.5	816.8	881.2	938.8	1017.1	1086.7	1164.7	1263.4	1344.8
-42.5°	638.1	667.8	696.2	735.2	776.0	817.9	863.2	901.9	952.7	1004.4	1046.2
-45°	605.7	629.6	652.7	677.0	697.5	728.2	756.7	781.2	813.7	843.2	866.6
-47.5°	578.2	596.9	617.1	636.2	651.1	667.4	682.5	697.9	718.2	735.2	747.8
-50°	552.0	568.1	584.9	600.5	613.0	624.0	633.1	643.5	654.4	663.4	669.1
-52.5°	527.1	542.5	555.9	567.5	579.3	588.9	596.4	603.8	610.2	615.3	617.5
-55°	504.1	517.8	531.5	541.6	550.5	558.7	565.5	570.9	575.4	578.9	579.7
-57.5°	478.5	491.8	504.1	513.4	522.4	531.1	537.4	541.5	544.9	547.4	548.4
-60°	447.9	462.8	472.4	480.1	488.8	498.3	503.5	507.9	511.7	515.1	518.0
-62.5°	410.5	423.0	432.2	439.8	446.8	452.8	460.0	465.9	470.5	474.6	479.4
-65°	367.3	379.8	388.0	394.4	399.2	404.7	413.4	420.4	425.8	430.0	433.8
-67.5°	323.6	335.4	343.6	350.3	355.5	361.0	368.8	375.8	382.1	386.4	389.1
-70°	278.9	290.3	299.2	306.5	312.3	317.8	324.0	330.0	335.5	338.6	339.8
-72.5°	234.3	244.0	252.7	260.5	267.2	272.7	277.6	281.8	285.3	287.5	288.9
-75°	191.6	199.4	206.8	213.6	219.9	225.3	229.9	233.8	236.9	238.5	239.4
-77.5°	151.0	156.9	162.1	167.1	171.8	176.5	180.8	184.6	187.9	188.6	188.5
-80°	112.8	116.8	120.2	123.3	126.1	129.3	132.3	135.0	137.3	138.5	139.3
-82.5°	76.5	79.0	81.1	83.0	84.7	87.1	89.3	91.2	92.8	94.0	95.0
-85°	43.5	44.5	45.3	46.0	46.6	48.7	50.7	52.5	54.3	54.2	54.0
-87.5°	16.4	16.2	15.9	15.6	15.1	16.2	17.2	18.3	19.3	18.7	18.1
-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: P627187 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-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°	17.4	16.6	16.7	16.7	16.7	16.6	17.4	18.1	18.7	19.3	18.3
85°	53.7	53.2	51.7	50.1	51.7	53.2	53.7	54.0	54.2	54.3	52.5
82.5°	95.8	96.4	95.1	93.6	95.1	96.4	95.8	95.0	94.0	92.8	91.2
80°	139.7	139.7	138.5	137.0	138.5	139.7	139.7	139.3	138.5	137.3	135.0
77.5°	187.7	186.3	186.9	187.1	186.9	186.3	187.7	188.5	188.6	187.9	184.6
75°	239.7	239.5	238.7	237.2	238.7	239.5	239.7	239.4	238.5	236.9	233.8
72.5°	289.5	289.5	288.8	287.4	288.8	289.5	289.5	288.9	287.5	285.3	281.8
70°	340.1	339.5	340.4	340.8	340.4	339.5	340.1	339.8	338.6	335.5	330.0
67.5°	391.2	392.5	392.3	390.9	392.3	392.5	391.2	389.1	386.4	382.1	375.8
65°	436.9	439.2	440.6	441.1	440.6	439.2	436.9	433.8	430.0	425.8	420.4
62.5°	483.0	485.7	485.8	484.5	485.8	485.7	483.0	479.4	474.6	470.5	465.9
60°	519.6	520.0	519.4	517.9	519.4	520.0	519.6	518.0	515.1	511.7	507.9
57.5°	548.4	547.4	546.2	544.6	546.2	547.4	548.4	548.4	547.4	544.9	541.5
55°	579.2	577.6	576.3	574.7	576.3	577.6	579.2	579.7	578.9	575.4	570.9
52.5°	618.0	617.2	616.2	614.8	616.2	617.2	618.0	617.5	615.3	610.2	603.8
50°	672.0	672.8	672.7	671.6	672.7	672.8	672.0	669.1	663.4	654.4	643.5
47.5°	755.9	760.3	763.4	765.2	763.4	760.3	755.9	747.8	735.2	718.2	697.9
45°	881.6	890.5	896.9	902.2	896.9	890.5	881.6	866.6	843.2	813.7	781.2
42.5°	1075.6	1095.6	1105.1	1102.6	1105.1	1095.6	1075.6	1046.2	1004.4	952.7	901.9
40°	1399.1	1431.4	1449.3	1463.5	1449.3	1431.4	1399.1	1344.8	1263.4	1164.7	1086.7
37.5°	1967.5	2030.0	2063.0	2091.7	2063.0	2030.0	1967.5	1858.5	1698.9	1509.1	1385.5
35°	2951.9	3092.7	3168.1	3194.3	3168.1	3092.7	2951.9	2723.4	2417.5	2097.5	1871.8
32.5°	4531.1	4790.8	4934.4	5045.4	4934.4	4790.8	4531.1	4105.1	3557.6	3050.4	2627.3
30°	6485.5	6827.6	7017.5	7110.3	7017.5	6827.6	6485.5	5929.2	5226.6	4513.6	3745.7
27.5°	8489.0	8877.9	9082.7	9071.6	9082.7	8877.9	8489.0	7878.4	7141.7	6258.3	5264.5
25°	10473.1	10923.6	11127.7	11310.3	11127.7	10923.6	10473.1	9775.3	8961.3	8036.5	6967.8
22.5°	12479.9	13006.5	13293.9	13428.7	13293.9	13006.5	12479.9	11699.9	10818.7	9788.9	8648.9
20°	14462.7	15049.0	15354.1	15487.0	15354.1	15049.0	14462.7	13697.3	12704.2	11536.6	10281.4
17.5°	16221.3	16793.7	17084.5	17207.7	17084.5	16793.7	16221.3	15518.9	14481.2	13245.7	11821.6
15°	17625.5	18047.7	18295.0	18360.5	18295.0	18047.7	17625.5	17021.8	16046.3	14778.6	13298.0
12.5°	18596.1	18759.7	18878.6	18915.1	18878.6	18759.7	18596.1	18092.6	17333.2	16079.4	14572.7
10°	19092.4	19018.6	18988.1	18992.0	18988.1	19018.6	19092.4	18724.2	18077.0	17079.6	15680.7
7.5°	19058.2	18949.0	18729.5	18694.6	18729.5	18949.0	19058.2	18972.2	18521.8	17688.9	16398.9
5°	18784.4	18585.5	18221.2	18116.6	18221.2	18585.5	18784.4	18818.3	18592.1	17973.3	16858.5
2.5°	18465.3	18106.7	17771.1	17555.2	17771.1	18106.7	18465.3	18614.5	18575.5	18165.4	17219.6
0°	18370.5	17956.2	17521.8	17381.5	17521.8	17956.2	18370.5	18567.6	18574.3	18236.9	17368.1
-2.5°	18465.3	18106.7	17771.1	17555.2	17771.1	18106.7	18465.3	18614.5	18575.5	18165.4	17219.6
-5°	18784.4	18585.5	18221.2	18116.6	18221.2	18585.5	18784.4	18818.3	18592.1	17973.3	16858.5
-7.5°	19058.2	18949.0	18729.5	18694.6	18729.5	18949.0	19058.2	18972.2	18521.8	17688.9	16398.9
-10°	19092.4	19018.6	18988.1	18992.0	18988.1	19018.6	19092.4	18724.2	18077.0	17079.6	15680.7
-12.5°	18596.1	18759.7	18878.6	18915.1	18878.6	18759.7	18596.1	18092.6	17333.2	16079.4	14572.7
-15°	17625.5	18047.7	18295.0	18360.5	18295.0	18047.7	17625.5	17021.8	16046.3	14778.6	13298.0
-17.5°	16221.3	16793.7	17084.5	17207.7	17084.5	16793.7	16221.3	15518.9	14481.2	13245.7	11821.6
-20°	14462.7	15049.0	15354.1	15487.0	15354.1	15049.0	14462.7	13697.3	12704.2	11536.6	10281.4



REPORT NUMBER: P627187 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-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°	12479.9	13006.5	13293.9	13428.7	13293.9	13006.5	12479.9	11699.9	10818.7	9788.9	8648.9
-25°	10473.1	10923.6	11127.7	11310.3	11127.7	10923.6	10473.1	9775.3	8961.3	8036.5	6967.8
-27.5°	8489.0	8877.9	9082.7	9071.6	9082.7	8877.9	8489.0	7878.4	7141.7	6258.3	5264.5
-30°	6485.5	6827.6	7017.5	7110.3	7017.5	6827.6	6485.5	5929.2	5226.6	4513.6	3745.7
-32.5°	4531.1	4790.8	4934.4	5045.4	4934.4	4790.8	4531.1	4105.1	3557.6	3050.4	2627.3
-35°	2951.9	3092.7	3168.1	3194.3	3168.1	3092.7	2951.9	2723.4	2417.5	2097.5	1871.8
-37.5°	1967.5	2030.0	2063.0	2091.7	2063.0	2030.0	1967.5	1858.5	1698.9	1509.1	1385.5
-40°	1399.1	1431.4	1449.3	1463.5	1449.3	1431.4	1399.1	1344.8	1263.4	1164.7	1086.7
-42.5°	1075.6	1095.6	1105.1	1102.6	1105.1	1095.6	1075.6	1046.2	1004.4	952.7	901.9
-45°	881.6	890.5	896.9	902.2	896.9	890.5	881.6	866.6	843.2	813.7	781.2
-47.5°	755.9	760.3	763.4	765.2	763.4	760.3	755.9	747.8	735.2	718.2	697.9
-50°	672.0	672.8	672.7	671.6	672.7	672.8	672.0	669.1	663.4	654.4	643.5
-52.5°	618.0	617.2	616.2	614.8	616.2	617.2	618.0	617.5	615.3	610.2	603.8
-55°	579.2	577.6	576.3	574.7	576.3	577.6	579.2	579.7	578.9	575.4	570.9
-57.5°	548.4	547.4	546.2	544.6	546.2	547.4	548.4	548.4	547.4	544.9	541.5
-60°	519.6	520.0	519.4	517.9	519.4	520.0	519.6	518.0	515.1	511.7	507.9
-62.5°	483.0	485.7	485.8	484.5	485.8	485.7	483.0	479.4	474.6	470.5	465.9
-65°	436.9	439.2	440.6	441.1	440.6	439.2	436.9	433.8	430.0	425.8	420.4
-67.5°	391.2	392.5	392.3	390.9	392.3	392.5	391.2	389.1	386.4	382.1	375.8
-70°	340.1	339.5	340.4	340.8	340.4	339.5	340.1	339.8	338.6	335.5	330.0
-72.5°	289.5	289.5	288.8	287.4	288.8	289.5	289.5	288.9	287.5	285.3	281.8
-75°	239.7	239.5	238.7	237.2	238.7	239.5	239.7	239.4	238.5	236.9	233.8
-77.5°	187.7	186.3	186.9	187.1	186.9	186.3	187.7	188.5	188.6	187.9	184.6
-80°	139.7	139.7	138.5	137.0	138.5	139.7	139.7	139.3	138.5	137.3	135.0
-82.5°	95.8	96.4	95.1	93.6	95.1	96.4	95.8	95.0	94.0	92.8	91.2
-85°	53.7	53.2	51.7	50.1	51.7	53.2	53.7	54.0	54.2	54.3	52.5
-87.5°	17.4	16.6	16.7	16.7	16.7	16.6	17.4	18.1	18.7	19.3	18.3
-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: P627187 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-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°	17.2	16.2	15.1	15.6	15.9	16.2	16.4	15.9	15.3	14.7	14.1
85°	50.7	48.7	46.6	46.0	45.3	44.5	43.5	41.6	39.6	37.4	35.2
82.5°	89.3	87.1	84.7	83.0	81.1	79.0	76.5	72.8	69.1	65.3	61.5
80°	132.3	129.3	126.1	123.3	120.2	116.8	112.8	107.1	101.1	95.2	89.7
77.5°	180.8	176.5	171.8	167.1	162.1	156.9	151.0	143.8	136.6	129.0	121.3
75°	229.9	225.3	219.9	213.6	206.8	199.4	191.6	182.9	173.8	164.3	154.6
72.5°	277.6	272.7	267.2	260.5	252.7	244.0	234.3	223.7	212.5	200.8	189.3
70°	324.0	317.8	312.3	306.5	299.2	290.3	278.9	266.1	252.7	239.1	225.8
67.5°	368.8	361.0	355.5	350.3	343.6	335.4	323.6	309.8	294.7	278.9	263.2
65°	413.4	404.7	399.2	394.4	388.0	379.8	367.3	353.3	337.4	319.8	301.5
62.5°	460.0	452.8	446.8	439.8	432.2	423.0	410.5	395.8	379.8	361.3	340.1
60°	503.5	498.3	488.8	480.1	472.4	462.8	447.9	433.9	420.7	399.5	376.7
57.5°	537.4	531.1	522.4	513.4	504.1	491.8	478.5	465.2	450.0	432.0	410.8
55°	565.5	558.7	550.5	541.6	531.5	517.8	504.1	489.9	475.2	460.3	439.6
52.5°	596.4	588.9	579.3	567.5	555.9	542.5	527.1	511.9	498.2	482.9	466.0
50°	633.1	624.0	613.0	600.5	584.9	568.1	552.0	534.3	520.0	505.1	487.8
47.5°	682.5	667.4	651.1	636.2	617.1	596.9	578.2	560.0	543.0	527.0	509.4
45°	756.7	728.2	697.5	677.0	652.7	629.6	605.7	585.2	565.7	547.6	531.1
42.5°	863.2	817.9	776.0	735.2	696.2	667.8	638.1	612.6	589.1	567.6	548.2
40°	1017.1	938.8	881.2	816.8	764.5	714.5	676.5	641.9	614.6	589.1	565.5
37.5°	1249.3	1120.1	1024.1	923.7	850.8	781.2	722.7	677.6	640.5	611.0	583.6
35°	1608.7	1407.1	1227.3	1085.2	956.2	864.6	782.7	719.5	672.1	633.5	601.5
32.5°	2170.4	1850.5	1524.1	1314.1	1114.9	965.3	860.1	773.1	706.0	660.0	621.5
30°	3044.0	2479.9	1999.9	1608.0	1334.8	1106.4	946.2	839.8	753.9	686.8	641.8
27.5°	4312.0	3323.8	2652.1	2041.5	1600.6	1300.4	1070.9	911.2	804.4	724.3	665.1
25°	5792.2	4609.2	3459.0	2633.2	1984.0	1519.8	1216.6	1011.2	866.9	763.4	685.6
22.5°	7352.3	5965.0	4586.5	3300.5	2459.6	1840.8	1404.6	1112.0	925.9	805.1	715.4
20°	8900.2	7333.8	5763.2	4292.6	3038.7	2155.0	1609.2	1245.8	1008.2	851.8	743.6
17.5°	10322.7	8677.2	6956.4	5256.2	3751.9	2632.9	1868.5	1381.1	1080.0	893.3	768.0
15°	11669.9	9932.7	8117.4	6278.4	4514.2	3053.7	2089.5	1499.0	1154.7	941.5	799.9
12.5°	12889.9	11060.1	9150.1	7157.2	5191.0	3525.4	2384.2	1672.7	1246.5	991.5	830.1
10°	13954.9	12001.1	9966.1	7895.6	5845.2	4013.7	2662.8	1820.8	1326.1	1033.0	854.7
7.5°	14719.8	12742.0	10614.3	8492.5	6377.3	4433.4	2899.7	1938.1	1388.5	1064.8	873.7
5°	15282.2	13319.8	11154.8	8977.5	6772.2	4747.1	3076.6	2020.6	1433.1	1086.7	886.9
2.5°	15667.9	13685.4	11516.5	9295.7	7001.4	4931.3	3189.3	2064.9	1454.2	1104.0	894.2
0°	15777.7	13789.6	11607.7	9462.6	7036.8	4955.2	3234.4	2071.6	1453.5	1112.7	895.5
-2.5°	15667.9	13685.4	11516.5	9295.7	7001.4	4931.3	3189.3	2064.9	1454.2	1104.0	894.2
-5°	15282.2	13319.8	11154.8	8977.5	6772.2	4747.1	3076.6	2020.6	1433.1	1086.7	886.9
-7.5°	14719.8	12742.0	10614.3	8492.5	6377.3	4433.4	2899.7	1938.1	1388.5	1064.8	873.7
-10°	13954.9	12001.1	9966.1	7895.6	5845.2	4013.7	2662.8	1820.8	1326.1	1033.0	854.7
-12.5°	12889.9	11060.1	9150.1	7157.2	5191.0	3525.4	2384.2	1672.7	1246.5	991.5	830.1
-15°	11669.9	9932.7	8117.4	6278.4	4514.2	3053.7	2089.5	1499.0	1154.7	941.5	799.9
-17.5°	10322.7	8677.2	6956.4	5256.2	3751.9	2632.9	1868.5	1381.1	1080.0	893.3	768.0
-20°	8900.2	7333.8	5763.2	4292.6	3038.7	2155.0	1609.2	1245.8	1008.2	851.8	743.6



REPORT NUMBER: P627187 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7352.3	5965.0	4586.5	3300.5	2459.6	1840.8	1404.6	1112.0	925.9	805.1	715.4
-25°	5792.2	4609.2	3459.0	2633.2	1984.0	1519.8	1216.6	1011.2	866.9	763.4	685.6
-27.5°	4312.0	3323.8	2652.1	2041.5	1600.6	1300.4	1070.9	911.2	804.4	724.3	665.1
-30°	3044.0	2479.9	1999.9	1608.0	1334.8	1106.4	946.2	839.8	753.9	686.8	641.8
-32.5°	2170.4	1850.5	1524.1	1314.1	1114.9	965.3	860.1	773.1	706.0	660.0	621.5
-35°	1608.7	1407.1	1227.3	1085.2	956.2	864.6	782.7	719.5	672.1	633.5	601.5
-37.5°	1249.3	1120.1	1024.1	923.7	850.8	781.2	722.7	677.6	640.5	611.0	583.6
-40°	1017.1	938.8	881.2	816.8	764.5	714.5	676.5	641.9	614.6	589.1	565.5
-42.5°	863.2	817.9	776.0	735.2	696.2	667.8	638.1	612.6	589.1	567.6	548.2
-45°	756.7	728.2	697.5	677.0	652.7	629.6	605.7	585.2	565.7	547.6	531.1
-47.5°	682.5	667.4	651.1	636.2	617.1	596.9	578.2	560.0	543.0	527.0	509.4
-50°	633.1	624.0	613.0	600.5	584.9	568.1	552.0	534.3	520.0	505.1	487.8
-52.5°	596.4	588.9	579.3	567.5	555.9	542.5	527.1	511.9	498.2	482.9	466.0
-55°	565.5	558.7	550.5	541.6	531.5	517.8	504.1	489.9	475.2	460.3	439.6
-57.5°	537.4	531.1	522.4	513.4	504.1	491.8	478.5	465.2	450.0	432.0	410.8
-60°	503.5	498.3	488.8	480.1	472.4	462.8	447.9	433.9	420.7	399.5	376.7
-62.5°	460.0	452.8	446.8	439.8	432.2	423.0	410.5	395.8	379.8	361.3	340.1
-65°	413.4	404.7	399.2	394.4	388.0	379.8	367.3	353.3	337.4	319.8	301.5
-67.5°	368.8	361.0	355.5	350.3	343.6	335.4	323.6	309.8	294.7	278.9	263.2
-70°	324.0	317.8	312.3	306.5	299.2	290.3	278.9	266.1	252.7	239.1	225.8
-72.5°	277.6	272.7	267.2	260.5	252.7	244.0	234.3	223.7	212.5	200.8	189.3
-75°	229.9	225.3	219.9	213.6	206.8	199.4	191.6	182.9	173.8	164.3	154.6
-77.5°	180.8	176.5	171.8	167.1	162.1	156.9	151.0	143.8	136.6	129.0	121.3
-80°	132.3	129.3	126.1	123.3	120.2	116.8	112.8	107.1	101.1	95.2	89.7
-82.5°	89.3	87.1	84.7	83.0	81.1	79.0	76.5	72.8	69.1	65.3	61.5
-85°	50.7	48.7	46.6	46.0	45.3	44.5	43.5	41.6	39.6	37.4	35.2
-87.5°	17.2	16.2	15.1	15.6	15.9	16.2	16.4	15.9	15.3	14.7	14.1
-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: P627187 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-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°	13.5	12.9	12.2	11.5	10.7	10.0	9.2	8.4	7.3	6.3	5.3
85°	32.9	30.5	28.0	25.4	22.6	20.0	18.5	16.9	14.6	12.5	10.5
82.5°	57.7	54.0	50.3	46.3	41.9	37.4	33.1	28.8	24.1	19.1	15.7
80°	84.7	79.4	73.9	68.2	61.7	54.8	48.7	42.9	37.1	31.0	24.6
77.5°	113.9	106.2	98.2	91.0	83.4	75.3	66.7	57.8	50.1	42.8	35.2
75°	145.1	135.8	126.2	116.3	106.1	95.8	86.0	75.7	65.4	54.9	45.7
72.5°	178.2	166.6	154.7	142.4	130.6	118.4	105.9	93.4	81.4	69.2	56.8
70°	212.2	198.1	184.1	170.3	155.8	140.8	126.6	111.9	97.3	83.3	69.2
67.5°	246.9	231.0	214.6	198.3	182.2	165.3	147.5	130.3	113.6	97.3	81.4
65°	283.4	264.6	245.3	226.8	208.4	189.9	170.4	149.1	129.6	111.3	93.4
62.5°	319.3	298.8	277.1	255.1	234.2	213.7	192.9	169.2	145.7	125.1	105.3
60°	354.1	331.1	307.8	283.5	259.6	236.7	213.7	188.8	163.2	138.4	116.9
57.5°	386.0	361.8	335.8	310.2	284.5	259.2	233.7	207.3	180.2	153.0	128.1
55°	415.9	389.6	362.5	334.8	307.8	280.8	253.2	225.1	196.6	167.5	139.1
52.5°	444.1	416.6	387.7	358.3	329.2	301.3	272.1	242.3	212.1	181.5	151.2
50°	468.7	442.8	412.3	381.2	349.6	320.2	290.5	259.0	227.1	194.9	163.1
47.5°	489.3	465.6	436.1	403.4	370.1	338.7	307.7	275.1	241.6	207.7	174.4
45°	509.5	486.6	458.1	424.7	390.4	357.1	324.3	290.6	255.5	220.2	185.3
42.5°	528.4	505.5	478.9	445.2	409.7	374.8	340.4	305.3	268.8	232.0	195.6
40°	544.5	522.1	498.5	464.9	428.0	391.6	355.7	319.4	281.6	243.2	205.3
37.5°	560.2	537.2	512.9	483.4	445.1	407.3	370.1	332.9	293.9	254.1	214.5
35°	575.4	551.6	525.9	497.8	461.0	422.0	383.5	345.5	305.4	264.5	223.1
32.5°	588.9	564.6	537.8	509.4	475.7	435.5	395.9	356.7	316.1	274.3	231.0
30°	605.1	575.4	548.5	520.9	488.2	447.9	407.4	367.0	325.9	283.6	238.5
27.5°	620.6	585.8	558.1	530.4	498.1	459.2	418.0	376.6	334.9	292.0	245.9
25°	635.5	597.8	567.0	538.4	507.5	469.9	427.8	385.4	342.9	299.3	252.8
22.5°	652.7	608.7	575.4	545.3	516.5	479.6	436.6	393.4	350.0	305.9	259.1
20°	668.1	617.7	583.1	551.8	523.3	487.0	444.5	400.4	356.3	311.7	264.7
17.5°	683.0	628.0	590.6	558.1	528.4	493.4	451.4	406.7	361.8	316.8	269.7
15°	703.7	639.7	597.1	563.4	532.7	498.9	457.3	412.0	366.6	321.1	274.2
12.5°	721.5	649.5	602.5	567.8	536.2	503.5	462.3	416.4	370.5	324.9	278.2
10°	735.9	657.3	606.7	571.2	538.8	507.0	466.1	420.1	374.2	328.2	281.5
7.5°	746.9	663.1	609.8	573.6	540.7	509.7	469.7	423.4	377.1	330.8	284.1
5°	754.3	666.9	612.3	575.0	541.7	511.2	472.4	425.8	379.2	332.6	285.9
2.5°	758.2	668.7	614.2	575.3	541.9	511.7	474.0	427.2	380.5	333.7	287.0
0°	758.5	668.3	614.8	574.7	541.3	511.2	474.5	427.7	380.9	334.1	287.4
-2.5°	758.2	668.7	614.2	575.3	541.9	511.7	474.0	427.2	380.5	333.7	287.0
-5°	754.3	666.9	612.3	575.0	541.7	511.2	472.4	425.8	379.2	332.6	285.9
-7.5°	746.9	663.1	609.8	573.6	540.7	509.7	469.7	423.4	377.1	330.8	284.1
-10°	735.9	657.3	606.7	571.2	538.8	507.0	466.1	420.1	374.2	328.2	281.5
-12.5°	721.5	649.5	602.5	567.8	536.2	503.5	462.3	416.4	370.5	324.9	278.2
-15°	703.7	639.7	597.1	563.4	532.7	498.9	457.3	412.0	366.6	321.1	274.2
-17.5°	683.0	628.0	590.6	558.1	528.4	493.4	451.4	406.7	361.8	316.8	269.7
-20°	668.1	617.7	583.1	551.8	523.3	487.0	444.5	400.4	356.3	311.7	264.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627187 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-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°	652.7	608.7	575.4	545.3	516.5	479.6	436.6	393.4	350.0	305.9	259.1
-25°	635.5	597.8	567.0	538.4	507.5	469.9	427.8	385.4	342.9	299.3	252.8
-27.5°	620.6	585.8	558.1	530.4	498.1	459.2	418.0	376.6	334.9	292.0	245.9
-30°	605.1	575.4	548.5	520.9	488.2	447.9	407.4	367.0	325.9	283.6	238.5
-32.5°	588.9	564.6	537.8	509.4	475.7	435.5	395.9	356.7	316.1	274.3	231.0
-35°	575.4	551.6	525.9	497.8	461.0	422.0	383.5	345.5	305.4	264.5	223.1
-37.5°	560.2	537.2	512.9	483.4	445.1	407.3	370.1	332.9	293.9	254.1	214.5
-40°	544.5	522.1	498.5	464.9	428.0	391.6	355.7	319.4	281.6	243.2	205.3
-42.5°	528.4	505.5	478.9	445.2	409.7	374.8	340.4	305.3	268.8	232.0	195.6
-45°	509.5	486.6	458.1	424.7	390.4	357.1	324.3	290.6	255.5	220.2	185.3
-47.5°	489.3	465.6	436.1	403.4	370.1	338.7	307.7	275.1	241.6	207.7	174.4
-50°	468.7	442.8	412.3	381.2	349.6	320.2	290.5	259.0	227.1	194.9	163.1
-52.5°	444.1	416.6	387.7	358.3	329.2	301.3	272.1	242.3	212.1	181.5	151.2
-55°	415.9	389.6	362.5	334.8	307.8	280.8	253.2	225.1	196.6	167.5	139.1
-57.5°	386.0	361.8	335.8	310.2	284.5	259.2	233.7	207.3	180.2	153.0	128.1
-60°	354.1	331.1	307.8	283.5	259.6	236.7	213.7	188.8	163.2	138.4	116.9
-62.5°	319.3	298.8	277.1	255.1	234.2	213.7	192.9	169.2	145.7	125.1	105.3
-65°	283.4	264.6	245.3	226.8	208.4	189.9	170.4	149.1	129.6	111.3	93.4
-67.5°	246.9	231.0	214.6	198.3	182.2	165.3	147.5	130.3	113.6	97.3	81.4
-70°	212.2	198.1	184.1	170.3	155.8	140.8	126.6	111.9	97.3	83.3	69.2
-72.5°	178.2	166.6	154.7	142.4	130.6	118.4	105.9	93.4	81.4	69.2	56.8
-75°	145.1	135.8	126.2	116.3	106.1	95.8	86.0	75.7	65.4	54.9	45.7
-77.5°	113.9	106.2	98.2	91.0	83.4	75.3	66.7	57.8	50.1	42.8	35.2
-80°	84.7	79.4	73.9	68.2	61.7	54.8	48.7	42.9	37.1	31.0	24.6
-82.5°	57.7	54.0	50.3	46.3	41.9	37.4	33.1	28.8	24.1	19.1	15.7
-85°	32.9	30.5	28.0	25.4	22.6	20.0	18.5	16.9	14.6	12.5	10.5
-87.5°	13.5	12.9	12.2	11.5	10.7	10.0	9.2	8.4	7.3	6.3	5.3
-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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REPORT NUMBER: P627187 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3D-722-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°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
85°	8.6	7.2	5.8	4.4	2.9	1.5	0.0
82.5°	12.9	10.8	8.7	6.5	4.4	2.2	0.0
80°	17.8	14.4	11.5	8.7	5.8	2.9	0.0
77.5°	27.2	19.4	14.4	10.8	7.2	3.6	0.0
75°	36.4	27.2	17.8	12.9	8.6	4.3	0.0
72.5°	45.6	34.8	24.0	15.0	10.0	5.0	0.0
70°	54.9	42.4	30.0	17.6	11.4	5.7	0.0
67.5°	65.3	49.8	36.0	22.0	12.8	6.4	0.0
65°	75.5	57.7	41.8	26.4	14.1	7.1	0.0
62.5°	85.5	65.9	47.6	30.8	15.4	7.7	0.0
60°	95.2	73.9	53.2	35.0	16.7	8.3	0.0
57.5°	104.9	81.7	59.3	39.1	19.4	9.0	0.0
55°	114.4	89.2	65.3	43.1	22.0	9.6	0.0
52.5°	123.7	96.5	71.1	47.0	24.5	10.2	0.0
50°	132.8	104.1	76.6	50.7	26.9	10.7	0.0
47.5°	141.7	111.5	81.9	54.5	29.3	11.3	0.0
45°	150.9	118.6	87.0	58.3	31.5	11.8	0.0
42.5°	159.7	125.4	91.8	61.9	33.6	12.3	0.0
40°	168.1	132.0	96.8	65.2	35.6	12.8	0.0
37.5°	176.0	138.2	101.7	68.4	37.5	13.2	0.0
35°	183.4	144.3	106.4	71.3	39.2	13.7	0.0
32.5°	190.3	150.1	110.9	74.0	40.9	14.1	0.0
30°	196.6	155.5	115.1	76.6	42.4	14.5	0.0
27.5°	202.5	160.4	118.8	78.9	43.8	14.8	0.0
25°	207.8	164.9	122.2	81.0	45.0	15.1	0.0
22.5°	212.5	168.9	125.2	83.0	46.1	15.4	0.0
20°	216.7	172.3	127.9	84.7	47.1	15.7	0.0
17.5°	220.5	175.3	130.3	86.1	47.9	15.9	0.0
15°	224.0	177.9	132.3	87.4	48.6	16.1	0.0
12.5°	226.9	180.0	134.0	88.4	49.2	16.3	0.0
10°	229.4	181.6	135.3	89.3	49.7	16.4	0.0
7.5°	231.3	182.9	136.3	89.8	50.0	16.6	0.0
5°	232.8	183.6	136.9	90.2	50.1	16.6	0.0
2.5°	233.6	183.9	137.1	90.3	50.2	16.7	0.0
0°	233.9	183.8	137.0	90.2	50.1	16.7	0.0
-2.5°	233.6	183.9	137.1	90.3	50.2	16.7	0.0
-5°	232.8	183.6	136.9	90.2	50.1	16.6	0.0
-7.5°	231.3	182.9	136.3	89.8	50.0	16.6	0.0
-10°	229.4	181.6	135.3	89.3	49.7	16.4	0.0
-12.5°	226.9	180.0	134.0	88.4	49.2	16.3	0.0
-15°	224.0	177.9	132.3	87.4	48.6	16.1	0.0
-17.5°	220.5	175.3	130.3	86.1	47.9	15.9	0.0
-20°	216.7	172.3	127.9	84.7	47.1	15.7	0.0

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CATALOG NUMBER: GFLD-SA3D-722-U-MWR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	212.5	168.9	125.2	83.0	46.1	15.4	0.0
-25°	207.8	164.9	122.2	81.0	45.0	15.1	0.0
-27.5°	202.5	160.4	118.8	78.9	43.8	14.8	0.0
-30°	196.6	155.5	115.1	76.6	42.4	14.5	0.0
-32.5°	190.3	150.1	110.9	74.0	40.9	14.1	0.0
-35°	183.4	144.3	106.4	71.3	39.2	13.7	0.0
-37.5°	176.0	138.2	101.7	68.4	37.5	13.2	0.0
-40°	168.1	132.0	96.8	65.2	35.6	12.8	0.0
-42.5°	159.7	125.4	91.8	61.9	33.6	12.3	0.0
-45°	150.9	118.6	87.0	58.3	31.5	11.8	0.0
-47.5°	141.7	111.5	81.9	54.5	29.3	11.3	0.0
-50°	132.8	104.1	76.6	50.7	26.9	10.7	0.0
-52.5°	123.7	96.5	71.1	47.0	24.5	10.2	0.0
-55°	114.4	89.2	65.3	43.1	22.0	9.6	0.0
-57.5°	104.9	81.7	59.3	39.1	19.4	9.0	0.0
-60°	95.2	73.9	53.2	35.0	16.7	8.3	0.0
-62.5°	85.5	65.9	47.6	30.8	15.4	7.7	0.0
-65°	75.5	57.7	41.8	26.4	14.1	7.1	0.0
-67.5°	65.3	49.8	36.0	22.0	12.8	6.4	0.0
-70°	54.9	42.4	30.0	17.6	11.4	5.7	0.0
-72.5°	45.6	34.8	24.0	15.0	10.0	5.0	0.0
-75°	36.4	27.2	17.8	12.9	8.6	4.3	0.0
-77.5°	27.2	19.4	14.4	10.8	7.2	3.6	0.0
-80°	17.8	14.4	11.5	8.7	5.8	2.9	0.0
-82.5°	12.9	10.8	8.7	6.5	4.4	2.2	0.0
-85°	8.6	7.2	5.8	4.4	2.9	1.5	0.0
-87.5°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)