

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



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

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645412 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA3B-740-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645412 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3B-740-U-LAM-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, LAMBERTIAN
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

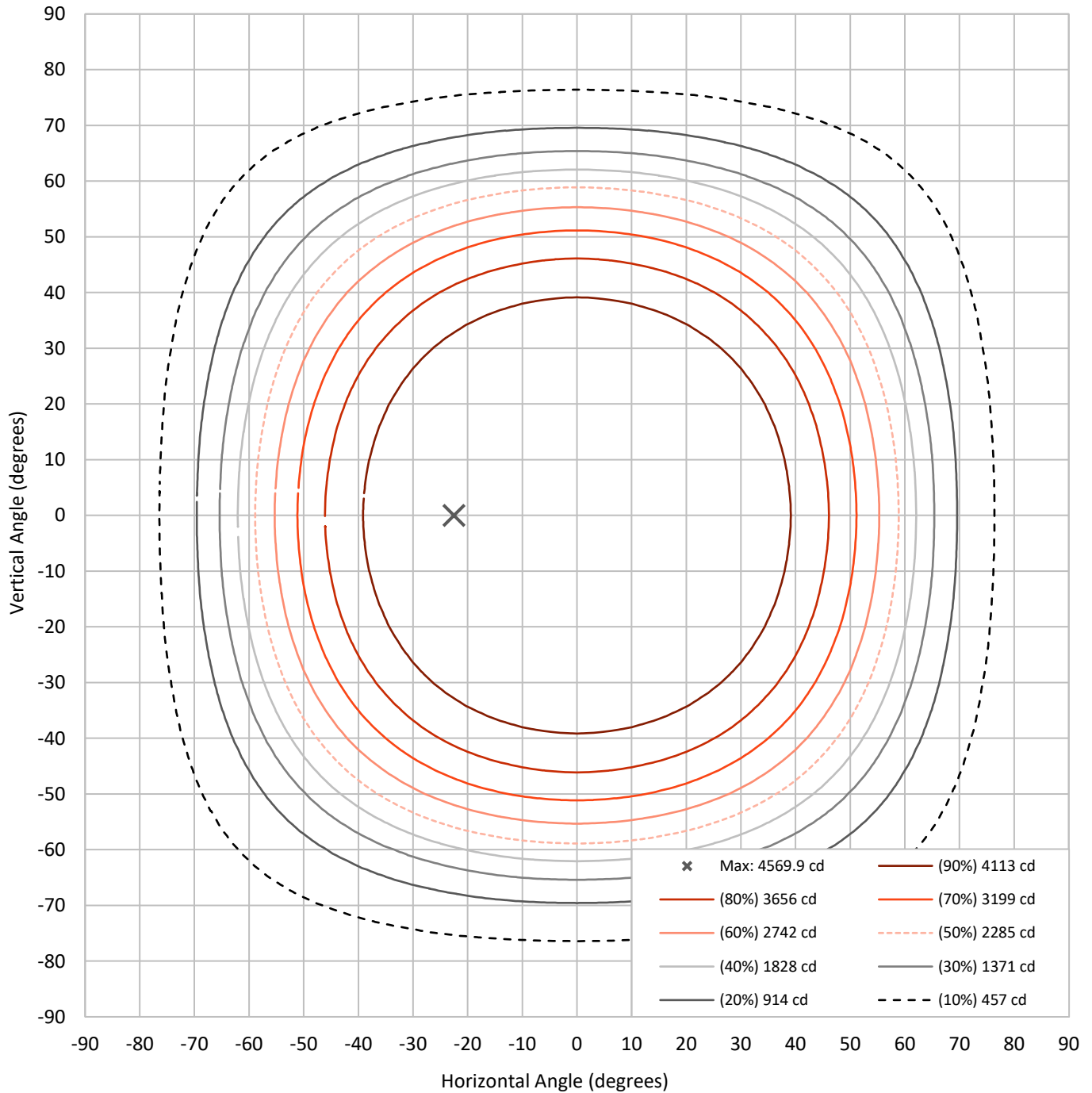
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	13979.7 lumens	Max Intensity:	4569.9 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	149.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	11634.1 lumens	Field Lumens:	13704.8 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	93.7		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



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Iso-Candela Plot





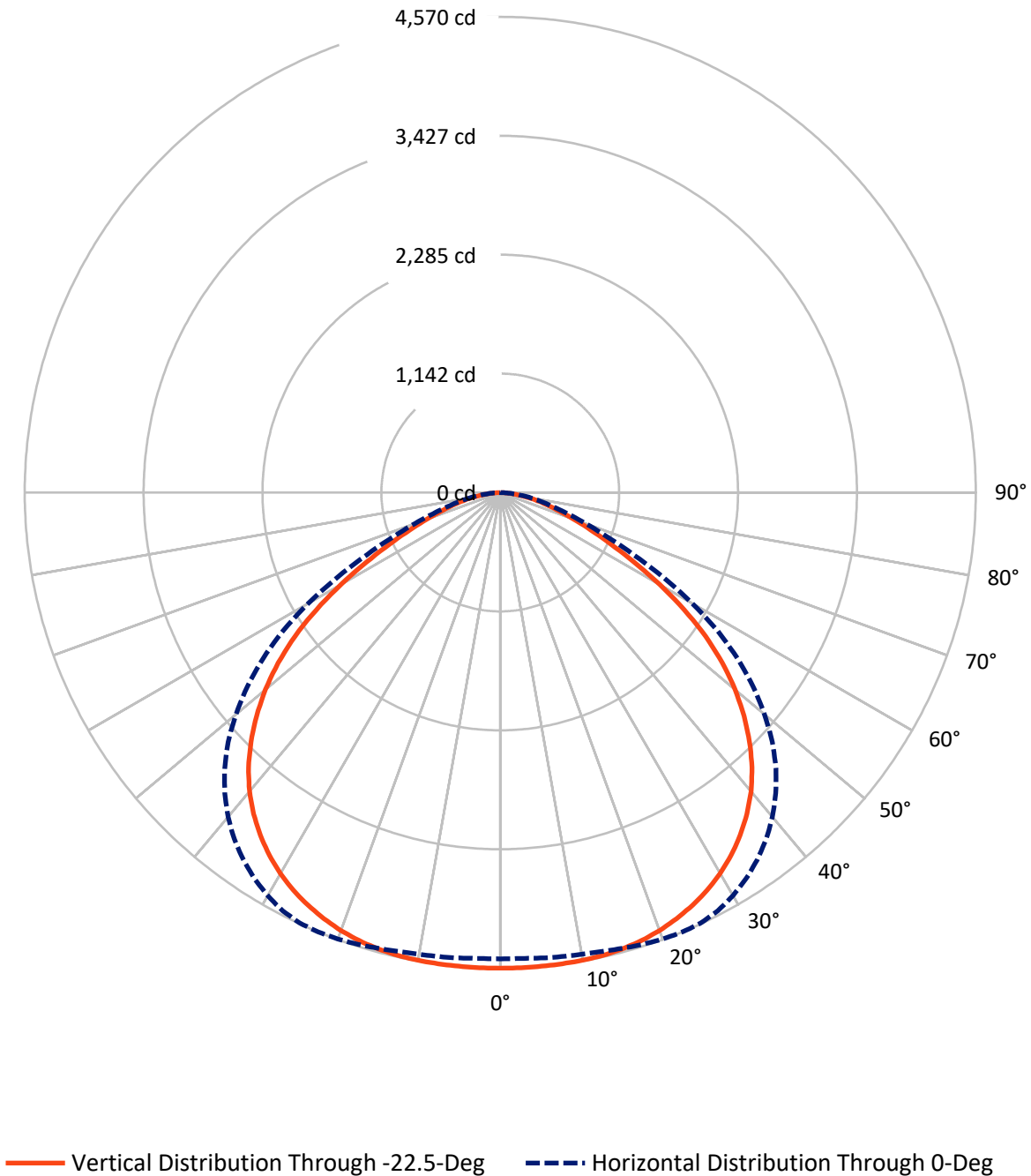
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Lumen Table

90																				
80	0.7	7.2	20.5	34.1	39.9	34.1	20.5	7.2	0.7											
70																				
60	3.4	4.1	8.5	14.9	23.0	31.7	39.2	43.4	43.4	39.2	31.7	23.0	14.9	8.5	4.1	3.4				
50																				
40	6.5	6.3	14.5	28.1	45.9	63.2	76.1	83.0	83.0	76.1	63.2	45.9	28.1	14.5	6.3	6.5				
30																				
20	8.9	9.0	22.9	45.7	70.0	90.4	104.8	112.2	112.2	104.8	90.4	70.0	45.7	22.9	9.0	8.9				
10																				
0	9.9	12.1	32.4	60.6	87.1	108.2	122.5	129.6	129.6	122.5	108.2	87.1	60.6	32.4	12.1	9.9				
-10																				
-20	8.9	15.1	40.4	70.7	97.9	118.5	131.7	137.5	137.5	131.7	118.5	97.9	70.7	40.4	15.1	8.9				
-30																				
-40	6.5	17.6	45.6	76.9	103.9	123.6	134.0	137.6	137.6	134.0	123.6	103.9	76.9	45.6	17.6	6.5				
-50																				
-60	3.4	18.9	48.2	79.9	106.6	125.1	133.4	136.3	136.3	133.4	125.1	106.6	79.9	48.2	18.9	3.4				
-70																				
-80	0.7	4.1	8.5	14.9	23.0	31.7	39.2	43.4	43.4	39.2	31.7	23.0	14.9	8.5	4.1	0.7				
-90																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

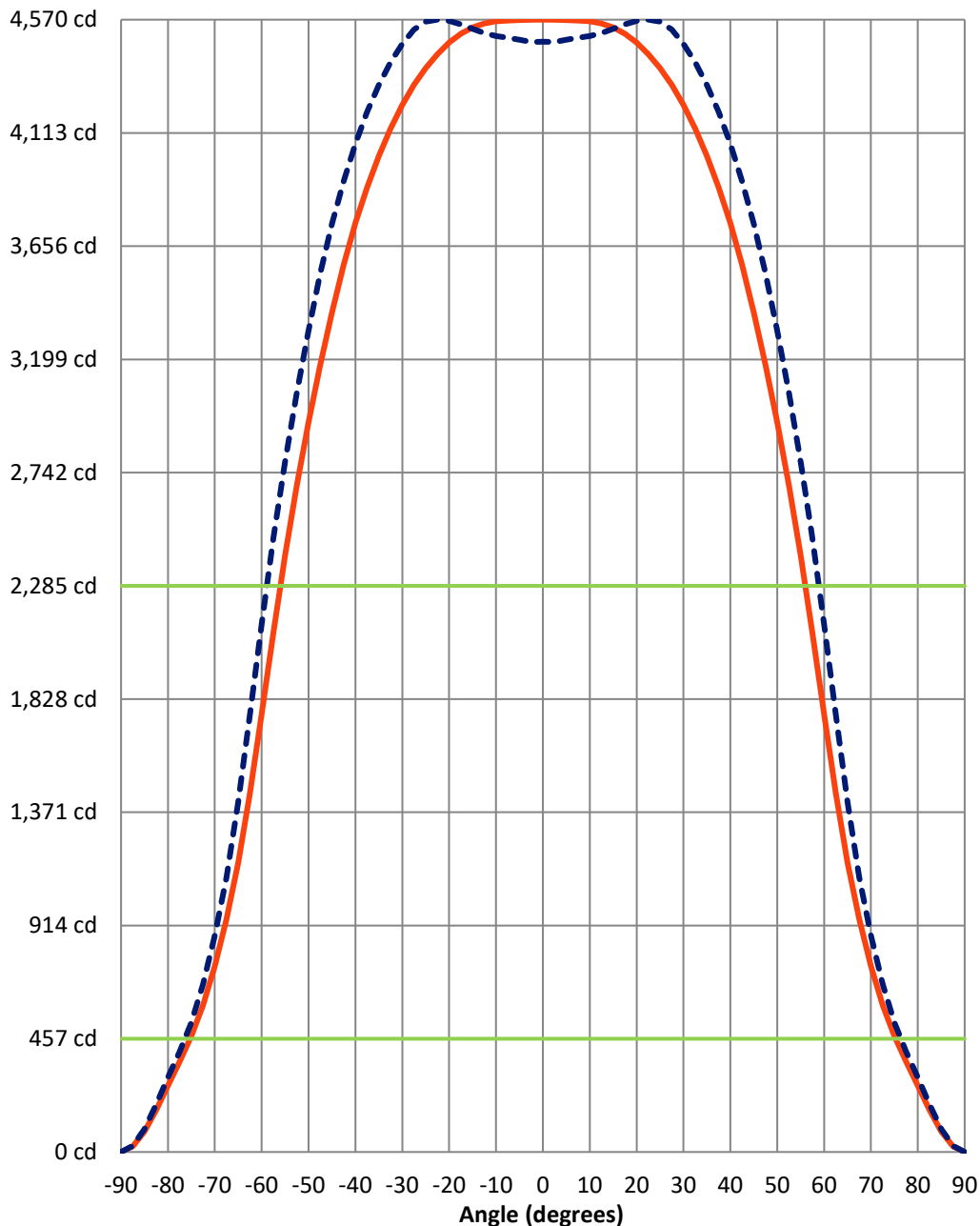
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 11634.1
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 13704.8
 Efficiency: 98.0%

Spill:
 Lumens: 274.9
 Efficiency: 2.0%

— Vertical Distribution through -22.5-Deg
 - - Horizontal Distribution through 0-Deg

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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.1	2.2	3.3	4.3	5.4	6.5	7.5	8.5	9.6	10.6
85°	0.0	2.2	4.4	6.5	8.7	10.8	12.9	15.0	17.1	19.1	21.1
82.5°	0.0	3.3	6.5	9.8	13.0	16.2	19.4	22.5	26.6	34.9	43.0
80°	0.0	4.3	8.7	13.0	17.3	21.5	27.1	38.4	49.6	60.6	71.5
77.5°	0.0	5.4	10.8	16.2	21.5	30.0	44.3	58.5	72.5	86.2	102.8
75°	0.0	6.5	12.9	19.4	27.1	44.3	61.5	78.4	96.1	120.1	143.7
72.5°	0.0	7.5	15.0	22.5	38.4	58.5	78.4	100.4	128.8	156.7	184.1
70°	0.0	8.5	17.1	26.6	49.6	72.5	96.1	128.8	161.0	192.9	227.4
67.5°	0.0	9.6	19.1	34.9	60.6	86.2	120.1	156.7	192.9	232.2	270.8
65°	0.0	10.6	21.1	43.0	71.5	102.8	143.7	184.1	227.4	270.8	313.0
62.5°	0.0	11.5	23.1	51.0	82.1	122.1	166.8	213.0	261.2	308.4	353.1
60°	0.0	12.5	25.0	58.8	92.5	141.0	189.4	242.0	294.3	343.9	392.5
57.5°	0.0	13.4	30.0	66.4	107.0	159.5	213.5	270.4	325.5	378.6	434.5
55°	0.0	14.3	34.9	73.8	121.4	177.4	237.2	298.0	355.6	413.5	477.1
52.5°	0.0	15.2	39.7	81.0	135.3	195.1	260.2	323.8	384.9	450.9	518.7
50°	0.0	16.1	44.4	87.9	148.8	213.7	282.5	348.6	414.4	487.1	570.3
47.5°	0.0	16.9	48.8	95.3	161.8	231.6	303.9	372.6	445.6	522.2	621.6
45°	0.0	17.7	53.1	104.7	174.3	248.8	323.7	395.7	475.6	566.4	671.0
42.5°	0.0	18.4	57.2	113.7	186.3	265.3	342.6	419.6	504.4	609.1	729.3
40°	0.0	19.1	61.1	122.2	198.3	281.1	360.7	443.6	534.7	649.9	786.9
37.5°	0.0	19.8	64.8	130.4	210.2	296.1	377.9	466.5	569.1	691.7	841.8
35°	0.0	20.5	68.4	138.1	221.5	309.8	394.2	488.1	601.7	738.3	897.9
32.5°	0.0	21.1	71.7	145.3	232.2	322.5	410.1	508.4	632.5	782.2	956.8
30°	0.0	21.6	74.7	152.0	242.1	334.4	426.4	528.9	661.2	823.4	1012.1
27.5°	0.0	22.2	77.6	158.3	251.3	345.5	441.4	552.1	690.6	861.7	1063.5
25°	0.0	22.7	80.2	164.0	259.8	355.6	455.3	573.5	721.7	901.6	1111.6
22.5°	0.0	23.1	82.6	169.3	267.5	364.9	468.0	593.1	750.2	940.3	1167.7
20°	0.0	23.5	84.8	174.0	274.5	373.2	479.4	610.7	775.8	975.1	1218.3
17.5°	0.0	23.8	86.7	178.2	280.6	380.6	489.5	626.3	798.6	1006.1	1263.4
15°	0.0	24.1	88.4	181.8	286.0	387.0	498.3	639.9	818.4	1033.2	1302.7
12.5°	0.0	24.4	89.8	184.9	290.6	392.5	505.8	651.5	835.3	1056.2	1336.2
10°	0.0	24.6	90.9	187.5	294.3	397.0	512.0	661.0	849.2	1075.2	1363.7
7.5°	0.0	24.8	91.8	189.4	297.2	400.5	516.8	668.4	860.0	1089.9	1385.2
5°	0.0	24.9	92.5	190.9	299.3	403.0	520.2	673.7	867.8	1100.5	1400.6
2.5°	0.0	25.0	92.9	191.7	300.6	404.5	522.3	676.9	872.4	1106.9	1409.9
0°	0.0	25.0	93.0	192.0	301.0	405.0	523.0	678.0	874.0	1109.0	1413.0
-2.5°	0.0	25.0	92.9	191.7	300.6	404.5	522.3	676.9	872.4	1106.9	1409.9
-5°	0.0	24.9	92.5	190.9	299.3	403.0	520.2	673.7	867.8	1100.5	1400.6
-7.5°	0.0	24.8	91.8	189.4	297.2	400.5	516.8	668.4	860.0	1089.9	1385.2
-10°	0.0	24.6	90.9	187.5	294.3	397.0	512.0	661.0	849.2	1075.2	1363.7
-12.5°	0.0	24.4	89.8	184.9	290.6	392.5	505.8	651.5	835.3	1056.2	1336.2
-15°	0.0	24.1	88.4	181.8	286.0	387.0	498.3	639.9	818.4	1033.2	1302.7
-17.5°	0.0	23.8	86.7	178.2	280.6	380.6	489.5	626.3	798.6	1006.1	1263.4
-20°	0.0	23.5	84.8	174.0	274.5	373.2	479.4	610.7	775.8	975.1	1218.3

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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	23.1	82.6	169.3	267.5	364.9	468.0	593.1	750.2	940.3	1167.7
-25°	0.0	22.7	80.2	164.0	259.8	355.6	455.3	573.5	721.7	901.6	1111.6
-27.5°	0.0	22.2	77.6	158.3	251.3	345.5	441.4	552.1	690.6	861.7	1063.5
-30°	0.0	21.6	74.7	152.0	242.1	334.4	426.4	528.9	661.2	823.4	1012.1
-32.5°	0.0	21.1	71.7	145.3	232.2	322.5	410.1	508.4	632.5	782.2	956.8
-35°	0.0	20.5	68.4	138.1	221.5	309.8	394.2	488.1	601.7	738.3	897.9
-37.5°	0.0	19.8	64.8	130.4	210.2	296.1	377.9	466.5	569.1	691.7	841.8
-40°	0.0	19.1	61.1	122.2	198.3	281.1	360.7	443.6	534.7	649.9	786.9
-42.5°	0.0	18.4	57.2	113.7	186.3	265.3	342.6	419.6	504.4	609.1	729.3
-45°	0.0	17.7	53.1	104.7	174.3	248.8	323.7	395.7	475.6	566.4	671.0
-47.5°	0.0	16.9	48.8	95.3	161.8	231.6	303.9	372.6	445.6	522.2	621.6
-50°	0.0	16.1	44.4	87.9	148.8	213.7	282.5	348.6	414.4	487.1	570.3
-52.5°	0.0	15.2	39.7	81.0	135.3	195.1	260.2	323.8	384.9	450.9	518.7
-55°	0.0	14.3	34.9	73.8	121.4	177.4	237.2	298.0	355.6	413.5	477.1
-57.5°	0.0	13.4	30.0	66.4	107.0	159.5	213.5	270.4	325.5	378.6	434.5
-60°	0.0	12.5	25.0	58.8	92.5	141.0	189.4	242.0	294.3	343.9	392.5
-62.5°	0.0	11.5	23.1	51.0	82.1	122.1	166.8	213.0	261.2	308.4	353.1
-65°	0.0	10.6	21.1	43.0	71.5	102.8	143.7	184.1	227.4	270.8	313.0
-67.5°	0.0	9.6	19.1	34.9	60.6	86.2	120.1	156.7	192.9	232.2	270.8
-70°	0.0	8.5	17.1	26.6	49.6	72.5	96.1	128.8	161.0	192.9	227.4
-72.5°	0.0	7.5	15.0	22.5	38.4	58.5	78.4	100.4	128.8	156.7	184.1
-75°	0.0	6.5	12.9	19.4	27.1	44.3	61.5	78.4	96.1	120.1	143.7
-77.5°	0.0	5.4	10.8	16.2	21.5	30.0	44.3	58.5	72.5	86.2	102.8
-80°	0.0	4.3	8.7	13.0	17.3	21.5	27.1	38.4	49.6	60.6	71.5
-82.5°	0.0	3.3	6.5	9.8	13.0	16.2	19.4	22.5	26.6	34.9	43.0
-85°	0.0	2.2	4.4	6.5	8.7	10.8	12.9	15.0	17.1	19.1	21.1
-87.5°	0.0	1.1	2.2	3.3	4.3	5.4	6.5	7.5	8.5	9.6	10.6
-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°	11.5	12.5	13.4	14.3	15.2	16.1	16.9	17.7	18.4	19.1	19.8
85°	23.1	25.0	30.0	34.9	39.7	44.4	48.8	53.1	57.2	61.1	64.8
82.5°	51.0	58.8	66.4	73.8	81.0	87.9	95.3	104.7	113.7	122.2	130.4
80°	82.1	92.5	107.0	121.4	135.3	148.8	161.8	174.3	186.3	198.3	210.2
77.5°	122.1	141.0	159.5	177.4	195.1	213.7	231.6	248.8	265.3	281.1	296.1
75°	166.8	189.4	213.5	237.2	260.2	282.5	303.9	323.7	342.6	360.7	377.9
72.5°	213.0	242.0	270.4	298.0	323.8	348.6	372.6	395.7	419.6	443.6	466.5
70°	261.2	294.3	325.5	355.6	384.9	414.4	445.6	475.6	504.4	534.7	569.1
67.5°	308.4	343.9	378.6	413.5	450.9	487.1	522.2	566.4	609.1	649.9	691.7
65°	353.1	392.5	434.5	477.1	518.7	570.3	621.6	671.0	729.3	786.9	841.8
62.5°	397.1	445.1	493.0	545.2	605.2	663.5	731.1	800.1	866.4	941.2	1014.0
60°	445.1	498.3	559.2	626.3	695.3	775.8	853.8	940.3	1027.4	1111.6	1214.9
57.5°	493.0	559.2	633.3	713.3	802.8	893.2	994.7	1092.9	1210.8	1328.5	1445.6
55°	545.2	626.3	713.3	811.9	915.0	1027.7	1145.4	1282.6	1415.4	1563.3	1705.0
52.5°	605.2	695.3	802.8	915.0	1038.7	1174.1	1326.0	1483.1	1648.6	1809.2	1966.8
50°	663.5	775.8	893.2	1027.7	1174.1	1340.6	1517.2	1700.2	1880.8	2057.0	2222.0
47.5°	731.1	853.8	994.7	1145.4	1326.0	1517.2	1717.5	1916.9	2111.7	2292.4	2465.5
45°	800.1	940.3	1092.9	1282.6	1483.1	1700.2	1916.9	2130.0	2327.9	2514.7	2678.1
42.5°	866.4	1027.4	1210.8	1415.4	1648.6	1880.8	2111.7	2327.9	2530.7	2710.5	2874.7
40°	941.2	1111.6	1328.5	1563.3	1809.2	2057.0	2292.4	2514.7	2710.5	2889.6	3055.8
37.5°	1014.0	1214.9	1445.6	1705.0	1966.8	2222.0	2465.5	2678.1	2874.7	3055.8	3215.3
35°	1083.1	1313.1	1570.0	1842.3	2117.2	2376.7	2613.7	2830.1	3025.4	3201.2	3364.2
32.5°	1160.0	1405.9	1687.8	1974.3	2254.2	2518.4	2753.4	2965.1	3159.2	3337.8	3499.6
30°	1239.2	1506.0	1799.6	2098.6	2382.9	2641.3	2875.9	3090.2	3282.9	3459.2	3617.8
27.5°	1313.1	1600.5	1906.2	2211.0	2500.4	2756.6	2988.0	3199.0	3392.8	3570.3	3724.0
25°	1381.3	1687.8	2004.9	2313.9	2599.4	2856.2	3089.6	3300.5	3493.2	3663.5	3812.9
22.5°	1448.6	1767.8	2095.4	2408.4	2690.3	2945.2	3176.5	3387.9	3580.7	3749.4	3892.8
20°	1514.0	1842.3	2175.2	2492.1	2772.8	3026.0	3255.6	3466.6	3654.2	3817.6	3960.3
17.5°	1572.3	1908.7	2245.0	2559.7	2840.7	3095.1	3325.6	3537.3	3720.4	3879.1	4018.7
15°	1623.1	1966.8	2306.0	2619.0	2899.0	3152.4	3383.0	3592.3	3774.1	3931.6	4070.2
12.5°	1666.5	2016.3	2358.1	2669.5	2948.9	3201.5	3432.1	3638.6	3817.3	3972.7	4108.3
10°	1702.1	2057.0	2401.0	2711.2	2990.1	3242.1	3472.8	3676.8	3853.1	4006.9	4140.1
7.5°	1730.0	2088.9	2434.6	2743.8	3022.3	3273.8	3504.6	3706.9	3881.3	4033.8	4165.2
5°	1750.0	2111.7	2458.7	2767.2	3045.4	3296.7	3527.6	3728.5	3901.6	4053.2	4183.3
2.5°	1762.0	2125.4	2473.2	2781.3	3059.3	3310.4	3541.4	3741.5	3913.8	4065.0	4194.2
0°	1766.0	2130.0	2478.0	2786.0	3064.0	3315.0	3546.0	3745.9	3917.9	4068.9	4197.9
-2.5°	1762.0	2125.4	2473.2	2781.3	3059.3	3310.4	3541.4	3741.5	3913.8	4065.0	4194.2
-5°	1750.0	2111.7	2458.7	2767.2	3045.4	3296.7	3527.6	3728.5	3901.6	4053.2	4183.3
-7.5°	1730.0	2088.9	2434.6	2743.8	3022.3	3273.8	3504.6	3706.9	3881.3	4033.8	4165.2
-10°	1702.1	2057.0	2401.0	2711.2	2990.1	3242.1	3472.8	3676.8	3853.1	4006.9	4140.1
-12.5°	1666.5	2016.3	2358.1	2669.5	2948.9	3201.5	3432.1	3638.6	3817.3	3972.7	4108.3
-15°	1623.1	1966.8	2306.0	2619.0	2899.0	3152.4	3383.0	3592.3	3774.1	3931.6	4070.2
-17.5°	1572.3	1908.7	2245.0	2559.7	2840.7	3095.1	3325.6	3537.3	3720.4	3879.1	4018.7
-20°	1514.0	1842.3	2175.2	2492.1	2772.8	3026.0	3255.6	3466.6	3654.2	3817.6	3960.3



REPORT NUMBER: P645412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-740-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1448.6	1767.8	2095.4	2408.4	2690.3	2945.2	3176.5	3387.9	3580.7	3749.4	3892.8
-25°	1381.3	1687.8	2004.9	2313.9	2599.4	2856.2	3089.6	3300.5	3493.2	3663.5	3812.9
-27.5°	1313.1	1600.5	1906.2	2211.0	2500.4	2756.6	2988.0	3199.0	3392.8	3570.3	3724.0
-30°	1239.2	1506.0	1799.6	2098.6	2382.9	2641.3	2875.9	3090.2	3282.9	3459.2	3617.8
-32.5°	1160.0	1405.9	1687.8	1974.3	2254.2	2518.4	2753.4	2965.1	3159.2	3337.8	3499.6
-35°	1083.1	1313.1	1570.0	1842.3	2117.2	2376.7	2613.7	2830.1	3025.4	3201.2	3364.2
-37.5°	1014.0	1214.9	1445.6	1705.0	1966.8	2222.0	2465.5	2678.1	2874.7	3055.8	3215.3
-40°	941.2	1111.6	1328.5	1563.3	1809.2	2057.0	2292.4	2514.7	2710.5	2889.6	3055.8
-42.5°	866.4	1027.4	1210.8	1415.4	1648.6	1880.8	2111.7	2327.9	2530.7	2710.5	2874.7
-45°	800.1	940.3	1092.9	1282.6	1483.1	1700.2	1916.9	2130.0	2327.9	2514.7	2678.1
-47.5°	731.1	853.8	994.7	1145.4	1326.0	1517.2	1717.5	1916.9	2111.7	2292.4	2465.5
-50°	663.5	775.8	893.2	1027.7	1174.1	1340.6	1517.2	1700.2	1880.8	2057.0	2222.0
-52.5°	605.2	695.3	802.8	915.0	1038.7	1174.1	1326.0	1483.1	1648.6	1809.2	1966.8
-55°	545.2	626.3	713.3	811.9	915.0	1027.7	1145.4	1282.6	1415.4	1563.3	1705.0
-57.5°	493.0	559.2	633.3	713.3	802.8	893.2	994.7	1092.9	1210.8	1328.5	1445.6
-60°	445.1	498.3	559.2	626.3	695.3	775.8	853.8	940.3	1027.4	1111.6	1214.9
-62.5°	397.1	445.1	493.0	545.2	605.2	663.5	731.1	800.1	866.4	941.2	1014.0
-65°	353.1	392.5	434.5	477.1	518.7	570.3	621.6	671.0	729.3	786.9	841.8
-67.5°	308.4	343.9	378.6	413.5	450.9	487.1	522.2	566.4	609.1	649.9	691.7
-70°	261.2	294.3	325.5	355.6	384.9	414.4	445.6	475.6	504.4	534.7	569.1
-72.5°	213.0	242.0	270.4	298.0	323.8	348.6	372.6	395.7	419.6	443.6	466.5
-75°	166.8	189.4	213.5	237.2	260.2	282.5	303.9	323.7	342.6	360.7	377.9
-77.5°	122.1	141.0	159.5	177.4	195.1	213.7	231.6	248.8	265.3	281.1	296.1
-80°	82.1	92.5	107.0	121.4	135.3	148.8	161.8	174.3	186.3	198.3	210.2
-82.5°	51.0	58.8	66.4	73.8	81.0	87.9	95.3	104.7	113.7	122.2	130.4
-85°	23.1	25.0	30.0	34.9	39.7	44.4	48.8	53.1	57.2	61.1	64.8
-87.5°	11.5	12.5	13.4	14.3	15.2	16.1	16.9	17.7	18.4	19.1	19.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-740-U-LAM-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°	20.5	21.1	21.6	22.2	22.7	23.1	23.5	23.8	24.1	24.4	24.6
85°	68.4	71.7	74.7	77.6	80.2	82.6	84.8	86.7	88.4	89.8	90.9
82.5°	138.1	145.3	152.0	158.3	164.0	169.3	174.0	178.2	181.8	184.9	187.5
80°	221.5	232.2	242.1	251.3	259.8	267.5	274.5	280.6	286.0	290.6	294.3
77.5°	309.8	322.5	334.4	345.5	355.6	364.9	373.2	380.6	387.0	392.5	397.0
75°	394.2	410.1	426.4	441.4	455.3	468.0	479.4	489.5	498.3	505.8	512.0
72.5°	488.1	508.4	528.9	552.1	573.5	593.1	610.7	626.3	639.9	651.5	661.0
70°	601.7	632.5	661.2	690.6	721.7	750.2	775.8	798.6	818.4	835.3	849.2
67.5°	738.3	782.2	823.4	861.7	901.6	940.3	975.1	1006.1	1033.2	1056.2	1075.2
65°	897.9	956.8	1012.1	1063.5	1111.6	1167.7	1218.3	1263.4	1302.7	1336.2	1363.7
62.5°	1083.1	1160.0	1239.2	1313.1	1381.3	1448.6	1514.0	1572.3	1623.1	1666.5	1702.1
60°	1313.1	1405.9	1506.0	1600.5	1687.8	1767.8	1842.3	1908.7	1966.8	2016.3	2057.0
57.5°	1570.0	1687.8	1799.6	1906.2	2004.9	2095.4	2175.2	2245.0	2306.0	2358.1	2401.0
55°	1842.3	1974.3	2098.6	2211.0	2313.9	2408.4	2492.1	2559.7	2619.0	2669.5	2711.2
52.5°	2117.2	2254.2	2382.9	2500.4	2599.4	2690.3	2772.8	2840.7	2899.0	2948.9	2990.1
50°	2376.7	2518.4	2641.3	2756.6	2856.2	2945.2	3026.0	3095.1	3152.4	3201.5	3242.1
47.5°	2613.7	2753.4	2875.9	2988.0	3089.6	3176.5	3255.6	3325.6	3383.0	3432.1	3472.8
45°	2830.1	2965.1	3090.2	3199.0	3300.5	3387.9	3466.6	3537.3	3592.3	3638.6	3676.8
42.5°	3025.4	3159.2	3282.9	3392.8	3493.2	3580.7	3654.2	3720.4	3774.1	3817.3	3853.1
40°	3201.2	3337.8	3459.2	3570.3	3663.5	3749.4	3817.6	3879.1	3931.6	3972.7	4006.9
37.5°	3364.2	3499.6	3617.8	3724.0	3812.9	3892.8	3960.3	4018.7	4070.2	4108.3	4140.1
35°	3513.2	3641.8	3758.7	3856.1	3944.3	4019.5	4086.0	4139.8	4187.7	4224.0	4253.0
32.5°	3641.8	3769.4	3878.0	3973.8	4059.9	4130.1	4193.9	4243.2	4286.6	4321.6	4348.5
30°	3758.7	3878.0	3983.8	4078.7	4157.1	4225.5	4282.9	4331.1	4371.2	4404.6	4428.2
27.5°	3856.1	3973.8	4078.7	4166.2	4241.3	4307.1	4359.7	4406.0	4441.0	4471.8	4492.1
25°	3944.3	4059.9	4157.1	4241.3	4314.2	4374.3	4424.3	4466.3	4497.3	4523.6	4538.8
22.5°	4019.5	4130.1	4225.5	4307.1	4374.3	4430.5	4477.6	4513.1	4538.6	4554.5	4563.4
20°	4086.0	4193.9	4282.9	4359.7	4424.3	4477.6	4518.5	4544.8	4562.5	4566.9	4569.4
17.5°	4139.8	4243.2	4331.1	4406.0	4466.3	4513.1	4544.8	4563.3	4568.6	4567.7	4565.1
15°	4187.7	4286.6	4371.2	4441.0	4497.3	4538.6	4562.5	4568.6	4567.1	4561.7	4553.5
12.5°	4224.0	4321.6	4404.6	4471.8	4523.6	4554.5	4566.9	4567.7	4561.7	4551.5	4539.8
10°	4253.0	4348.5	4428.2	4492.1	4538.8	4563.4	4569.4	4565.1	4553.5	4539.8	4526.8
7.5°	4275.9	4369.9	4447.1	4508.4	4548.7	4566.2	4567.5	4559.3	4545.4	4529.8	4515.8
5°	4292.5	4385.4	4460.8	4520.3	4556.0	4568.2	4566.1	4554.7	4538.6	4522.3	4509.5
2.5°	4302.5	4394.8	4469.1	4527.5	4560.4	4569.5	4565.2	4551.9	4534.4	4517.6	4505.4
0°	4305.9	4397.9	4471.9	4529.9	4561.9	4569.9	4564.9	4550.9	4532.9	4515.9	4503.9
-2.5°	4302.5	4394.8	4469.1	4527.5	4560.4	4569.5	4565.2	4551.9	4534.4	4517.6	4505.4
-5°	4292.5	4385.4	4460.8	4520.3	4556.0	4568.2	4566.1	4554.7	4538.6	4522.3	4509.5
-7.5°	4275.9	4369.9	4447.1	4508.4	4548.7	4566.2	4567.5	4559.3	4545.4	4529.8	4515.8
-10°	4253.0	4348.5	4428.2	4492.1	4538.8	4563.4	4569.4	4565.1	4553.5	4539.8	4526.8
-12.5°	4224.0	4321.6	4404.6	4471.8	4523.6	4554.5	4566.9	4567.7	4561.7	4551.5	4539.8
-15°	4187.7	4286.6	4371.2	4441.0	4497.3	4538.6	4562.5	4568.6	4567.1	4561.7	4553.5
-17.5°	4139.8	4243.2	4331.1	4406.0	4466.3	4513.1	4544.8	4563.3	4568.6	4567.7	4565.1
-20°	4086.0	4193.9	4282.9	4359.7	4424.3	4477.6	4518.5	4544.8	4562.5	4566.9	4569.4



REPORT NUMBER: P645412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-740-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4019.5	4130.1	4225.5	4307.1	4374.3	4430.5	4477.6	4513.1	4538.6	4554.5	4563.4
-25°	3944.3	4059.9	4157.1	4241.3	4314.2	4374.3	4424.3	4466.3	4497.3	4523.6	4538.8
-27.5°	3856.1	3973.8	4078.7	4166.2	4241.3	4307.1	4359.7	4406.0	4441.0	4471.8	4492.1
-30°	3758.7	3878.0	3983.8	4078.7	4157.1	4225.5	4282.9	4331.1	4371.2	4404.6	4428.2
-32.5°	3641.8	3769.4	3878.0	3973.8	4059.9	4130.1	4193.9	4243.2	4286.6	4321.6	4348.5
-35°	3513.2	3641.8	3758.7	3856.1	3944.3	4019.5	4086.0	4139.8	4187.7	4224.0	4253.0
-37.5°	3364.2	3499.6	3617.8	3724.0	3812.9	3892.8	3960.3	4018.7	4070.2	4108.3	4140.1
-40°	3201.2	3337.8	3459.2	3570.3	3663.5	3749.4	3817.6	3879.1	3931.6	3972.7	4006.9
-42.5°	3025.4	3159.2	3282.9	3392.8	3493.2	3580.7	3654.2	3720.4	3774.1	3817.3	3853.1
-45°	2830.1	2965.1	3090.2	3199.0	3300.5	3387.9	3466.6	3537.3	3592.3	3638.6	3676.8
-47.5°	2613.7	2753.4	2875.9	2988.0	3089.6	3176.5	3255.6	3325.6	3383.0	3432.1	3472.8
-50°	2376.7	2518.4	2641.3	2756.6	2856.2	2945.2	3026.0	3095.1	3152.4	3201.5	3242.1
-52.5°	2117.2	2254.2	2382.9	2500.4	2599.4	2690.3	2772.8	2840.7	2899.0	2948.9	2990.1
-55°	1842.3	1974.3	2098.6	2211.0	2313.9	2408.4	2492.1	2559.7	2619.0	2669.5	2711.2
-57.5°	1570.0	1687.8	1799.6	1906.2	2004.9	2095.4	2175.2	2245.0	2306.0	2358.1	2401.0
-60°	1313.1	1405.9	1506.0	1600.5	1687.8	1767.8	1842.3	1908.7	1966.8	2016.3	2057.0
-62.5°	1083.1	1160.0	1239.2	1313.1	1381.3	1448.6	1514.0	1572.3	1623.1	1666.5	1702.1
-65°	897.9	956.8	1012.1	1063.5	1111.6	1167.7	1218.3	1263.4	1302.7	1336.2	1363.7
-67.5°	738.3	782.2	823.4	861.7	901.6	940.3	975.1	1006.1	1033.2	1056.2	1075.2
-70°	601.7	632.5	661.2	690.6	721.7	750.2	775.8	798.6	818.4	835.3	849.2
-72.5°	488.1	508.4	528.9	552.1	573.5	593.1	610.7	626.3	639.9	651.5	661.0
-75°	394.2	410.1	426.4	441.4	455.3	468.0	479.4	489.5	498.3	505.8	512.0
-77.5°	309.8	322.5	334.4	345.5	355.6	364.9	373.2	380.6	387.0	392.5	397.0
-80°	221.5	232.2	242.1	251.3	259.8	267.5	274.5	280.6	286.0	290.6	294.3
-82.5°	138.1	145.3	152.0	158.3	164.0	169.3	174.0	178.2	181.8	184.9	187.5
-85°	68.4	71.7	74.7	77.6	80.2	82.6	84.8	86.7	88.4	89.8	90.9
-87.5°	20.5	21.1	21.6	22.2	22.7	23.1	23.5	23.8	24.1	24.4	24.6
-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: P645412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-740-U-LAM-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°	24.8	24.9	25.0	25.0	25.0	24.9	24.8	24.6	24.4	24.1	23.8
85°	91.8	92.5	92.9	93.0	92.9	92.5	91.8	90.9	89.8	88.4	86.7
82.5°	189.4	190.9	191.7	192.0	191.7	190.9	189.4	187.5	184.9	181.8	178.2
80°	297.2	299.3	300.6	301.0	300.6	299.3	297.2	294.3	290.6	286.0	280.6
77.5°	400.5	403.0	404.5	405.0	404.5	403.0	400.5	397.0	392.5	387.0	380.6
75°	516.8	520.2	522.3	523.0	522.3	520.2	516.8	512.0	505.8	498.3	489.5
72.5°	668.4	673.7	676.9	678.0	676.9	673.7	668.4	661.0	651.5	639.9	626.3
70°	860.0	867.8	872.4	874.0	872.4	867.8	860.0	849.2	835.3	818.4	798.6
67.5°	1089.9	1100.5	1106.9	1109.0	1106.9	1100.5	1089.9	1075.2	1056.2	1033.2	1006.1
65°	1385.2	1400.6	1409.9	1413.0	1409.9	1400.6	1385.2	1363.7	1336.2	1302.7	1263.4
62.5°	1730.0	1750.0	1762.0	1766.0	1762.0	1750.0	1730.0	1702.1	1666.5	1623.1	1572.3
60°	2088.9	2111.7	2125.4	2130.0	2125.4	2111.7	2088.9	2057.0	2016.3	1966.8	1908.7
57.5°	2434.6	2458.7	2473.2	2478.0	2473.2	2458.7	2434.6	2401.0	2358.1	2306.0	2245.0
55°	2743.8	2767.2	2781.3	2786.0	2781.3	2767.2	2743.8	2711.2	2669.5	2619.0	2559.7
52.5°	3022.3	3045.4	3059.3	3064.0	3059.3	3045.4	3022.3	2990.1	2948.9	2899.0	2840.7
50°	3273.8	3296.7	3310.4	3315.0	3310.4	3296.7	3273.8	3242.1	3201.5	3152.4	3095.1
47.5°	3504.6	3527.6	3541.4	3546.0	3541.4	3527.6	3504.6	3472.8	3432.1	3383.0	3325.6
45°	3706.9	3728.5	3741.5	3745.9	3741.5	3728.5	3706.9	3676.8	3638.6	3592.3	3537.3
42.5°	3881.3	3901.6	3913.8	3917.9	3913.8	3901.6	3881.3	3853.1	3817.3	3774.1	3720.4
40°	4033.8	4053.2	4065.0	4068.9	4065.0	4053.2	4033.8	4006.9	3972.7	3931.6	3879.1
37.5°	4165.2	4183.3	4194.2	4197.9	4194.2	4183.3	4165.2	4140.1	4108.3	4070.2	4018.7
35°	4275.9	4292.5	4302.5	4305.9	4302.5	4292.5	4275.9	4253.0	4224.0	4187.7	4139.8
32.5°	4369.9	4385.4	4394.8	4397.9	4394.8	4385.4	4369.9	4348.5	4321.6	4286.6	4243.2
30°	4447.1	4460.8	4469.1	4471.9	4469.1	4460.8	4447.1	4428.2	4404.6	4371.2	4331.1
27.5°	4508.4	4520.3	4527.5	4529.9	4527.5	4520.3	4508.4	4492.1	4471.8	4441.0	4406.0
25°	4548.7	4556.0	4560.4	4561.9	4560.4	4556.0	4548.7	4538.8	4523.6	4497.3	4466.3
22.5°	4566.2	4568.2	4569.5	4569.9	4569.5	4568.2	4566.2	4563.4	4554.5	4538.6	4513.1
20°	4567.5	4566.1	4565.2	4564.9	4565.2	4566.1	4567.5	4569.4	4566.9	4562.5	4544.8
17.5°	4559.3	4554.7	4551.9	4550.9	4551.9	4554.7	4559.3	4565.1	4567.7	4568.6	4563.3
15°	4545.4	4538.6	4534.4	4532.9	4534.4	4538.6	4545.4	4553.5	4561.7	4567.1	4568.6
12.5°	4529.8	4522.3	4517.6	4515.9	4517.6	4522.3	4529.8	4539.8	4551.5	4561.7	4567.7
10°	4515.8	4509.5	4505.4	4503.9	4505.4	4509.5	4515.8	4526.8	4539.8	4553.5	4565.1
7.5°	4506.7	4501.1	4498.0	4496.9	4498.0	4501.1	4506.7	4515.8	4529.8	4545.4	4559.3
5°	4501.1	4495.5	4490.8	4488.9	4490.8	4495.5	4501.1	4509.5	4522.3	4538.6	4554.7
2.5°	4498.0	4490.8	4483.6	4479.9	4483.6	4490.8	4498.0	4505.4	4517.6	4534.4	4551.9
0°	4496.9	4488.9	4479.9	4480.9	4479.9	4488.9	4496.9	4503.9	4515.9	4532.9	4550.9
-2.5°	4498.0	4490.8	4483.6	4479.9	4483.6	4490.8	4498.0	4505.4	4517.6	4534.4	4551.9
-5°	4501.1	4495.5	4490.8	4488.9	4490.8	4495.5	4501.1	4509.5	4522.3	4538.6	4554.7
-7.5°	4506.7	4501.1	4498.0	4496.9	4498.0	4501.1	4506.7	4515.8	4529.8	4545.4	4559.3
-10°	4515.8	4509.5	4505.4	4503.9	4505.4	4509.5	4515.8	4526.8	4539.8	4553.5	4565.1
-12.5°	4529.8	4522.3	4517.6	4515.9	4517.6	4522.3	4529.8	4539.8	4551.5	4561.7	4567.7
-15°	4545.4	4538.6	4534.4	4532.9	4534.4	4538.6	4545.4	4553.5	4561.7	4567.1	4568.6
-17.5°	4559.3	4554.7	4551.9	4550.9	4551.9	4554.7	4559.3	4565.1	4567.7	4568.6	4563.3
-20°	4567.5	4566.1	4565.2	4564.9	4565.2	4566.1	4567.5	4569.4	4566.9	4562.5	4544.8

Classified

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

Scaled Data Report



REPORT NUMBER: P645412 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3B-740-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4566.2	4568.2	4569.5	4569.9	4569.5	4568.2	4566.2	4563.4	4554.5	4538.6	4513.1
-25°	4548.7	4556.0	4560.4	4561.9	4560.4	4556.0	4548.7	4538.8	4523.6	4497.3	4466.3
-27.5°	4508.4	4520.3	4527.5	4529.9	4527.5	4520.3	4508.4	4492.1	4471.8	4441.0	4406.0
-30°	4447.1	4460.8	4469.1	4471.9	4469.1	4460.8	4447.1	4428.2	4404.6	4371.2	4331.1
-32.5°	4369.9	4385.4	4394.8	4397.9	4394.8	4385.4	4369.9	4348.5	4321.6	4286.6	4243.2
-35°	4275.9	4292.5	4302.5	4305.9	4302.5	4292.5	4275.9	4253.0	4224.0	4187.7	4139.8
-37.5°	4165.2	4183.3	4194.2	4197.9	4194.2	4183.3	4165.2	4140.1	4108.3	4070.2	4018.7
-40°	4033.8	4053.2	4065.0	4068.9	4065.0	4053.2	4033.8	4006.9	3972.7	3931.6	3879.1
-42.5°	3881.3	3901.6	3913.8	3917.9	3913.8	3901.6	3881.3	3853.1	3817.3	3774.1	3720.4
-45°	3706.9	3728.5	3741.5	3745.9	3741.5	3728.5	3706.9	3676.8	3638.6	3592.3	3537.3
-47.5°	3504.6	3527.6	3541.4	3546.0	3541.4	3527.6	3504.6	3472.8	3432.1	3383.0	3325.6
-50°	3273.8	3296.7	3310.4	3315.0	3310.4	3296.7	3273.8	3242.1	3201.5	3152.4	3095.1
-52.5°	3022.3	3045.4	3059.3	3064.0	3059.3	3045.4	3022.3	2990.1	2948.9	2899.0	2840.7
-55°	2743.8	2767.2	2781.3	2786.0	2781.3	2767.2	2743.8	2711.2	2669.5	2619.0	2559.7
-57.5°	2434.6	2458.7	2473.2	2478.0	2473.2	2458.7	2434.6	2401.0	2358.1	2306.0	2245.0
-60°	2088.9	2111.7	2125.4	2130.0	2125.4	2111.7	2088.9	2057.0	2016.3	1966.8	1908.7
-62.5°	1730.0	1750.0	1762.0	1766.0	1762.0	1750.0	1730.0	1702.1	1666.5	1623.1	1572.3
-65°	1385.2	1400.6	1409.9	1413.0	1409.9	1400.6	1385.2	1363.7	1336.2	1302.7	1263.4
-67.5°	1089.9	1100.5	1106.9	1109.0	1106.9	1100.5	1089.9	1075.2	1056.2	1033.2	1006.1
-70°	860.0	867.8	872.4	874.0	872.4	867.8	860.0	849.2	835.3	818.4	798.6
-72.5°	668.4	673.7	676.9	678.0	676.9	673.7	668.4	661.0	651.5	639.9	626.3
-75°	516.8	520.2	522.3	523.0	522.3	520.2	516.8	512.0	505.8	498.3	489.5
-77.5°	400.5	403.0	404.5	405.0	404.5	403.0	400.5	397.0	392.5	387.0	380.6
-80°	297.2	299.3	300.6	301.0	300.6	299.3	297.2	294.3	290.6	286.0	280.6
-82.5°	189.4	190.9	191.7	192.0	191.7	190.9	189.4	187.5	184.9	181.8	178.2
-85°	91.8	92.5	92.9	93.0	92.9	92.5	91.8	90.9	89.8	88.4	86.7
-87.5°	24.8	24.9	25.0	25.0	25.0	24.9	24.8	24.6	24.4	24.1	23.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-740-U-LAM-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°	23.5	23.1	22.7	22.2	21.6	21.1	20.5	19.8	19.1	18.4	17.7
85°	84.8	82.6	80.2	77.6	74.7	71.7	68.4	64.8	61.1	57.2	53.1
82.5°	174.0	169.3	164.0	158.3	152.0	145.3	138.1	130.4	122.2	113.7	104.7
80°	274.5	267.5	259.8	251.3	242.1	232.2	221.5	210.2	198.3	186.3	174.3
77.5°	373.2	364.9	355.6	345.5	334.4	322.5	309.8	296.1	281.1	265.3	248.8
75°	479.4	468.0	455.3	441.4	426.4	410.1	394.2	377.9	360.7	342.6	323.7
72.5°	610.7	593.1	573.5	552.1	528.9	508.4	488.1	466.5	443.6	419.6	395.7
70°	775.8	750.2	721.7	690.6	661.2	632.5	601.7	569.1	534.7	504.4	475.6
67.5°	975.1	940.3	901.6	861.7	823.4	782.2	738.3	691.7	649.9	609.1	566.4
65°	1218.3	1167.7	1111.6	1063.5	1012.1	956.8	897.9	841.8	786.9	729.3	671.0
62.5°	1514.0	1448.6	1381.3	1313.1	1239.2	1160.0	1083.1	1014.0	941.2	866.4	800.1
60°	1842.3	1767.8	1687.8	1600.5	1506.0	1405.9	1313.1	1214.9	1111.6	1027.4	940.3
57.5°	2175.2	2095.4	2004.9	1906.2	1799.6	1687.8	1570.0	1445.6	1328.5	1210.8	1092.9
55°	2492.1	2408.4	2313.9	2211.0	2098.6	1974.3	1842.3	1705.0	1563.3	1415.4	1282.6
52.5°	2772.8	2690.3	2599.4	2500.4	2382.9	2254.2	2117.2	1966.8	1809.2	1648.6	1483.1
50°	3026.0	2945.2	2856.2	2756.6	2641.3	2518.4	2376.7	2222.0	2057.0	1880.8	1700.2
47.5°	3255.6	3176.5	3089.6	2988.0	2875.9	2753.4	2613.7	2465.5	2292.4	2111.7	1916.9
45°	3466.6	3387.9	3300.5	3199.0	3090.2	2965.1	2830.1	2678.1	2514.7	2327.9	2130.0
42.5°	3654.2	3580.7	3493.2	3392.8	3282.9	3159.2	3025.4	2874.7	2710.5	2530.7	2327.9
40°	3817.6	3749.4	3663.5	3570.3	3459.2	3337.8	3201.2	3055.8	2889.6	2710.5	2514.7
37.5°	3960.3	3892.8	3812.9	3724.0	3617.8	3499.6	3364.2	3215.3	3055.8	2874.7	2678.1
35°	4086.0	4019.5	3944.3	3856.1	3758.7	3641.8	3513.2	3364.2	3201.2	3025.4	2830.1
32.5°	4193.9	4130.1	4059.9	3973.8	3878.0	3769.4	3641.8	3499.6	3337.8	3159.2	2965.1
30°	4282.9	4225.5	4157.1	4078.7	3983.8	3878.0	3758.7	3617.8	3459.2	3282.9	3090.2
27.5°	4359.7	4307.1	4241.3	4166.2	4078.7	3973.8	3856.1	3724.0	3570.3	3392.8	3199.0
25°	4424.3	4374.3	4314.2	4241.3	4157.1	4059.9	3944.3	3812.9	3663.5	3493.2	3300.5
22.5°	4477.6	4430.5	4374.3	4307.1	4225.5	4130.1	4019.5	3892.8	3749.4	3580.7	3387.9
20°	4518.5	4477.6	4424.3	4359.7	4282.9	4193.9	4086.0	3960.3	3817.6	3654.2	3466.6
17.5°	4544.8	4513.1	4466.3	4406.0	4331.1	4243.2	4139.8	4018.7	3879.1	3720.4	3537.3
15°	4562.5	4538.6	4497.3	4441.0	4371.2	4286.6	4187.7	4070.2	3931.6	3774.1	3592.3
12.5°	4566.9	4554.5	4523.6	4471.8	4404.6	4321.6	4224.0	4108.3	3972.7	3817.3	3638.6
10°	4569.4	4563.4	4538.8	4492.1	4428.2	4348.5	4253.0	4140.1	4006.9	3853.1	3676.8
7.5°	4567.5	4566.2	4548.7	4508.4	4447.1	4369.9	4275.9	4165.2	4033.8	3881.3	3706.9
5°	4566.1	4568.2	4556.0	4520.3	4460.8	4385.4	4292.5	4183.3	4053.2	3901.6	3728.5
2.5°	4565.2	4569.5	4560.4	4527.5	4469.1	4394.8	4302.5	4194.2	4065.0	3913.8	3741.5
0°	4564.9	4569.9	4561.9	4529.9	4471.9	4397.9	4305.9	4197.9	4068.9	3917.9	3745.9
-2.5°	4565.2	4569.5	4560.4	4527.5	4469.1	4394.8	4302.5	4194.2	4065.0	3913.8	3741.5
-5°	4566.1	4568.2	4556.0	4520.3	4460.8	4385.4	4292.5	4183.3	4053.2	3901.6	3728.5
-7.5°	4567.5	4566.2	4548.7	4508.4	4447.1	4369.9	4275.9	4165.2	4033.8	3881.3	3706.9
-10°	4569.4	4563.4	4538.8	4492.1	4428.2	4348.5	4253.0	4140.1	4006.9	3853.1	3676.8
-12.5°	4566.9	4554.5	4523.6	4471.8	4404.6	4321.6	4224.0	4108.3	3972.7	3817.3	3638.6
-15°	4562.5	4538.6	4497.3	4441.0	4371.2	4286.6	4187.7	4070.2	3931.6	3774.1	3592.3
-17.5°	4544.8	4513.1	4466.3	4406.0	4331.1	4243.2	4139.8	4018.7	3879.1	3720.4	3537.3
-20°	4518.5	4477.6	4424.3	4359.7	4282.9	4193.9	4086.0	3960.3	3817.6	3654.2	3466.6



REPORT NUMBER: P645412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-740-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4477.6	4430.5	4374.3	4307.1	4225.5	4130.1	4019.5	3892.8	3749.4	3580.7	3387.9
-25°	4424.3	4374.3	4314.2	4241.3	4157.1	4059.9	3944.3	3812.9	3663.5	3493.2	3300.5
-27.5°	4359.7	4307.1	4241.3	4166.2	4078.7	3973.8	3856.1	3724.0	3570.3	3392.8	3199.0
-30°	4282.9	4225.5	4157.1	4078.7	3983.8	3878.0	3758.7	3617.8	3459.2	3282.9	3090.2
-32.5°	4193.9	4130.1	4059.9	3973.8	3878.0	3769.4	3641.8	3499.6	3337.8	3159.2	2965.1
-35°	4086.0	4019.5	3944.3	3856.1	3758.7	3641.8	3513.2	3364.2	3201.2	3025.4	2830.1
-37.5°	3960.3	3892.8	3812.9	3724.0	3617.8	3499.6	3364.2	3215.3	3055.8	2874.7	2678.1
-40°	3817.6	3749.4	3663.5	3570.3	3459.2	3337.8	3201.2	3055.8	2889.6	2710.5	2514.7
-42.5°	3654.2	3580.7	3493.2	3392.8	3282.9	3159.2	3025.4	2874.7	2710.5	2530.7	2327.9
-45°	3466.6	3387.9	3300.5	3199.0	3090.2	2965.1	2830.1	2678.1	2514.7	2327.9	2130.0
-47.5°	3255.6	3176.5	3089.6	2988.0	2875.9	2753.4	2613.7	2465.5	2292.4	2111.7	1916.9
-50°	3026.0	2945.2	2856.2	2756.6	2641.3	2518.4	2376.7	2222.0	2057.0	1880.8	1700.2
-52.5°	2772.8	2690.3	2599.4	2500.4	2382.9	2254.2	2117.2	1966.8	1809.2	1648.6	1483.1
-55°	2492.1	2408.4	2313.9	2211.0	2098.6	1974.3	1842.3	1705.0	1563.3	1415.4	1282.6
-57.5°	2175.2	2095.4	2004.9	1906.2	1799.6	1687.8	1570.0	1445.6	1328.5	1210.8	1092.9
-60°	1842.3	1767.8	1687.8	1600.5	1506.0	1405.9	1313.1	1214.9	1111.6	1027.4	940.3
-62.5°	1514.0	1448.6	1381.3	1313.1	1239.2	1160.0	1083.1	1014.0	941.2	866.4	800.1
-65°	1218.3	1167.7	1111.6	1063.5	1012.1	956.8	897.9	841.8	786.9	729.3	671.0
-67.5°	975.1	940.3	901.6	861.7	823.4	782.2	738.3	691.7	649.9	609.1	566.4
-70°	775.8	750.2	721.7	690.6	661.2	632.5	601.7	569.1	534.7	504.4	475.6
-72.5°	610.7	593.1	573.5	552.1	528.9	508.4	488.1	466.5	443.6	419.6	395.7
-75°	479.4	468.0	455.3	441.4	426.4	410.1	394.2	377.9	360.7	342.6	323.7
-77.5°	373.2	364.9	355.6	345.5	334.4	322.5	309.8	296.1	281.1	265.3	248.8
-80°	274.5	267.5	259.8	251.3	242.1	232.2	221.5	210.2	198.3	186.3	174.3
-82.5°	174.0	169.3	164.0	158.3	152.0	145.3	138.1	130.4	122.2	113.7	104.7
-85°	84.8	82.6	80.2	77.6	74.7	71.7	68.4	64.8	61.1	57.2	53.1
-87.5°	23.5	23.1	22.7	22.2	21.6	21.1	20.5	19.8	19.1	18.4	17.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-740-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.9	16.1	15.2	14.3	13.4	12.5	11.5	10.6	9.6	8.5	7.5
85°	48.8	44.4	39.7	34.9	30.0	25.0	23.1	21.1	19.1	17.1	15.0
82.5°	95.3	87.9	81.0	73.8	66.4	58.8	51.0	43.0	34.9	26.6	22.5
80°	161.8	148.8	135.3	121.4	107.0	92.5	82.1	71.5	60.6	49.6	38.4
77.5°	231.6	213.7	195.1	177.4	159.5	141.0	122.1	102.8	86.2	72.5	58.5
75°	303.9	282.5	260.2	237.2	213.5	189.4	166.8	143.7	120.1	96.1	78.4
72.5°	372.6	348.6	323.8	298.0	270.4	242.0	213.0	184.1	156.7	128.8	100.4
70°	445.6	414.4	384.9	355.6	325.5	294.3	261.2	227.4	192.9	161.0	128.8
67.5°	522.2	487.1	450.9	413.5	378.6	343.9	308.4	270.8	232.2	192.9	156.7
65°	621.6	570.3	518.7	477.1	434.5	392.5	353.1	313.0	270.8	227.4	184.1
62.5°	731.1	663.5	605.2	545.2	493.0	445.1	397.1	353.1	308.4	261.2	213.0
60°	853.8	775.8	695.3	626.3	559.2	498.3	445.1	392.5	343.9	294.3	242.0
57.5°	994.7	893.2	802.8	713.3	633.3	559.2	493.0	434.5	378.6	325.5	270.4
55°	1145.4	1027.7	915.0	811.9	713.3	626.3	545.2	477.1	413.5	355.6	298.0
52.5°	1326.0	1174.1	1038.7	915.0	802.8	695.3	605.2	518.7	450.9	384.9	323.8
50°	1517.2	1340.6	1174.1	1027.7	893.2	775.8	663.5	570.3	487.1	414.4	348.6
47.5°	1717.5	1517.2	1326.0	1145.4	994.7	853.8	731.1	621.6	522.2	445.6	372.6
45°	1916.9	1700.2	1483.1	1282.6	1092.9	940.3	800.1	671.0	566.4	475.6	395.7
42.5°	2111.7	1880.8	1648.6	1415.4	1210.8	1027.4	866.4	729.3	609.1	504.4	419.6
40°	2292.4	2057.0	1809.2	1563.3	1328.5	1111.6	941.2	786.9	649.9	534.7	443.6
37.5°	2465.5	2222.0	1966.8	1705.0	1445.6	1214.9	1014.0	841.8	691.7	569.1	466.5
35°	2613.7	2376.7	2117.2	1842.3	1570.0	1313.1	1083.1	897.9	738.3	601.7	488.1
32.5°	2753.4	2518.4	2254.2	1974.3	1687.8	1405.9	1160.0	956.8	782.2	632.5	508.4
30°	2875.9	2641.3	2382.9	2098.6	1799.6	1506.0	1239.2	1012.1	823.4	661.2	528.9
27.5°	2988.0	2756.6	2500.4	2211.0	1906.2	1600.5	1313.1	1063.5	861.7	690.6	552.1
25°	3089.6	2856.2	2599.4	2313.9	2004.9	1687.8	1381.3	1111.6	901.6	721.7	573.5
22.5°	3176.5	2945.2	2690.3	2408.4	2095.4	1767.8	1448.6	1167.7	940.3	750.2	593.1
20°	3255.6	3026.0	2772.8	2492.1	2175.2	1842.3	1514.0	1218.3	975.1	775.8	610.7
17.5°	3325.6	3095.1	2840.7	2559.7	2245.0	1908.7	1572.3	1263.4	1006.1	798.6	626.3
15°	3383.0	3152.4	2899.0	2619.0	2306.0	1966.8	1623.1	1302.7	1033.2	818.4	639.9
12.5°	3432.1	3201.5	2948.9	2669.5	2358.1	2016.3	1666.5	1336.2	1056.2	835.3	651.5
10°	3472.8	3242.1	2990.1	2711.2	2401.0	2057.0	1702.1	1363.7	1075.2	849.2	661.0
7.5°	3504.6	3273.8	3022.3	2743.8	2434.6	2088.9	1730.0	1385.2	1089.9	860.0	668.4
5°	3527.6	3296.7	3045.4	2767.2	2458.7	2111.7	1750.0	1400.6	1100.5	867.8	673.7
2.5°	3541.4	3310.4	3059.3	2781.3	2473.2	2125.4	1762.0	1409.9	1106.9	872.4	676.9
0°	3546.0	3315.0	3064.0	2786.0	2478.0	2130.0	1766.0	1413.0	1109.0	874.0	678.0
-2.5°	3541.4	3310.4	3059.3	2781.3	2473.2	2125.4	1762.0	1409.9	1106.9	872.4	676.9
-5°	3527.6	3296.7	3045.4	2767.2	2458.7	2111.7	1750.0	1400.6	1100.5	867.8	673.7
-7.5°	3504.6	3273.8	3022.3	2743.8	2434.6	2088.9	1730.0	1385.2	1089.9	860.0	668.4
-10°	3472.8	3242.1	2990.1	2711.2	2401.0	2057.0	1702.1	1363.7	1075.2	849.2	661.0
-12.5°	3432.1	3201.5	2948.9	2669.5	2358.1	2016.3	1666.5	1336.2	1056.2	835.3	651.5
-15°	3383.0	3152.4	2899.0	2619.0	2306.0	1966.8	1623.1	1302.7	1033.2	818.4	639.9
-17.5°	3325.6	3095.1	2840.7	2559.7	2245.0	1908.7	1572.3	1263.4	1006.1	798.6	626.3
-20°	3255.6	3026.0	2772.8	2492.1	2175.2	1842.3	1514.0	1218.3	975.1	775.8	610.7



REPORT NUMBER: P645412 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-740-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3176.5	2945.2	2690.3	2408.4	2095.4	1767.8	1448.6	1167.7	940.3	750.2	593.1
-25°	3089.6	2856.2	2599.4	2313.9	2004.9	1687.8	1381.3	1111.6	901.6	721.7	573.5
-27.5°	2988.0	2756.6	2500.4	2211.0	1906.2	1600.5	1313.1	1063.5	861.7	690.6	552.1
-30°	2875.9	2641.3	2382.9	2098.6	1799.6	1506.0	1239.2	1012.1	823.4	661.2	528.9
-32.5°	2753.4	2518.4	2254.2	1974.3	1687.8	1405.9	1160.0	956.8	782.2	632.5	508.4
-35°	2613.7	2376.7	2117.2	1842.3	1570.0	1313.1	1083.1	897.9	738.3	601.7	488.1
-37.5°	2465.5	2222.0	1966.8	1705.0	1445.6	1214.9	1014.0	841.8	691.7	569.1	466.5
-40°	2292.4	2057.0	1809.2	1563.3	1328.5	1111.6	941.2	786.9	649.9	534.7	443.6
-42.5°	2111.7	1880.8	1648.6	1415.4	1210.8	1027.4	866.4	729.3	609.1	504.4	419.6
-45°	1916.9	1700.2	1483.1	1282.6	1092.9	940.3	800.1	671.0	566.4	475.6	395.7
-47.5°	1717.5	1517.2	1326.0	1145.4	994.7	853.8	731.1	621.6	522.2	445.6	372.6
-50°	1517.2	1340.6	1174.1	1027.7	893.2	775.8	663.5	570.3	487.1	414.4	348.6
-52.5°	1326.0	1174.1	1038.7	915.0	802.8	695.3	605.2	518.7	450.9	384.9	323.8
-55°	1145.4	1027.7	915.0	811.9	713.3	626.3	545.2	477.1	413.5	355.6	298.0
-57.5°	994.7	893.2	802.8	713.3	633.3	559.2	493.0	434.5	378.6	325.5	270.4
-60°	853.8	775.8	695.3	626.3	559.2	498.3	445.1	392.5	343.9	294.3	242.0
-62.5°	731.1	663.5	605.2	545.2	493.0	445.1	397.1	353.1	308.4	261.2	213.0
-65°	621.6	570.3	518.7	477.1	434.5	392.5	353.1	313.0	270.8	227.4	184.1
-67.5°	522.2	487.1	450.9	413.5	378.6	343.9	308.4	270.8	232.2	192.9	156.7
-70°	445.6	414.4	384.9	355.6	325.5	294.3	261.2	227.4	192.9	161.0	128.8
-72.5°	372.6	348.6	323.8	298.0	270.4	242.0	213.0	184.1	156.7	128.8	100.4
-75°	303.9	282.5	260.2	237.2	213.5	189.4	166.8	143.7	120.1	96.1	78.4
-77.5°	231.6	213.7	195.1	177.4	159.5	141.0	122.1	102.8	86.2	72.5	58.5
-80°	161.8	148.8	135.3	121.4	107.0	92.5	82.1	71.5	60.6	49.6	38.4
-82.5°	95.3	87.9	81.0	73.8	66.4	58.8	51.0	43.0	34.9	26.6	22.5
-85°	48.8	44.4	39.7	34.9	30.0	25.0	23.1	21.1	19.1	17.1	15.0
-87.5°	16.9	16.1	15.2	14.3	13.4	12.5	11.5	10.6	9.6	8.5	7.5
-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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Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



REPORT NUMBER: P645412 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3B-740-U-LAM-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°	6.5	5.4	4.3	3.3	2.2	1.1	0.0
85°	12.9	10.8	8.7	6.5	4.4	2.2	0.0
82.5°	19.4	16.2	13.0	9.8	6.5	3.3	0.0
80°	27.1	21.5	17.3	13.0	8.7	4.3	0.0
77.5°	44.3	30.0	21.5	16.2	10.8	5.4	0.0
75°	61.5	44.3	27.1	19.4	12.9	6.5	0.0
72.5°	78.4	58.5	38.4	22.5	15.0	7.5	0.0
70°	96.1	72.5	49.6	26.6	17.1	8.5	0.0
67.5°	120.1	86.2	60.6	34.9	19.1	9.6	0.0
65°	143.7	102.8	71.5	43.0	21.1	10.6	0.0
62.5°	166.8	122.1	82.1	51.0	23.1	11.5	0.0
60°	189.4	141.0	92.5	58.8	25.0	12.5	0.0
57.5°	213.5	159.5	107.0	66.4	30.0	13.4	0.0
55°	237.2	177.4	121.4	73.8	34.9	14.3	0.0
52.5°	260.2	195.1	135.3	81.0	39.7	15.2	0.0
50°	282.5	213.7	148.8	87.9	44.4	16.1	0.0
47.5°	303.9	231.6	161.8	95.3	48.8	16.9	0.0
45°	323.7	248.8	174.3	104.7	53.1	17.7	0.0
42.5°	342.6	265.3	186.3	113.7	57.2	18.4	0.0
40°	360.7	281.1	198.3	122.2	61.1	19.1	0.0
37.5°	377.9	296.1	210.2	130.4	64.8	19.8	0.0
35°	394.2	309.8	221.5	138.1	68.4	20.5	0.0
32.5°	410.1	322.5	232.2	145.3	71.7	21.1	0.0
30°	426.4	334.4	242.1	152.0	74.7	21.6	0.0
27.5°	441.4	345.5	251.3	158.3	77.6	22.2	0.0
25°	455.3	355.6	259.8	164.0	80.2	22.7	0.0
22.5°	468.0	364.9	267.5	169.3	82.6	23.1	0.0
20°	479.4	373.2	274.5	174.0	84.8	23.5	0.0
17.5°	489.5	380.6	280.6	178.2	86.7	23.8	0.0
15°	498.3	387.0	286.0	181.8	88.4	24.1	0.0
12.5°	505.8	392.5	290.6	184.9	89.8	24.4	0.0
10°	512.0	397.0	294.3	187.5	90.9	24.6	0.0
7.5°	516.8	400.5	297.2	189.4	91.8	24.8	0.0
5°	520.2	403.0	299.3	190.9	92.5	24.9	0.0
2.5°	522.3	404.5	300.6	191.7	92.9	25.0	0.0
0°	523.0	405.0	301.0	192.0	93.0	25.0	0.0
-2.5°	522.3	404.5	300.6	191.7	92.9	25.0	0.0
-5°	520.2	403.0	299.3	190.9	92.5	24.9	0.0
-7.5°	516.8	400.5	297.2	189.4	91.8	24.8	0.0
-10°	512.0	397.0	294.3	187.5	90.9	24.6	0.0
-12.5°	505.8	392.5	290.6	184.9	89.8	24.4	0.0
-15°	498.3	387.0	286.0	181.8	88.4	24.1	0.0
-17.5°	489.5	380.6	280.6	178.2	86.7	23.8	0.0
-20°	479.4	373.2	274.5	174.0	84.8	23.5	0.0

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Scaled Data Report



REPORT NUMBER: P645412 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA3B-740-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	468.0	364.9	267.5	169.3	82.6	23.1	0.0
-25°	455.3	355.6	259.8	164.0	80.2	22.7	0.0
-27.5°	441.4	345.5	251.3	158.3	77.6	22.2	0.0
-30°	426.4	334.4	242.1	152.0	74.7	21.6	0.0
-32.5°	410.1	322.5	232.2	145.3	71.7	21.1	0.0
-35°	394.2	309.8	221.5	138.1	68.4	20.5	0.0
-37.5°	377.9	296.1	210.2	130.4	64.8	19.8	0.0
-40°	360.7	281.1	198.3	122.2	61.1	19.1	0.0
-42.5°	342.6	265.3	186.3	113.7	57.2	18.4	0.0
-45°	323.7	248.8	174.3	104.7	53.1	17.7	0.0
-47.5°	303.9	231.6	161.8	95.3	48.8	16.9	0.0
-50°	282.5	213.7	148.8	87.9	44.4	16.1	0.0
-52.5°	260.2	195.1	135.3	81.0	39.7	15.2	0.0
-55°	237.2	177.4	121.4	73.8	34.9	14.3	0.0
-57.5°	213.5	159.5	107.0	66.4	30.0	13.4	0.0
-60°	189.4	141.0	92.5	58.8	25.0	12.5	0.0
-62.5°	166.8	122.1	82.1	51.0	23.1	11.5	0.0
-65°	143.7	102.8	71.5	43.0	21.1	10.6	0.0
-67.5°	120.1	86.2	60.6	34.9	19.1	9.6	0.0
-70°	96.1	72.5	49.6	26.6	17.1	8.5	0.0
-72.5°	78.4	58.5	38.4	22.5	15.0	7.5	0.0
-75°	61.5	44.3	27.1	19.4	12.9	6.5	0.0
-77.5°	44.3	30.0	21.5	16.2	10.8	5.4	0.0
-80°	27.1	21.5	17.3	13.0	8.7	4.3	0.0
-82.5°	19.4	16.2	13.0	9.8	6.5	3.3	0.0
-85°	12.9	10.8	8.7	6.5	4.4	2.2	0.0
-87.5°	6.5	5.4	4.3	3.3	2.2	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)