

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: P627090 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3B-730-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627090 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 12/7/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA3B-730-U-VWR-VSR-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7 WITH VISOR
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

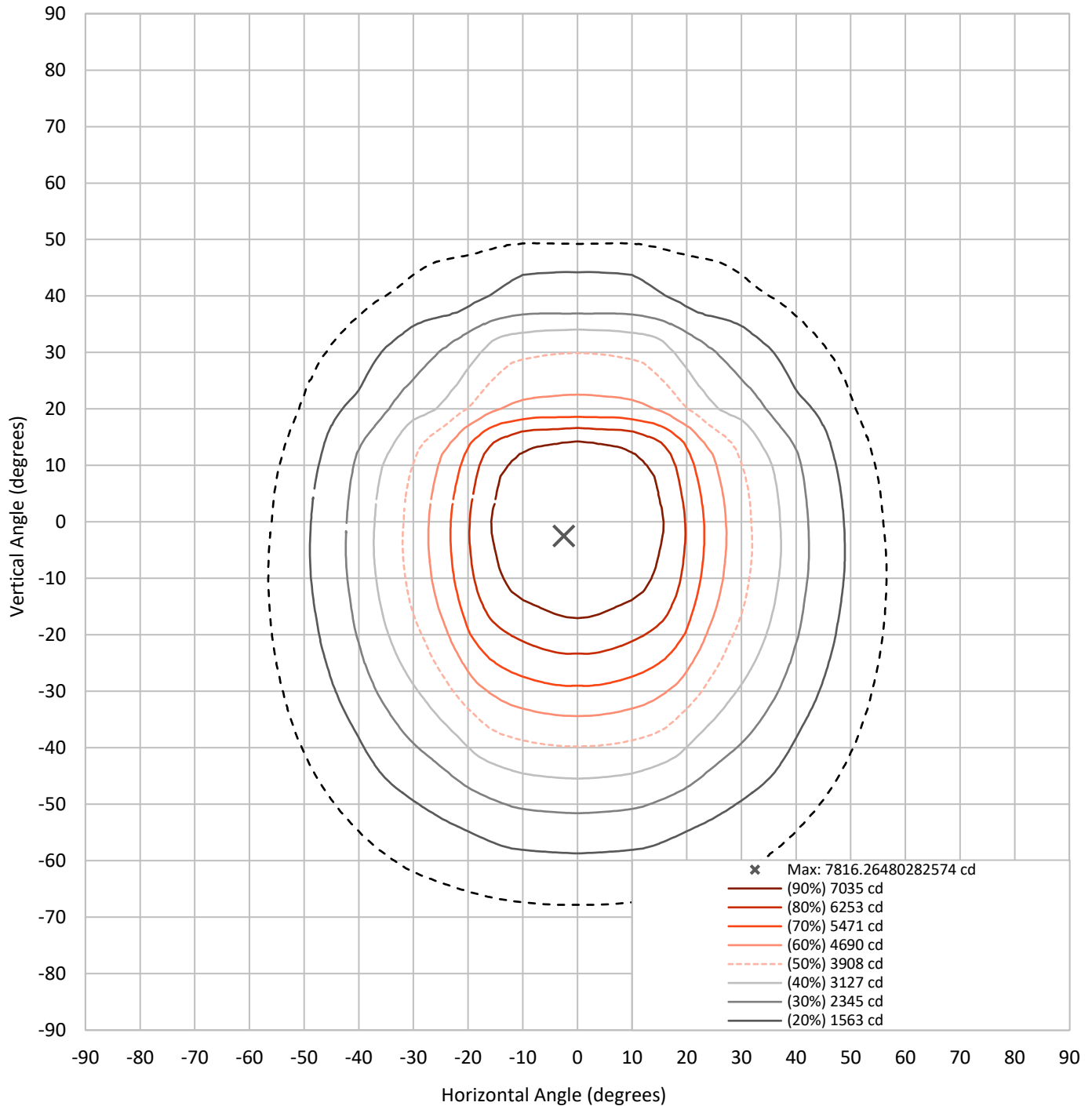
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	10431 lumens	Max Intensity:	7816.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	111.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	63.9°H x 69.6°V	Field Angle (10%):	112.5°H x 117.1°V
Beam Lumens:	6035.1 lumens	Field Lumens:	9898.4 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
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





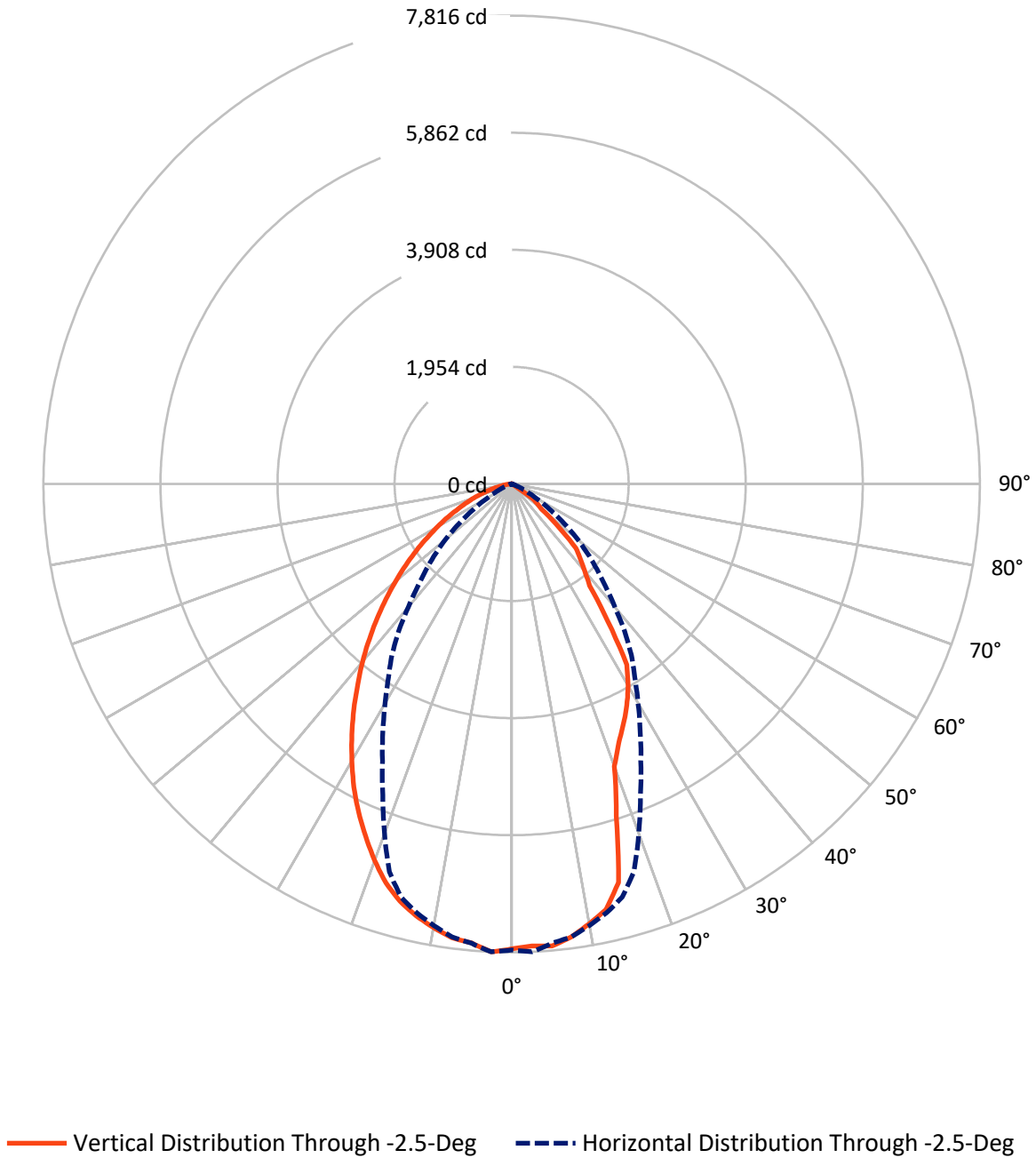
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Lumen Table

90																			
80	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0				
70																			
60	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1				
50		0.1	0.2	1.0	2.8	5.5	8.1	10.1	10.1	8.1	5.5	2.8	1.0	0.2		0.1			
40	0.2	0.2	1.2	5.3	12.9	23.3	34.4	42.1	42.1	34.4	23.3	12.9	5.3	1.2	0.2	0.2			
30		0.5	3.9	13.6	30.2	49.0	73.5	85.9	85.9	73.5	49.0	30.2	13.6	3.9	0.5				
20	0.3	1.2	7.5	24.0	48.7	77.2	115.8	133.2	133.2	115.8	77.2	48.7	24.0	7.5	1.2	0.3			
10		2.0	11.5	35.5	70.2	115.5	171.9	197.2	197.2	171.9	115.5	70.2	35.5	11.5	2.0				
0	0.5	2.7	14.9	42.2	83.9	138.0	203.0	230.4	230.4	203.0	138.0	83.9	42.2	14.9	2.7	0.5			
-10		3.2	16.5	43.8	86.2	141.2	204.5	231.2	231.2	204.5	141.2	86.2	43.8	16.5	3.2				
-20	0.7	3.4	16.1	41.5	81.3	132.2	189.8	214.5	214.5	189.8	132.2	81.3	41.5	16.1	3.4	0.7			
-30		3.0	14.1	36.2	70.2	112.4	159.1	180.2	180.2	159.1	112.4	70.2	36.2	14.1	3.0				
-40	0.7	2.5	11.2	28.4	55.2	86.7	121.5	137.6	137.6	121.5	86.7	55.2	28.4	11.2	2.5	0.7			
-50		2.1	8.3	20.3	39.6	61.0	84.1	95.5	95.5	84.1	61.0	39.6	20.3	8.3	2.1				
-60	0.5	1.5	5.4	13.0	24.6	37.8	51.4	58.6	58.6	51.4	37.8	24.6	13.0	5.4	1.5	0.5			
-70		1.1	3.3	7.6	13.5	20.1	26.6	30.1	30.1	26.6	20.1	13.5	7.6	3.3	1.1				
-80	0.2	2.4	11.2	24.5	27.4	24.5	11.2	2.4	0.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

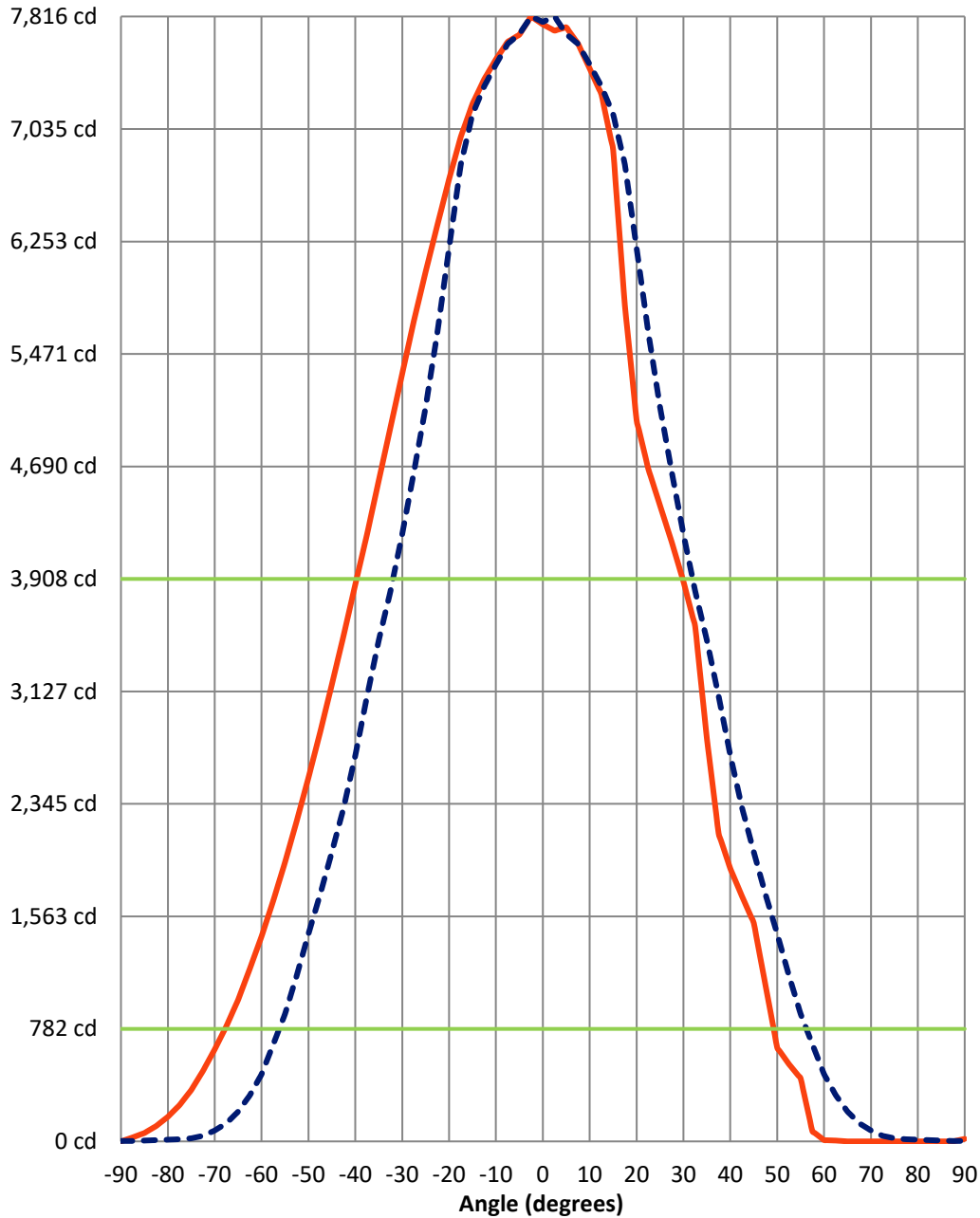
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 6035.1
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 9898.4
 Efficiency: 94.9%

Spill:
 Lumens: 532.6
 Efficiency: 5.1%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through -2.5-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°	2.9	2.9	2.9	3.6	4.4	5.1	5.8	6.6	7.3	8.1	8.8
87.5°	2.9	2.9	2.9	2.8	2.6	2.4	2.2	1.5	1.0	0.5	0.0
85°	2.9	2.9	2.9	2.7	2.4	2.0	1.4	0.9	0.5	0.2	0.0
82.5°	2.9	2.9	2.9	2.6	2.2	1.5	0.7	0.2	0.1	0.4	0.8
80°	2.9	2.9	2.9	2.5	1.9	1.1	0.1	0.6	1.0	1.5	2.0
77.5°	2.9	2.9	2.9	2.5	1.7	1.0	0.9	1.4	2.0	2.6	2.6
75°	2.9	2.9	2.9	2.4	1.6	1.4	1.6	2.3	2.9	2.4	1.5
72.5°	2.9	2.9	2.9	2.3	1.8	1.9	2.3	2.9	2.5	1.7	0.5
70°	2.9	2.9	2.9	2.3	2.1	2.3	2.9	2.7	2.1	1.1	1.3
67.5°	2.9	2.9	2.9	2.4	2.3	2.7	3.0	2.7	1.9	2.2	2.6
65°	2.9	2.9	2.9	2.5	2.5	3.0	3.1	2.6	2.9	3.4	3.6
62.5°	2.9	2.9	2.9	2.6	2.7	3.2	3.3	3.3	3.9	4.4	4.0
60°	2.9	2.9	2.9	2.7	2.9	3.5	3.4	4.2	4.9	5.1	4.6
57.5°	2.9	2.9	2.9	2.7	3.2	3.8	4.1	5.0	5.8	5.9	5.7
55°	2.9	2.9	3.0	2.8	3.5	4.1	4.9	5.9	6.7	6.8	7.1
52.5°	2.9	2.9	3.0	2.9	3.8	4.4	5.6	6.7	7.6	8.0	8.5
50°	2.9	2.9	3.1	2.9	4.1	5.0	6.3	7.6	8.7	9.3	9.9
47.5°	2.9	2.9	3.2	3.0	4.4	5.6	7.0	8.4	9.8	10.5	11.2
45°	2.9	2.9	3.2	3.2	4.8	6.2	7.7	9.2	10.8	11.7	12.6
42.5°	2.9	2.9	3.3	3.5	5.1	6.8	8.4	10.1	11.9	12.9	15.2
40°	2.9	2.9	3.4	3.9	5.5	7.3	9.1	11.1	13.0	14.1	18.2
37.5°	2.9	2.9	3.6	4.2	6.0	7.9	9.7	12.1	14.2	16.1	21.2
35°	2.9	2.9	3.7	4.6	6.4	8.4	10.3	13.2	15.5	19.7	26.9
32.5°	2.9	2.9	3.8	5.0	6.8	8.9	11.0	14.3	16.8	24.0	38.5
30°	2.9	2.9	4.0	5.4	7.2	9.3	11.8	15.4	18.2	28.9	49.7
27.5°	2.9	2.9	4.1	5.7	7.6	9.8	12.7	16.5	20.6	34.4	60.6
25°	2.9	2.9	4.3	6.1	8.1	10.2	13.6	17.6	24.8	42.4	71.2
22.5°	2.9	2.9	4.4	6.4	8.5	10.7	14.4	18.8	29.3	51.2	85.3
20°	2.9	2.9	4.6	6.7	9.0	11.2	15.2	19.9	33.9	59.5	99.2
17.5°	2.9	2.9	4.7	7.0	9.4	11.7	16.1	21.0	38.6	67.4	112.9
15°	2.9	2.9	4.9	7.3	9.8	12.2	16.9	22.5	43.3	74.8	126.3
12.5°	2.9	2.9	5.1	7.6	10.2	12.7	17.6	24.5	48.6	81.6	139.0
10°	2.9	2.9	5.2	7.9	10.5	13.1	18.3	26.7	54.1	89.5	151.8
7.5°	2.9	2.9	5.4	8.1	10.8	13.5	18.9	28.8	59.4	97.2	165.3
5°	2.9	2.9	5.5	8.4	11.1	13.9	19.5	31.0	64.4	104.4	177.7
2.5°	2.9	2.9	5.7	8.6	11.4	14.3	20.0	33.1	68.9	110.9	188.8
0°	2.9	2.9	5.8	8.8	11.7	14.6	20.4	35.0	72.9	116.7	198.4
-2.5°	2.9	2.9	5.8	8.8	11.7	14.6	20.4	35.0	72.9	116.7	198.4
-5°	2.9	2.9	5.8	8.8	12.2	15.2	22.6	41.8	78.2	134.0	214.2
-7.5°	2.9	2.9	5.8	8.7	12.3	15.4	23.5	44.7	80.0	140.6	219.8
-10°	2.9	2.9	5.7	8.7	12.5	15.7	24.3	47.1	81.4	145.4	223.9
-12.5°	2.9	2.9	5.7	8.6	12.6	15.8	24.8	48.8	82.3	147.9	227.1
-15°	2.9	2.9	5.6	8.5	12.6	16.0	25.2	49.9	84.0	147.6	228.2
-17.5°	2.9	2.9	5.5	8.4	12.6	16.1	25.3	51.0	86.5	146.1	226.8
-20°	2.9	2.9	5.4	8.3	12.5	16.2	26.0	52.0	88.2	143.4	222.6

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CATALOG NUMBER: GFLD-SA3B-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	2.9	2.9	5.4	8.1	12.4	16.3	27.6	52.5	88.9	139.6	215.6
-25°	2.9	2.9	5.3	8.0	12.1	17.4	29.0	52.3	88.6	134.7	205.5
-27.5°	2.9	2.9	5.1	7.8	11.8	18.7	30.1	51.5	87.4	130.4	198.1
-30°	2.9	2.9	5.0	7.6	11.6	19.9	30.8	50.1	85.7	128.5	189.8
-32.5°	2.9	2.9	4.9	7.4	12.0	20.9	31.2	50.2	83.6	125.3	180.4
-35°	2.9	2.9	4.7	7.2	12.3	21.6	32.0	50.4	80.7	120.8	170.0
-37.5°	2.9	2.9	4.6	6.9	12.5	22.1	32.9	50.2	77.0	114.9	165.4
-40°	2.9	2.9	4.4	6.7	12.6	22.3	33.4	49.6	72.5	109.3	160.2
-42.5°	2.9	2.9	4.3	6.5	12.7	22.3	33.6	48.4	69.9	104.8	152.2
-45°	2.9	2.9	4.1	6.6	12.7	22.1	33.4	47.4	68.0	99.2	142.3
-47.5°	2.9	2.9	3.9	6.5	12.6	21.8	32.9	46.7	65.6	92.5	134.4
-50°	2.9	2.9	3.7	6.4	12.4	21.3	32.2	45.6	63.6	90.1	125.0
-52.5°	2.9	2.9	3.5	6.3	12.0	20.6	31.3	44.0	62.0	87.0	115.0
-55°	2.9	2.9	3.3	6.1	11.5	19.8	30.2	42.0	59.9	83.0	110.2
-57.5°	2.9	2.9	3.1	5.9	10.8	18.7	28.9	40.2	57.1	78.9	104.5
-60°	2.9	2.9	2.9	5.7	10.1	17.4	27.3	38.2	53.5	73.9	98.0
-62.5°	2.9	2.9	2.9	5.4	9.5	15.9	25.1	35.6	49.1	68.1	90.3
-65°	2.9	2.9	2.9	5.0	8.9	14.3	22.6	32.3	43.7	60.4	81.6
-67.5°	2.9	2.9	2.9	4.6	8.2	12.8	19.9	28.3	37.5	51.5	70.2
-70°	2.9	2.9	2.9	4.2	7.5	11.7	16.9	24.1	32.1	41.5	56.7
-72.5°	2.9	2.9	2.9	4.1	6.7	10.4	14.9	19.7	26.5	34.4	43.4
-75°	2.9	2.9	2.9	4.1	5.8	9.1	13.0	16.6	20.6	27.1	34.5
-77.5°	2.9	2.9	2.9	4.0	5.5	7.7	11.0	14.0	17.1	20.5	25.3
-80°	2.9	2.9	2.9	4.0	5.3	6.9	8.9	11.3	13.8	16.5	19.5
-82.5°	2.9	2.9	2.9	3.9	5.1	6.5	8.1	9.2	10.4	12.5	14.7
-85°	2.9	2.9	2.9	3.8	4.9	6.0	7.3	8.3	9.3	10.3	11.2
-87.5°	2.9	2.9	2.9	3.7	4.6	5.6	6.6	7.4	8.3	9.2	10.0
-90°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.2	1.4	0.7	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°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	9.5	10.3	11.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.9	0.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.9	1.5	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1.6	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.6	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.5	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	1.6	1.8	1.2	0.5	0.0	0.2	0.4	0.3	0.0	0.1	0.4
67.5°	2.7	2.0	1.3	0.8	1.1	1.5	1.4	1.5	1.6	1.7	1.5
65°	2.8	2.1	2.2	2.5	2.8	3.1	3.4	3.6	3.0	2.6	2.7
62.5°	3.0	3.3	3.8	4.2	4.7	5.0	5.1	4.5	3.4	4.3	5.0
60°	4.3	4.7	5.4	5.9	6.5	6.9	6.6	6.6	7.4	8.6	16.4
57.5°	5.8	6.2	7.0	7.9	8.7	8.9	9.1	9.9	23.1	37.8	41.7
55°	7.4	7.7	8.9	10.4	11.2	11.2	16.0	33.7	50.9	70.5	77.8
52.5°	8.9	9.5	11.6	13.4	14.5	22.5	40.5	64.6	90.0	112.5	141.6
50°	10.4	12.5	14.7	17.2	27.4	48.5	74.8	107.7	145.9	181.9	218.8
47.5°	13.0	15.6	18.9	27.1	54.1	83.3	119.8	172.6	219.8	263.3	313.9
45°	16.1	21.6	25.2	53.7	85.1	122.8	184.5	249.1	291.9	350.2	439.7
42.5°	19.2	29.9	48.2	81.2	119.4	180.1	256.7	311.8	368.7	463.2	557.3
40°	27.6	40.0	72.7	112.0	160.4	248.9	327.5	389.9	467.6	572.4	670.6
37.5°	37.9	61.1	97.7	144.8	224.7	321.7	405.9	495.0	584.3	683.1	865.3
35°	49.3	80.7	129.4	192.9	289.0	402.4	502.8	602.3	705.3	899.8	1080.6
32.5°	64.1	98.6	162.5	248.9	358.5	483.0	599.6	714.6	879.8	1099.9	1281.3
30°	80.1	127.6	200.7	300.7	424.0	556.8	697.0	836.2	1054.9	1237.0	1433.9
27.5°	96.8	158.1	245.4	354.8	485.2	626.5	784.6	983.3	1178.3	1358.3	1574.7
25°	113.9	190.0	286.3	406.5	545.5	701.8	883.7	1125.7	1278.2	1477.1	1702.9
22.5°	135.9	220.4	326.7	453.4	601.4	779.1	1011.1	1254.2	1433.7	1601.0	1821.5
20°	161.4	254.7	370.8	512.1	656.2	854.7	1137.9	1393.5	1604.6	1796.2	1998.7
17.5°	185.2	286.7	417.9	572.1	735.9	951.5	1262.2	1545.1	1777.4	1990.9	2243.8
15°	207.2	316.4	464.0	628.9	814.2	1062.5	1373.7	1684.4	1949.7	2189.9	2477.3
12.5°	227.4	343.5	508.5	682.1	887.9	1158.1	1467.4	1770.6	2062.2	2375.2	2701.3
10°	245.5	367.8	550.4	731.1	956.3	1239.0	1544.7	1842.5	2136.7	2467.9	2830.2
7.5°	265.0	390.6	588.6	775.7	1018.5	1305.9	1606.5	1900.2	2196.9	2542.0	2914.0
5°	283.0	411.6	618.8	807.7	1066.6	1358.0	1653.0	1944.0	2242.5	2597.3	2977.5
2.5°	298.8	429.2	643.5	832.7	1102.2	1396.4	1683.2	1980.5	2276.5	2642.2	3025.9
0°	312.2	443.5	662.3	852.0	1129.2	1423.9	1701.0	2004.5	2296.3	2672.7	3057.8
-2.5°	320.8	466.9	675.2	885.5	1152.7	1441.9	1716.9	2011.2	2317.6	2682.3	3093.5
-5°	326.8	485.9	683.0	911.4	1168.1	1449.8	1722.2	2006.1	2323.3	2679.9	3098.8
-7.5°	330.3	499.2	686.7	926.1	1173.5	1445.0	1713.3	1996.2	2314.0	2670.7	3075.7
-10°	332.3	503.4	691.6	921.6	1166.4	1429.4	1693.6	1973.0	2287.5	2640.9	3031.7
-12.5°	337.8	500.8	690.8	911.9	1151.0	1405.7	1664.3	1936.3	2243.4	2590.0	2970.8
-15°	339.2	494.7	682.5	897.4	1127.6	1374.8	1626.0	1886.0	2189.0	2540.4	2903.5
-17.5°	336.2	485.7	666.3	879.0	1096.2	1337.4	1580.9	1840.6	2138.0	2483.2	2832.8
-20°	328.4	473.9	641.9	857.2	1058.9	1295.7	1535.7	1793.1	2079.4	2403.8	2753.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627090 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3B-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	315.6	459.7	615.5	826.9	1026.7	1247.9	1482.7	1728.3	2005.9	2300.9	2647.4
-25°	302.4	443.7	594.7	785.1	988.0	1192.1	1421.9	1649.1	1919.5	2209.2	2516.8
-27.5°	289.8	421.2	573.0	739.4	942.4	1132.5	1353.1	1574.7	1822.5	2106.4	2389.5
-30°	273.4	397.0	546.6	695.4	887.9	1076.3	1276.3	1494.4	1717.2	1986.7	2265.2
-32.5°	259.0	371.9	516.6	661.9	829.3	1013.1	1193.6	1401.5	1618.9	1848.6	2123.9
-35°	249.3	356.9	484.7	623.3	769.5	944.3	1116.0	1296.6	1507.2	1722.8	1964.5
-37.5°	241.5	339.8	451.1	583.0	722.2	872.2	1032.9	1199.1	1382.8	1600.2	1827.4
-40°	229.1	320.5	426.3	544.5	667.4	803.7	952.9	1103.4	1262.7	1475.0	1699.2
-42.5°	213.3	301.9	402.8	502.7	614.9	739.5	872.0	1013.7	1166.8	1351.2	1557.3
-45°	201.2	278.0	376.8	466.2	559.1	673.0	797.6	925.9	1070.3	1228.6	1413.7
-47.5°	185.8	252.1	342.7	426.3	508.2	605.4	719.3	840.7	968.6	1111.3	1263.0
-50°	169.3	230.4	301.1	382.5	460.5	541.3	638.5	750.8	866.8	991.2	1126.6
-52.5°	156.7	205.1	269.6	337.3	411.7	485.1	567.8	664.0	767.7	871.6	990.7
-55°	142.6	186.5	239.6	300.4	363.7	431.6	506.9	591.2	675.7	771.1	866.2
-57.5°	132.6	168.5	214.6	267.4	324.3	382.0	453.0	524.3	602.5	681.5	760.3
-60°	124.8	153.1	191.3	237.7	288.4	342.4	400.7	466.6	533.9	598.4	666.5
-62.5°	115.9	140.5	170.3	208.2	254.0	301.0	352.3	408.8	469.7	524.0	576.8
-65°	104.3	125.7	151.4	182.2	218.1	257.8	301.6	349.2	401.8	445.9	489.0
-67.5°	91.1	109.1	130.6	155.8	185.8	216.7	248.9	289.1	331.9	367.8	403.0
-70°	74.5	91.1	108.7	129.2	152.8	179.0	207.3	236.4	265.7	295.1	327.2
-72.5°	57.0	72.1	87.0	101.7	120.4	141.9	165.0	189.5	215.0	240.1	264.6
-75°	43.5	53.3	66.3	79.5	92.5	106.5	122.1	141.6	165.3	189.7	212.0
-77.5°	32.8	41.0	49.7	58.8	67.0	77.3	88.6	100.7	120.3	142.8	165.5
-80°	23.6	28.6	35.5	42.8	48.6	54.3	60.2	66.3	80.9	99.0	118.3
-82.5°	17.6	20.9	24.8	29.0	31.9	34.7	37.9	42.0	52.8	65.0	77.9
-85°	12.1	13.1	15.2	17.5	19.2	20.8	22.5	24.2	30.0	36.6	43.6
-87.5°	10.5	11.0	11.5	12.1	12.3	12.5	12.7	12.9	14.8	16.9	19.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627090 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	11.7	12.4	13.2	13.9	14.6	15.3	16.1	16.8	17.5	17.5	17.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	1.3	1.5	1.5	1.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0
65°	3.1	2.9	2.2	1.4	0.7	1.1	1.8	2.1	2.1	1.9	1.5
62.5°	4.6	4.2	3.8	4.4	5.3	6.1	5.9	5.6	5.2	4.9	5.1
60°	17.2	11.5	13.3	16.7	15.6	10.7	17.6	19.9	16.9	11.6	11.2
57.5°	43.7	42.2	48.3	70.7	77.8	70.9	84.7	102.8	102.2	88.1	87.6
55°	93.2	125.0	163.5	169.7	196.4	250.1	291.8	273.5	273.4	287.1	331.4
52.5°	177.0	207.1	218.3	248.1	304.0	344.6	370.7	397.6	427.2	457.4	487.9
50°	259.7	288.9	322.0	352.6	430.0	471.6	464.7	520.6	592.1	636.8	659.8
47.5°	381.0	427.0	497.0	606.6	664.4	706.2	758.1	821.4	903.4	1014.6	1100.2
45°	523.8	596.1	704.3	820.9	910.5	951.4	1010.8	1108.8	1239.5	1366.7	1459.7
42.5°	640.4	739.6	861.8	973.2	1046.3	1113.3	1190.2	1272.9	1422.6	1558.5	1665.9
40°	792.7	870.0	1007.0	1112.0	1177.4	1243.9	1365.8	1489.6	1630.4	1757.0	1845.0
37.5°	985.7	1072.6	1215.2	1333.9	1396.9	1420.5	1627.8	1800.1	1914.5	2076.1	2129.0
35°	1193.0	1336.2	1517.8	1671.7	1733.5	1856.8	2070.4	2310.8	2571.3	2667.1	2748.8
32.5°	1424.4	1601.0	1847.4	2012.6	2100.8	2287.9	2558.2	2814.8	3155.4	3340.3	3395.5
30°	1636.0	1838.6	2050.5	2211.0	2361.8	2587.1	2833.6	3150.0	3464.9	3701.3	3774.7
27.5°	1791.3	2015.5	2219.2	2369.5	2539.6	2782.6	3089.9	3410.3	3719.5	3960.6	4046.3
25°	1939.5	2192.9	2354.2	2529.0	2728.7	2993.6	3334.2	3690.2	3994.6	4198.4	4303.5
22.5°	2108.2	2358.0	2531.1	2679.2	2940.3	3245.5	3561.6	3963.9	4286.5	4449.1	4563.0
20°	2282.2	2564.9	2832.3	2970.0	3196.0	3582.3	3936.3	4316.1	4627.6	4797.0	4917.0
17.5°	2525.0	2885.3	3213.3	3408.3	3650.3	4112.3	4553.9	4938.0	5371.3	5524.4	5671.1
15°	2781.1	3198.0	3582.3	3891.3	4203.8	4661.5	5230.0	5693.6	6188.0	6408.9	6658.5
12.5°	3036.3	3430.9	3779.0	4177.6	4618.0	5022.9	5564.2	6141.5	6590.1	6871.8	7039.9
10°	3227.1	3593.6	3928.6	4328.1	4767.7	5225.7	5763.6	6355.3	6825.0	7065.3	7202.5
7.5°	3330.1	3680.9	4034.2	4439.0	4876.7	5364.5	5918.6	6505.7	6986.0	7218.9	7354.3
5°	3406.6	3743.5	4109.3	4535.5	4978.0	5472.6	6026.0	6606.1	7044.0	7291.5	7462.8
2.5°	3452.9	3783.1	4157.2	4597.8	5041.4	5556.6	6136.7	6738.0	7121.2	7320.3	7477.8
0°	3466.3	3798.9	4184.1	4630.5	5085.6	5605.0	6179.8	6775.0	7163.1	7355.7	7516.1
-2.5°	3481.4	3823.9	4219.6	4651.6	5103.0	5620.8	6207.6	6787.6	7136.7	7330.9	7483.6
-5°	3470.9	3825.8	4220.3	4634.1	5088.4	5602.2	6165.4	6707.7	7072.9	7283.0	7434.7
-7.5°	3439.5	3799.4	4189.9	4587.6	5033.2	5552.8	6113.7	6635.9	7005.8	7227.3	7393.4
-10°	3393.8	3743.2	4136.4	4539.2	4979.4	5474.0	6026.3	6545.4	6899.4	7134.6	7328.2
-12.5°	3343.1	3685.4	4064.3	4450.6	4886.0	5374.5	5909.6	6401.0	6753.0	7009.5	7147.8
-15°	3268.1	3610.1	3972.3	4346.1	4770.5	5244.4	5755.5	6226.9	6572.5	6781.3	6934.2
-17.5°	3172.6	3508.2	3851.6	4206.1	4605.9	5072.6	5586.9	6051.8	6333.6	6520.0	6670.2
-20°	3070.3	3380.7	3706.0	4040.5	4428.1	4890.4	5395.4	5801.0	6066.5	6245.7	6387.6



REPORT NUMBER: P627090 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2953.5	3252.4	3550.2	3870.0	4250.0	4673.8	5119.9	5511.8	5797.3	5960.5	6091.7
-25°	2820.2	3110.9	3393.8	3702.6	4051.8	4432.8	4847.6	5232.7	5488.4	5661.8	5791.8
-27.5°	2676.6	2949.7	3226.0	3503.4	3817.4	4197.0	4581.1	4938.8	5157.1	5331.9	5462.6
-30°	2533.3	2778.9	3034.6	3297.1	3591.8	3934.1	4293.4	4594.2	4824.4	4994.2	5115.6
-32.5°	2377.9	2611.1	2837.5	3082.9	3360.4	3662.0	3977.3	4263.5	4509.5	4665.0	4767.3
-35°	2218.9	2444.5	2651.8	2874.5	3119.3	3379.6	3670.7	3952.9	4195.8	4318.9	4418.6
-37.5°	2053.2	2278.2	2474.7	2660.8	2871.6	3112.7	3396.2	3665.5	3875.4	3981.1	4071.0
-40°	1909.1	2107.2	2284.1	2462.1	2633.6	2847.6	3112.2	3372.9	3541.3	3644.3	3727.9
-42.5°	1769.2	1936.3	2081.2	2240.8	2412.4	2623.4	2836.9	3055.5	3190.8	3305.2	3393.1
-45°	1606.3	1755.7	1891.5	2024.3	2180.7	2373.4	2567.3	2742.4	2869.2	2979.7	3065.4
-47.5°	1426.2	1570.4	1702.3	1820.9	1966.4	2127.1	2290.4	2436.1	2561.2	2670.5	2746.9
-50°	1258.3	1387.1	1515.9	1635.9	1762.0	1892.0	2024.4	2152.4	2271.2	2377.3	2442.4
-52.5°	1107.8	1226.7	1339.3	1444.3	1554.5	1664.4	1774.0	1891.2	2000.5	2101.0	2152.9
-55°	971.7	1078.9	1180.5	1269.0	1357.4	1444.6	1538.6	1646.7	1747.4	1840.4	1877.7
-57.5°	849.5	941.2	1031.1	1106.0	1178.2	1247.5	1330.1	1421.3	1509.4	1589.2	1619.7
-60°	737.1	809.9	885.1	951.5	1014.4	1073.9	1145.9	1219.4	1290.8	1350.9	1376.9
-62.5°	633.8	696.0	753.0	806.9	860.2	913.7	971.8	1030.2	1087.9	1134.2	1157.7
-65°	534.1	583.7	629.4	673.8	716.8	761.8	807.3	851.6	894.3	927.4	947.7
-67.5°	440.5	478.2	514.5	549.1	585.1	621.6	657.2	691.1	723.2	748.8	768.2
-70°	357.6	386.8	415.2	443.9	473.9	502.3	529.0	554.4	578.3	596.8	611.7
-72.5°	288.3	311.9	336.5	362.3	386.6	407.8	427.0	445.6	463.3	473.7	481.5
-75°	232.4	252.3	273.7	294.5	314.8	330.9	345.1	358.8	371.9	372.6	370.0
-77.5°	187.7	205.5	222.1	238.5	254.7	264.6	273.2	282.2	291.2	286.0	277.7
-80°	137.8	152.6	166.6	180.8	194.9	200.7	204.8	208.4	211.3	204.5	196.1
-82.5°	91.4	100.8	109.9	119.2	128.6	132.4	135.2	137.5	139.3	133.2	126.1
-85°	51.0	55.5	59.9	64.4	68.9	71.5	73.9	76.1	78.1	74.4	70.3
-87.5°	21.2	22.2	23.2	24.2	25.2	26.1	27.0	27.9	28.8	28.9	29.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627090 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3B-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	16.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.9	0.1	0.0	0.0	0.0	0.1	0.9	1.5	1.9	2.1	2.1
62.5°	5.3	5.5	5.7	5.8	5.7	5.5	5.3	5.1	4.9	5.2	5.6
60°	10.3	9.1	8.8	8.8	8.8	9.1	10.3	11.2	11.6	16.9	19.9
57.5°	80.9	69.2	71.0	78.8	71.0	69.2	80.9	87.6	88.1	102.2	102.8
55°	378.0	422.0	437.5	428.9	437.5	422.0	378.0	331.4	287.1	273.4	273.5
52.5°	512.1	530.2	537.1	536.9	537.1	530.2	512.1	487.9	457.4	427.2	397.6
50°	666.7	660.6	651.2	641.9	651.2	660.6	666.7	659.8	636.8	592.1	520.6
47.5°	1112.7	1093.4	1085.2	1100.0	1085.2	1093.4	1112.7	1100.2	1014.6	903.4	821.4
45°	1478.6	1501.2	1518.1	1517.2	1518.1	1501.2	1478.6	1459.7	1366.7	1239.5	1108.8
42.5°	1687.0	1699.0	1702.5	1698.1	1702.5	1699.0	1687.0	1665.9	1558.5	1422.6	1272.9
40°	1872.7	1887.0	1895.1	1902.4	1895.1	1887.0	1872.7	1845.0	1757.0	1630.4	1489.6
37.5°	2146.4	2151.7	2140.2	2132.9	2140.2	2151.7	2146.4	2129.0	2076.1	1914.5	1800.1
35°	2817.6	2831.3	2799.5	2833.1	2799.5	2831.3	2817.6	2748.8	2667.1	2571.3	2310.8
32.5°	3461.3	3525.7	3577.8	3620.9	3577.8	3525.7	3461.3	3395.5	3340.3	3155.4	2814.8
30°	3825.9	3867.5	3889.8	3895.2	3889.8	3867.5	3825.9	3774.7	3701.3	3464.9	3150.0
27.5°	4093.7	4137.2	4164.3	4184.1	4164.3	4137.2	4093.7	4046.3	3960.6	3719.5	3410.3
25°	4351.6	4391.5	4418.6	4429.1	4418.6	4391.5	4351.6	4303.5	4198.4	3994.6	3690.2
22.5°	4619.4	4647.0	4673.1	4685.9	4673.1	4647.0	4619.4	4563.0	4449.1	4286.5	3963.9
20°	5003.2	4988.1	5011.9	5003.9	5011.9	4988.1	5003.2	4917.0	4797.0	4627.6	4316.1
17.5°	5785.4	5793.5	5809.4	5835.5	5809.4	5793.5	5785.4	5671.1	5524.4	5371.3	4938.0
15°	6769.1	6788.9	6889.5	6979.3	6889.5	6788.9	6769.1	6658.5	6408.9	6188.0	5693.6
12.5°	7195.8	7264.3	7274.9	7300.2	7274.9	7264.3	7195.8	7039.9	6871.8	6590.1	6141.5
10°	7338.2	7456.8	7454.3	7484.0	7454.3	7456.8	7338.2	7202.5	7065.3	6825.0	6355.3
7.5°	7446.2	7573.6	7627.4	7650.3	7627.4	7573.6	7446.2	7354.3	7218.9	6986.0	6505.7
5°	7578.1	7648.2	7741.1	7714.5	7741.1	7648.2	7578.1	7462.8	7291.5	7044.0	6606.1
2.5°	7633.5	7743.1	7717.8	7743.7	7717.8	7743.1	7633.5	7477.8	7320.3	7121.2	6738.0
0°	7670.8	7749.5	7761.2	7787.5	7761.2	7749.5	7670.8	7516.1	7355.7	7163.1	6775.0
-2.5°	7625.5	7694.9	7816.3	7778.7	7816.3	7694.9	7625.5	7483.6	7330.9	7136.7	6787.6
-5°	7585.8	7756.5	7690.2	7772.9	7690.2	7756.5	7585.8	7434.7	7283.0	7072.9	6707.7
-7.5°	7565.4	7595.9	7639.9	7702.9	7639.9	7595.9	7565.4	7393.4	7227.3	7005.8	6635.9
-10°	7407.0	7438.2	7519.0	7562.8	7519.0	7438.2	7407.0	7328.2	7134.6	6899.4	6545.4
-12.5°	7235.3	7295.7	7380.6	7408.2	7380.6	7295.7	7235.3	7147.8	7009.5	6753.0	6401.0
-15°	7037.4	7127.2	7209.9	7227.3	7209.9	7127.2	7037.4	6934.2	6781.3	6572.5	6226.9
-17.5°	6785.8	6893.4	6980.4	6999.7	6980.4	6893.4	6785.8	6670.2	6520.0	6333.6	6051.8
-20°	6508.6	6611.7	6685.6	6707.9	6685.6	6611.7	6508.6	6387.6	6245.7	6066.5	5801.0



REPORT NUMBER: P627090 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6211.8	6304.7	6367.2	6357.8	6367.2	6304.7	6211.8	6091.7	5960.5	5797.3	5511.8
-25°	5896.7	5982.8	6042.4	6033.9	6042.4	5982.8	5896.7	5791.8	5661.8	5488.4	5232.7
-27.5°	5563.6	5645.2	5702.4	5704.2	5702.4	5645.2	5563.6	5462.6	5331.9	5157.1	4938.8
-30°	5213.5	5287.6	5334.1	5316.1	5334.1	5287.6	5213.5	5115.6	4994.2	4824.4	4594.2
-32.5°	4852.5	4919.5	4962.1	4974.8	4962.1	4919.5	4852.5	4767.3	4665.0	4509.5	4263.5
-35°	4496.4	4555.4	4592.2	4601.3	4592.2	4555.4	4496.4	4418.6	4318.9	4195.8	3952.9
-37.5°	4142.5	4193.4	4219.1	4207.4	4219.1	4193.4	4142.5	4071.0	3981.1	3875.4	3665.5
-40°	3792.8	3841.3	3870.7	3877.7	3870.7	3841.3	3792.8	3727.9	3644.3	3541.3	3372.9
-42.5°	3449.0	3489.3	3515.1	3527.6	3515.1	3489.3	3449.0	3393.1	3305.2	3190.8	3055.5
-45°	3115.4	3151.3	3175.6	3189.1	3175.6	3151.3	3115.4	3065.4	2979.7	2869.2	2742.4
-47.5°	2790.8	2822.3	2843.3	2853.6	2843.3	2822.3	2790.8	2746.9	2670.5	2561.2	2436.1
-50°	2480.4	2507.7	2527.2	2538.4	2527.2	2507.7	2480.4	2442.4	2377.3	2271.2	2152.4
-52.5°	2186.0	2209.9	2226.5	2235.0	2226.5	2209.9	2186.0	2152.9	2101.0	2000.5	1891.2
-55°	1904.9	1924.3	1939.6	1949.1	1939.6	1924.3	1904.9	1877.7	1840.4	1747.4	1646.7
-57.5°	1642.8	1658.6	1673.2	1683.5	1673.2	1658.6	1642.8	1619.7	1589.2	1509.4	1421.3
-60°	1397.4	1412.4	1424.7	1432.6	1424.7	1412.4	1397.4	1376.9	1350.9	1290.8	1219.4
-62.5°	1176.0	1189.2	1200.5	1207.9	1200.5	1189.2	1176.0	1157.7	1134.2	1087.9	1030.2
-65°	963.7	975.6	984.0	989.1	984.0	975.6	963.7	947.7	927.4	894.3	851.6
-67.5°	784.8	798.4	801.2	799.5	801.2	798.4	784.8	768.2	748.8	723.2	691.1
-70°	625.1	636.6	639.4	639.0	639.4	636.6	625.1	611.7	596.8	578.3	554.4
-72.5°	488.7	495.0	489.7	481.4	489.7	495.0	488.7	481.5	473.7	463.3	445.6
-75°	366.7	362.7	357.0	350.1	357.0	362.7	366.7	370.0	372.6	371.9	358.8
-77.5°	268.6	258.7	252.2	245.1	252.2	258.7	268.6	277.7	286.0	291.2	282.2
-80°	187.0	177.3	170.6	163.4	170.6	177.3	187.0	196.1	204.5	211.3	208.4
-82.5°	118.5	110.5	106.4	102.1	106.4	110.5	118.5	126.1	133.2	139.3	137.5
-85°	65.8	61.1	58.3	55.4	58.3	61.1	65.8	70.3	74.4	78.1	76.1
-87.5°	29.1	29.2	27.7	26.3	27.7	29.2	29.1	29.0	28.9	28.8	27.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	16.1	15.3	14.6	13.9	13.2	12.4	11.7	11.0	10.3	9.5	8.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.4	0.1	0.0	0.3
67.5°	0.0	0.0	0.5	1.2	1.5	1.5	1.3	1.5	1.7	1.6	1.5
65°	1.8	1.1	0.7	1.4	2.2	2.9	3.1	2.7	2.6	3.0	3.6
62.5°	5.9	6.1	5.3	4.4	3.8	4.2	4.6	5.0	4.3	3.4	4.5
60°	17.6	10.7	15.6	16.7	13.3	11.5	17.2	16.4	8.6	7.4	6.6
57.5°	84.7	70.9	77.8	70.7	48.3	42.2	43.7	41.7	37.8	23.1	9.9
55°	291.8	250.1	196.4	169.7	163.5	125.0	93.2	77.8	70.5	50.9	33.7
52.5°	370.7	344.6	304.0	248.1	218.3	207.1	177.0	141.6	112.5	90.0	64.6
50°	464.7	471.6	430.0	352.6	322.0	288.9	259.7	218.8	181.9	145.9	107.7
47.5°	758.1	706.2	664.4	606.6	497.0	427.0	381.0	313.9	263.3	219.8	172.6
45°	1010.8	951.4	910.5	820.9	704.3	596.1	523.8	439.7	350.2	291.9	249.1
42.5°	1190.2	1113.3	1046.3	973.2	861.8	739.6	640.4	557.3	463.2	368.7	311.8
40°	1365.8	1243.9	1177.4	1112.0	1007.0	870.0	792.7	670.6	572.4	467.6	389.9
37.5°	1627.8	1420.5	1396.9	1333.9	1215.2	1072.6	985.7	865.3	683.1	584.3	495.0
35°	2070.4	1856.8	1733.5	1671.7	1517.8	1336.2	1193.0	1080.6	899.8	705.3	602.3
32.5°	2558.2	2287.9	2100.8	2012.6	1847.4	1601.0	1424.4	1281.3	1099.9	879.8	714.6
30°	2833.6	2587.1	2361.8	2211.0	2050.5	1838.6	1636.0	1433.9	1237.0	1054.9	836.2
27.5°	3089.9	2782.6	2539.6	2369.5	2219.2	2015.5	1791.3	1574.7	1358.3	1178.3	983.3
25°	3334.2	2993.6	2728.7	2529.0	2354.2	2192.9	1939.5	1702.9	1477.1	1278.2	1125.7
22.5°	3561.6	3245.5	2940.3	2679.2	2531.1	2358.0	2108.2	1821.5	1601.0	1433.7	1254.2
20°	3936.3	3582.3	3196.0	2970.0	2832.3	2564.9	2282.2	1998.7	1796.2	1604.6	1393.5
17.5°	4553.9	4112.3	3650.3	3408.3	3213.3	2885.3	2525.0	2243.8	1990.9	1777.4	1545.1
15°	5230.0	4661.5	4203.8	3891.3	3582.3	3198.0	2781.1	2477.3	2189.9	1949.7	1684.4
12.5°	5564.2	5022.9	4618.0	4177.6	3779.0	3430.9	3036.3	2701.3	2375.2	2062.2	1770.6
10°	5763.6	5225.7	4767.7	4328.1	3928.6	3593.6	3227.1	2830.2	2467.9	2136.7	1842.5
7.5°	5918.6	5364.5	4876.7	4439.0	4034.2	3680.9	3330.1	2914.0	2542.0	2196.9	1900.2
5°	6026.0	5472.6	4978.0	4535.5	4109.3	3743.5	3406.6	2977.5	2597.3	2242.5	1944.0
2.5°	6136.7	5556.6	5041.4	4597.8	4157.2	3783.1	3452.9	3025.9	2642.2	2276.5	1980.5
0°	6179.8	5605.0	5085.6	4630.5	4184.1	3798.9	3466.3	3057.8	2672.7	2296.3	2004.5
-2.5°	6207.6	5620.8	5103.0	4651.6	4219.6	3823.9	3481.4	3093.5	2682.3	2317.6	2011.2
-5°	6165.4	5602.2	5088.4	4634.1	4220.3	3825.8	3470.9	3098.8	2679.9	2323.3	2006.1
-7.5°	6113.7	5552.8	5033.2	4587.6	4189.9	3799.4	3439.5	3075.7	2670.7	2314.0	1996.2
-10°	6026.3	5474.0	4979.4	4539.2	4136.4	3743.2	3393.8	3031.7	2640.9	2287.5	1973.0
-12.5°	5909.6	5374.5	4886.0	4450.6	4064.3	3685.4	3343.1	2970.8	2590.0	2243.4	1936.3
-15°	5755.5	5244.4	4770.5	4346.1	3972.3	3610.1	3268.1	2903.5	2540.4	2189.0	1886.0
-17.5°	5586.9	5072.6	4605.9	4206.1	3851.6	3508.2	3172.6	2832.8	2483.2	2138.0	1840.6
-20°	5395.4	4890.4	4428.1	4040.5	3706.0	3380.7	3070.3	2753.7	2403.8	2079.4	1793.1



REPORT NUMBER: P627090 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3B-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5119.9	4673.8	4250.0	3870.0	3550.2	3252.4	2953.5	2647.4	2300.9	2005.9	1728.3
-25°	4847.6	4432.8	4051.8	3702.6	3393.8	3110.9	2820.2	2516.8	2209.2	1919.5	1649.1
-27.5°	4581.1	4197.0	3817.4	3503.4	3226.0	2949.7	2676.6	2389.5	2106.4	1822.5	1574.7
-30°	4293.4	3934.1	3591.8	3297.1	3034.6	2778.9	2533.3	2265.2	1986.7	1717.2	1494.4
-32.5°	3977.3	3662.0	3360.4	3082.9	2837.5	2611.1	2377.9	2123.9	1848.6	1618.9	1401.5
-35°	3670.7	3379.6	3119.3	2874.5	2651.8	2444.5	2218.9	1964.5	1722.8	1507.2	1296.6
-37.5°	3396.2	3112.7	2871.6	2660.8	2474.7	2278.2	2053.2	1827.4	1600.2	1382.8	1199.1
-40°	3112.2	2847.6	2633.6	2462.1	2284.1	2107.2	1909.1	1699.2	1475.0	1262.7	1103.4
-42.5°	2836.9	2623.4	2412.4	2240.8	2081.2	1936.3	1769.2	1557.3	1351.2	1166.8	1013.7
-45°	2567.3	2373.4	2180.7	2024.3	1891.5	1755.7	1606.3	1413.7	1228.6	1070.3	925.9
-47.5°	2290.4	2127.1	1966.4	1820.9	1702.3	1570.4	1426.2	1263.0	1111.3	968.6	840.7
-50°	2024.4	1892.0	1762.0	1635.9	1515.9	1387.1	1258.3	1126.6	991.2	866.8	750.8
-52.5°	1774.0	1664.4	1554.5	1444.3	1339.3	1226.7	1107.8	990.7	871.6	767.7	664.0
-55°	1538.6	1444.6	1357.4	1269.0	1180.5	1078.9	971.7	866.2	771.1	675.7	591.2
-57.5°	1330.1	1247.5	1178.2	1106.0	1031.1	941.2	849.5	760.3	681.5	602.5	524.3
-60°	1145.9	1073.9	1014.4	951.5	885.1	809.9	737.1	666.5	598.4	533.9	466.6
-62.5°	971.8	913.7	860.2	806.9	753.0	696.0	633.8	576.8	524.0	469.7	408.8
-65°	807.3	761.8	716.8	673.8	629.4	583.7	534.1	489.0	445.9	401.8	349.2
-67.5°	657.2	621.6	585.1	549.1	514.5	478.2	440.5	403.0	367.8	331.9	289.1
-70°	529.0	502.3	473.9	443.9	415.2	386.8	357.6	327.2	295.1	265.7	236.4
-72.5°	427.0	407.8	386.6	362.3	336.5	311.9	288.3	264.6	240.1	215.0	189.5
-75°	345.1	330.9	314.8	294.5	273.7	252.3	232.4	212.0	189.7	165.3	141.6
-77.5°	273.2	264.6	254.7	238.5	222.1	205.5	187.7	165.5	142.8	120.3	100.7
-80°	204.8	200.7	194.9	180.8	166.6	152.6	137.8	118.3	99.0	80.9	66.3
-82.5°	135.2	132.4	128.6	119.2	109.9	100.8	91.4	77.9	65.0	52.8	42.0
-85°	73.9	71.5	68.9	64.4	59.9	55.5	51.0	43.6	36.6	30.0	24.2
-87.5°	27.0	26.1	25.2	24.2	23.2	22.2	21.2	19.0	16.9	14.8	12.9
-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: P627090 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.1	7.3	6.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.5	0.9
82.5°	0.0	0.0	0.0	0.0	0.5	0.8	0.9	0.8	0.4	0.1	0.2
80°	0.0	0.0	0.0	0.1	0.7	1.5	1.9	2.0	1.5	1.0	0.6
77.5°	0.0	0.0	0.0	0.0	0.3	0.8	1.6	2.6	2.6	2.0	1.4
75°	0.0	0.0	0.0	0.1	0.2	0.0	0.6	1.5	2.4	2.9	2.3
72.5°	0.0	0.0	0.0	0.4	0.8	0.8	0.5	0.5	1.7	2.5	2.9
70°	0.4	0.2	0.0	0.5	1.2	1.8	1.6	1.3	1.1	2.1	2.7
67.5°	1.4	1.5	1.1	0.8	1.3	2.0	2.7	2.6	2.2	1.9	2.7
65°	3.4	3.1	2.8	2.5	2.2	2.1	2.8	3.6	3.4	2.9	2.6
62.5°	5.1	5.0	4.7	4.2	3.8	3.3	3.0	4.0	4.4	3.9	3.3
60°	6.6	6.9	6.5	5.9	5.4	4.7	4.3	4.6	5.1	4.9	4.2
57.5°	9.1	8.9	8.7	7.9	7.0	6.2	5.8	5.7	5.9	5.8	5.0
55°	16.0	11.2	11.2	10.4	8.9	7.7	7.4	7.1	6.8	6.7	5.9
52.5°	40.5	22.5	14.5	13.4	11.6	9.5	8.9	8.5	8.0	7.6	6.7
50°	74.8	48.5	27.4	17.2	14.7	12.5	10.4	9.9	9.3	8.7	7.6
47.5°	119.8	83.3	54.1	27.1	18.9	15.6	13.0	11.2	10.5	9.8	8.4
45°	184.5	122.8	85.1	53.7	25.2	21.6	16.1	12.6	11.7	10.8	9.2
42.5°	256.7	180.1	119.4	81.2	48.2	29.9	19.2	15.2	12.9	11.9	10.1
40°	327.5	248.9	160.4	112.0	72.7	40.0	27.6	18.2	14.1	13.0	11.1
37.5°	405.9	321.7	224.7	144.8	97.7	61.1	37.9	21.2	16.1	14.2	12.1
35°	502.8	402.4	289.0	192.9	129.4	80.7	49.3	26.9	19.7	15.5	13.2
32.5°	599.6	483.0	358.5	248.9	162.5	98.6	64.1	38.5	24.0	16.8	14.3
30°	697.0	556.8	424.0	300.7	200.7	127.6	80.1	49.7	28.9	18.2	15.4
27.5°	784.6	626.5	485.2	354.8	245.4	158.1	96.8	60.6	34.4	20.6	16.5
25°	883.7	701.8	545.5	406.5	286.3	190.0	113.9	71.2	42.4	24.8	17.6
22.5°	1011.1	779.1	601.4	453.4	326.7	220.4	135.9	85.3	51.2	29.3	18.8
20°	1137.9	854.7	656.2	512.1	370.8	254.7	161.4	99.2	59.5	33.9	19.9
17.5°	1262.2	951.5	735.9	572.1	417.9	286.7	185.2	112.9	67.4	38.6	21.0
15°	1373.7	1062.5	814.2	628.9	464.0	316.4	207.2	126.3	74.8	43.3	22.5
12.5°	1467.4	1158.1	887.9	682.1	508.5	343.5	227.4	139.0	81.6	48.6	24.5
10°	1544.7	1239.0	956.3	731.1	550.4	367.8	245.5	151.8	89.5	54.1	26.7
7.5°	1606.5	1305.9	1018.5	775.7	588.6	390.6	265.0	165.3	97.2	59.4	28.8
5°	1653.0	1358.0	1066.6	807.7	618.8	411.6	283.0	177.7	104.4	64.4	31.0
2.5°	1683.2	1396.4	1102.2	832.7	643.5	429.2	298.8	188.8	110.9	68.9	33.1
0°	1701.0	1423.9	1129.2	852.0	662.3	443.5	312.2	198.4	116.7	72.9	35.0
-2.5°	1716.9	1441.9	1152.7	885.5	675.2	466.9	320.8	207.1	125.9	75.8	38.6
-5°	1722.2	1449.8	1168.1	911.4	683.0	485.9	326.8	214.2	134.0	78.2	41.8
-7.5°	1713.3	1445.0	1173.5	926.1	686.7	499.2	330.3	219.8	140.6	80.0	44.7
-10°	1693.6	1429.4	1166.4	921.6	691.6	503.4	332.3	223.9	145.4	81.4	47.1
-12.5°	1664.3	1405.7	1151.0	911.9	690.8	500.8	337.8	227.1	147.9	82.3	48.8
-15°	1626.0	1374.8	1127.6	897.4	682.5	494.7	339.2	228.2	147.6	84.0	49.9
-17.5°	1580.9	1337.4	1096.2	879.0	666.3	485.7	336.2	226.8	146.1	86.5	51.0
-20°	1535.7	1295.7	1058.9	857.2	641.9	473.9	328.4	222.6	143.4	88.2	52.0

Classified

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

Scaled Data Report



REPORT NUMBER: P627090 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3B-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1482.7	1247.9	1026.7	826.9	615.5	459.7	315.6	215.6	139.6	88.9	52.5
-25°	1421.9	1192.1	988.0	785.1	594.7	443.7	302.4	205.5	134.7	88.6	52.3
-27.5°	1353.1	1132.5	942.4	739.4	573.0	421.2	289.8	198.1	130.4	87.4	51.5
-30°	1276.3	1076.3	887.9	695.4	546.6	397.0	273.4	189.8	128.5	85.7	50.1
-32.5°	1193.6	1013.1	829.3	661.9	516.6	371.9	259.0	180.4	125.3	83.6	50.2
-35°	1116.0	944.3	769.5	623.3	484.7	356.9	249.3	170.0	120.8	80.7	50.4
-37.5°	1032.9	872.2	722.2	583.0	451.1	339.8	241.5	165.4	114.9	77.0	50.2
-40°	952.9	803.7	667.4	544.5	426.3	320.5	229.1	160.2	109.3	72.5	49.6
-42.5°	872.0	739.5	614.9	502.7	402.8	301.9	213.3	152.2	104.8	69.9	48.4
-45°	797.6	673.0	559.1	466.2	376.8	278.0	201.2	142.3	99.2	68.0	47.4
-47.5°	719.3	605.4	508.2	426.3	342.7	252.1	185.8	134.4	92.5	65.6	46.7
-50°	638.5	541.3	460.5	382.5	301.1	230.4	169.3	125.0	90.1	63.6	45.6
-52.5°	567.8	485.1	411.7	337.3	269.6	205.1	156.7	115.0	87.0	62.0	44.0
-55°	506.9	431.6	363.7	300.4	239.6	186.5	142.6	110.2	83.0	59.9	42.0
-57.5°	453.0	382.0	324.3	267.4	214.6	168.5	132.6	104.5	78.9	57.1	40.2
-60°	400.7	342.4	288.4	237.7	191.3	153.1	124.8	98.0	73.9	53.5	38.2
-62.5°	352.3	301.0	254.0	208.2	170.3	140.5	115.9	90.3	68.1	49.1	35.6
-65°	301.6	257.8	218.1	182.2	151.4	125.7	104.3	81.6	60.4	43.7	32.3
-67.5°	248.9	216.7	185.8	155.8	130.6	109.1	91.1	70.2	51.5	37.5	28.3
-70°	207.3	179.0	152.8	129.2	108.7	91.1	74.5	56.7	41.5	32.1	24.1
-72.5°	165.0	141.9	120.4	101.7	87.0	72.1	57.0	43.4	34.4	26.5	19.7
-75°	122.1	106.5	92.5	79.5	66.3	53.3	43.5	34.5	27.1	20.6	16.6
-77.5°	88.6	77.3	67.0	58.8	49.7	41.0	32.8	25.3	20.5	17.1	14.0
-80°	60.2	54.3	48.6	42.8	35.5	28.6	23.6	19.5	16.5	13.8	11.3
-82.5°	37.9	34.7	31.9	29.0	24.8	20.9	17.6	14.7	12.5	10.4	9.2
-85°	22.5	20.8	19.2	17.5	15.2	13.1	12.1	11.2	10.3	9.3	8.3
-87.5°	12.7	12.5	12.3	12.1	11.5	11.0	10.5	10.0	9.2	8.3	7.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.2

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REPORT NUMBER: P627090 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3B-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.8	5.1	4.4	3.6	2.9	2.9	2.9
87.5°	2.2	2.4	2.6	2.8	2.9	2.9	2.9
85°	1.4	2.0	2.4	2.7	2.9	2.9	2.9
82.5°	0.7	1.5	2.2	2.6	2.9	2.9	2.9
80°	0.1	1.1	1.9	2.5	2.9	2.9	2.9
77.5°	0.9	1.0	1.7	2.5	2.9	2.9	2.9
75°	1.6	1.4	1.6	2.4	2.9	2.9	2.9
72.5°	2.3	1.9	1.8	2.3	2.9	2.9	2.9
70°	2.9	2.3	2.1	2.3	2.9	2.9	2.9
67.5°	3.0	2.7	2.3	2.4	2.9	2.9	2.9
65°	3.1	3.0	2.5	2.5	2.9	2.9	2.9
62.5°	3.3	3.2	2.7	2.6	2.9	2.9	2.9
60°	3.4	3.5	2.9	2.7	2.9	2.9	2.9
57.5°	4.1	3.8	3.2	2.7	2.9	2.9	2.9
55°	4.9	4.1	3.5	2.8	3.0	2.9	2.9
52.5°	5.6	4.4	3.8	2.9	3.0	2.9	2.9
50°	6.3	5.0	4.1	2.9	3.1	2.9	2.9
47.5°	7.0	5.6	4.4	3.0	3.2	2.9	2.9
45°	7.7	6.2	4.8	3.2	3.2	2.9	2.9
42.5°	8.4	6.8	5.1	3.5	3.3	2.9	2.9
40°	9.1	7.3	5.5	3.9	3.4	2.9	2.9
37.5°	9.7	7.9	6.0	4.2	3.6	2.9	2.9
35°	10.3	8.4	6.4	4.6	3.7	2.9	2.9
32.5°	11.0	8.9	6.8	5.0	3.8	2.9	2.9
30°	11.8	9.3	7.2	5.4	4.0	2.9	2.9
27.5°	12.7	9.8	7.6	5.7	4.1	2.9	2.9
25°	13.6	10.2	8.1	6.1	4.3	2.9	2.9
22.5°	14.4	10.7	8.5	6.4	4.4	2.9	2.9
20°	15.2	11.2	9.0	6.7	4.6	2.9	2.9
17.5°	16.1	11.7	9.4	7.0	4.7	2.9	2.9
15°	16.9	12.2	9.8	7.3	4.9	2.9	2.9
12.5°	17.6	12.7	10.2	7.6	5.1	2.9	2.9
10°	18.3	13.1	10.5	7.9	5.2	2.9	2.9
7.5°	18.9	13.5	10.8	8.1	5.4	2.9	2.9
5°	19.5	13.9	11.1	8.4	5.5	2.9	2.9
2.5°	20.0	14.3	11.4	8.6	5.7	2.9	2.9
0°	20.4	14.6	11.7	8.8	5.8	2.9	2.9
-2.5°	21.5	14.9	11.9	8.8	5.8	2.9	2.9
-5°	22.6	15.2	12.2	8.8	5.8	2.9	2.9
-7.5°	23.5	15.4	12.3	8.7	5.8	2.9	2.9
-10°	24.3	15.7	12.5	8.7	5.7	2.9	2.9
-12.5°	24.8	15.8	12.6	8.6	5.7	2.9	2.9
-15°	25.2	16.0	12.6	8.5	5.6	2.9	2.9
-17.5°	25.3	16.1	12.6	8.4	5.5	2.9	2.9
-20°	26.0	16.2	12.5	8.3	5.4	2.9	2.9

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REPORT NUMBER: P627090 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3B-730-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	27.6	16.3	12.4	8.1	5.4	2.9	2.9
-25°	29.0	17.4	12.1	8.0	5.3	2.9	2.9
-27.5°	30.1	18.7	11.8	7.8	5.1	2.9	2.9
-30°	30.8	19.9	11.6	7.6	5.0	2.9	2.9
-32.5°	31.2	20.9	12.0	7.4	4.9	2.9	2.9
-35°	32.0	21.6	12.3	7.2	4.7	2.9	2.9
-37.5°	32.9	22.1	12.5	6.9	4.6	2.9	2.9
-40°	33.4	22.3	12.6	6.7	4.4	2.9	2.9
-42.5°	33.6	22.3	12.7	6.5	4.3	2.9	2.9
-45°	33.4	22.1	12.7	6.6	4.1	2.9	2.9
-47.5°	32.9	21.8	12.6	6.5	3.9	2.9	2.9
-50°	32.2	21.3	12.4	6.4	3.7	2.9	2.9
-52.5°	31.3	20.6	12.0	6.3	3.5	2.9	2.9
-55°	30.2	19.8	11.5	6.1	3.3	2.9	2.9
-57.5°	28.9	18.7	10.8	5.9	3.1	2.9	2.9
-60°	27.3	17.4	10.1	5.7	2.9	2.9	2.9
-62.5°	25.1	15.9	9.5	5.4	2.9	2.9	2.9
-65°	22.6	14.3	8.9	5.0	2.9	2.9	2.9
-67.5°	19.9	12.8	8.2	4.6	2.9	2.9	2.9
-70°	16.9	11.7	7.5	4.2	2.9	2.9	2.9
-72.5°	14.9	10.4	6.7	4.1	2.9	2.9	2.9
-75°	13.0	9.1	5.8	4.1	2.9	2.9	2.9
-77.5°	11.0	7.7	5.5	4.0	2.9	2.9	2.9
-80°	8.9	6.9	5.3	4.0	2.9	2.9	2.9
-82.5°	8.1	6.5	5.1	3.9	2.9	2.9	2.9
-85°	7.3	6.0	4.9	3.8	2.9	2.9	2.9
-87.5°	6.6	5.6	4.6	3.7	2.9	2.9	2.9
-90°	2.9	2.9	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)