

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: P627300 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **GFLD-SA3E-750-U-VWR-VSR-XX**

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
 Report Number: P627300 (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-SA3E-750-U-VWR-VSR-XX
 Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N7
 WITH VISOR
 Light Source: (48) 5000K CCT, 70 CRI LEDS
 Ballast/Driver: -

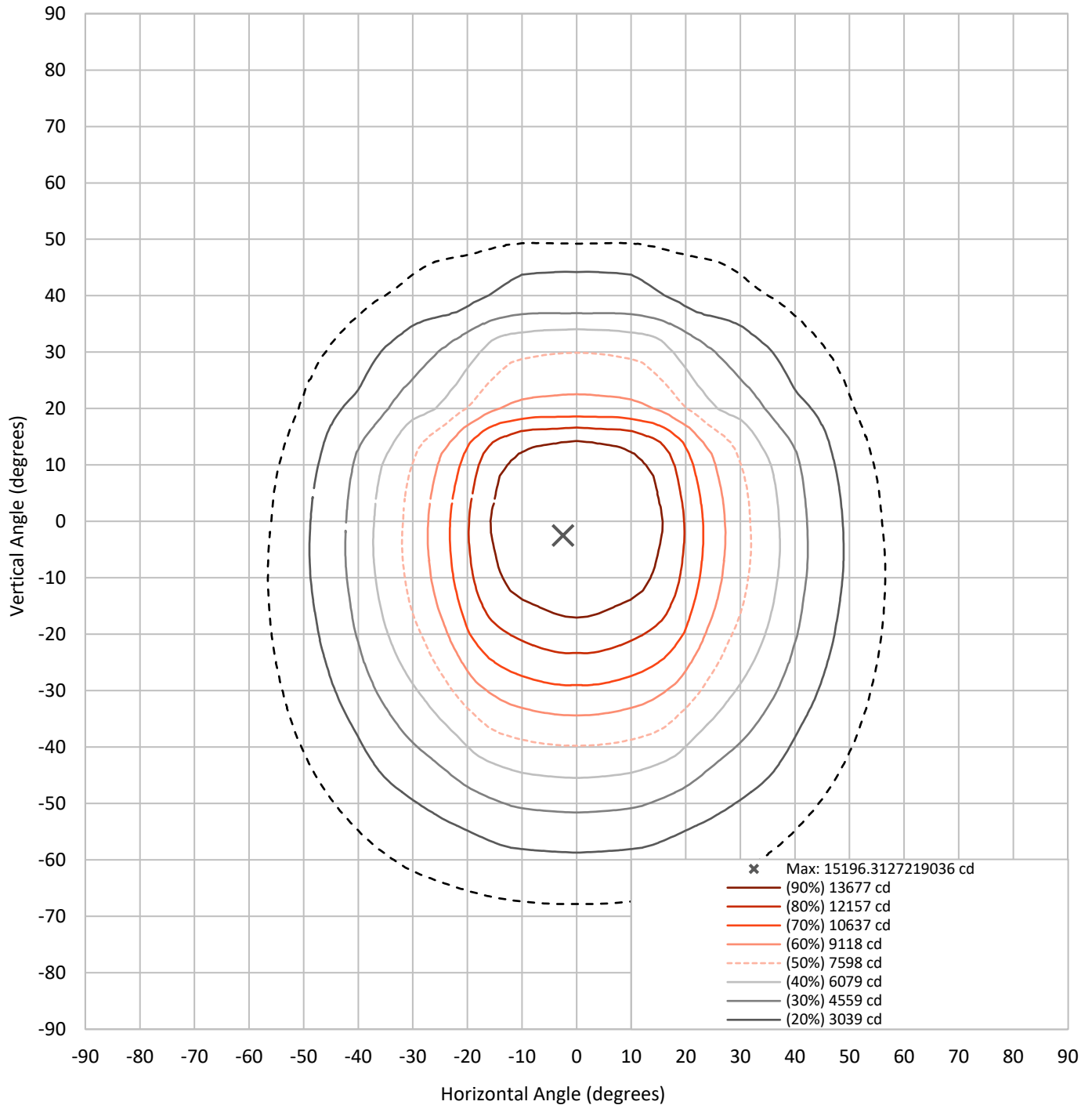
Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	20280 lumens	Max Intensity:	15196.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	109.5 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:	11733.3 lumens	Field Lumens:	19244.4 lumens
Beam Efficiency:	57.9%	Field Efficiency:	94.9%
Input Watts (W):	185.2		
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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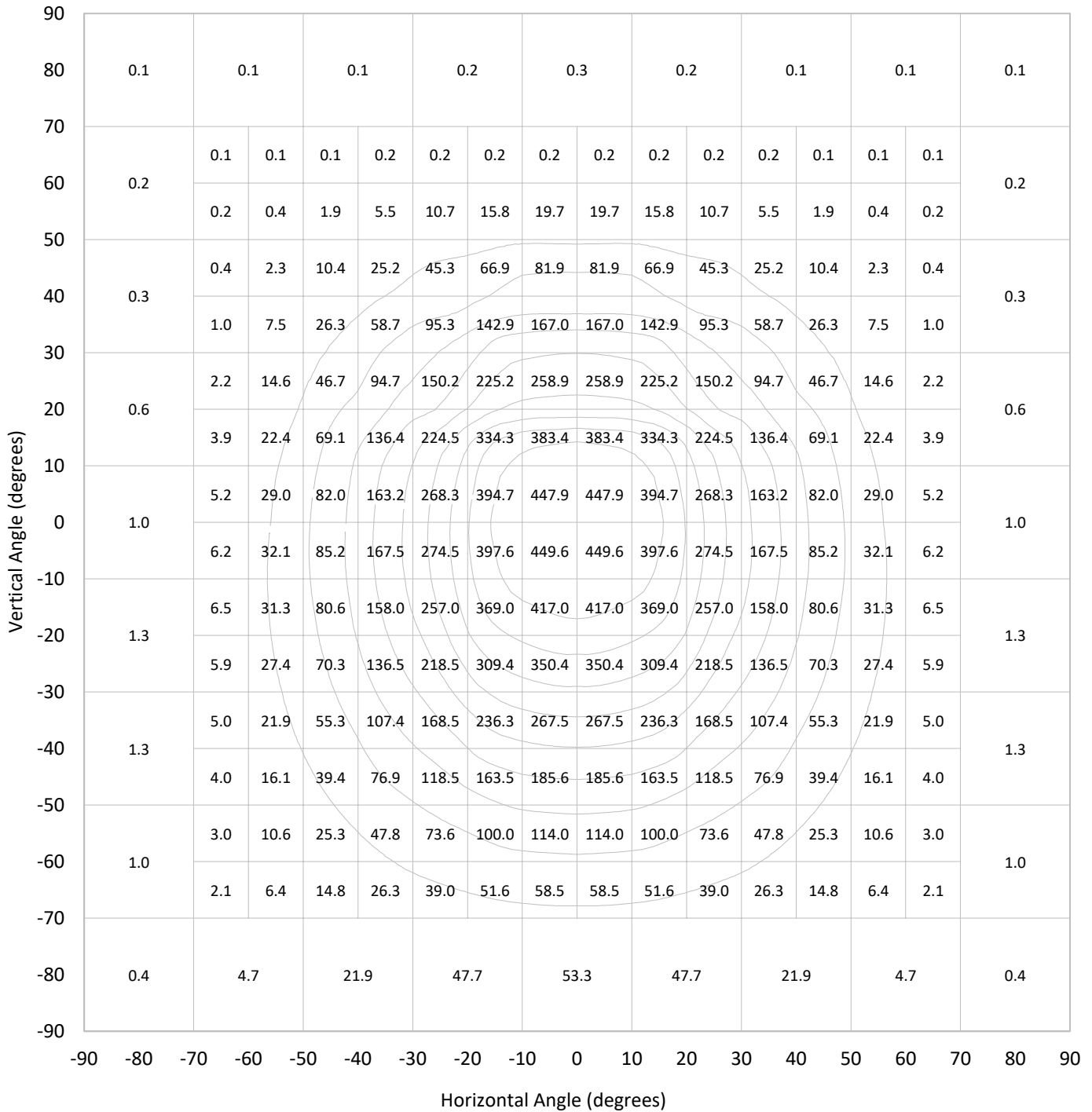
Iso-Candela Plot





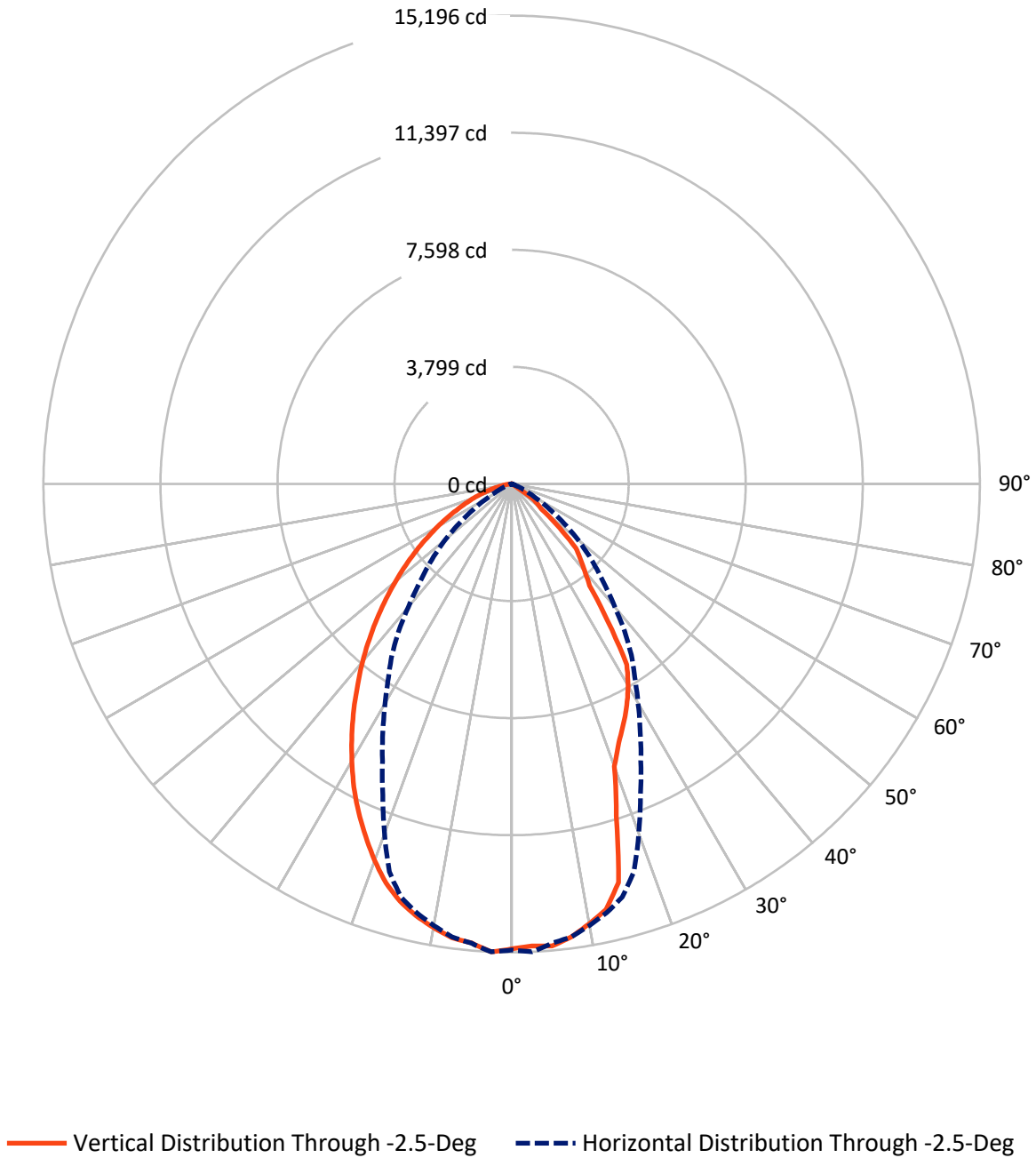
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Lumen Table



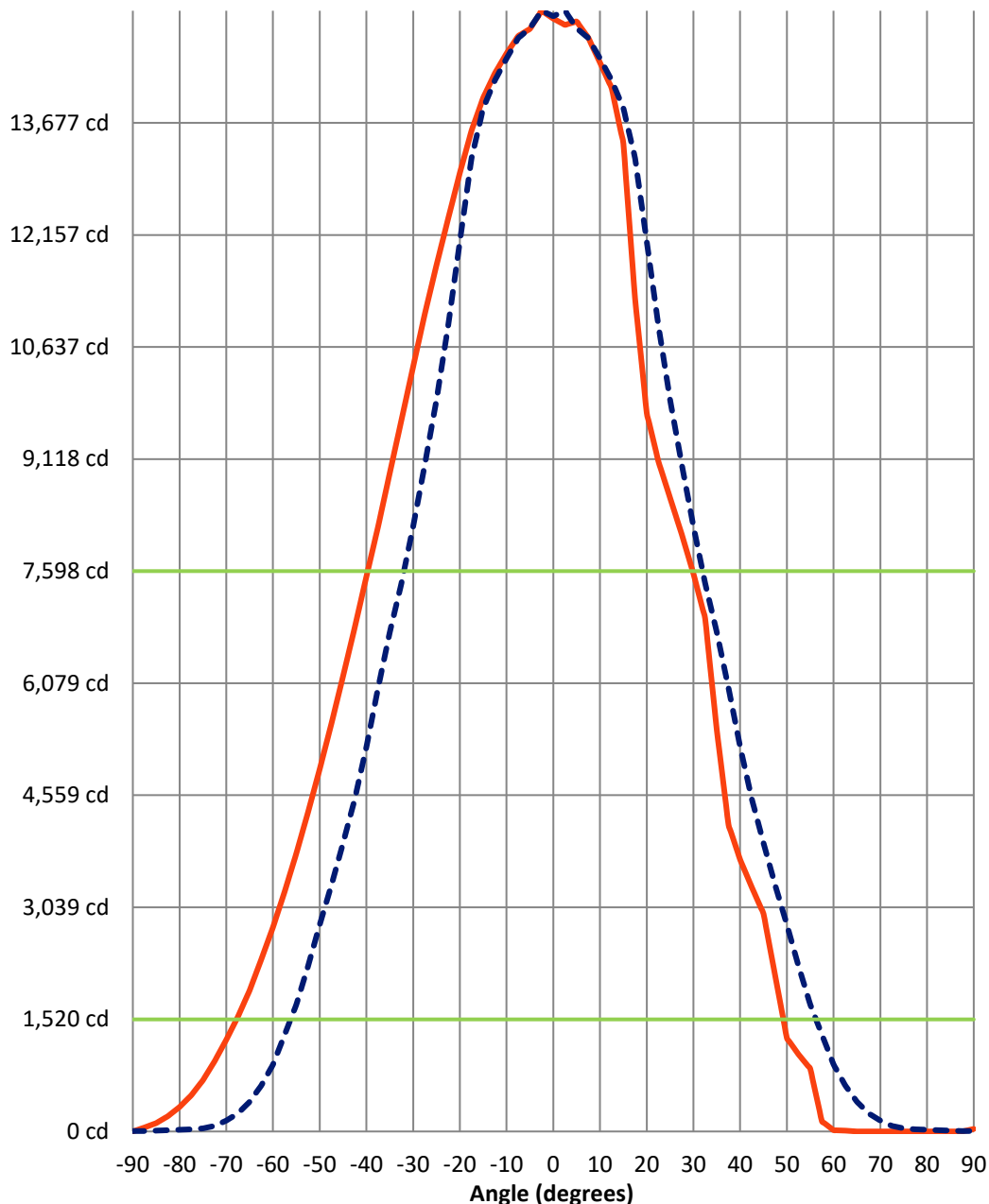
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 63.9°
 V Angle: 69.6°
 Lumens: 11733.3
 Efficiency: 57.9%

Field:
 H Angle: 112.5°
 V Angle: 117.1°
 Lumens: 19244.4
 Efficiency: 94.9%

Spill:
 Lumens: 1035.6
 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°	5.7	5.7	5.7	7.1	8.5	9.9	11.3	12.7	14.2	15.6	17.0
87.5°	5.7	5.7	5.7	5.5	5.2	4.8	4.2	3.0	1.9	0.9	0.0
85°	5.7	5.7	5.7	5.3	4.7	3.9	2.8	1.7	0.9	0.3	0.0
82.5°	5.7	5.7	5.7	5.2	4.2	3.0	1.3	0.4	0.1	0.8	1.5
80°	5.7	5.7	5.7	5.0	3.8	2.1	0.3	1.1	2.1	3.0	3.9
77.5°	5.7	5.7	5.7	4.8	3.4	1.9	1.8	2.8	4.0	5.1	5.2
75°	5.7	5.7	5.7	4.7	3.1	2.8	3.2	4.5	5.6	4.6	3.0
72.5°	5.7	5.7	5.7	4.6	3.6	3.7	4.6	5.6	4.8	3.3	1.0
70°	5.7	5.7	5.7	4.6	4.1	4.5	5.7	5.4	4.2	2.2	2.6
67.5°	5.7	5.7	5.7	4.8	4.5	5.3	5.9	5.2	3.7	4.4	5.1
65°	5.7	5.7	5.7	4.9	5.0	5.9	6.1	5.2	5.7	6.6	7.0
62.5°	5.7	5.7	5.7	5.1	5.3	6.3	6.4	6.4	7.6	8.6	7.8
60°	5.7	5.7	5.7	5.3	5.7	6.8	6.8	8.1	9.6	9.9	8.9
57.5°	5.7	5.7	5.8	5.4	6.2	7.4	8.1	9.8	11.2	11.4	11.1
55°	5.7	5.7	5.8	5.5	6.8	7.9	9.5	11.4	12.9	13.2	13.8
52.5°	5.7	5.7	5.9	5.6	7.4	8.7	10.9	13.1	14.8	15.6	16.4
50°	5.7	5.7	6.1	5.7	8.0	9.8	12.3	14.7	16.8	18.0	19.1
47.5°	5.7	5.7	6.2	5.8	8.7	11.0	13.6	16.3	18.9	20.4	21.8
45°	5.7	5.7	6.4	6.3	9.3	12.1	15.0	17.9	20.9	22.8	24.4
42.5°	5.7	5.7	6.6	6.9	10.0	13.1	16.3	19.6	23.0	25.1	29.7
40°	5.7	5.7	6.8	7.5	10.8	14.2	17.6	21.5	25.3	27.5	35.4
37.5°	5.7	5.7	7.0	8.3	11.6	15.2	18.8	23.5	27.7	31.3	41.2
35°	5.7	5.7	7.2	9.0	12.4	16.2	20.0	25.6	30.2	38.4	52.5
32.5°	5.7	5.7	7.5	9.7	13.2	17.2	21.3	27.7	32.8	46.8	74.9
30°	5.7	5.7	7.7	10.4	13.9	18.1	23.0	29.9	35.5	56.3	96.7
27.5°	5.7	5.7	8.0	11.1	14.8	19.0	24.7	32.1	40.2	66.9	117.8
25°	5.7	5.7	8.3	11.8	15.7	19.8	26.3	34.3	48.4	82.5	138.4
22.5°	5.7	5.7	8.6	12.4	16.5	20.7	28.0	36.5	57.0	99.5	165.7
20°	5.7	5.7	8.9	13.0	17.4	21.7	29.6	38.8	66.0	115.7	192.9
17.5°	5.7	5.7	9.2	13.6	18.2	22.7	31.2	41.0	75.1	131.0	219.5
15°	5.7	5.7	9.6	14.2	18.9	23.7	32.8	43.8	84.3	145.3	245.4
12.5°	5.7	5.7	9.9	14.7	19.7	24.6	34.3	47.8	94.5	158.6	270.3
10°	5.7	5.7	10.2	15.2	20.4	25.4	35.6	51.9	105.3	174.0	295.1
7.5°	5.7	5.7	10.5	15.7	21.0	26.3	36.8	56.1	115.6	189.0	321.3
5°	5.7	5.7	10.8	16.2	21.6	27.0	37.9	60.3	125.2	202.9	345.4
2.5°	5.7	5.7	11.0	16.6	22.2	27.7	38.9	64.3	134.0	215.6	367.0
0°	5.7	5.7	11.3	17.0	22.7	28.4	39.7	68.1	141.8	226.9	385.7
-2.5°	5.7	5.7	11.3	17.0	23.2	29.0	41.9	75.0	147.4	244.8	402.6
-5°	5.7	5.7	11.3	16.9	23.6	29.5	43.9	81.4	152.0	260.5	416.5
-7.5°	5.7	5.7	11.2	16.9	24.0	30.0	45.7	86.9	155.5	273.3	427.3
-10°	5.7	5.7	11.1	16.7	24.2	30.4	47.1	91.5	158.2	282.6	435.3
-12.5°	5.7	5.7	11.0	16.6	24.4	30.8	48.2	94.9	160.0	287.5	441.4
-15°	5.7	5.7	10.9	16.4	24.5	31.1	48.9	97.0	163.3	287.0	443.7
-17.5°	5.7	5.7	10.8	16.2	24.4	31.4	49.2	99.0	168.2	284.1	440.9
-20°	5.7	5.7	10.6	16.0	24.3	31.5	50.4	101.1	171.4	278.9	432.8

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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°	5.7	5.7	10.4	15.7	24.0	31.7	53.7	101.9	172.8	271.4	419.1
-25°	5.7	5.7	10.2	15.4	23.6	33.8	56.4	101.6	172.3	261.8	399.4
-27.5°	5.7	5.7	10.0	15.1	23.0	36.4	58.4	100.1	169.8	253.6	385.1
-30°	5.7	5.7	9.8	14.7	22.4	38.7	59.8	97.3	166.6	249.9	369.0
-32.5°	5.7	5.7	9.5	14.3	23.2	40.6	60.6	97.5	162.6	243.7	350.8
-35°	5.7	5.7	9.3	13.9	23.8	42.1	62.2	98.0	156.9	234.9	330.6
-37.5°	5.7	5.7	9.0	13.5	24.2	43.0	63.9	97.6	149.7	223.4	321.6
-40°	5.7	5.7	8.7	13.0	24.4	43.3	64.9	96.4	140.9	212.5	311.5
-42.5°	5.7	5.7	8.4	12.7	24.6	43.3	65.3	94.1	135.8	203.7	296.0
-45°	5.7	5.7	8.0	12.8	24.7	43.0	65.0	92.1	132.2	192.9	276.6
-47.5°	5.7	5.7	7.7	12.7	24.5	42.3	64.0	90.8	127.4	179.9	261.3
-50°	5.7	5.7	7.3	12.5	24.1	41.4	62.6	88.6	123.7	175.2	243.1
-52.5°	5.7	5.7	6.9	12.3	23.3	40.1	60.9	85.4	120.5	169.0	223.6
-55°	5.7	5.7	6.5	12.0	22.3	38.4	58.7	81.6	116.5	161.4	214.2
-57.5°	5.7	5.7	6.1	11.5	21.1	36.3	56.1	78.1	111.0	153.3	203.2
-60°	5.7	5.7	5.7	11.0	19.6	33.8	53.0	74.3	104.1	143.7	190.5
-62.5°	5.7	5.7	5.7	10.4	18.5	31.0	48.7	69.2	95.4	132.4	175.6
-65°	5.7	5.7	5.7	9.8	17.3	27.7	43.9	62.7	85.0	117.5	158.8
-67.5°	5.7	5.7	5.7	9.0	16.0	24.9	38.6	55.0	72.9	100.0	136.5
-70°	5.7	5.7	5.7	8.2	14.5	22.6	32.9	46.9	62.5	80.7	110.3
-72.5°	5.7	5.7	5.7	8.0	13.0	20.2	29.0	38.3	51.5	66.9	84.4
-75°	5.7	5.7	5.7	8.0	11.3	17.6	25.3	32.3	40.1	52.7	67.1
-77.5°	5.7	5.7	5.7	7.9	10.7	14.9	21.3	27.2	33.3	39.9	49.2
-80°	5.7	5.7	5.7	7.7	10.3	13.4	17.3	21.9	26.8	32.2	37.9
-82.5°	5.7	5.7	5.7	7.6	9.9	12.6	15.6	17.8	20.2	24.3	28.6
-85°	5.7	5.7	5.7	7.5	9.5	11.7	14.2	16.1	18.0	19.9	21.8
-87.5°	5.7	5.7	5.7	7.3	9.0	10.8	12.8	14.4	16.1	17.7	19.4
-90°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	4.3	2.8	1.4	0.0



REPORT NUMBER: P627300 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	18.4	19.9	21.3
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°	1.7	1.5	0.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.8	3.0	1.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	3.2	1.6	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1.2	0.1	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.9	1.6	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	3.2	3.5	2.3	0.9	0.0	0.3	0.8	0.6	0.0	0.3	0.7
67.5°	5.3	3.9	2.6	1.6	2.1	2.9	2.7	2.9	3.1	3.4	2.9
65°	5.6	4.2	4.3	5.0	5.6	6.1	6.6	7.0	5.9	5.1	5.3
62.5°	5.9	6.4	7.4	8.3	9.1	9.8	9.9	8.8	6.7	8.4	9.6
60°	8.4	9.2	10.4	11.6	12.7	13.3	12.7	12.9	14.3	16.6	31.9
57.5°	11.4	12.1	13.5	15.3	16.9	17.2	17.7	19.2	44.9	73.4	81.1
55°	14.3	14.9	17.3	20.1	21.8	21.7	31.1	65.6	99.0	137.1	151.2
52.5°	17.2	18.5	22.6	25.9	28.1	43.8	78.8	125.6	174.9	218.7	275.3
50°	20.2	24.3	28.5	33.5	53.4	94.2	145.5	209.4	283.7	353.7	425.4
47.5°	25.3	30.4	36.9	52.8	105.2	161.9	232.9	335.7	427.4	512.0	610.3
45°	31.2	42.0	49.1	104.5	165.4	238.6	358.8	484.4	567.6	680.9	854.8
42.5°	37.4	58.1	93.7	157.9	232.1	350.1	499.1	606.2	716.8	900.6	1083.4
40°	53.8	77.9	141.4	217.7	311.8	483.9	636.8	758.0	909.1	1112.8	1303.7
37.5°	73.7	118.8	190.0	281.5	436.7	625.4	789.1	962.3	1136.0	1328.0	1682.2
35°	95.9	156.8	251.6	375.1	561.8	782.3	977.5	1171.0	1371.2	1749.4	2100.8
32.5°	124.7	191.8	316.0	483.9	697.0	939.0	1165.7	1389.3	1710.4	2138.4	2491.1
30°	155.7	248.1	390.2	584.6	824.3	1082.6	1355.0	1625.8	2050.8	2405.0	2787.8
27.5°	188.2	307.5	477.1	689.7	943.5	1218.0	1525.5	1911.8	2290.9	2640.8	3061.5
25°	221.5	369.4	556.6	790.4	1060.7	1364.4	1718.1	2188.7	2485.2	2871.9	3310.7
22.5°	264.3	428.6	635.3	881.5	1169.3	1514.8	1965.9	2438.4	2787.4	3112.6	3541.3
20°	313.9	495.2	720.9	995.8	1275.8	1661.7	2212.3	2709.2	3119.7	3492.1	3885.9
17.5°	360.1	557.6	812.5	1112.4	1430.7	1850.0	2454.0	3004.0	3455.7	3870.7	4362.4
15°	402.9	615.2	902.2	1222.8	1583.0	2065.7	2670.8	3274.8	3790.7	4257.6	4816.2
12.5°	442.1	667.9	988.6	1326.1	1726.3	2251.7	2852.8	3442.4	4009.3	4617.8	5251.8
10°	477.3	715.2	1070.3	1421.5	1859.3	2409.0	3003.3	3582.2	4154.1	4798.1	5502.5
7.5°	515.2	759.5	1144.3	1508.2	1980.2	2538.9	3123.4	3694.3	4271.1	4942.3	5665.4
5°	550.2	800.2	1203.2	1570.3	2073.7	2640.3	3213.8	3779.5	4360.0	5049.7	5788.8
2.5°	580.9	834.4	1251.1	1619.0	2143.0	2714.9	3272.6	3850.5	4425.9	5137.0	5883.0
0°	607.0	862.2	1287.7	1656.4	2195.3	2768.3	3307.2	3897.1	4464.4	5196.2	5945.0
-2.5°	623.7	907.7	1312.8	1721.6	2241.0	2803.2	3338.1	3910.2	4505.9	5214.9	6014.5
-5°	635.4	944.6	1328.0	1771.9	2271.0	2818.6	3348.3	3900.1	4516.9	5210.2	6024.8
-7.5°	642.2	970.6	1335.0	1800.5	2281.5	2809.3	3331.0	3880.9	4498.8	5192.4	5979.7
-10°	646.1	978.8	1344.6	1791.9	2267.7	2779.0	3292.7	3835.8	4447.4	5134.3	5894.1
-12.5°	656.8	973.6	1343.0	1772.8	2237.9	2733.0	3235.8	3764.5	4361.6	5035.4	5775.8
-15°	659.5	961.9	1326.9	1744.8	2192.3	2673.0	3161.3	3666.7	4255.9	4939.0	5644.9
-17.5°	653.5	944.3	1295.5	1708.9	2131.2	2600.1	3073.6	3578.5	4156.7	4827.8	5507.6
-20°	638.4	921.4	1248.0	1666.6	2058.8	2519.2	2985.7	3486.1	4042.7	4673.4	5353.8



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	613.5	893.8	1196.7	1607.6	1996.2	2426.2	2882.7	3360.2	3899.8	4473.3	5147.1
-25°	587.8	862.6	1156.2	1526.5	1920.9	2317.7	2764.4	3206.2	3732.0	4295.2	4893.1
-27.5°	563.4	819.0	1114.2	1437.6	1832.2	2201.8	2630.6	3061.5	3543.2	4095.2	4645.7
-30°	531.6	771.8	1062.8	1352.1	1726.3	2092.6	2481.4	2905.5	3338.6	3862.6	4404.1
-32.5°	503.4	722.9	1004.3	1287.0	1612.3	1969.7	2320.6	2724.7	3147.5	3594.1	4129.3
-35°	484.7	693.9	942.3	1211.8	1496.1	1836.0	2169.7	2520.8	2930.3	3349.4	3819.3
-37.5°	469.4	660.6	877.1	1133.4	1404.0	1695.7	2008.2	2331.2	2688.5	3111.1	3552.9
-40°	445.5	623.2	828.8	1058.7	1297.5	1562.7	1852.7	2145.2	2454.9	2867.7	3303.6
-42.5°	414.8	586.9	783.2	977.3	1195.5	1437.6	1695.5	1970.9	2268.5	2627.1	3027.8
-45°	391.2	540.5	732.6	906.5	1087.1	1308.5	1550.6	1800.1	2080.8	2388.7	2748.5
-47.5°	361.2	490.1	666.4	828.9	988.0	1177.0	1398.4	1634.6	1883.2	2160.6	2455.5
-50°	329.1	448.0	585.3	743.6	895.3	1052.4	1241.3	1459.7	1685.3	1927.1	2190.2
-52.5°	304.7	398.8	524.1	655.8	800.5	943.0	1103.8	1291.1	1492.6	1694.6	1926.1
-55°	277.2	362.6	465.9	583.9	707.0	839.0	985.4	1149.4	1313.7	1499.3	1684.0
-57.5°	257.8	327.7	417.2	519.8	630.4	742.5	880.8	1019.4	1171.5	1325.0	1478.3
-60°	242.7	297.6	371.9	462.2	560.8	665.6	779.0	907.1	1038.0	1163.4	1295.8
-62.5°	225.4	273.1	331.2	404.9	493.9	585.1	685.0	794.7	913.2	1018.8	1121.4
-65°	202.9	244.5	294.3	354.2	424.2	501.3	586.4	678.9	781.3	866.9	950.8
-67.5°	177.2	212.2	254.0	302.9	361.2	421.4	483.8	562.1	645.2	715.1	783.4
-70°	144.8	177.2	211.3	251.3	297.0	348.0	402.9	459.7	516.6	573.6	636.1
-72.5°	110.9	140.3	169.3	197.7	234.2	275.9	320.8	368.4	418.0	466.8	514.3
-75°	84.5	103.6	128.9	154.6	179.9	207.1	237.4	275.3	321.4	368.8	412.2
-77.5°	63.8	79.8	96.7	114.4	130.3	150.4	172.3	195.8	233.9	277.6	321.8
-80°	46.0	55.7	69.1	83.3	94.5	105.5	117.0	129.0	157.3	192.5	230.1
-82.5°	34.2	40.7	48.2	56.5	62.1	67.6	73.7	81.6	102.6	126.4	151.5
-85°	23.5	25.5	29.5	34.1	37.3	40.5	43.8	47.1	58.4	71.1	84.8
-87.5°	20.3	21.3	22.4	23.5	23.9	24.3	24.7	25.1	28.9	32.9	37.0
-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: P627300 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	22.7	24.1	25.6	27.0	28.4	29.8	31.2	32.6	34.0	34.0	34.0
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	0.0	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°	0.5	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	2.6	2.9	3.0	2.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	6.0	5.7	4.3	2.8	1.4	2.1	3.4	4.1	4.2	3.7	2.9
62.5°	9.0	8.3	7.5	8.6	10.3	11.9	11.4	10.8	10.1	9.6	9.9
60°	33.5	22.3	25.8	32.4	30.3	20.8	34.2	38.7	33.0	22.6	21.8
57.5°	85.0	82.0	94.0	137.3	151.2	137.7	164.6	199.8	198.7	171.2	170.3
55°	181.1	243.1	317.8	329.9	381.9	486.1	567.2	531.7	531.4	558.2	644.4
52.5°	344.1	402.5	424.3	482.3	591.0	669.9	720.6	773.0	830.5	889.2	948.7
50°	505.0	561.7	626.1	685.6	836.0	917.0	903.4	1012.1	1151.2	1238.1	1282.7
47.5°	740.7	830.1	966.2	1179.5	1291.7	1372.9	1473.8	1596.9	1756.3	1972.4	2138.9
45°	1018.3	1158.9	1369.4	1595.9	1770.2	1849.6	1965.1	2155.7	2409.8	2657.2	2837.9
42.5°	1245.1	1438.0	1675.5	1891.9	2034.1	2164.5	2314.0	2474.8	2765.8	3030.1	3238.9
40°	1541.2	1691.4	1957.9	2161.9	2289.2	2418.5	2655.5	2896.1	3169.8	3415.9	3587.0
37.5°	1916.5	2085.5	2362.7	2593.4	2716.0	2761.7	3164.7	3499.7	3722.1	4036.4	4139.2
35°	2319.6	2597.8	2951.0	3250.2	3370.3	3610.1	4025.3	4492.7	4999.1	5185.3	5344.1
32.5°	2769.3	3112.5	3591.8	3912.9	4084.3	4448.1	4973.6	5472.5	6134.7	6494.1	6601.5
30°	3180.7	3574.6	3986.6	4298.7	4591.7	5029.9	5509.1	6124.2	6736.5	7196.0	7338.7
27.5°	3482.6	3918.5	4314.5	4606.8	4937.5	5409.8	6007.4	6630.3	7231.4	7700.2	7866.7
25°	3770.8	4263.5	4577.1	4916.9	5305.2	5820.0	6482.2	7174.3	7766.3	8162.5	8366.8
22.5°	4098.7	4584.5	4921.1	5208.9	5716.6	6309.8	6924.5	7706.6	8333.8	8649.9	8871.4
20°	4437.0	4986.7	5506.6	5774.4	6213.7	6964.8	7652.9	8391.2	8996.9	9326.4	9559.6
17.5°	4909.2	5609.6	6247.3	6626.4	7096.8	7995.0	8853.6	9600.5	10443.0	10740.6	11025.7
15°	5406.9	6217.7	6964.7	7565.3	8172.9	9062.9	10168.1	11069.4	12030.8	12460.1	12945.5
12.5°	5903.2	6670.3	7347.1	8122.0	8978.4	9765.5	10817.8	11940.1	12812.5	13360.0	13686.8
10°	6274.1	6986.6	7637.9	8414.6	9269.4	10159.8	11205.4	12355.9	13269.1	13736.4	14003.1
7.5°	6474.4	7156.3	7843.2	8630.3	9481.2	10429.6	11507.0	12648.4	13582.2	14034.9	14298.2
5°	6623.0	7278.0	7989.3	8817.9	9678.2	10639.9	11715.7	12843.6	13695.0	14176.1	14509.1
2.5°	6713.0	7355.1	8082.4	8939.1	9801.5	10803.1	11930.9	13100.0	13845.0	14232.0	14538.3
0°	6739.1	7385.8	8134.6	9002.5	9887.5	10897.2	12014.7	13172.0	13926.4	14300.8	14612.8
-2.5°	6768.5	7434.4	8203.7	9043.7	9921.1	10928.0	12068.7	13196.3	13875.0	14252.8	14549.7
-5°	6748.1	7438.1	8205.1	9009.7	9892.8	10891.7	11986.8	13041.1	13751.1	14159.5	14454.7
-7.5°	6687.0	7386.9	8145.9	8919.2	9785.5	10795.7	11886.2	12901.5	13620.7	14051.4	14374.3
-10°	6598.1	7277.6	8041.9	8825.0	9681.0	10642.6	11716.3	12725.5	13413.8	13871.1	14247.5
-12.5°	6499.6	7165.1	7901.7	8652.9	9499.5	10449.2	11489.5	12444.8	13129.1	13627.9	13896.8
-15°	6353.7	7018.7	7723.0	8449.6	9274.7	10196.1	11189.8	12106.4	12778.3	13184.2	13481.4
-17.5°	6168.1	6820.6	7488.3	8177.4	8954.8	9862.2	10862.0	11765.9	12313.7	12676.2	12968.3
-20°	5969.3	6572.6	7205.2	7855.5	8609.0	9507.9	10489.7	11278.2	11794.5	12142.8	12418.6



REPORT NUMBER: P627300 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-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°	5742.2	6323.3	6902.3	7523.9	8262.8	9086.8	9954.1	10716.1	11271.2	11588.4	11843.4
-25°	5483.0	6048.2	6598.1	7198.5	7877.5	8618.3	9424.7	10173.4	10670.6	11007.6	11260.4
-27.5°	5203.9	5734.9	6272.0	6811.1	7421.6	8159.7	8906.5	9602.1	10026.4	10366.1	10620.4
-30°	4925.2	5402.9	5899.8	6410.2	6983.1	7648.6	8347.2	8932.1	9379.7	9709.7	9945.7
-32.5°	4623.2	5076.5	5516.8	5993.8	6533.3	7119.7	7732.8	8289.2	8767.4	9069.7	9268.6
-35°	4313.9	4752.8	5155.8	5588.7	6064.5	6570.7	7136.5	7685.2	8157.5	8396.7	8590.6
-37.5°	3991.8	4429.3	4811.4	5173.1	5583.0	6051.7	6602.9	7126.4	7534.4	7740.0	7914.8
-40°	3711.6	4096.8	4440.7	4786.9	5120.1	5536.4	6050.7	6557.7	6885.0	7085.3	7247.6
-42.5°	3439.7	3764.6	4046.2	4356.5	4690.1	5100.4	5515.4	5940.5	6203.6	6426.0	6596.9
-45°	3123.0	3413.4	3677.5	3935.6	4239.8	4614.4	4991.4	5331.8	5578.3	5793.2	5959.7
-47.5°	2772.7	3053.1	3309.6	3540.3	3823.0	4135.4	4452.9	4736.2	4979.5	5191.9	5340.5
-50°	2446.3	2696.8	2947.2	3180.7	3425.6	3678.4	3935.9	4184.6	4415.5	4621.9	4748.4
-52.5°	2153.8	2384.9	2603.8	2807.9	3022.3	3235.9	3449.1	3676.8	3889.4	4084.7	4185.7
-55°	1889.2	2097.6	2295.1	2467.1	2639.1	2808.5	2991.2	3201.5	3397.2	3578.1	3650.6
-57.5°	1651.6	1830.0	2004.7	2150.2	2290.6	2425.4	2585.9	2763.4	2934.6	3089.7	3149.0
-60°	1433.2	1574.7	1720.8	1849.9	1972.2	2087.8	2227.7	2370.7	2509.6	2626.5	2677.0
-62.5°	1232.2	1353.3	1464.0	1568.8	1672.5	1776.5	1889.5	2002.9	2115.1	2205.1	2250.7
-65°	1038.4	1134.8	1223.8	1310.0	1393.7	1481.1	1569.5	1655.7	1738.8	1803.1	1842.6
-67.5°	856.5	929.8	1000.4	1067.6	1137.6	1208.5	1277.6	1343.6	1406.0	1455.8	1493.6
-70°	695.3	752.0	807.3	862.9	921.4	976.4	1028.5	1077.9	1124.3	1160.2	1189.3
-72.5°	560.4	606.4	654.1	704.3	751.5	792.7	830.1	866.2	900.8	921.0	936.2
-75°	451.8	490.5	532.1	572.6	612.1	643.4	670.8	697.5	723.0	724.4	719.3
-77.5°	365.1	399.7	431.8	463.6	495.1	514.4	531.2	548.5	566.0	555.9	539.9
-80°	268.0	296.8	324.0	351.4	378.8	390.2	398.2	405.1	410.9	397.7	381.3
-82.5°	177.8	196.0	213.7	231.8	250.0	257.3	262.8	267.3	270.8	258.9	245.1
-85°	99.2	108.0	116.5	125.2	133.9	139.0	143.6	147.9	151.8	144.7	136.6
-87.5°	41.3	43.3	45.2	47.1	49.0	50.8	52.5	54.2	55.9	56.2	56.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627300 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3E-750-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°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	32.6
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°	1.7	0.3	0.0	0.0	0.0	0.3	1.7	2.9	3.7	4.2	4.1
62.5°	10.3	10.8	11.2	11.3	11.2	10.8	10.3	9.9	9.6	10.1	10.8
60°	20.0	17.5	16.9	17.0	16.9	17.5	20.0	21.8	22.6	33.0	38.7
57.5°	157.3	134.6	138.0	153.2	138.0	134.6	157.3	170.3	171.2	198.7	199.8
55°	734.9	820.4	850.6	833.9	850.6	820.4	734.9	644.4	558.2	531.4	531.7
52.5°	995.7	1030.7	1044.2	1043.8	1044.2	1030.7	995.7	948.7	889.2	830.5	773.0
50°	1296.2	1284.4	1266.1	1248.0	1266.1	1284.4	1296.2	1282.7	1238.1	1151.2	1012.1
47.5°	2163.3	2125.8	2110.0	2138.6	2110.0	2125.8	2163.3	2138.9	1972.4	1756.3	1596.9
45°	2874.7	2918.7	2951.5	2949.8	2951.5	2918.7	2874.7	2837.9	2657.2	2409.8	2155.7
42.5°	3279.8	3303.2	3310.0	3301.5	3310.0	3303.2	3279.8	3238.9	3030.1	2765.8	2474.8
40°	3640.8	3668.7	3684.4	3698.6	3684.4	3668.7	3640.8	3587.0	3415.9	3169.8	2896.1
37.5°	4173.1	4183.3	4161.0	4146.7	4161.0	4183.3	4173.1	4139.2	4036.4	3722.1	3499.7
35°	5478.0	5504.7	5442.8	5508.2	5442.8	5504.7	5478.0	5344.1	5185.3	4999.1	4492.7
32.5°	6729.4	6854.7	6956.0	7039.8	6956.0	6854.7	6729.4	6601.5	6494.1	6134.7	5472.5
30°	7438.3	7519.1	7562.6	7573.0	7562.6	7519.1	7438.3	7338.7	7196.0	6736.5	6124.2
27.5°	7958.8	8043.5	8096.2	8134.6	8096.2	8043.5	7958.8	7866.7	7700.2	7231.4	6630.3
25°	8460.4	8537.9	8590.6	8611.1	8590.6	8537.9	8460.4	8366.8	8162.5	7766.3	7174.3
22.5°	8981.0	9034.8	9085.4	9110.3	9085.4	9034.8	8981.0	8871.4	8649.9	8333.8	7706.6
20°	9727.2	9697.9	9744.1	9728.6	9744.1	9697.9	9727.2	9559.6	9326.4	8996.9	8391.2
17.5°	11247.9	11263.7	11294.6	11345.4	11294.6	11263.7	11247.9	11025.7	10740.6	10443.0	9600.5
15°	13160.4	13199.0	13394.6	13569.0	13394.6	13199.0	13160.4	12945.5	12460.1	12030.8	11069.4
12.5°	13990.1	14123.2	14143.9	14193.0	14143.9	14123.2	13990.1	13686.8	13360.0	12812.5	11940.1
10°	14266.9	14497.5	14492.5	14550.4	14492.5	14497.5	14266.9	14003.1	13736.4	13269.1	12355.9
7.5°	14476.8	14724.5	14829.2	14873.8	14829.2	14724.5	14476.8	14298.2	14034.9	13582.2	12648.4
5°	14733.4	14869.6	15050.2	14998.6	15050.2	14869.6	14733.4	14509.1	14176.1	13695.0	12843.6
2.5°	14840.9	15054.2	15005.0	15055.3	15005.0	15054.2	14840.9	14538.3	14232.0	13845.0	13100.0
0°	14913.5	15066.6	15089.3	15140.4	15089.3	15066.6	14913.5	14612.8	14300.8	13926.4	13172.0
-2.5°	14825.5	14960.3	15196.3	15123.4	15196.3	14960.3	14825.5	14549.7	14252.8	13875.0	13196.3
-5°	14748.4	15080.2	14951.3	15112.0	14951.3	15080.2	14748.4	14454.7	14159.5	13751.1	13041.1
-7.5°	14708.5	14767.8	14853.4	14975.9	14853.4	14767.8	14708.5	14374.3	14051.4	13620.7	12901.5
-10°	14400.7	14461.4	14618.5	14703.6	14618.5	14461.4	14400.7	14247.5	13871.1	13413.8	12725.5
-12.5°	14066.7	14184.2	14349.3	14402.9	14349.3	14184.2	14066.7	13896.8	13627.9	13129.1	12444.8
-15°	13682.1	13856.6	14017.5	14051.2	14017.5	13856.6	13682.1	13481.4	13184.2	12778.3	12106.4
-17.5°	13192.9	13402.2	13571.2	13608.8	13571.2	13402.2	13192.9	12968.3	12676.2	12313.7	11765.9
-20°	12654.0	12854.4	12998.2	13041.5	12998.2	12854.4	12654.0	12418.6	12142.8	11794.5	11278.2



REPORT NUMBER: P627300 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-750-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°	12077.0	12257.5	12379.0	12360.8	12379.0	12257.5	12077.0	11843.4	11588.4	11271.2	10716.1
-25°	11464.3	11631.8	11747.6	11731.1	11747.6	11631.8	11464.3	11260.4	11007.6	10670.6	10173.4
-27.5°	10816.7	10975.3	11086.5	11090.1	11086.5	10975.3	10816.7	10620.4	10366.1	10026.4	9602.1
-30°	10136.1	10280.1	10370.5	10335.6	10370.5	10280.1	10136.1	9945.7	9709.7	9379.7	8932.1
-32.5°	9434.1	9564.4	9647.2	9671.9	9647.2	9564.4	9434.1	9268.6	9069.7	8767.4	8289.2
-35°	8741.8	8856.7	8928.2	8945.8	8928.2	8856.7	8741.8	8590.6	8396.7	8157.5	7685.2
-37.5°	8053.8	8152.7	8202.7	8180.0	8202.7	8152.7	8053.8	7914.8	7740.0	7534.4	7126.4
-40°	7374.0	7468.2	7525.4	7539.0	7525.4	7468.2	7374.0	7247.6	7085.3	6885.0	6557.7
-42.5°	6705.6	6783.9	6834.1	6858.3	6834.1	6783.9	6705.6	6596.9	6426.0	6203.6	5940.5
-45°	6056.9	6126.9	6174.1	6200.2	6174.1	6126.9	6056.9	5959.7	5793.2	5578.3	5331.8
-47.5°	5425.8	5487.2	5527.9	5547.9	5527.9	5487.2	5425.8	5340.5	5191.9	4979.5	4736.2
-50°	4822.4	4875.5	4913.4	4935.2	4913.4	4875.5	4822.4	4748.4	4621.9	4415.5	4184.6
-52.5°	4250.0	4296.4	4328.8	4345.3	4328.8	4296.4	4250.0	4185.7	4084.7	3889.4	3676.8
-55°	3703.5	3741.1	3771.0	3789.3	3771.0	3741.1	3703.5	3650.6	3578.1	3397.2	3201.5
-57.5°	3193.9	3224.6	3252.9	3273.1	3252.9	3224.6	3193.9	3149.0	3089.7	2934.6	2763.4
-60°	2716.8	2745.9	2770.0	2785.3	2770.0	2745.9	2716.8	2677.0	2626.5	2509.6	2370.7
-62.5°	2286.3	2312.1	2334.1	2348.5	2334.1	2312.1	2286.3	2250.7	2205.1	2115.1	2002.9
-65°	1873.7	1896.7	1913.1	1923.0	1913.1	1896.7	1873.7	1842.6	1803.1	1738.8	1655.7
-67.5°	1525.8	1552.4	1557.6	1554.3	1557.6	1552.4	1525.8	1493.6	1455.8	1406.0	1343.6
-70°	1215.3	1237.8	1243.0	1242.3	1243.0	1237.8	1215.3	1189.3	1160.2	1124.3	1077.9
-72.5°	950.2	962.5	952.0	936.0	952.0	962.5	950.2	936.2	921.0	900.8	866.2
-75°	713.0	705.2	694.2	680.7	694.2	705.2	713.0	719.3	724.4	723.0	697.5
-77.5°	522.2	502.9	490.3	476.5	490.3	502.9	522.2	539.9	555.9	566.0	548.5
-80°	363.6	344.6	331.6	317.7	331.6	344.6	363.6	381.3	397.7	410.9	405.1
-82.5°	230.4	214.8	206.9	198.5	206.9	214.8	230.4	245.1	258.9	270.8	267.3
-85°	127.9	118.7	113.4	107.8	113.4	118.7	127.9	136.6	144.7	151.8	147.9
-87.5°	56.5	56.6	53.9	51.1	53.9	56.6	56.5	56.4	56.2	55.9	54.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627300 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	31.2	29.8	28.4	27.0	25.6	24.1	22.7	21.3	19.9	18.4	17.0
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	0.0	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	0.2	0.1	0.0	0.0	0.5	0.7	0.3	0.0	0.6
67.5°	0.0	0.0	1.0	2.4	3.0	2.9	2.6	2.9	3.4	3.1	2.9
65°	3.4	2.1	1.4	2.8	4.3	5.7	6.0	5.3	5.1	5.9	7.0
62.5°	11.4	11.9	10.3	8.6	7.5	8.3	9.0	9.6	8.4	6.7	8.8
60°	34.2	20.8	30.3	32.4	25.8	22.3	33.5	31.9	16.6	14.3	12.9
57.5°	164.6	137.7	151.2	137.3	94.0	82.0	85.0	81.1	73.4	44.9	19.2
55°	567.2	486.1	381.9	329.9	317.8	243.1	181.1	151.2	137.1	99.0	65.6
52.5°	720.6	669.9	591.0	482.3	424.3	402.5	344.1	275.3	218.7	174.9	125.6
50°	903.4	917.0	836.0	685.6	626.1	561.7	505.0	425.4	353.7	283.7	209.4
47.5°	1473.8	1372.9	1291.7	1179.5	966.2	830.1	740.7	610.3	512.0	427.4	335.7
45°	1965.1	1849.6	1770.2	1595.9	1369.4	1158.9	1018.3	854.8	680.9	567.6	484.4
42.5°	2314.0	2164.5	2034.1	1891.9	1675.5	1438.0	1245.1	1083.4	900.6	716.8	606.2
40°	2655.5	2418.5	2289.2	2161.9	1957.9	1691.4	1541.2	1303.7	1112.8	909.1	758.0
37.5°	3164.7	2761.7	2716.0	2593.4	2362.7	2085.5	1916.5	1682.2	1328.0	1136.0	962.3
35°	4025.3	3610.1	3370.3	3250.2	2951.0	2597.8	2319.6	2100.8	1749.4	1371.2	1171.0
32.5°	4973.6	4448.1	4084.3	3912.9	3591.8	3112.5	2769.3	2491.1	2138.4	1710.4	1389.3
30°	5509.1	5029.9	4591.7	4298.7	3986.6	3574.6	3180.7	2787.8	2405.0	2050.8	1625.8
27.5°	6007.4	5409.8	4937.5	4606.8	4314.5	3918.5	3482.6	3061.5	2640.8	2290.9	1911.8
25°	6482.2	5820.0	5305.2	4916.9	4577.1	4263.5	3770.8	3310.7	2871.9	2485.2	2188.7
22.5°	6924.5	6309.8	5716.6	5208.9	4921.1	4584.5	4098.7	3541.3	3112.6	2787.4	2438.4
20°	7652.9	6964.8	6213.7	5774.4	5506.6	4986.7	4437.0	3885.9	3492.1	3119.7	2709.2
17.5°	8853.6	7995.0	7096.8	6626.4	6247.3	5609.6	4909.2	4362.4	3870.7	3455.7	3004.0
15°	10168.1	9062.9	8172.9	7565.3	6964.7	6217.7	5406.9	4816.2	4257.6	3790.7	3274.8
12.5°	10817.8	9765.5	8978.4	8122.0	7347.1	6670.3	5903.2	5251.8	4617.8	4009.3	3442.4
10°	11205.4	10159.8	9269.4	8414.6	7637.9	6986.6	6274.1	5502.5	4798.1	4154.1	3582.2
7.5°	11507.0	10429.6	9481.2	8630.3	7843.2	7156.3	6474.4	5665.4	4942.3	4271.1	3694.3
5°	11715.7	10639.9	9678.2	8817.9	7989.3	7278.0	6623.0	5788.8	5049.7	4360.0	3779.5
2.5°	11930.9	10803.1	9801.5	8939.1	8082.4	7355.1	6713.0	5883.0	5137.0	4425.9	3850.5
0°	12014.7	10897.2	9887.5	9002.5	8134.6	7385.8	6739.1	5945.0	5196.2	4464.4	3897.1
-2.5°	12068.7	10928.0	9921.1	9043.7	8203.7	7434.4	6768.5	6014.5	5214.9	4505.9	3910.2
-5°	11986.8	10891.7	9892.8	9009.7	8205.1	7438.1	6748.1	6024.8	5210.2	4516.9	3900.1
-7.5°	11886.2	10795.7	9785.5	8919.2	8145.9	7386.9	6687.0	5979.7	5192.4	4498.8	3880.9
-10°	11716.3	10642.6	9681.0	8825.0	8041.9	7277.6	6598.1	5894.1	5134.3	4447.4	3835.8
-12.5°	11489.5	10449.2	9499.5	8652.9	7901.7	7165.1	6499.6	5775.8	5035.4	4361.6	3764.5
-15°	11189.8	10196.1	9274.7	8449.6	7723.0	7018.7	6353.7	5644.9	4939.0	4255.9	3666.7
-17.5°	10862.0	9862.2	8954.8	8177.4	7488.3	6820.6	6168.1	5507.6	4827.8	4156.7	3578.5
-20°	10489.7	9507.9	8609.0	7855.5	7205.2	6572.6	5969.3	5353.8	4673.4	4042.7	3486.1



REPORT NUMBER: P627300 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-750-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°	9954.1	9086.8	8262.8	7523.9	6902.3	6323.3	5742.2	5147.1	4473.3	3899.8	3360.2
-25°	9424.7	8618.3	7877.5	7198.5	6598.1	6048.2	5483.0	4893.1	4295.2	3732.0	3206.2
-27.5°	8906.5	8159.7	7421.6	6811.1	6272.0	5734.9	5203.9	4645.7	4095.2	3543.2	3061.5
-30°	8347.2	7648.6	6983.1	6410.2	5899.8	5402.9	4925.2	4404.1	3862.6	3338.6	2905.5
-32.5°	7732.8	7119.7	6533.3	5993.8	5516.8	5076.5	4623.2	4129.3	3594.1	3147.5	2724.7
-35°	7136.5	6570.7	6064.5	5588.7	5155.8	4752.8	4313.9	3819.3	3349.4	2930.3	2520.8
-37.5°	6602.9	6051.7	5583.0	5173.1	4811.4	4429.3	3991.8	3552.9	3111.1	2688.5	2331.2
-40°	6050.7	5536.4	5120.1	4786.9	4440.7	4096.8	3711.6	3303.6	2867.7	2454.9	2145.2
-42.5°	5515.4	5100.4	4690.1	4356.5	4046.2	3764.6	3439.7	3027.8	2627.1	2268.5	1970.9
-45°	4991.4	4614.4	4239.8	3935.6	3677.5	3413.4	3123.0	2748.5	2388.7	2080.8	1800.1
-47.5°	4452.9	4135.4	3823.0	3540.3	3309.6	3053.1	2772.7	2455.5	2160.6	1883.2	1634.6
-50°	3935.9	3678.4	3425.6	3180.7	2947.2	2696.8	2446.3	2190.2	1927.1	1685.3	1459.7
-52.5°	3449.1	3235.9	3022.3	2807.9	2603.8	2384.9	2153.8	1926.1	1694.6	1492.6	1291.1
-55°	2991.2	2808.5	2639.1	2467.1	2295.1	2097.6	1889.2	1684.0	1499.3	1313.7	1149.4
-57.5°	2585.9	2425.4	2290.6	2150.2	2004.7	1830.0	1651.6	1478.3	1325.0	1171.5	1019.4
-60°	2227.7	2087.8	1972.2	1849.9	1720.8	1574.7	1433.2	1295.8	1163.4	1038.0	907.1
-62.5°	1889.5	1776.5	1672.5	1568.8	1464.0	1353.3	1232.2	1121.4	1018.8	913.2	794.7
-65°	1569.5	1481.1	1393.7	1310.0	1223.8	1134.8	1038.4	950.8	866.9	781.3	678.9
-67.5°	1277.6	1208.5	1137.6	1067.6	1000.4	929.8	856.5	783.4	715.1	645.2	562.1
-70°	1028.5	976.4	921.4	862.9	807.3	752.0	695.3	636.1	573.6	516.6	459.7
-72.5°	830.1	792.7	751.5	704.3	654.1	606.4	560.4	514.3	466.8	418.0	368.4
-75°	670.8	643.4	612.1	572.6	532.1	490.5	451.8	412.2	368.8	321.4	275.3
-77.5°	531.2	514.4	495.1	463.6	431.8	399.7	365.1	321.8	277.6	233.9	195.8
-80°	398.2	390.2	378.8	351.4	324.0	296.8	268.0	230.1	192.5	157.3	129.0
-82.5°	262.8	257.3	250.0	231.8	213.7	196.0	177.8	151.5	126.4	102.6	81.6
-85°	143.6	139.0	133.9	125.2	116.5	108.0	99.2	84.8	71.1	58.4	47.1
-87.5°	52.5	50.8	49.0	47.1	45.2	43.3	41.3	37.0	32.9	28.9	25.1
-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: P627300 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-750-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°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.6	14.2	12.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.9	3.0
85°	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.9	1.7
82.5°	0.0	0.0	0.0	0.1	0.9	1.5	1.7	1.5	0.8	0.1	0.4
80°	0.0	0.0	0.0	0.2	1.4	3.0	3.8	3.9	3.0	2.1	1.1
77.5°	0.0	0.0	0.0	0.1	0.6	1.6	3.2	5.2	5.1	4.0	2.8
75°	0.0	0.0	0.0	0.2	0.4	0.1	1.2	3.0	4.6	5.6	4.5
72.5°	0.0	0.0	0.0	0.7	1.5	1.6	0.9	1.0	3.3	4.8	5.6
70°	0.8	0.3	0.0	0.9	2.3	3.5	3.2	2.6	2.2	4.2	5.4
67.5°	2.7	2.9	2.1	1.6	2.6	3.9	5.3	5.1	4.4	3.7	5.2
65°	6.6	6.1	5.6	5.0	4.3	4.2	5.6	7.0	6.6	5.7	5.2
62.5°	9.9	9.8	9.1	8.3	7.4	6.4	5.9	7.8	8.6	7.6	6.4
60°	12.7	13.3	12.7	11.6	10.4	9.2	8.4	8.9	9.9	9.6	8.1
57.5°	17.7	17.2	16.9	15.3	13.5	12.1	11.4	11.1	11.4	11.2	9.8
55°	31.1	21.7	21.8	20.1	17.3	14.9	14.3	13.8	13.2	12.9	11.4
52.5°	78.8	43.8	28.1	25.9	22.6	18.5	17.2	16.4	15.6	14.8	13.1
50°	145.5	94.2	53.4	33.5	28.5	24.3	20.2	19.1	18.0	16.8	14.7
47.5°	232.9	161.9	105.2	52.8	36.9	30.4	25.3	21.8	20.4	18.9	16.3
45°	358.8	238.6	165.4	104.5	49.1	42.0	31.2	24.4	22.8	20.9	17.9
42.5°	499.1	350.1	232.1	157.9	93.7	58.1	37.4	29.7	25.1	23.0	19.6
40°	636.8	483.9	311.8	217.7	141.4	77.9	53.8	35.4	27.5	25.3	21.5
37.5°	789.1	625.4	436.7	281.5	190.0	118.8	73.7	41.2	31.3	27.7	23.5
35°	977.5	782.3	561.8	375.1	251.6	156.8	95.9	52.5	38.4	30.2	25.6
32.5°	1165.7	939.0	697.0	483.9	316.0	191.8	124.7	74.9	46.8	32.8	27.7
30°	1355.0	1082.6	824.3	584.6	390.2	248.1	155.7	96.7	56.3	35.5	29.9
27.5°	1525.5	1218.0	943.5	689.7	477.1	307.5	188.2	117.8	66.9	40.2	32.1
25°	1718.1	1364.4	1060.7	790.4	556.6	369.4	221.5	138.4	82.5	48.4	34.3
22.5°	1965.9	1514.8	1169.3	881.5	635.3	428.6	264.3	165.7	99.5	57.0	36.5
20°	2212.3	1661.7	1275.8	995.8	720.9	495.2	313.9	192.9	115.7	66.0	38.8
17.5°	2454.0	1850.0	1430.7	1112.4	812.5	557.6	360.1	219.5	131.0	75.1	41.0
15°	2670.8	2065.7	1583.0	1222.8	902.2	615.2	402.9	245.4	145.3	84.3	43.8
12.5°	2852.8	2251.7	1726.3	1326.1	988.6	667.9	442.1	270.3	158.6	94.5	47.8
10°	3003.3	2409.0	1859.3	1421.5	1070.3	715.2	477.3	295.1	174.0	105.3	51.9
7.5°	3123.4	2538.9	1980.2	1508.2	1144.3	759.5	515.2	321.3	189.0	115.6	56.1
5°	3213.8	2640.3	2073.7	1570.3	1203.2	800.2	550.2	345.4	202.9	125.2	60.3
2.5°	3272.6	2714.9	2143.0	1619.0	1251.1	834.4	580.9	367.0	215.6	134.0	64.3
0°	3307.2	2768.3	2195.3	1656.4	1287.7	862.2	607.0	385.7	226.9	141.8	68.1
-2.5°	3338.1	2803.2	2241.0	1721.6	1312.8	907.7	623.7	402.6	244.8	147.4	75.0
-5°	3348.3	2818.6	2271.0	1771.9	1328.0	944.6	635.4	416.5	260.5	152.0	81.4
-7.5°	3331.0	2809.3	2281.5	1800.5	1335.0	970.6	642.2	427.3	273.3	155.5	86.9
-10°	3292.7	2779.0	2267.7	1791.9	1344.6	978.8	646.1	435.3	282.6	158.2	91.5
-12.5°	3235.8	2733.0	2237.9	1772.8	1343.0	973.6	656.8	441.4	287.5	160.0	94.9
-15°	3161.3	2673.0	2192.3	1744.8	1326.9	961.9	659.5	443.7	287.0	163.3	97.0
-17.5°	3073.6	2600.1	2131.2	1708.9	1295.5	944.3	653.5	440.9	284.1	168.2	99.0
-20°	2985.7	2519.2	2058.8	1666.6	1248.0	921.4	638.4	432.8	278.9	171.4	101.1

Classified

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

Scaled Data Report



REPORT NUMBER: P627300 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-750-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°	2882.7	2426.2	1996.2	1607.6	1196.7	893.8	613.5	419.1	271.4	172.8	101.9
-25°	2764.4	2317.7	1920.9	1526.5	1156.2	862.6	587.8	399.4	261.8	172.3	101.6
-27.5°	2630.6	2201.8	1832.2	1437.6	1114.2	819.0	563.4	385.1	253.6	169.8	100.1
-30°	2481.4	2092.6	1726.3	1352.1	1062.8	771.8	531.6	369.0	249.9	166.6	97.3
-32.5°	2320.6	1969.7	1612.3	1287.0	1004.3	722.9	503.4	350.8	243.7	162.6	97.5
-35°	2169.7	1836.0	1496.1	1211.8	942.3	693.9	484.7	330.6	234.9	156.9	98.0
-37.5°	2008.2	1695.7	1404.0	1133.4	877.1	660.6	469.4	321.6	223.4	149.7	97.6
-40°	1852.7	1562.7	1297.5	1058.7	828.8	623.2	445.5	311.5	212.5	140.9	96.4
-42.5°	1695.5	1437.6	1195.5	977.3	783.2	586.9	414.8	296.0	203.7	135.8	94.1
-45°	1550.6	1308.5	1087.1	906.5	732.6	540.5	391.2	276.6	192.9	132.2	92.1
-47.5°	1398.4	1177.0	988.0	828.9	666.4	490.1	361.2	261.3	179.9	127.4	90.8
-50°	1241.3	1052.4	895.3	743.6	585.3	448.0	329.1	243.1	175.2	123.7	88.6
-52.5°	1103.8	943.0	800.5	655.8	524.1	398.8	304.7	223.6	169.0	120.5	85.4
-55°	985.4	839.0	707.0	583.9	465.9	362.6	277.2	214.2	161.4	116.5	81.6
-57.5°	880.8	742.5	630.4	519.8	417.2	327.7	257.8	203.2	153.3	111.0	78.1
-60°	779.0	665.6	560.8	462.2	371.9	297.6	242.7	190.5	143.7	104.1	74.3
-62.5°	685.0	585.1	493.9	404.9	331.2	273.1	225.4	175.6	132.4	95.4	69.2
-65°	586.4	501.3	424.2	354.2	294.3	244.5	202.9	158.8	117.5	85.0	62.7
-67.5°	483.8	421.4	361.2	302.9	254.0	212.2	177.2	136.5	100.0	72.9	55.0
-70°	402.9	348.0	297.0	251.3	211.3	177.2	144.8	110.3	80.7	62.5	46.9
-72.5°	320.8	275.9	234.2	197.7	169.3	140.3	110.9	84.4	66.9	51.5	38.3
-75°	237.4	207.1	179.9	154.6	128.9	103.6	84.5	67.1	52.7	40.1	32.3
-77.5°	172.3	150.4	130.3	114.4	96.7	79.8	63.8	49.2	39.9	33.3	27.2
-80°	117.0	105.5	94.5	83.3	69.1	55.7	46.0	37.9	32.2	26.8	21.9
-82.5°	73.7	67.6	62.1	56.5	48.2	40.7	34.2	28.6	24.3	20.2	17.8
-85°	43.8	40.5	37.3	34.1	29.5	25.5	23.5	21.8	19.9	18.0	16.1
-87.5°	24.7	24.3	23.9	23.5	22.4	21.3	20.3	19.4	17.7	16.1	14.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8	4.3

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REPORT NUMBER: P627300 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	11.3	9.9	8.5	7.1	5.7	5.7	5.7
87.5°	4.2	4.8	5.2	5.5	5.7	5.7	5.7
85°	2.8	3.9	4.7	5.3	5.7	5.7	5.7
82.5°	1.3	3.0	4.2	5.2	5.7	5.7	5.7
80°	0.3	2.1	3.8	5.0	5.7	5.7	5.7
77.5°	1.8	1.9	3.4	4.8	5.7	5.7	5.7
75°	3.2	2.8	3.1	4.7	5.7	5.7	5.7
72.5°	4.6	3.7	3.6	4.6	5.7	5.7	5.7
70°	5.7	4.5	4.1	4.6	5.7	5.7	5.7
67.5°	5.9	5.3	4.5	4.8	5.7	5.7	5.7
65°	6.1	5.9	5.0	4.9	5.7	5.7	5.7
62.5°	6.4	6.3	5.3	5.1	5.7	5.7	5.7
60°	6.8	6.8	5.7	5.3	5.7	5.7	5.7
57.5°	8.1	7.4	6.2	5.4	5.8	5.7	5.7
55°	9.5	7.9	6.8	5.5	5.8	5.7	5.7
52.5°	10.9	8.7	7.4	5.6	5.9	5.7	5.7
50°	12.3	9.8	8.0	5.7	6.1	5.7	5.7
47.5°	13.6	11.0	8.7	5.8	6.2	5.7	5.7
45°	15.0	12.1	9.3	6.3	6.4	5.7	5.7
42.5°	16.3	13.1	10.0	6.9	6.6	5.7	5.7
40°	17.6	14.2	10.8	7.5	6.8	5.7	5.7
37.5°	18.8	15.2	11.6	8.3	7.0	5.7	5.7
35°	20.0	16.2	12.4	9.0	7.2	5.7	5.7
32.5°	21.3	17.2	13.2	9.7	7.5	5.7	5.7
30°	23.0	18.1	13.9	10.4	7.7	5.7	5.7
27.5°	24.7	19.0	14.8	11.1	8.0	5.7	5.7
25°	26.3	19.8	15.7	11.8	8.3	5.7	5.7
22.5°	28.0	20.7	16.5	12.4	8.6	5.7	5.7
20°	29.6	21.7	17.4	13.0	8.9	5.7	5.7
17.5°	31.2	22.7	18.2	13.6	9.2	5.7	5.7
15°	32.8	23.7	18.9	14.2	9.6	5.7	5.7
12.5°	34.3	24.6	19.7	14.7	9.9	5.7	5.7
10°	35.6	25.4	20.4	15.2	10.2	5.7	5.7
7.5°	36.8	26.3	21.0	15.7	10.5	5.7	5.7
5°	37.9	27.0	21.6	16.2	10.8	5.7	5.7
2.5°	38.9	27.7	22.2	16.6	11.0	5.7	5.7
0°	39.7	28.4	22.7	17.0	11.3	5.7	5.7
-2.5°	41.9	29.0	23.2	17.0	11.3	5.7	5.7
-5°	43.9	29.5	23.6	16.9	11.3	5.7	5.7
-7.5°	45.7	30.0	24.0	16.9	11.2	5.7	5.7
-10°	47.1	30.4	24.2	16.7	11.1	5.7	5.7
-12.5°	48.2	30.8	24.4	16.6	11.0	5.7	5.7
-15°	48.9	31.1	24.5	16.4	10.9	5.7	5.7
-17.5°	49.2	31.4	24.4	16.2	10.8	5.7	5.7
-20°	50.4	31.5	24.3	16.0	10.6	5.7	5.7

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CATALOG NUMBER: GFLD-SA3E-750-U-VWR-VSR-XX

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	53.7	31.7	24.0	15.7	10.4	5.7	5.7
-25°	56.4	33.8	23.6	15.4	10.2	5.7	5.7
-27.5°	58.4	36.4	23.0	15.1	10.0	5.7	5.7
-30°	59.8	38.7	22.4	14.7	9.8	5.7	5.7
-32.5°	60.6	40.6	23.2	14.3	9.5	5.7	5.7
-35°	62.2	42.1	23.8	13.9	9.3	5.7	5.7
-37.5°	63.9	43.0	24.2	13.5	9.0	5.7	5.7
-40°	64.9	43.3	24.4	13.0	8.7	5.7	5.7
-42.5°	65.3	43.3	24.6	12.7	8.4	5.7	5.7
-45°	65.0	43.0	24.7	12.8	8.0	5.7	5.7
-47.5°	64.0	42.3	24.5	12.7	7.7	5.7	5.7
-50°	62.6	41.4	24.1	12.5	7.3	5.7	5.7
-52.5°	60.9	40.1	23.3	12.3	6.9	5.7	5.7
-55°	58.7	38.4	22.3	12.0	6.5	5.7	5.7
-57.5°	56.1	36.3	21.1	11.5	6.1	5.7	5.7
-60°	53.0	33.8	19.6	11.0	5.7	5.7	5.7
-62.5°	48.7	31.0	18.5	10.4	5.7	5.7	5.7
-65°	43.9	27.7	17.3	9.8	5.7	5.7	5.7
-67.5°	38.6	24.9	16.0	9.0	5.7	5.7	5.7
-70°	32.9	22.6	14.5	8.2	5.7	5.7	5.7
-72.5°	29.0	20.2	13.0	8.0	5.7	5.7	5.7
-75°	25.3	17.6	11.3	8.0	5.7	5.7	5.7
-77.5°	21.3	14.9	10.7	7.9	5.7	5.7	5.7
-80°	17.3	13.4	10.3	7.7	5.7	5.7	5.7
-82.5°	15.6	12.6	9.9	7.6	5.7	5.7	5.7
-85°	14.2	11.7	9.5	7.5	5.7	5.7	5.7
-87.5°	12.8	10.8	9.0	7.3	5.7	5.7	5.7
-90°	5.7	5.7	5.7	5.7	5.7	5.7	5.7

(END OF REPORT)