

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: P627091 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 12/7/2022

Test Information

Test Method: LM-79-08
Report Number: P627091 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-17)
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-XX
Description: GALLEON FLOOD, THREE LIGHT SQAURE, VERY WIDE SYMMETRICAL ROUND N69
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

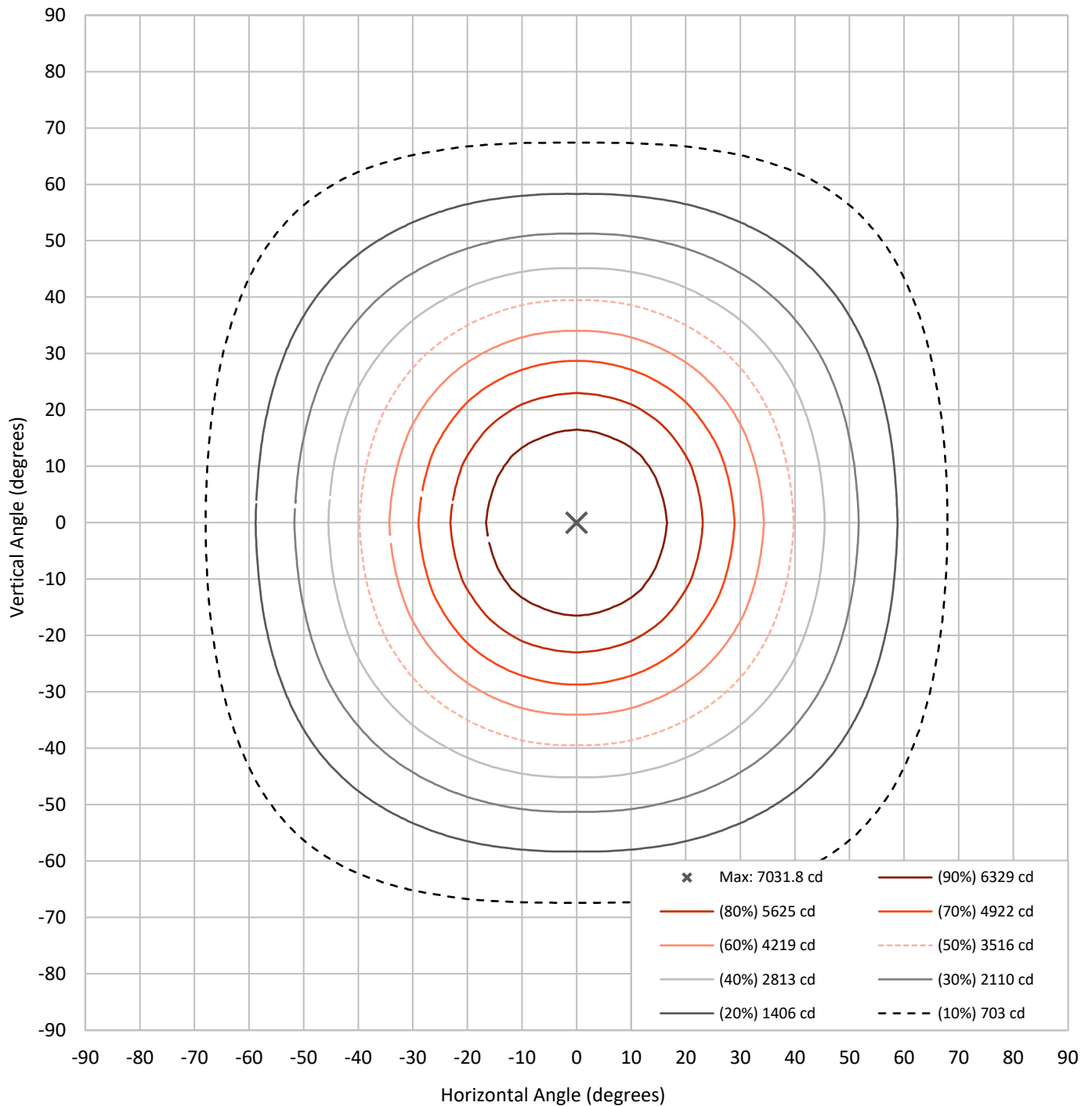
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	12709.4 lumens	Max Intensity:	7031.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	135.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 0.5' x H: 0')		
Beam Angle (50%):	79.6°H x 78.9°V	Field Angle (10%):	135.9°H x 134.8°V
Beam Lumens:	7454.1 lumens	Field Lumens:	12116.3 lumens
Beam Efficiency:	58.7%	Field Efficiency:	95.3%
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





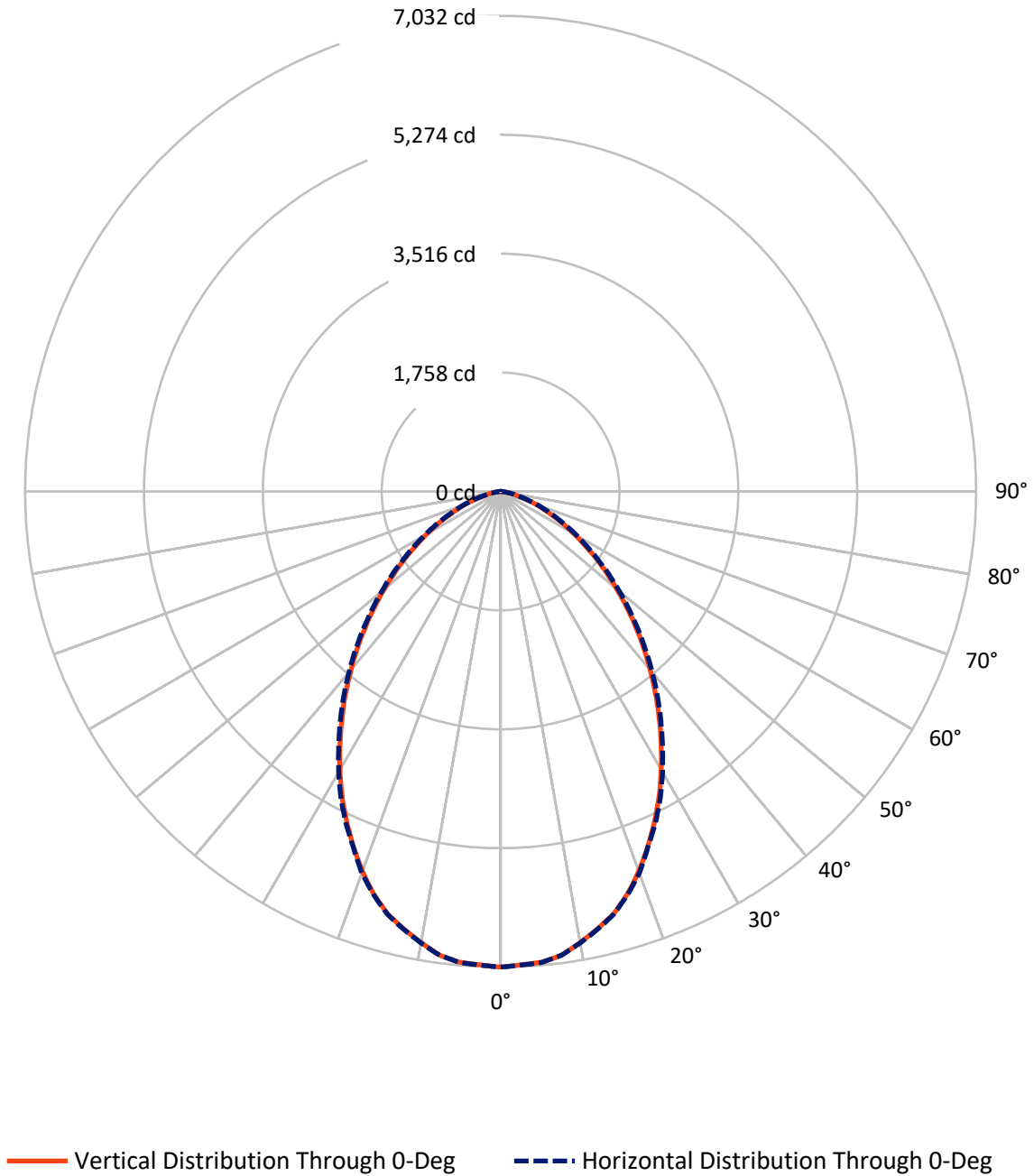
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Lumen Table

90																			
80	0.4	5.2	14.2	24.1	22.7	24.1	14.2	5.2	0.4										
70																			
60	2.4	3.3	6.6	11.2	16.4	21.2	24.8	26.5	26.5	24.8	21.2	16.4	11.2	6.6	3.3	2.4			
50		4.9	10.7	19.1	28.9	39.2	47.8	52.2	52.2	47.8	39.2	28.9	19.1	10.7	4.9				
40	4.1	6.6	15.5	28.5	45.2	62.7	77.3	85.3	85.3	77.3	62.7	45.2	28.5	15.5	6.6	4.1			
30		8.3	20.5	39.3	63.3	88.7	110.5	122.8	122.8	110.5	88.7	63.3	39.3	20.5	8.3				
20	5.3	9.9	25.2	49.4	80.6	114.4	143.9	160.8	160.8	143.9	114.4	80.6	49.4	25.2	9.9	5.3			
10		11.2	28.8	57.0	94.1	135.2	171.4	192.0	192.0	171.4	135.2	94.1	57.0	28.8	11.2				
0	5.8	11.9	30.8	61.3	101.6	146.7	186.3	208.0	208.0	186.3	146.7	101.6	61.3	30.8	11.9	5.8			
-10		11.9	30.8	61.3	101.6	146.7	186.3	208.0	208.0	186.3	146.7	101.6	61.3	30.8	11.9				
-20	5.3	11.2	28.8	57.0	94.1	135.2	171.4	192.0	192.0	171.4	135.2	94.1	57.0	28.8	11.2	5.3			
-30		9.9	25.2	49.4	80.6	114.4	143.9	160.8	160.8	143.9	114.4	80.6	49.4	25.2	9.9				
-40	4.1	8.3	20.5	39.3	63.3	88.7	110.5	122.8	122.8	110.5	88.7	63.3	39.3	20.5	8.3	4.1			
-50		6.6	15.5	28.5	45.2	62.7	77.3	85.3	85.3	77.3	62.7	45.2	28.5	15.5	6.6				
-60	2.4	4.9	10.7	19.1	28.9	39.2	47.8	52.2	52.2	47.8	39.2	28.9	19.1	10.7	4.9	2.4			
-70		3.3	6.6	11.2	16.4	21.2	24.8	26.5	26.5	24.8	21.2	16.4	11.2	6.6	3.3				
-80	0.4	5.2	14.2	24.1	22.7	24.1	14.2	5.2	0.4										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

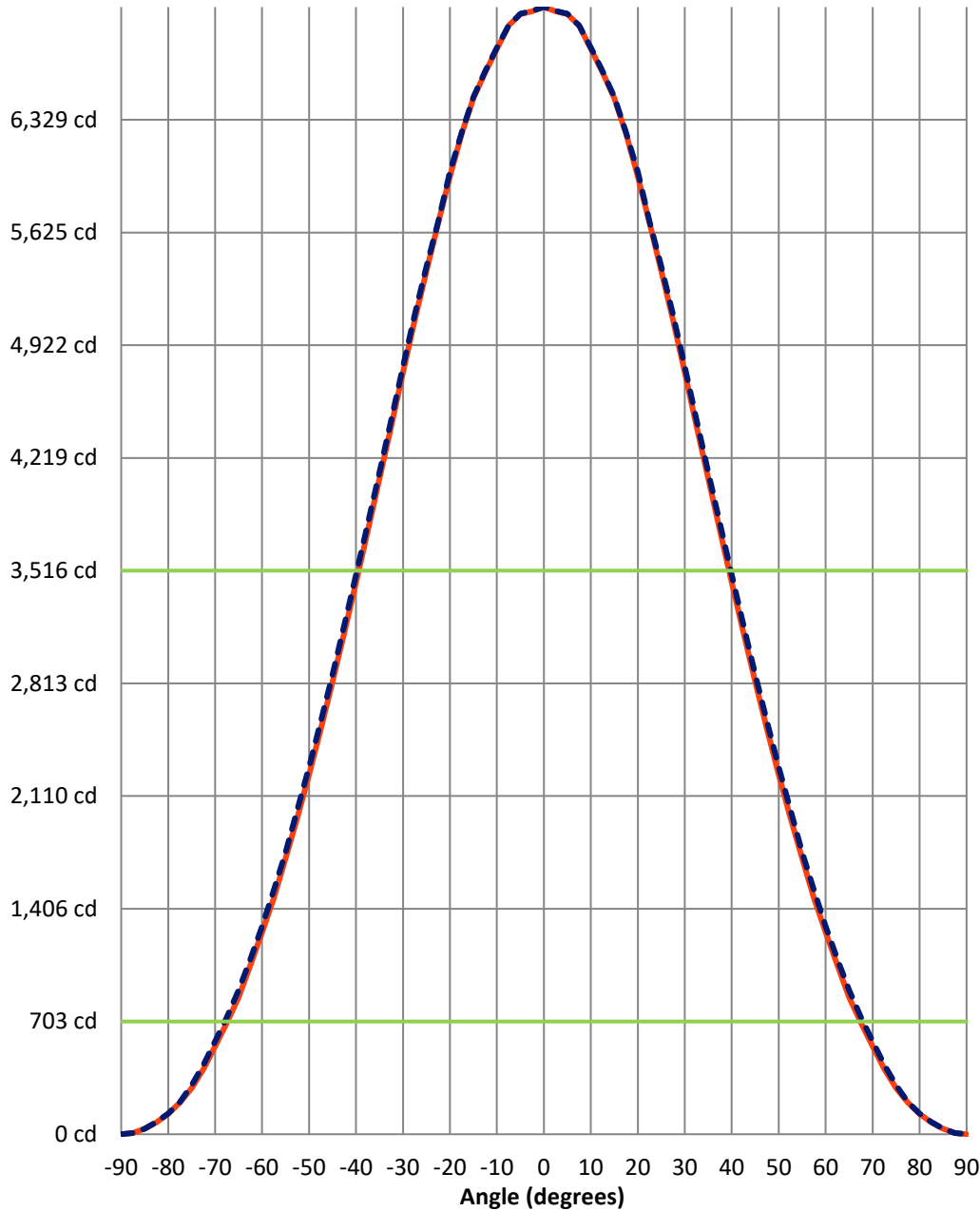
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 79.6°
 V Angle: 78.9°
 Lumens: 7454.1
 Efficiency: 58.7%

Field:
 H Angle: 135.9°
 V Angle: 134.8°
 Lumens: 12116.3
 Efficiency: 95.3%

Spill:
 Lumens: 593.1
 Efficiency: 4.7%

- Vertical Distribution through 0-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	0.4	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.0	4.4
85°	0.0	0.8	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.0	8.9
82.5°	0.0	1.2	2.7	4.1	5.5	6.8	8.1	9.4	11.8	18.6	25.2
80°	0.0	1.6	3.6	5.5	7.3	9.0	12.2	21.8	31.0	39.9	48.4
77.5°	0.0	2.0	4.5	6.8	9.0	14.2	26.7	38.8	50.2	61.1	74.6
75°	0.0	2.4	5.4	8.1	11.8	24.6	40.8	55.7	69.9	89.4	110.1
72.5°	0.0	2.7	6.2	9.4	18.8	34.7	54.5	73.8	96.1	119.8	145.0
70°	0.0	3.1	7.1	11.3	25.6	44.4	68.2	95.5	121.7	149.7	182.4
67.5°	0.0	3.5	7.9	15.5	32.2	53.8	84.7	116.7	146.8	182.2	219.7
65°	0.0	3.8	8.7	19.6	38.4	64.2	100.4	137.3	173.9	213.6	254.5
62.5°	0.0	4.2	9.4	23.4	44.3	75.7	115.3	158.9	200.1	243.7	285.7
60°	0.0	4.5	10.1	27.1	49.9	86.5	129.3	180.3	225.3	271.9	316.4
57.5°	0.0	4.8	12.2	30.5	57.3	96.7	144.1	200.2	250.2	299.6	345.6
55°	0.0	5.1	14.2	33.7	64.3	106.1	158.1	217.4	274.6	326.3	373.5
52.5°	0.0	5.4	16.1	36.7	70.9	115.1	171.1	235.4	298.5	350.9	400.8
50°	0.0	5.7	18.0	39.4	77.0	124.6	183.0	252.4	321.2	374.8	432.0
47.5°	0.0	6.0	19.7	42.2	82.5	133.4	194.2	268.2	341.7	397.9	462.6
45°	0.0	6.2	21.4	45.8	87.4	141.2	206.6	282.8	357.7	424.1	491.9
42.5°	0.0	6.5	23.0	49.2	91.8	148.2	217.9	296.2	373.0	449.1	526.4
40°	0.0	6.7	24.5	52.5	96.2	154.3	228.2	308.9	388.9	472.5	560.0
37.5°	0.0	6.9	25.9	55.9	100.6	159.5	237.5	320.9	406.8	494.8	591.5
35°	0.0	7.1	27.2	59.0	104.4	165.6	245.6	332.3	424.2	520.4	623.2
32.5°	0.0	7.3	28.4	61.9	107.5	171.6	253.1	342.9	441.0	545.0	656.9
30°	0.0	7.4	29.5	64.5	110.0	176.7	261.0	353.5	457.3	568.6	688.3
27.5°	0.0	7.5	30.5	66.9	113.8	181.0	268.0	365.8	474.1	590.9	717.5
25°	0.0	7.7	31.3	69.1	117.3	184.4	274.2	377.3	491.6	613.7	744.5
22.5°	0.0	7.8	32.1	70.9	120.5	187.8	279.5	387.8	507.7	635.2	773.2
20°	0.0	7.8	32.8	72.6	123.1	192.5	283.9	397.2	522.3	654.4	798.9
17.5°	0.0	7.9	33.3	73.9	125.4	196.3	289.3	405.5	535.3	671.3	821.6
15°	0.0	8.0	33.8	75.0	127.2	199.2	295.0	413.4	546.6	685.8	841.2
12.5°	0.0	8.0	34.1	75.9	128.6	201.4	299.6	420.9	556.8	697.8	857.6
10°	0.0	8.0	34.4	76.5	129.5	202.7	303.2	426.6	565.7	709.1	871.4
7.5°	0.0	8.0	34.5	76.9	130.0	203.2	305.6	430.6	572.5	718.2	883.3
5°	0.0	8.0	34.6	77.0	130.1	203.0	306.8	432.9	577.1	724.8	891.8
2.5°	0.0	7.9	34.5	76.8	129.8	202.0	306.9	433.4	579.6	728.8	897.0
0°	0.0	7.9	34.3	76.4	129.1	200.3	305.7	432.2	579.8	730.1	898.7
-2.5°	0.0	7.9	34.5	76.8	129.8	202.0	306.9	433.4	579.6	728.8	897.0
-5°	0.0	8.0	34.6	77.0	130.1	203.0	306.8	432.9	577.1	724.8	891.8
-7.5°	0.0	8.0	34.5	76.9	130.0	203.2	305.6	430.6	572.5	718.2	883.3
-10°	0.0	8.0	34.4	76.5	129.5	202.7	303.2	426.6	565.7	709.1	871.4
-12.5°	0.0	8.0	34.1	75.9	128.6	201.4	299.6	420.9	556.8	697.8	857.6
-15°	0.0	8.0	33.8	75.0	127.2	199.2	295.0	413.4	546.6	685.8	841.2
-17.5°	0.0	7.9	33.3	73.9	125.4	196.3	289.3	405.5	535.3	671.3	821.6
-20°	0.0	7.8	32.8	72.6	123.1	192.5	283.9	397.2	522.3	654.4	798.9

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

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	7.8	32.1	70.9	120.5	187.8	279.5	387.8	507.7	635.2	773.2
-25°	0.0	7.7	31.3	69.1	117.3	184.4	274.2	377.3	491.6	613.7	744.5
-27.5°	0.0	7.5	30.5	66.9	113.8	181.0	268.0	365.8	474.1	590.9	717.5
-30°	0.0	7.4	29.5	64.5	110.0	176.7	261.0	353.5	457.3	568.6	688.3
-32.5°	0.0	7.3	28.4	61.9	107.5	171.6	253.1	342.9	441.0	545.0	656.9
-35°	0.0	7.1	27.2	59.0	104.4	165.6	245.6	332.3	424.2	520.4	623.2
-37.5°	0.0	6.9	25.9	55.9	100.6	159.5	237.5	320.9	406.8	494.8	591.5
-40°	0.0	6.7	24.5	52.5	96.2	154.3	228.2	308.9	388.9	472.5	560.0
-42.5°	0.0	6.5	23.0	49.2	91.8	148.2	217.9	296.2	373.0	449.1	526.4
-45°	0.0	6.2	21.4	45.8	87.4	141.2	206.6	282.8	357.7	424.1	491.9
-47.5°	0.0	6.0	19.7	42.2	82.5	133.4	194.2	268.2	341.7	397.9	462.6
-50°	0.0	5.7	18.0	39.4	77.0	124.6	183.0	252.4	321.2	374.8	432.0
-52.5°	0.0	5.4	16.1	36.7	70.9	115.1	171.1	235.4	298.5	350.9	400.8
-55°	0.0	5.1	14.2	33.7	64.3	106.1	158.1	217.4	274.6	326.3	373.5
-57.5°	0.0	4.8	12.2	30.5	57.3	96.7	144.1	200.2	250.2	299.6	345.6
-60°	0.0	4.5	10.1	27.1	49.9	86.5	129.3	180.3	225.3	271.9	316.4
-62.5°	0.0	4.2	9.4	23.4	44.3	75.7	115.3	158.9	200.1	243.7	285.7
-65°	0.0	3.8	8.7	19.6	38.4	64.2	100.4	137.3	173.9	213.6	254.5
-67.5°	0.0	3.5	7.9	15.5	32.2	53.8	84.7	116.7	146.8	182.2	219.7
-70°	0.0	3.1	7.1	11.3	25.6	44.4	68.2	95.5	121.7	149.7	182.4
-72.5°	0.0	2.7	6.2	9.4	18.8	34.7	54.5	73.8	96.1	119.8	145.0
-75°	0.0	2.4	5.4	8.1	11.8	24.6	40.8	55.7	69.9	89.4	110.1
-77.5°	0.0	2.0	4.5	6.8	9.0	14.2	26.7	38.8	50.2	61.1	74.6
-80°	0.0	1.6	3.6	5.5	7.3	9.0	12.2	21.8	31.0	39.9	48.4
-82.5°	0.0	1.2	2.7	4.1	5.5	6.8	8.1	9.4	11.8	18.6	25.2
-85°	0.0	0.8	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.0	8.9
-87.5°	0.0	0.4	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.0	4.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.2	5.9	6.7	7.6	7.6	7.6	7.6	7.4	7.7	8.0	8.3
85°	10.3	11.8	16.4	20.9	23.0	24.3	24.9	24.8	28.8	33.5	38.6
82.5°	32.1	38.7	45.0	51.0	52.5	52.6	52.0	52.2	61.7	72.6	83.7
80°	57.1	65.5	76.6	86.5	90.8	93.0	94.0	93.8	105.8	121.8	138.6
77.5°	90.6	104.7	117.0	127.5	133.1	138.1	142.1	145.2	160.6	180.8	200.8
75°	128.8	144.3	159.7	173.1	182.4	189.4	195.8	206.3	226.4	250.0	270.5
72.5°	169.0	188.8	206.0	220.5	233.7	247.6	263.3	280.4	301.7	325.2	346.7
70°	212.0	233.8	251.7	269.2	287.1	308.1	331.5	354.6	378.4	404.4	429.4
67.5°	254.1	275.0	296.2	318.3	345.1	373.1	400.9	432.7	465.3	494.2	520.0
65°	290.6	315.2	341.6	371.6	404.8	440.4	477.4	515.7	557.0	591.6	623.2
62.5°	325.5	355.1	387.2	424.6	466.9	509.0	556.3	604.1	650.6	691.4	729.1
60°	357.7	393.5	434.1	480.0	529.3	585.4	639.2	693.5	744.6	790.8	838.4
57.5°	389.0	434.0	482.8	537.8	600.2	663.2	726.4	784.9	842.7	899.0	952.9
55°	422.1	476.4	534.4	601.9	672.3	746.7	814.8	880.1	943.7	1012.1	1077.1
52.5°	458.5	519.1	591.8	667.4	748.6	828.6	903.4	977.7	1054.6	1132.0	1216.6
50°	493.6	569.2	648.9	736.8	824.6	910.2	996.0	1081.6	1173.8	1268.6	1364.5
47.5°	534.7	617.2	711.3	805.6	901.5	996.8	1092.4	1195.9	1300.5	1410.6	1516.6
45°	576.3	669.0	770.4	877.0	980.7	1086.2	1198.0	1312.4	1435.1	1556.1	1683.7
42.5°	615.6	720.5	832.2	947.4	1062.8	1180.6	1303.5	1437.2	1571.3	1710.9	1851.0
40°	659.3	769.5	892.7	1019.5	1144.7	1275.4	1415.8	1560.6	1712.3	1865.8	2018.0
37.5°	701.3	822.4	951.9	1088.4	1228.9	1372.5	1525.0	1689.3	1853.9	2019.0	2186.9
35°	740.6	872.6	1012.8	1157.7	1306.8	1470.0	1640.5	1815.9	1994.3	2172.9	2353.4
32.5°	781.0	919.8	1071.0	1226.1	1390.3	1565.4	1752.2	1942.3	2132.2	2322.9	2520.5
30°	821.5	969.4	1127.3	1290.8	1470.4	1661.2	1861.9	2063.2	2264.2	2474.0	2684.6
27.5°	859.8	1016.5	1182.7	1357.6	1547.1	1749.9	1963.0	2178.7	2395.4	2618.4	2843.1
25°	895.0	1061.0	1234.2	1421.9	1622.8	1835.2	2057.3	2282.4	2519.9	2758.7	2993.2
22.5°	929.4	1101.9	1281.8	1481.2	1691.3	1914.4	2145.7	2383.3	2631.6	2888.0	3130.7
20°	962.4	1140.9	1328.1	1534.9	1752.8	1985.8	2226.1	2474.9	2735.4	2998.6	3259.7
17.5°	991.8	1175.6	1371.3	1585.1	1811.4	2051.0	2298.5	2555.5	2827.5	3100.4	3377.0
15°	1017.3	1205.7	1408.6	1628.9	1863.2	2110.3	2365.6	2630.0	2909.0	3193.1	3480.7
12.5°	1039.0	1231.3	1440.1	1666.1	1907.2	2161.1	2423.4	2697.0	2983.6	3275.6	3571.6
10°	1056.5	1252.1	1465.5	1696.6	1943.1	2203.1	2471.0	2752.3	3047.4	3345.9	3648.0
7.5°	1071.5	1269.5	1485.7	1720.1	1970.7	2236.0	2508.0	2795.4	3098.3	3400.6	3709.4
5°	1082.4	1283.5	1504.3	1739.8	1994.8	2261.8	2536.1	2826.1	3135.5	3439.6	3753.9
2.5°	1088.9	1292.6	1516.9	1752.5	2013.7	2281.0	2561.0	2853.3	3162.8	3470.6	3787.4
0°	1091.1	1296.7	1523.4	1758.0	2024.2	2290.4	2575.0	2867.6	3175.9	3489.6	3808.5
-2.5°	1088.9	1292.6	1516.9	1752.5	2013.7	2281.0	2561.0	2853.3	3162.8	3470.6	3787.4
-5°	1082.4	1283.5	1504.3	1739.8	1994.8	2261.8	2536.1	2826.1	3135.5	3439.6	3753.9
-7.5°	1071.5	1269.5	1485.7	1720.1	1970.7	2236.0	2508.0	2795.4	3098.3	3400.6	3709.4
-10°	1056.5	1252.1	1465.5	1696.6	1943.1	2203.1	2471.0	2752.3	3047.4	3345.9	3648.0
-12.5°	1039.0	1231.3	1440.1	1666.1	1907.2	2161.1	2423.4	2697.0	2983.6	3275.6	3571.6
-15°	1017.3	1205.7	1408.6	1628.9	1863.2	2110.3	2365.6	2630.0	2909.0	3193.1	3480.7
-17.5°	991.8	1175.6	1371.3	1585.1	1811.4	2051.0	2298.5	2555.5	2827.5	3100.4	3377.0
-20°	962.4	1140.9	1328.1	1534.9	1752.8	1985.8	2226.1	2474.9	2735.4	2998.6	3259.7

Classified

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

Scaled Data Report



REPORT NUMBER: P627091 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	929.4	1101.9	1281.8	1481.2	1691.3	1914.4	2145.7	2383.3	2631.6	2888.0	3130.7
-25°	895.0	1061.0	1234.2	1421.9	1622.8	1835.2	2057.3	2282.4	2519.9	2758.7	2993.2
-27.5°	859.8	1016.5	1182.7	1357.6	1547.1	1749.9	1963.0	2178.7	2395.4	2618.4	2843.1
-30°	821.5	969.4	1127.3	1290.8	1470.4	1661.2	1861.9	2063.2	2264.2	2474.0	2684.6
-32.5°	781.0	919.8	1071.0	1226.1	1390.3	1565.4	1752.2	1942.3	2132.2	2322.9	2520.5
-35°	740.6	872.6	1012.8	1157.7	1306.8	1470.0	1640.5	1815.9	1994.3	2172.9	2353.4
-37.5°	701.3	822.4	951.9	1088.4	1228.9	1372.5	1525.0	1689.3	1853.9	2019.0	2186.9
-40°	659.3	769.5	892.7	1019.5	1144.7	1275.4	1415.8	1560.6	1712.3	1865.8	2018.0
-42.5°	615.6	720.5	832.2	947.4	1062.8	1180.6	1303.5	1437.2	1571.3	1710.9	1851.0
-45°	576.3	669.0	770.4	877.0	980.7	1086.2	1198.0	1312.4	1435.1	1556.1	1683.7
-47.5°	534.7	617.2	711.3	805.6	901.5	996.8	1092.4	1195.9	1300.5	1410.6	1516.6
-50°	493.6	569.2	648.9	736.8	824.6	910.2	996.0	1081.6	1173.8	1268.6	1364.5
-52.5°	458.5	519.1	591.8	667.4	748.6	828.6	903.4	977.7	1054.6	1132.0	1216.6
-55°	422.1	476.4	534.4	601.9	672.3	746.7	814.8	880.1	943.7	1012.1	1077.1
-57.5°	389.0	434.0	482.8	537.8	600.2	663.2	726.4	784.9	842.7	899.0	952.9
-60°	357.7	393.5	434.1	480.0	529.3	585.4	639.2	693.5	744.6	790.8	838.4
-62.5°	325.5	355.1	387.2	424.6	466.9	509.0	556.3	604.1	650.6	691.4	729.1
-65°	290.6	315.2	341.6	371.6	404.8	440.4	477.4	515.7	557.0	591.6	623.2
-67.5°	254.1	275.0	296.2	318.3	345.1	373.1	400.9	432.7	465.3	494.2	520.0
-70°	212.0	233.8	251.7	269.2	287.1	308.1	331.5	354.6	378.4	404.4	429.4
-72.5°	169.0	188.8	206.0	220.5	233.7	247.6	263.3	280.4	301.7	325.2	346.7
-75°	128.8	144.3	159.7	173.1	182.4	189.4	195.8	206.3	226.4	250.0	270.5
-77.5°	90.6	104.7	117.0	127.5	133.1	138.1	142.1	145.2	160.6	180.8	200.8
-80°	57.1	65.5	76.6	86.5	90.8	93.0	94.0	93.8	105.8	121.8	138.6
-82.5°	32.1	38.7	45.0	51.0	52.5	52.6	52.0	52.2	61.7	72.6	83.7
-85°	10.3	11.8	16.4	20.9	23.0	24.3	24.9	24.8	28.8	33.5	38.6
-87.5°	5.2	5.9	6.7	7.6	7.6	7.6	7.6	7.4	7.7	8.0	8.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P627091 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-730-U-VWR-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°	8.6	8.9	9.1	9.3	9.5	9.7	9.9	10.0	10.1	9.6	9.1
85°	44.0	47.2	50.1	52.8	55.5	58.0	60.3	62.5	64.5	58.9	52.7
82.5°	95.1	102.7	110.0	117.2	124.3	126.2	126.7	126.5	125.5	115.6	104.7
80°	155.2	168.1	180.3	192.4	204.3	205.6	204.3	201.8	198.3	185.4	170.8
77.5°	220.8	237.1	251.3	264.3	276.2	278.5	278.1	277.5	276.6	263.4	247.5
75°	288.1	304.0	319.3	332.4	343.3	348.3	350.7	352.5	353.4	344.0	331.6
72.5°	366.0	382.6	396.1	408.8	419.5	427.3	432.9	437.1	440.0	437.1	432.0
70°	450.7	468.5	483.4	497.7	512.3	523.9	532.7	539.1	543.1	545.8	547.6
67.5°	546.0	569.8	590.6	608.4	626.0	642.5	656.0	667.1	675.6	682.9	688.5
65°	653.4	683.8	710.9	735.7	758.4	782.3	801.9	818.4	831.6	842.6	851.4
62.5°	766.3	803.6	838.3	871.9	904.9	937.4	962.3	985.0	1005.2	1022.6	1036.4
60°	883.5	926.0	972.5	1017.0	1057.9	1095.2	1132.3	1164.5	1192.0	1214.8	1233.2
57.5°	1009.7	1064.6	1119.0	1174.2	1226.3	1275.1	1320.8	1361.1	1395.1	1423.1	1446.5
55°	1145.9	1214.6	1277.7	1347.3	1414.6	1475.8	1529.7	1577.1	1618.1	1652.4	1681.5
52.5°	1295.6	1379.1	1461.1	1540.3	1616.6	1687.7	1752.2	1807.4	1856.4	1898.5	1932.1
50°	1459.5	1555.0	1650.0	1738.1	1825.8	1907.7	1981.6	2045.7	2102.8	2152.2	2191.2
47.5°	1630.9	1739.6	1845.7	1946.5	2043.6	2134.6	2214.7	2287.7	2358.9	2417.0	2462.9
45°	1808.8	1930.8	2047.8	2163.1	2270.0	2372.0	2470.8	2561.7	2634.8	2698.8	2752.5
42.5°	1989.0	2125.0	2256.1	2381.9	2499.4	2617.3	2728.5	2827.8	2911.2	2983.9	3045.0
40°	2171.4	2320.4	2464.8	2601.9	2736.3	2864.9	2985.1	3089.9	3183.9	3270.3	3342.3
37.5°	2352.9	2516.9	2676.8	2830.5	2978.4	3117.7	3247.6	3366.0	3472.1	3570.5	3650.4
35°	2535.3	2715.1	2890.3	3059.3	3221.0	3374.7	3516.9	3651.6	3776.6	3876.3	3958.0
32.5°	2716.9	2910.3	3100.9	3287.0	3463.9	3629.6	3783.8	3932.6	4061.1	4170.7	4264.7
30°	2892.7	3102.1	3309.7	3511.5	3702.6	3882.2	4052.8	4210.2	4348.5	4468.3	4573.7
27.5°	3065.2	3290.2	3512.9	3728.5	3935.1	4130.2	4316.5	4487.2	4638.0	4768.2	4879.4
25°	3228.2	3470.1	3707.4	3936.0	4156.7	4371.9	4573.0	4759.3	4920.4	5063.4	5177.6
22.5°	3383.9	3641.9	3891.3	4131.7	4367.8	4599.8	4819.9	5014.5	5185.3	5334.7	5461.1
20°	3529.0	3805.4	4060.6	4314.9	4563.6	4811.3	5047.7	5252.9	5433.6	5592.7	5732.1
17.5°	3664.6	3948.1	4216.8	4487.6	4749.7	5009.6	5249.7	5469.7	5664.6	5833.6	5979.6
15°	3779.4	4065.8	4359.2	4648.3	4924.7	5187.9	5427.8	5657.5	5874.0	6056.7	6204.7
12.5°	3872.4	4170.2	4476.3	4783.2	5075.5	5338.3	5589.5	5822.6	6049.9	6255.2	6391.2
10°	3951.7	4258.3	4574.3	4887.3	5183.5	5461.6	5734.7	5981.0	6204.5	6388.3	6540.2
7.5°	4020.2	4336.0	4656.9	4970.5	5265.7	5553.0	5834.1	6095.8	6321.4	6494.5	6630.0
5°	4070.7	4394.0	4721.2	5037.6	5336.9	5625.1	5907.6	6166.0	6386.2	6562.4	6710.1
2.5°	4106.9	4433.2	4762.7	5079.5	5385.6	5674.5	5964.0	6225.3	6438.5	6600.0	6741.4
0°	4130.0	4456.8	4788.9	5113.1	5413.6	5692.9	6003.9	6249.1	6470.4	6631.2	6778.8
-2.5°	4106.9	4433.2	4762.7	5079.5	5385.6	5674.5	5964.0	6225.3	6438.5	6600.0	6741.4
-5°	4070.7	4394.0	4721.2	5037.6	5336.9	5625.1	5907.6	6166.0	6386.2	6562.4	6710.1
-7.5°	4020.2	4336.0	4656.9	4970.5	5265.7	5553.0	5834.1	6095.8	6321.4	6494.5	6630.0
-10°	3951.7	4258.3	4574.3	4887.3	5183.5	5461.6	5734.7	5981.0	6204.5	6388.3	6540.2
-12.5°	3872.4	4170.2	4476.3	4783.2	5075.5	5338.3	5589.5	5822.6	6049.9	6255.2	6391.2
-15°	3779.4	4065.8	4359.2	4648.3	4924.7	5187.9	5427.8	5657.5	5874.0	6056.7	6204.7
-17.5°	3664.6	3948.1	4216.8	4487.6	4749.7	5009.6	5249.7	5469.7	5664.6	5833.6	5979.6
-20°	3529.0	3805.4	4060.6	4314.9	4563.6	4811.3	5047.7	5252.9	5433.6	5592.7	5732.1



REPORT NUMBER: P627091 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3383.9	3641.9	3891.3	4131.7	4367.8	4599.8	4819.9	5014.5	5185.3	5334.7	5461.1
-25°	3228.2	3470.1	3707.4	3936.0	4156.7	4371.9	4573.0	4759.3	4920.4	5063.4	5177.6
-27.5°	3065.2	3290.2	3512.9	3728.5	3935.1	4130.2	4316.5	4487.2	4638.0	4768.2	4879.4
-30°	2892.7	3102.1	3309.7	3511.5	3702.6	3882.2	4052.8	4210.2	4348.5	4468.3	4573.7
-32.5°	2716.9	2910.3	3100.9	3287.0	3463.9	3629.6	3783.8	3932.6	4061.1	4170.7	4264.7
-35°	2535.3	2715.1	2890.3	3059.3	3221.0	3374.7	3516.9	3651.6	3776.6	3876.3	3958.0
-37.5°	2352.9	2516.9	2676.8	2830.5	2978.4	3117.7	3247.6	3366.0	3472.1	3570.5	3650.4
-40°	2171.4	2320.4	2464.8	2601.9	2736.3	2864.9	2985.1	3089.9	3183.9	3270.3	3342.3
-42.5°	1989.0	2125.0	2256.1	2381.9	2499.4	2617.3	2728.5	2827.8	2911.2	2983.9	3045.0
-45°	1808.8	1930.8	2047.8	2163.1	2270.0	2372.0	2470.8	2561.7	2634.8	2698.8	2752.5
-47.5°	1630.9	1739.6	1845.7	1946.5	2043.6	2134.6	2214.7	2287.7	2358.9	2417.0	2462.9
-50°	1459.5	1555.0	1650.0	1738.1	1825.8	1907.7	1981.6	2045.7	2102.8	2152.2	2191.2
-52.5°	1295.6	1379.1	1461.1	1540.3	1616.6	1687.7	1752.2	1807.4	1856.4	1898.5	1932.1
-55°	1145.9	1214.6	1277.7	1347.3	1414.6	1475.8	1529.7	1577.1	1618.1	1652.4	1681.5
-57.5°	1009.7	1064.6	1119.0	1174.2	1226.3	1275.1	1320.8	1361.1	1395.1	1423.1	1446.5
-60°	883.5	926.0	972.5	1017.0	1057.9	1095.2	1132.3	1164.5	1192.0	1214.8	1233.2
-62.5°	766.3	803.6	838.3	871.9	904.9	937.4	962.3	985.0	1005.2	1022.6	1036.4
-65°	653.4	683.8	710.9	735.7	758.4	782.3	801.9	818.4	831.6	842.6	851.4
-67.5°	546.0	569.8	590.6	608.4	626.0	642.5	656.0	667.1	675.6	682.9	688.5
-70°	450.7	468.5	483.4	497.7	512.3	523.9	532.7	539.1	543.1	545.8	547.6
-72.5°	366.0	382.6	396.1	408.8	419.5	427.3	432.9	437.1	440.0	437.1	432.0
-75°	288.1	304.0	319.3	332.4	343.3	348.3	350.7	352.5	353.4	344.0	331.6
-77.5°	220.8	237.1	251.3	264.3	276.2	278.5	278.1	277.5	276.6	263.4	247.5
-80°	155.2	168.1	180.3	192.4	204.3	205.6	204.3	201.8	198.3	185.4	170.8
-82.5°	95.1	102.7	110.0	117.2	124.3	126.2	126.7	126.5	125.5	115.6	104.7
-85°	44.0	47.2	50.1	52.8	55.5	58.0	60.3	62.5	64.5	58.9	52.7
-87.5°	8.6	8.9	9.1	9.3	9.5	9.7	9.9	10.0	10.1	9.6	9.1
-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: P627091 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-730-U-VWR-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°	8.5	7.9	7.9	7.9	7.9	7.9	8.5	9.1	9.6	10.1	10.0
85°	46.2	39.3	36.9	34.3	36.9	39.3	46.2	52.7	58.9	64.5	62.5
82.5°	93.3	81.4	77.7	73.8	77.7	81.4	93.3	104.7	115.6	125.5	126.5
80°	155.4	139.3	133.0	126.5	133.0	139.3	155.4	170.8	185.4	198.3	201.8
77.5°	230.7	213.0	205.4	197.7	205.4	213.0	230.7	247.5	263.4	276.6	277.5
75°	318.5	304.7	296.3	287.3	296.3	304.7	318.5	331.6	344.0	353.4	352.5
72.5°	426.2	419.5	413.4	405.9	413.4	419.5	426.2	432.0	437.1	440.0	437.1
70°	548.3	547.4	548.5	548.2	548.5	547.4	548.3	547.6	545.8	543.1	539.1
67.5°	691.3	691.5	694.5	695.8	694.5	691.5	691.3	688.5	682.9	675.6	667.1
65°	856.8	858.9	858.1	853.9	858.1	858.9	856.8	851.4	842.6	831.6	818.4
62.5°	1046.2	1051.8	1054.9	1054.2	1054.9	1051.8	1046.2	1036.4	1022.6	1005.2	985.0
60°	1246.9	1255.8	1260.3	1259.8	1260.3	1255.8	1246.9	1233.2	1214.8	1192.0	1164.5
57.5°	1464.0	1475.4	1478.1	1473.3	1478.1	1475.4	1464.0	1446.5	1423.1	1395.1	1361.1
55°	1703.5	1718.1	1723.7	1721.1	1723.7	1718.1	1703.5	1681.5	1652.4	1618.1	1577.1
52.5°	1956.7	1972.5	1978.2	1974.1	1978.2	1972.5	1956.7	1932.1	1898.5	1856.4	1807.4
50°	2219.7	2238.9	2246.6	2242.9	2246.6	2238.9	2219.7	2191.2	2152.2	2102.8	2045.7
47.5°	2498.9	2524.4	2534.3	2527.6	2534.3	2524.4	2498.9	2462.9	2417.0	2358.9	2287.7
45°	2792.6	2819.1	2829.3	2822.7	2829.3	2819.1	2792.6	2752.5	2698.8	2634.8	2561.7
42.5°	3091.7	3126.0	3140.5	3128.5	3140.5	3126.0	3091.7	3045.0	2983.9	2911.2	2827.8
40°	3396.0	3433.3	3450.5	3442.1	3450.5	3433.3	3396.0	3342.3	3270.3	3183.9	3089.9
37.5°	3708.1	3745.2	3763.4	3763.7	3763.4	3745.2	3708.1	3650.4	3570.5	3472.1	3366.0
35°	4021.4	4066.3	4091.7	4090.5	4091.7	4066.3	4021.4	3958.0	3876.3	3776.6	3651.6
32.5°	4339.0	4387.6	4413.6	4417.3	4413.6	4387.6	4339.0	4264.7	4170.7	4061.1	3932.6
30°	4656.1	4709.6	4739.7	4752.0	4739.7	4709.6	4656.1	4573.7	4468.3	4348.5	4210.2
27.5°	4963.6	5029.5	5074.9	5078.8	5074.9	5029.5	4963.6	4879.4	4768.2	4638.0	4487.2
25°	5261.5	5328.5	5375.1	5384.6	5375.1	5328.5	5261.5	5177.6	5063.4	4920.4	4759.3
22.5°	5555.0	5625.1	5668.1	5685.0	5668.1	5625.1	5555.0	5461.1	5334.7	5185.3	5014.5
20°	5835.3	5911.2	5956.8	5975.0	5956.8	5911.2	5835.3	5732.1	5592.7	5433.6	5252.9
17.5°	6088.8	6169.0	6225.3	6241.1	6225.3	6169.0	6088.8	5979.6	5833.6	5664.6	5469.7
15°	6311.9	6388.0	6441.4	6462.5	6441.4	6388.0	6311.9	6204.7	6056.7	5874.0	5657.5
12.5°	6493.5	6561.6	6603.4	6623.3	6603.4	6561.6	6493.5	6391.2	6255.2	6049.9	5822.6
10°	6635.4	6703.7	6743.7	6770.9	6743.7	6703.7	6635.4	6540.2	6388.3	6204.5	5981.0
7.5°	6758.5	6828.4	6877.4	6915.9	6877.4	6828.4	6758.5	6630.0	6494.5	6321.4	6095.8
5°	6826.5	6943.3	6960.9	6987.0	6960.9	6943.3	6826.5	6710.1	6562.4	6386.2	6166.0
2.5°	6878.4	6961.2	7011.0	7005.5	7011.0	6961.2	6878.4	6741.4	6600.0	6438.5	6225.3
0°	6915.9	6989.7	7008.1	7031.8	7008.1	6989.7	6915.9	6778.8	6631.2	6470.4	6249.1
-2.5°	6878.4	6961.2	7011.0	7005.5	7011.0	6961.2	6878.4	6741.4	6600.0	6438.5	6225.3
-5°	6826.5	6943.3	6960.9	6987.0	6960.9	6943.3	6826.5	6710.1	6562.4	6386.2	6166.0
-7.5°	6758.5	6828.4	6877.4	6915.9	6877.4	6828.4	6758.5	6630.0	6494.5	6321.4	6095.8
-10°	6635.4	6703.7	6743.7	6770.9	6743.7	6703.7	6635.4	6540.2	6388.3	6204.5	5981.0
-12.5°	6493.5	6561.6	6603.4	6623.3	6603.4	6561.6	6493.5	6391.2	6255.2	6049.9	5822.6
-15°	6311.9	6388.0	6441.4	6462.5	6441.4	6388.0	6311.9	6204.7	6056.7	5874.0	5657.5
-17.5°	6088.8	6169.0	6225.3	6241.1	6225.3	6169.0	6088.8	5979.6	5833.6	5664.6	5469.7
-20°	5835.3	5911.2	5956.8	5975.0	5956.8	5911.2	5835.3	5732.1	5592.7	5433.6	5252.9



REPORT NUMBER: P627091 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-730-U-VWR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5555.0	5625.1	5668.1	5685.0	5668.1	5625.1	5555.0	5461.1	5334.7	5185.3	5014.5
-25°	5261.5	5328.5	5375.1	5384.6	5375.1	5328.5	5261.5	5177.6	5063.4	4920.4	4759.3
-27.5°	4963.6	5029.5	5074.9	5078.8	5074.9	5029.5	4963.6	4879.4	4768.2	4638.0	4487.2
-30°	4656.1	4709.6	4739.7	4752.0	4739.7	4709.6	4656.1	4573.7	4468.3	4348.5	4210.2
-32.5°	4339.0	4387.6	4413.6	4417.3	4413.6	4387.6	4339.0	4264.7	4170.7	4061.1	3932.6
-35°	4021.4	4066.3	4091.7	4090.5	4091.7	4066.3	4021.4	3958.0	3876.3	3776.6	3651.6
-37.5°	3708.1	3745.2	3763.4	3763.7	3763.4	3745.2	3708.1	3650.4	3570.5	3472.1	3366.0
-40°	3396.0	3433.3	3450.5	3442.1	3450.5	3433.3	3396.0	3342.3	3270.3	3183.9	3089.9
-42.5°	3091.7	3126.0	3140.5	3128.5	3140.5	3126.0	3091.7	3045.0	2983.9	2911.2	2827.8
-45°	2792.6	2819.1	2829.3	2822.7	2829.3	2819.1	2792.6	2752.5	2698.8	2634.8	2561.7
-47.5°	2498.9	2524.4	2534.3	2527.6	2534.3	2524.4	2498.9	2462.9	2417.0	2358.9	2287.7
-50°	2219.7	2238.9	2246.6	2242.9	2246.6	2238.9	2219.7	2191.2	2152.2	2102.8	2045.7
-52.5°	1956.7	1972.5	1978.2	1974.1	1978.2	1972.5	1956.7	1932.1	1898.5	1856.4	1807.4
-55°	1703.5	1718.1	1723.7	1721.1	1723.7	1718.1	1703.5	1681.5	1652.4	1618.1	1577.1
-57.5°	1464.0	1475.4	1478.1	1473.3	1478.1	1475.4	1464.0	1446.5	1423.1	1395.1	1361.1
-60°	1246.9	1255.8	1260.3	1259.8	1260.3	1255.8	1246.9	1233.2	1214.8	1192.0	1164.5
-62.5°	1046.2	1051.8	1054.9	1054.2	1054.9	1051.8	1046.2	1036.4	1022.6	1005.2	985.0
-65°	856.8	858.9	858.1	853.9	858.1	858.9	856.8	851.4	842.6	831.6	818.4
-67.5°	691.3	691.5	694.5	695.8	694.5	691.5	691.3	688.5	682.9	675.6	667.1
-70°	548.3	547.4	548.5	548.2	548.5	547.4	548.3	547.6	545.8	543.1	539.1
-72.5°	426.2	419.5	413.4	405.9	413.4	419.5	426.2	432.0	437.1	440.0	437.1
-75°	318.5	304.7	296.3	287.3	296.3	304.7	318.5	331.6	344.0	353.4	352.5
-77.5°	230.7	213.0	205.4	197.7	205.4	213.0	230.7	247.5	263.4	276.6	277.5
-80°	155.4	139.3	133.0	126.5	133.0	139.3	155.4	170.8	185.4	198.3	201.8
-82.5°	93.3	81.4	77.7	73.8	77.7	81.4	93.3	104.7	115.6	125.5	126.5
-85°	46.2	39.3	36.9	34.3	36.9	39.3	46.2	52.7	58.9	64.5	62.5
-87.5°	8.5	7.9	7.9	7.9	7.9	7.9	8.5	9.1	9.6	10.1	10.0
-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: P627091 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: GFLD-SA3B-730-U-VWR-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°	9.9	9.7	9.5	9.3	9.1	8.9	8.6	8.3	8.0	7.7	7.4
85°	60.3	58.0	55.5	52.8	50.1	47.2	44.0	38.6	33.5	28.8	24.8
82.5°	126.7	126.2	124.3	117.2	110.0	102.7	95.1	83.7	72.6	61.7	52.2
80°	204.3	205.6	204.3	192.4	180.3	168.1	155.2	138.6	121.8	105.8	93.8
77.5°	278.1	278.5	276.2	264.3	251.3	237.1	220.8	200.8	180.8	160.6	145.2
75°	350.7	348.3	343.3	332.4	319.3	304.0	288.1	270.5	250.0	226.4	206.3
72.5°	432.9	427.3	419.5	408.8	396.1	382.6	366.0	346.7	325.2	301.7	280.4
70°	532.7	523.9	512.3	497.7	483.4	468.5	450.7	429.4	404.4	378.4	354.6
67.5°	656.0	642.5	626.0	608.4	590.6	569.8	546.0	520.0	494.2	465.3	432.7
65°	801.9	782.3	758.4	735.7	710.9	683.8	653.4	623.2	591.6	557.0	515.7
62.5°	962.3	937.4	904.9	871.9	838.3	803.6	766.3	729.1	691.4	650.6	604.1
60°	1132.3	1095.2	1057.9	1017.0	972.5	926.0	883.5	838.4	790.8	744.6	693.5
57.5°	1320.8	1275.1	1226.3	1174.2	1119.0	1064.6	1009.7	952.9	899.0	842.7	784.9
55°	1529.7	1475.8	1414.6	1347.3	1277.7	1214.6	1145.9	1077.1	1012.1	943.7	880.1
52.5°	1752.2	1687.7	1616.6	1540.3	1461.1	1379.1	1295.6	1216.6	1132.0	1054.6	977.7
50°	1981.6	1907.7	1825.8	1738.1	1650.0	1555.0	1459.5	1364.5	1268.6	1173.8	1081.6
47.5°	2214.7	2134.6	2043.6	1946.5	1845.7	1739.6	1630.9	1516.6	1410.6	1300.5	1195.9
45°	2470.8	2372.0	2270.0	2163.1	2047.8	1930.8	1808.8	1683.7	1556.1	1435.1	1312.4
42.5°	2728.5	2617.3	2499.4	2381.9	2256.1	2125.0	1989.0	1851.0	1710.9	1571.3	1437.2
40°	2985.1	2864.9	2736.3	2601.9	2464.8	2320.4	2171.4	2018.0	1865.8	1712.3	1560.6
37.5°	3247.6	3117.7	2978.4	2830.5	2676.8	2516.9	2352.9	2186.9	2019.0	1853.9	1689.3
35°	3516.9	3374.7	3221.0	3059.3	2890.3	2715.1	2535.3	2353.4	2172.9	1994.3	1815.9
32.5°	3783.8	3629.6	3463.9	3287.0	3100.9	2910.3	2716.9	2520.5	2322.9	2132.2	1942.3
30°	4052.8	3882.2	3702.6	3511.5	3309.7	3102.1	2892.7	2684.6	2474.0	2264.2	2063.2
27.5°	4316.5	4130.2	3935.1	3728.5	3512.9	3290.2	3065.2	2843.1	2618.4	2395.4	2178.7
25°	4573.0	4371.9	4156.7	3936.0	3707.4	3470.1	3228.2	2993.2	2758.7	2519.9	2282.4
22.5°	4819.9	4599.8	4367.8	4131.7	3891.3	3641.9	3383.9	3130.7	2888.0	2631.6	2383.3
20°	5047.7	4811.3	4563.6	4314.9	4060.6	3805.4	3529.0	3259.7	2998.6	2735.4	2474.9
17.5°	5249.7	5009.6	4749.7	4487.6	4216.8	3948.1	3664.6	3377.0	3100.4	2827.5	2555.5
15°	5427.8	5187.9	4924.7	4648.3	4359.2	4065.8	3779.4	3480.7	3193.1	2909.0	2630.0
12.5°	5589.5	5338.3	5075.5	4783.2	4476.3	4170.2	3872.4	3571.6	3275.6	2983.6	2697.0
10°	5734.7	5461.6	5183.5	4887.3	4574.3	4258.3	3951.7	3648.0	3345.9	3047.4	2752.3
7.5°	5834.1	5553.0	5265.7	4970.5	4656.9	4336.0	4020.2	3709.4	3400.6	3098.3	2795.4
5°	5907.6	5625.1	5336.9	5037.6	4721.2	4394.0	4070.7	3753.9	3439.6	3135.5	2826.1
2.5°	5964.0	5674.5	5385.6	5079.5	4762.7	4433.2	4106.9	3787.4	3470.6	3162.8	2853.3
0°	6003.9	5692.9	5413.6	5113.1	4788.9	4456.8	4130.0	3808.5	3489.6	3175.9	2867.6
-2.5°	5964.0	5674.5	5385.6	5079.5	4762.7	4433.2	4106.9	3787.4	3470.6	3162.8	2853.3
-5°	5907.6	5625.1	5336.9	5037.6	4721.2	4394.0	4070.7	3753.9	3439.6	3135.5	2826.1
-7.5°	5834.1	5553.0	5265.7	4970.5	4656.9	4336.0	4020.2	3709.4	3400.6	3098.3	2795.4
-10°	5734.7	5461.6	5183.5	4887.3	4574.3	4258.3	3951.7	3648.0	3345.9	3047.4	2752.3
-12.5°	5589.5	5338.3	5075.5	4783.2	4476.3	4170.2	3872.4	3571.6	3275.6	2983.6	2697.0
-15°	5427.8	5187.9	4924.7	4648.3	4359.2	4065.8	3779.4	3480.7	3193.1	2909.0	2630.0
-17.5°	5249.7	5009.6	4749.7	4487.6	4216.8	3948.1	3664.6	3377.0	3100.4	2827.5	2555.5
-20°	5047.7	4811.3	4563.6	4314.9	4060.6	3805.4	3529.0	3259.7	2998.6	2735.4	2474.9



REPORT NUMBER: P627091 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4819.9	4599.8	4367.8	4131.7	3891.3	3641.9	3383.9	3130.7	2888.0	2631.6	2383.3
-25°	4573.0	4371.9	4156.7	3936.0	3707.4	3470.1	3228.2	2993.2	2758.7	2519.9	2282.4
-27.5°	4316.5	4130.2	3935.1	3728.5	3512.9	3290.2	3065.2	2843.1	2618.4	2395.4	2178.7
-30°	4052.8	3882.2	3702.6	3511.5	3309.7	3102.1	2892.7	2684.6	2474.0	2264.2	2063.2
-32.5°	3783.8	3629.6	3463.9	3287.0	3100.9	2910.3	2716.9	2520.5	2322.9	2132.2	1942.3
-35°	3516.9	3374.7	3221.0	3059.3	2890.3	2715.1	2535.3	2353.4	2172.9	1994.3	1815.9
-37.5°	3247.6	3117.7	2978.4	2830.5	2676.8	2516.9	2352.9	2186.9	2019.0	1853.9	1689.3
-40°	2985.1	2864.9	2736.3	2601.9	2464.8	2320.4	2171.4	2018.0	1865.8	1712.3	1560.6
-42.5°	2728.5	2617.3	2499.4	2381.9	2256.1	2125.0	1989.0	1851.0	1710.9	1571.3	1437.2
-45°	2470.8	2372.0	2270.0	2163.1	2047.8	1930.8	1808.8	1683.7	1556.1	1435.1	1312.4
-47.5°	2214.7	2134.6	2043.6	1946.5	1845.7	1739.6	1630.9	1516.6	1410.6	1300.5	1195.9
-50°	1981.6	1907.7	1825.8	1738.1	1650.0	1555.0	1459.5	1364.5	1268.6	1173.8	1081.6
-52.5°	1752.2	1687.7	1616.6	1540.3	1461.1	1379.1	1295.6	1216.6	1132.0	1054.6	977.7
-55°	1529.7	1475.8	1414.6	1347.3	1277.7	1214.6	1145.9	1077.1	1012.1	943.7	880.1
-57.5°	1320.8	1275.1	1226.3	1174.2	1119.0	1064.6	1009.7	952.9	899.0	842.7	784.9
-60°	1132.3	1095.2	1057.9	1017.0	972.5	926.0	883.5	838.4	790.8	744.6	693.5
-62.5°	962.3	937.4	904.9	871.9	838.3	803.6	766.3	729.1	691.4	650.6	604.1
-65°	801.9	782.3	758.4	735.7	710.9	683.8	653.4	623.2	591.6	557.0	515.7
-67.5°	656.0	642.5	626.0	608.4	590.6	569.8	546.0	520.0	494.2	465.3	432.7
-70°	532.7	523.9	512.3	497.7	483.4	468.5	450.7	429.4	404.4	378.4	354.6
-72.5°	432.9	427.3	419.5	408.8	396.1	382.6	366.0	346.7	325.2	301.7	280.4
-75°	350.7	348.3	343.3	332.4	319.3	304.0	288.1	270.5	250.0	226.4	206.3
-77.5°	278.1	278.5	276.2	264.3	251.3	237.1	220.8	200.8	180.8	160.6	145.2
-80°	204.3	205.6	204.3	192.4	180.3	168.1	155.2	138.6	121.8	105.8	93.8
-82.5°	126.7	126.2	124.3	117.2	110.0	102.7	95.1	83.7	72.6	61.7	52.2
-85°	60.3	58.0	55.5	52.8	50.1	47.2	44.0	38.6	33.5	28.8	24.8
-87.5°	9.9	9.7	9.5	9.3	9.1	8.9	8.6	8.3	8.0	7.7	7.4
-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: P627091 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA3B-730-U-VWR-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°	7.6	7.6	7.6	7.6	6.7	5.9	5.2	4.4	4.0	3.6	3.2
85°	24.9	24.3	23.0	20.9	16.4	11.8	10.3	8.9	8.0	7.2	6.3
82.5°	52.0	52.6	52.5	51.0	45.0	38.7	32.1	25.2	18.6	11.8	9.4
80°	94.0	93.0	90.8	86.5	76.6	65.5	57.1	48.4	39.9	31.0	21.8
77.5°	142.1	138.1	133.1	127.5	117.0	104.7	90.6	74.6	61.1	50.2	38.8
75°	195.8	189.4	182.4	173.1	159.7	144.3	128.8	110.1	89.4	69.9	55.7
72.5°	263.3	247.6	233.7	220.5	206.0	188.8	169.0	145.0	119.8	96.1	73.8
70°	331.5	308.1	287.1	269.2	251.7	233.8	212.0	182.4	149.7	121.7	95.5
67.5°	400.9	373.1	345.1	318.3	296.2	275.0	254.1	219.7	182.2	146.8	116.7
65°	477.4	440.4	404.8	371.6	341.6	315.2	290.6	254.5	213.6	173.9	137.3
62.5°	556.3	509.0	466.9	424.6	387.2	355.1	325.5	285.7	243.7	200.1	158.9
60°	639.2	585.4	529.3	480.0	434.1	393.5	357.7	316.4	271.9	225.3	180.3
57.5°	726.4	663.2	600.2	537.8	482.8	434.0	389.0	345.6	299.6	250.2	200.2
55°	814.8	746.7	672.3	601.9	534.4	476.4	422.1	373.5	326.3	274.6	217.4
52.5°	903.4	828.6	748.6	667.4	591.8	519.1	458.5	400.8	350.9	298.5	235.4
50°	996.0	910.2	824.6	736.8	648.9	569.2	493.6	432.0	374.8	321.2	252.4
47.5°	1092.4	996.8	901.5	805.6	711.3	617.2	534.7	462.6	397.9	341.7	268.2
45°	1198.0	1086.2	980.7	877.0	770.4	669.0	576.3	491.9	424.1	357.7	282.8
42.5°	1303.5	1180.6	1062.8	947.4	832.2	720.5	615.6	526.4	449.1	373.0	296.2
40°	1415.8	1275.4	1144.7	1019.5	892.7	769.5	659.3	560.0	472.5	388.9	308.9
37.5°	1525.0	1372.5	1228.9	1088.4	951.9	822.4	701.3	591.5	494.8	406.8	320.9
35°	1640.5	1470.0	1306.8	1157.7	1012.8	872.6	740.6	623.2	520.4	424.2	332.3
32.5°	1752.2	1565.4	1390.3	1226.1	1071.0	919.8	781.0	656.9	545.0	441.0	342.9
30°	1861.9	1661.2	1470.4	1290.8	1127.3	969.4	821.5	688.3	568.6	457.3	353.5
27.5°	1963.0	1749.9	1547.1	1357.6	1182.7	1016.5	859.8	717.5	590.9	474.1	365.8
25°	2057.3	1835.2	1622.8	1421.9	1234.2	1061.0	895.0	744.5	613.7	491.6	377.3
22.5°	2145.7	1914.4	1691.3	1481.2	1281.8	1101.9	929.4	773.2	635.2	507.7	387.8
20°	2226.1	1985.8	1752.8	1534.9	1328.1	1140.9	962.4	798.9	654.4	522.3	397.2
17.5°	2298.5	2051.0	1811.4	1585.1	1371.3	1175.6	991.8	821.6	671.3	535.3	405.5
15°	2365.6	2110.3	1863.2	1628.9	1408.6	1205.7	1017.3	841.2	685.8	546.6	413.4
12.5°	2423.4	2161.1	1907.2	1666.1	1440.1	1231.3	1039.0	857.6	697.8	556.8	420.9
10°	2471.0	2203.1	1943.1	1696.6	1465.5	1252.1	1056.5	871.4	709.1	565.7	426.6
7.5°	2508.0	2236.0	1970.7	1720.1	1485.7	1269.5	1071.5	883.3	718.2	572.5	430.6
5°	2536.1	2261.8	1994.8	1739.8	1504.3	1283.5	1082.4	891.8	724.8	577.1	432.9
2.5°	2561.0	2281.0	2013.7	1752.5	1516.9	1292.6	1088.9	897.0	728.8	579.6	433.4
0°	2575.0	2290.4	2024.2	1758.0	1523.4	1296.7	1091.1	898.7	730.1	579.8	432.2
-2.5°	2561.0	2281.0	2013.7	1752.5	1516.9	1292.6	1088.9	897.0	728.8	579.6	433.4
-5°	2536.1	2261.8	1994.8	1739.8	1504.3	1283.5	1082.4	891.8	724.8	577.1	432.9
-7.5°	2508.0	2236.0	1970.7	1720.1	1485.7	1269.5	1071.5	883.3	718.2	572.5	430.6
-10°	2471.0	2203.1	1943.1	1696.6	1465.5	1252.1	1056.5	871.4	709.1	565.7	426.6
-12.5°	2423.4	2161.1	1907.2	1666.1	1440.1	1231.3	1039.0	857.6	697.8	556.8	420.9
-15°	2365.6	2110.3	1863.2	1628.9	1408.6	1205.7	1017.3	841.2	685.8	546.6	413.4
-17.5°	2298.5	2051.0	1811.4	1585.1	1371.3	1175.6	991.8	821.6	671.3	535.3	405.5
-20°	2226.1	1985.8	1752.8	1534.9	1328.1	1140.9	962.4	798.9	654.4	522.3	397.2



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2145.7	1914.4	1691.3	1481.2	1281.8	1101.9	929.4	773.2	635.2	507.7	387.8
-25°	2057.3	1835.2	1622.8	1421.9	1234.2	1061.0	895.0	744.5	613.7	491.6	377.3
-27.5°	1963.0	1749.9	1547.1	1357.6	1182.7	1016.5	859.8	717.5	590.9	474.1	365.8
-30°	1861.9	1661.2	1470.4	1290.8	1127.3	969.4	821.5	688.3	568.6	457.3	353.5
-32.5°	1752.2	1565.4	1390.3	1226.1	1071.0	919.8	781.0	656.9	545.0	441.0	342.9
-35°	1640.5	1470.0	1306.8	1157.7	1012.8	872.6	740.6	623.2	520.4	424.2	332.3
-37.5°	1525.0	1372.5	1228.9	1088.4	951.9	822.4	701.3	591.5	494.8	406.8	320.9
-40°	1415.8	1275.4	1144.7	1019.5	892.7	769.5	659.3	560.0	472.5	388.9	308.9
-42.5°	1303.5	1180.6	1062.8	947.4	832.2	720.5	615.6	526.4	449.1	373.0	296.2
-45°	1198.0	1086.2	980.7	877.0	770.4	669.0	576.3	491.9	424.1	357.7	282.8
-47.5°	1092.4	996.8	901.5	805.6	711.3	617.2	534.7	462.6	397.9	341.7	268.2
-50°	996.0	910.2	824.6	736.8	648.9	569.2	493.6	432.0	374.8	321.2	252.4
-52.5°	903.4	828.6	748.6	667.4	591.8	519.1	458.5	400.8	350.9	298.5	235.4
-55°	814.8	746.7	672.3	601.9	534.4	476.4	422.1	373.5	326.3	274.6	217.4
-57.5°	726.4	663.2	600.2	537.8	482.8	434.0	389.0	345.6	299.6	250.2	200.2
-60°	639.2	585.4	529.3	480.0	434.1	393.5	357.7	316.4	271.9	225.3	180.3
-62.5°	556.3	509.0	466.9	424.6	387.2	355.1	325.5	285.7	243.7	200.1	158.9
-65°	477.4	440.4	404.8	371.6	341.6	315.2	290.6	254.5	213.6	173.9	137.3
-67.5°	400.9	373.1	345.1	318.3	292.2	275.0	254.1	219.7	182.2	146.8	116.7
-70°	331.5	308.1	287.1	269.2	251.7	233.8	212.0	182.4	149.7	121.7	95.5
-72.5°	263.3	247.6	233.7	220.5	206.0	188.8	169.0	145.0	119.8	96.1	73.8
-75°	195.8	189.4	182.4	173.1	159.7	144.3	128.8	110.1	89.4	69.9	55.7
-77.5°	142.1	138.1	133.1	127.5	117.0	104.7	90.6	74.6	61.1	50.2	38.8
-80°	94.0	93.0	90.8	86.5	76.6	65.5	57.1	48.4	39.9	31.0	21.8
-82.5°	52.0	52.6	52.5	51.0	45.0	38.7	32.1	25.2	18.6	11.8	9.4
-85°	24.9	24.3	23.0	20.9	16.4	11.8	10.3	8.9	8.0	7.2	6.3
-87.5°	7.6	7.6	7.6	7.6	6.7	5.9	5.2	4.4	4.0	3.6	3.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	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°	2.7	2.3	1.8	1.4	0.9	0.4	0.0
85°	5.4	4.5	3.6	2.7	1.8	0.8	0.0
82.5°	8.1	6.8	5.5	4.1	2.7	1.2	0.0
80°	12.2	9.0	7.3	5.5	3.6	1.6	0.0
77.5°	26.7	14.2	9.0	6.8	4.5	2.0	0.0
75°	40.8	24.6	11.8	8.1	5.4	2.4	0.0
72.5°	54.5	34.7	18.8	9.4	6.2	2.7	0.0
70°	68.2	44.4	25.6	11.3	7.1	3.1	0.0
67.5°	84.7	53.8	32.2	15.5	7.9	3.5	0.0
65°	100.4	64.2	38.4	19.6	8.7	3.8	0.0
62.5°	115.3	75.7	44.3	23.4	9.4	4.2	0.0
60°	129.3	86.5	49.9	27.1	10.1	4.5	0.0
57.5°	144.1	96.7	57.3	30.5	12.2	4.8	0.0
55°	158.1	106.1	64.3	33.7	14.2	5.1	0.0
52.5°	171.1	115.1	70.9	36.7	16.1	5.4	0.0
50°	183.0	124.6	77.0	39.4	18.0	5.7	0.0
47.5°	194.2	133.4	82.5	42.2	19.7	6.0	0.0
45°	206.6	141.2	87.4	45.8	21.4	6.2	0.0
42.5°	217.9	148.2	91.8	49.2	23.0	6.5	0.0
40°	228.2	154.3	96.2	52.5	24.5	6.7	0.0
37.5°	237.5	159.5	100.6	55.9	25.9	6.9	0.0
35°	245.6	165.6	104.4	59.0	27.2	7.1	0.0
32.5°	253.1	171.6	107.5	61.9	28.4	7.3	0.0
30°	261.0	176.7	110.0	64.5	29.5	7.4	0.0
27.5°	268.0	181.0	113.8	66.9	30.5	7.5	0.0
25°	274.2	184.4	117.3	69.1	31.3	7.7	0.0
22.5°	279.5	187.8	120.5	70.9	32.1	7.8	0.0
20°	283.9	192.5	123.1	72.6	32.8	7.8	0.0
17.5°	289.3	196.3	125.4	73.9	33.3	7.9	0.0
15°	295.0	199.2	127.2	75.0	33.8	8.0	0.0
12.5°	299.6	201.4	128.6	75.9	34.1	8.0	0.0
10°	303.2	202.7	129.5	76.5	34.4	8.0	0.0
7.5°	305.6	203.2	130.0	76.9	34.5	8.0	0.0
5°	306.8	203.0	130.1	77.0	34.6	8.0	0.0
2.5°	306.9	202.0	129.8	76.8	34.5	7.9	0.0
0°	305.7	200.3	129.1	76.4	34.3	7.9	0.0
-2.5°	306.9	202.0	129.8	76.8	34.5	7.9	0.0
-5°	306.8	203.0	130.1	77.0	34.6	8.0	0.0
-7.5°	305.6	203.2	130.0	76.9	34.5	8.0	0.0
-10°	303.2	202.7	129.5	76.5	34.4	8.0	0.0
-12.5°	299.6	201.4	128.6	75.9	34.1	8.0	0.0
-15°	295.0	199.2	127.2	75.0	33.8	8.0	0.0
-17.5°	289.3	196.3	125.4	73.9	33.3	7.9	0.0
-20°	283.9	192.5	123.1	72.6	32.8	7.8	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	279.5	187.8	120.5	70.9	32.1	7.8	0.0
-25°	274.2	184.4	117.3	69.1	31.3	7.7	0.0
-27.5°	268.0	181.0	113.8	66.9	30.5	7.5	0.0
-30°	261.0	176.7	110.0	64.5	29.5	7.4	0.0
-32.5°	253.1	171.6	107.5	61.9	28.4	7.3	0.0
-35°	245.6	165.6	104.4	59.0	27.2	7.1	0.0
-37.5°	237.5	159.5	100.6	55.9	25.9	6.9	0.0
-40°	228.2	154.3	96.2	52.5	24.5	6.7	0.0
-42.5°	217.9	148.2	91.8	49.2	23.0	6.5	0.0
-45°	206.6	141.2	87.4	45.8	21.4	6.2	0.0
-47.5°	194.2	133.4	82.5	42.2	19.7	6.0	0.0
-50°	183.0	124.6	77.0	39.4	18.0	5.7	0.0
-52.5°	171.1	115.1	70.9	36.7	16.1	5.4	0.0
-55°	158.1	106.1	64.3	33.7	14.2	5.1	0.0
-57.5°	144.1	96.7	57.3	30.5	12.2	4.8	0.0
-60°	129.3	86.5	49.9	27.1	10.1	4.5	0.0
-62.5°	115.3	75.7	44.3	23.4	9.4	4.2	0.0
-65°	100.4	64.2	38.4	19.6	8.7	3.8	0.0
-67.5°	84.7	53.8	32.2	15.5	7.9	3.5	0.0
-70°	68.2	44.4	25.6	11.3	7.1	3.1	0.0
-72.5°	54.5	34.7	18.8	9.4	6.2	2.7	0.0
-75°	40.8	24.6	11.8	8.1	5.4	2.4	0.0
-77.5°	26.7	14.2	9.0	6.8	4.5	2.0	0.0
-80°	12.2	9.0	7.3	5.5	3.6	1.6	0.0
-82.5°	8.1	6.8	5.5	4.1	2.7	1.2	0.0
-85°	5.4	4.5	3.6	2.7	1.8	0.8	0.0
-87.5°	2.7	2.3	1.8	1.4	0.9	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)