

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



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

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P645504 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5B-730-U-LAM-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645504 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5B-730-U-LAM-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

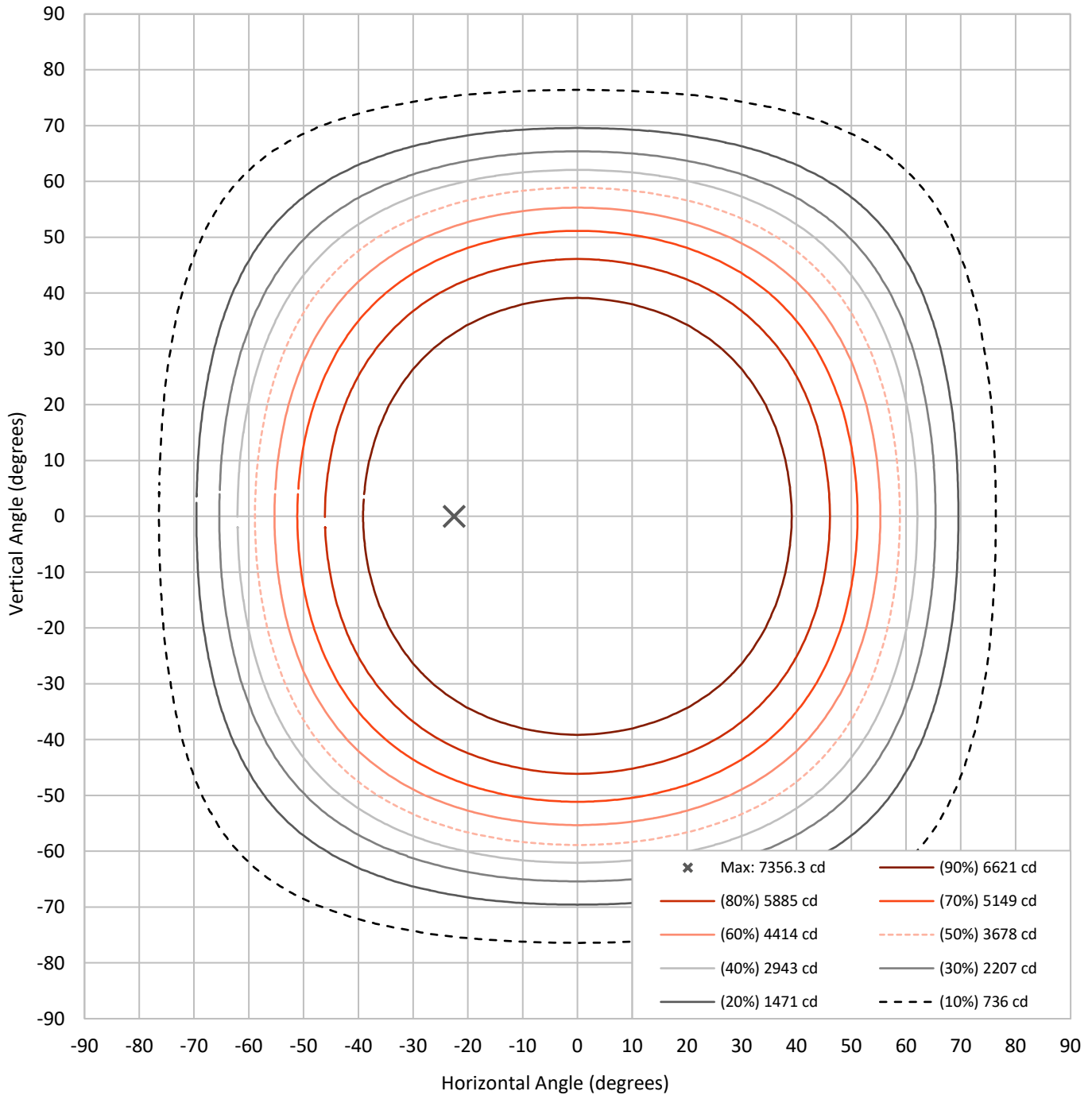
Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	22503.3 lumens	Max Intensity:	7356.3 candela
Efficiency:	N/A	Max Intensity Angle:	-22.5°H x 0°V
Efficacy:	141.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	117.8°H x 112°V	Field Angle (10%):	152.8°H x 150.5°V
Beam Lumens:	18727.7 lumens	Field Lumens:	22060.7 lumens
Beam Efficiency:	83.2%	Field Efficiency:	98.0%
Input Watts (W):	158.7		
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		



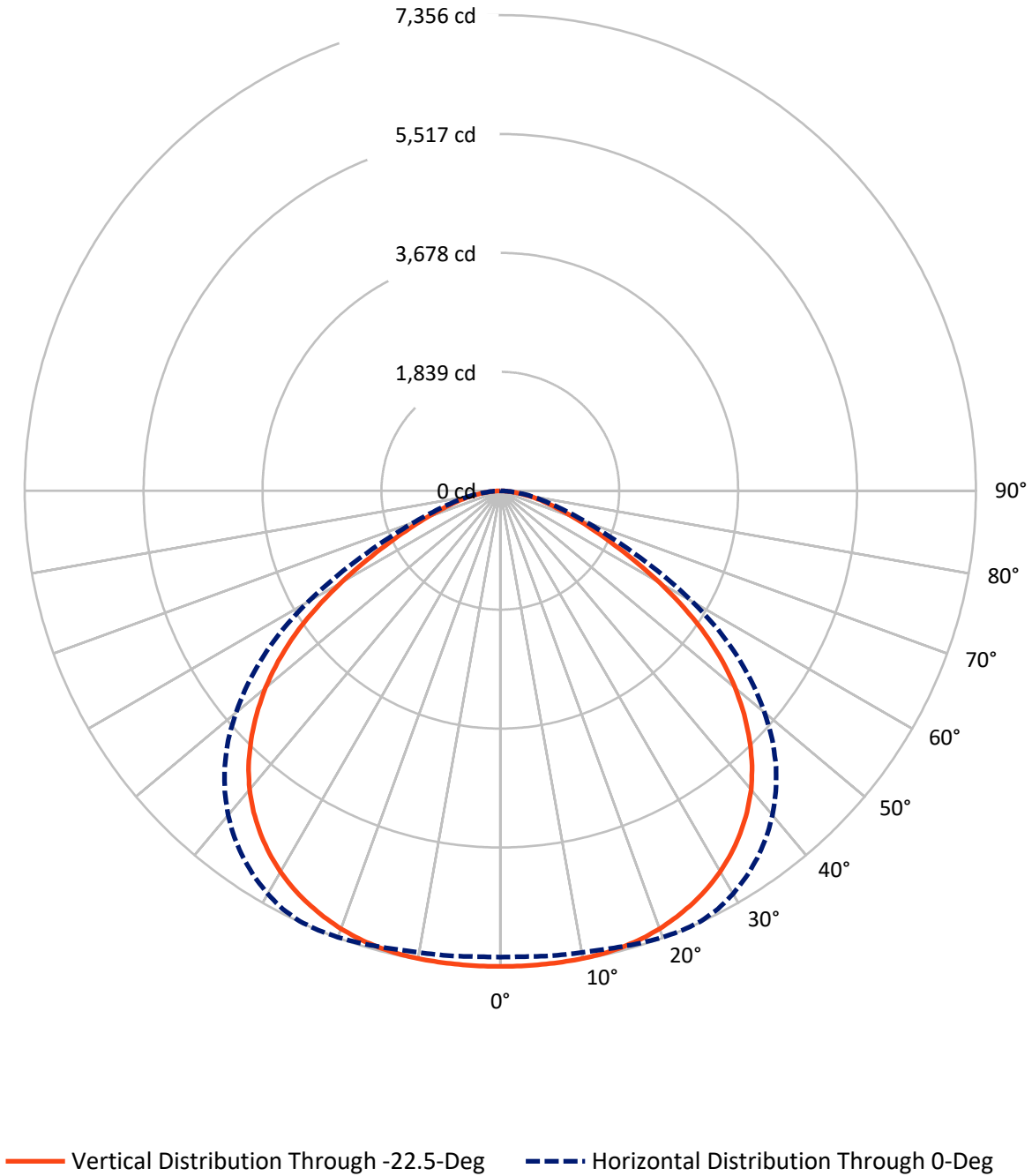
REPORT NUMBER: P645504 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-730-U-LAM-XX

Iso-Candela Plot



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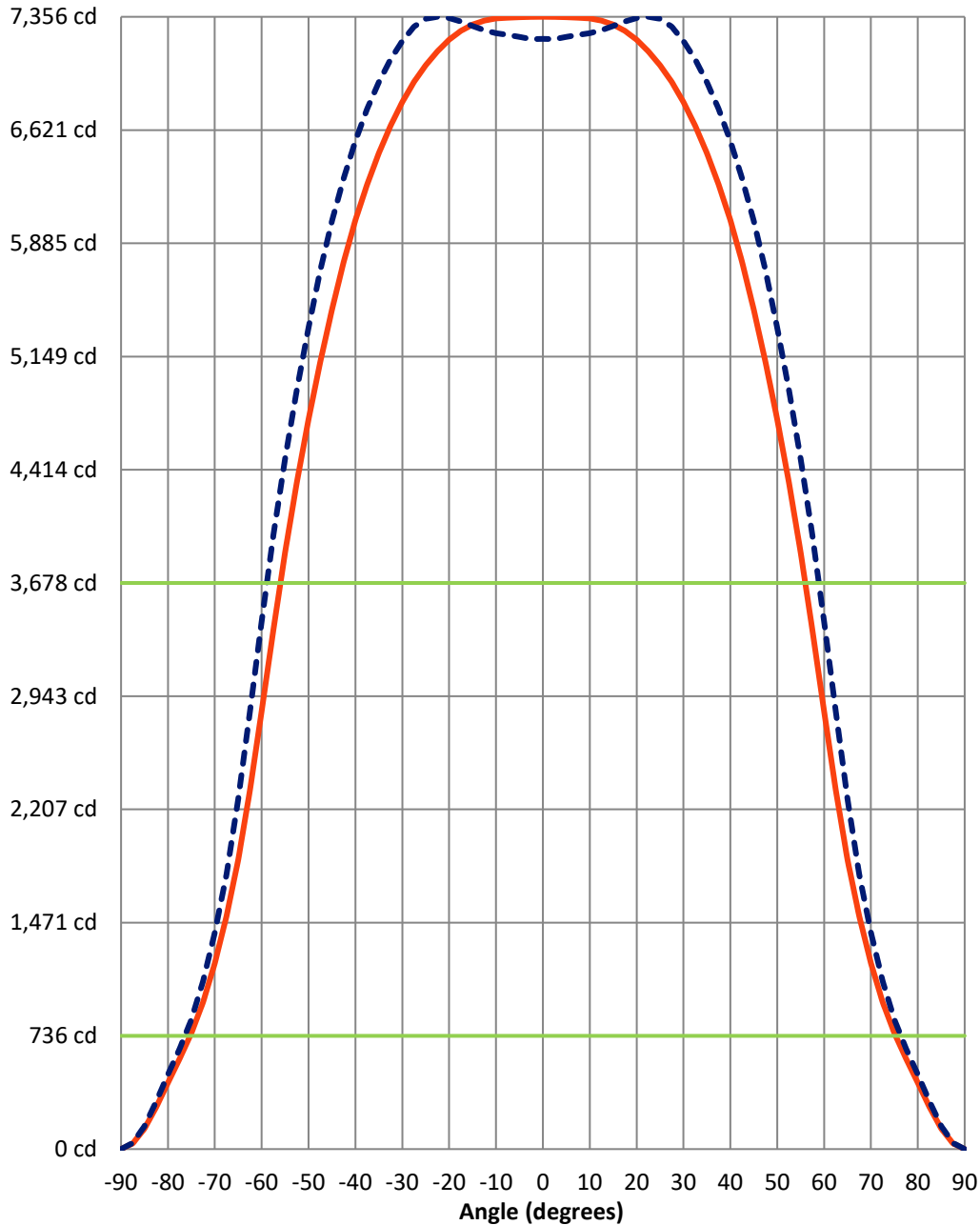
Luminous Intensity Polar Plot





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Luminous Intensity Plot



Beam:
 H Angle: 117.8°
 V Angle: 112°
 Lumens: 18727.7
 Efficiency: 83.2%

Field:
 H Angle: 152.8°
 V Angle: 150.5°
 Lumens: 22060.7
 Efficiency: 98.0%

Spill:
 Lumens: 442.6
 Efficiency: 2.0%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.8	3.5	5.2	7.0	8.7	10.4	12.1	13.7	15.4	17.0
85°	0.0	3.5	7.0	10.5	13.9	17.4	20.8	24.1	27.5	30.7	33.9
82.5°	0.0	5.2	10.5	15.7	20.9	26.0	31.1	36.2	42.8	56.1	69.2
80°	0.0	7.0	13.9	20.9	27.8	34.6	43.5	61.8	79.8	97.6	115.0
77.5°	0.0	8.7	17.4	26.0	34.6	48.3	71.4	94.1	116.6	138.8	165.5
75°	0.0	10.4	20.8	31.1	43.5	71.4	98.9	126.2	154.7	193.3	231.3
72.5°	0.0	12.1	24.1	36.2	61.8	94.1	126.2	161.7	207.3	252.2	296.4
70°	0.0	13.7	27.5	42.8	79.8	116.6	154.7	207.3	259.2	310.6	366.0
67.5°	0.0	15.4	30.7	56.1	97.6	138.8	193.3	252.2	310.6	373.7	435.9
65°	0.0	17.0	33.9	69.2	115.0	165.5	231.3	296.4	366.0	435.9	503.8
62.5°	0.0	18.6	37.1	82.0	132.1	196.6	268.5	342.9	420.4	496.4	568.4
60°	0.0	20.1	40.2	94.6	148.9	227.0	305.0	389.6	473.7	553.5	631.8
57.5°	0.0	21.6	48.3	106.8	172.2	256.7	343.7	435.2	524.0	609.4	699.4
55°	0.0	23.1	56.2	118.8	195.4	285.6	381.9	479.7	572.4	665.5	768.1
52.5°	0.0	24.5	63.9	130.3	217.8	314.1	418.9	521.2	619.6	725.7	834.9
50°	0.0	25.8	71.4	141.5	239.5	344.0	454.8	561.2	667.1	784.1	918.0
47.5°	0.0	27.2	78.6	153.5	260.5	372.8	489.2	599.8	717.2	840.6	1000.6
45°	0.0	28.4	85.5	168.6	280.6	400.6	521.0	636.9	765.6	911.7	1080.2
42.5°	0.0	29.6	92.1	183.0	299.9	427.1	551.5	675.4	811.9	980.4	1174.0
40°	0.0	30.8	98.4	196.8	319.2	452.5	580.6	714.1	860.8	1046.2	1266.8
37.5°	0.0	31.9	104.4	209.9	338.5	476.6	608.3	750.8	916.2	1113.4	1355.1
35°	0.0	32.9	110.0	222.2	356.6	498.7	634.5	785.7	968.7	1188.4	1445.4
32.5°	0.0	33.9	115.3	233.9	373.7	519.2	660.1	818.4	1018.1	1259.2	1540.2
30°	0.0	34.8	120.3	244.7	389.7	538.3	686.3	851.4	1064.4	1325.5	1629.1
27.5°	0.0	35.7	124.9	254.8	404.5	556.1	710.6	888.8	1111.7	1387.1	1711.9
25°	0.0	36.4	129.1	264.1	418.2	572.4	732.9	923.2	1161.8	1451.3	1789.2
22.5°	0.0	37.1	133.0	272.5	430.6	587.3	753.3	954.7	1207.5	1513.5	1879.5
20°	0.0	37.8	136.5	280.1	441.8	600.7	771.7	983.0	1248.8	1569.7	1961.1
17.5°	0.0	38.3	139.5	286.8	451.7	612.6	788.0	1008.1	1285.5	1619.6	2033.6
15°	0.0	38.8	142.2	292.7	460.4	622.9	802.2	1030.1	1317.4	1663.1	2096.9
12.5°	0.0	39.2	144.5	297.7	467.7	631.8	814.3	1048.7	1344.6	1700.2	2150.8
10°	0.0	39.6	146.4	301.8	473.7	639.0	824.2	1064.0	1367.0	1730.6	2195.2
7.5°	0.0	39.9	147.8	305.0	478.4	644.6	831.9	1076.0	1384.4	1754.4	2229.8
5°	0.0	40.0	148.9	307.3	481.8	648.7	837.5	1084.5	1396.9	1771.4	2254.6
2.5°	0.0	40.2	149.5	308.6	483.8	651.1	840.8	1089.7	1404.4	1781.7	2269.5
0°	0.0	40.2	149.7	309.1	484.5	651.9	841.9	1091.4	1406.9	1785.1	2274.5
-2.5°	0.0	40.2	149.5	308.6	483.8	651.1	840.8	1089.7	1404.4	1781.7	2269.5
-5°	0.0	40.0	148.9	307.3	481.8	648.7	837.5	1084.5	1396.9	1771.4	2254.6
-7.5°	0.0	39.9	147.8	305.0	478.4	644.6	831.9	1076.0	1384.4	1754.4	2229.8
-10°	0.0	39.6	146.4	301.8	473.7	639.0	824.2	1064.0	1367.0	1730.6	2195.2
-12.5°	0.0	39.2	144.5	297.7	467.7	631.8	814.3	1048.7	1344.6	1700.2	2150.8
-15°	0.0	38.8	142.2	292.7	460.4	622.9	802.2	1030.1	1317.4	1663.1	2096.9
-17.5°	0.0	38.3	139.5	286.8	451.7	612.6	788.0	1008.1	1285.5	1619.6	2033.6
-20°	0.0	37.8	136.5	280.1	441.8	600.7	771.7	983.0	1248.8	1569.7	1961.1

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	37.1	133.0	272.5	430.6	587.3	753.3	954.7	1207.5	1513.5	1879.5
-25°	0.0	36.4	129.1	264.1	418.2	572.4	732.9	923.2	1161.8	1451.3	1789.2
-27.5°	0.0	35.7	124.9	254.8	404.5	556.1	710.6	888.8	1111.7	1387.1	1711.9
-30°	0.0	34.8	120.3	244.7	389.7	538.3	686.3	851.4	1064.4	1325.5	1629.1
-32.5°	0.0	33.9	115.3	233.9	373.7	519.2	660.1	818.4	1018.1	1259.2	1540.2
-35°	0.0	32.9	110.0	222.2	356.6	498.7	634.5	785.7	968.7	1188.4	1445.4
-37.5°	0.0	31.9	104.4	209.9	338.5	476.6	608.3	750.8	916.2	1113.4	1355.1
-40°	0.0	30.8	98.4	196.8	319.2	452.5	580.6	714.1	860.8	1046.2	1266.8
-42.5°	0.0	29.6	92.1	183.0	299.9	427.1	551.5	675.4	811.9	980.4	1174.0
-45°	0.0	28.4	85.5	168.6	280.6	400.6	521.0	636.9	765.6	911.7	1080.2
-47.5°	0.0	27.2	78.6	153.5	260.5	372.8	489.2	599.8	717.2	840.6	1000.6
-50°	0.0	25.8	71.4	141.5	239.5	344.0	454.8	561.2	667.1	784.1	918.0
-52.5°	0.0	24.5	63.9	130.3	217.8	314.1	418.9	521.2	619.6	725.7	834.9
-55°	0.0	23.1	56.2	118.8	195.4	285.6	381.9	479.7	572.4	665.5	768.1
-57.5°	0.0	21.6	48.3	106.8	172.2	256.7	343.7	435.2	524.0	609.4	699.4
-60°	0.0	20.1	40.2	94.6	148.9	227.0	305.0	389.6	473.7	553.5	631.8
-62.5°	0.0	18.6	37.1	82.0	132.1	196.6	268.5	342.9	420.4	496.4	568.4
-65°	0.0	17.0	33.9	69.2	115.0	165.5	231.3	296.4	366.0	435.9	503.8
-67.5°	0.0	15.4	30.7	56.1	97.6	138.8	193.3	252.2	310.6	373.7	435.9
-70°	0.0	13.7	27.5	42.8	79.8	116.6	154.7	207.3	259.2	310.6	366.0
-72.5°	0.0	12.1	24.1	36.2	61.8	94.1	126.2	161.7	207.3	252.2	296.4
-75°	0.0	10.4	20.8	31.1	43.5	71.4	98.9	126.2	154.7	193.3	231.3
-77.5°	0.0	8.7	17.4	26.0	34.6	48.3	71.4	94.1	116.6	138.8	165.5
-80°	0.0	7.0	13.9	20.9	27.8	34.6	43.5	61.8	79.8	97.6	115.0
-82.5°	0.0	5.2	10.5	15.7	20.9	26.0	31.1	36.2	42.8	56.1	69.2
-85°	0.0	3.5	7.0	10.5	13.9	17.4	20.8	24.1	27.5	30.7	33.9
-87.5°	0.0	1.8	3.5	5.2	7.0	8.7	10.4	12.1	13.7	15.4	17.0
-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: P645504 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-730-U-LAM-XX

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°	18.6	20.1	21.6	23.1	24.5	25.8	27.2	28.4	29.6	30.8	31.9
85°	37.1	40.2	48.3	56.2	63.9	71.4	78.6	85.5	92.1	98.4	104.4
82.5°	82.0	94.6	106.8	118.8	130.3	141.5	153.5	168.6	183.0	196.8	209.9
80°	132.1	148.9	172.2	195.4	217.8	239.5	260.5	280.6	299.9	319.2	338.5
77.5°	196.6	227.0	256.7	285.6	314.1	344.0	372.8	400.6	427.1	452.5	476.6
75°	268.5	305.0	343.7	381.9	418.9	454.8	489.2	521.0	551.5	580.6	608.3
72.5°	342.9	389.6	435.2	479.7	521.2	561.2	599.8	636.9	675.4	714.1	750.8
70°	420.4	473.7	524.0	572.4	619.6	667.1	717.2	765.6	811.9	860.8	916.2
67.5°	496.4	553.5	609.4	665.5	725.7	784.1	840.6	911.7	980.4	1046.2	1113.4
65°	568.4	631.8	699.4	768.1	834.9	918.0	1000.6	1080.2	1174.0	1266.8	1355.1
62.5°	639.2	716.4	793.6	877.6	974.2	1068.0	1176.8	1287.9	1394.7	1515.1	1632.2
60°	716.4	802.2	900.2	1008.1	1119.3	1248.8	1374.4	1513.5	1653.7	1789.2	1955.5
57.5°	793.6	900.2	1019.5	1148.2	1292.3	1437.8	1601.2	1759.3	1949.0	2138.5	2327.0
55°	877.6	1008.1	1148.2	1306.9	1473.0	1654.2	1843.7	2064.5	2278.3	2516.5	2744.5
52.5°	974.2	1119.3	1292.3	1473.0	1671.9	1890.0	2134.5	2387.4	2653.7	2912.3	3165.9
50°	1068.0	1248.8	1437.8	1654.2	1890.0	2157.9	2442.3	2736.8	3027.5	3311.1	3576.7
47.5°	1176.8	1374.4	1601.2	1843.7	2134.5	2442.3	2764.6	3085.6	3399.1	3690.1	3968.7
45°	1287.9	1513.5	1759.3	2064.5	2387.4	2736.8	3085.6	3428.6	3747.2	4047.9	4310.9
42.5°	1394.7	1653.7	1949.0	2278.3	2653.7	3027.5	3399.1	3747.2	4073.6	4363.1	4627.3
40°	1515.1	1789.2	2138.5	2516.5	2912.3	3311.1	3690.1	4047.9	4363.1	4651.4	4919.0
37.5°	1632.2	1955.5	2327.0	2744.5	3165.9	3576.7	3968.7	4310.9	4627.3	4919.0	5175.6
35°	1743.5	2113.6	2527.3	2965.6	3408.0	3825.7	4207.2	4555.5	4869.9	5152.9	5415.3
32.5°	1867.2	2263.1	2716.8	3178.0	3628.5	4053.9	4432.1	4772.8	5085.4	5372.7	5633.3
30°	1994.8	2424.3	2896.7	3378.0	3835.7	4251.7	4629.3	4974.3	5284.4	5568.2	5823.6
27.5°	2113.6	2576.3	3068.4	3559.0	4024.9	4437.3	4809.8	5149.4	5461.3	5747.0	5994.6
25°	2223.4	2716.8	3227.3	3724.7	4184.2	4597.6	4973.4	5312.8	5622.9	5897.1	6137.8
22.5°	2331.8	2845.6	3372.8	3876.7	4330.6	4740.8	5113.2	5453.5	5763.8	6035.5	6266.4
20°	2437.1	2965.6	3501.3	4011.5	4463.4	4871.0	5240.5	5580.2	5882.2	6145.3	6375.1
17.5°	2530.9	3072.5	3613.7	4120.4	4572.6	4982.1	5353.2	5693.9	5988.8	6244.3	6469.0
15°	2612.8	3165.9	3712.0	4215.7	4666.6	5074.4	5445.5	5782.5	6075.4	6328.8	6551.8
12.5°	2682.5	3245.5	3795.8	4297.1	4746.8	5153.4	5524.6	5857.0	6144.9	6395.0	6613.3
10°	2739.9	3311.1	3864.9	4364.2	4813.1	5218.7	5590.0	5918.6	6202.5	6450.0	6664.4
7.5°	2784.8	3362.4	3918.9	4416.7	4864.9	5269.8	5641.3	5967.0	6247.8	6493.4	6704.8
5°	2816.9	3399.1	3957.7	4454.4	4902.2	5306.6	5678.2	6001.9	6280.5	6524.6	6734.0
2.5°	2836.2	3421.2	3981.0	4477.0	4924.6	5328.7	5700.5	6022.9	6300.2	6543.5	6751.6
0°	2842.7	3428.6	3988.8	4484.6	4932.1	5336.1	5707.9	6029.9	6306.8	6549.8	6757.5
-2.5°	2836.2	3421.2	3981.0	4477.0	4924.6	5328.7	5700.5	6022.9	6300.2	6543.5	6751.6
-5°	2816.9	3399.1	3957.7	4454.4	4902.2	5306.6	5678.2	6001.9	6280.5	6524.6	6734.0
-7.5°	2784.8	3362.4	3918.9	4416.7	4864.9	5269.8	5641.3	5967.0	6247.8	6493.4	6704.8
-10°	2739.9	3311.1	3864.9	4364.2	4813.1	5218.7	5590.0	5918.6	6202.5	6450.0	6664.4
-12.5°	2682.5	3245.5	3795.8	4297.1	4746.8	5153.4	5524.6	5857.0	6144.9	6395.0	6613.3
-15°	2612.8	3165.9	3712.0	4215.7	4666.6	5074.4	5445.5	5782.5	6075.4	6328.8	6551.8
-17.5°	2530.9	3072.5	3613.7	4120.4	4572.6	4982.1	5353.2	5693.9	5988.8	6244.3	6469.0
-20°	2437.1	2965.6	3501.3	4011.5	4463.4	4871.0	5240.5	5580.2	5882.2	6145.3	6375.1

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Scaled Data Report



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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°	2331.8	2845.6	3372.8	3876.7	4330.6	4740.8	5113.2	5453.5	5763.8	6035.5	6266.4
-25°	2223.4	2716.8	3227.3	3724.7	4184.2	4597.6	4973.4	5312.8	5622.9	5897.1	6137.8
-27.5°	2113.6	2576.3	3068.4	3559.0	4024.9	4437.3	4809.8	5149.4	5461.3	5747.0	5994.6
-30°	1994.8	2424.3	2896.7	3378.0	3835.7	4251.7	4629.3	4974.3	5284.4	5568.2	5823.6
-32.5°	1867.2	2263.1	2716.8	3178.0	3628.5	4053.9	4432.1	4772.8	5085.4	5372.7	5633.3
-35°	1743.5	2113.6	2527.3	2965.6	3408.0	3825.7	4207.2	4555.5	4869.9	5152.9	5415.3
-37.5°	1632.2	1955.5	2327.0	2744.5	3165.9	3576.7	3968.7	4310.9	4627.3	4919.0	5175.6
-40°	1515.1	1789.2	2138.5	2516.5	2912.3	3311.1	3690.1	4047.9	4363.1	4651.4	4919.0
-42.5°	1394.7	1653.7	1949.0	2278.3	2653.7	3027.5	3399.1	3747.2	4073.6	4363.1	4627.3
-45°	1287.9	1513.5	1759.3	2064.5	2387.4	2736.8	3085.6	3428.6	3747.2	4047.9	4310.9
-47.5°	1176.8	1374.4	1601.2	1843.7	2134.5	2442.3	2764.6	3085.6	3399.1	3690.1	3968.7
-50°	1068.0	1248.8	1437.8	1654.2	1890.0	2157.9	2442.3	2736.8	3027.5	3311.1	3576.7
-52.5°	974.2	1119.3	1292.3	1473.0	1671.9	1890.0	2134.5	2387.4	2653.7	2912.3	3165.9
-55°	877.6	1008.1	1148.2	1306.9	1473.0	1654.2	1843.7	2064.5	2278.3	2516.5	2744.5
-57.5°	793.6	900.2	1019.5	1148.2	1292.3	1437.8	1601.2	1759.3	1949.0	2138.5	2327.0
-60°	716.4	802.2	900.2	1008.1	1119.3	1248.8	1374.4	1513.5	1653.7	1789.2	1955.5
-62.5°	639.2	716.4	793.6	877.6	974.2	1068.0	1176.8	1287.9	1394.7	1515.1	1632.2
-65°	568.4	631.8	699.4	768.1	834.9	918.0	1000.6	1080.2	1174.0	1266.8	1355.1
-67.5°	496.4	553.5	609.4	665.5	725.7	784.1	840.6	911.7	980.4	1046.2	1113.4
-70°	420.4	473.7	524.0	572.4	619.6	667.1	717.2	765.6	811.9	860.8	916.2
-72.5°	342.9	389.6	435.2	479.7	521.2	561.2	599.8	636.9	675.4	714.1	750.8
-75°	268.5	305.0	343.7	381.9	418.9	454.8	489.2	521.0	551.5	580.6	608.3
-77.5°	196.6	227.0	256.7	285.6	314.1	344.0	372.8	400.6	427.1	452.5	476.6
-80°	132.1	148.9	172.2	195.4	217.8	239.5	260.5	280.6	299.9	319.2	338.5
-82.5°	82.0	94.6	106.8	118.8	130.3	141.5	153.5	168.6	183.0	196.8	209.9
-85°	37.1	40.2	48.3	56.2	63.9	71.4	78.6	85.5	92.1	98.4	104.4
-87.5°	18.6	20.1	21.6	23.1	24.5	25.8	27.2	28.4	29.6	30.8	31.9
-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: P645504 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	32.9	33.9	34.8	35.7	36.4	37.1	37.8	38.3	38.8	39.2	39.6
85°	110.0	115.3	120.3	124.9	129.1	133.0	136.5	139.5	142.2	144.5	146.4
82.5°	222.2	233.9	244.7	254.8	264.1	272.5	280.1	286.8	292.7	297.7	301.8
80°	356.6	373.7	389.7	404.5	418.2	430.6	441.8	451.7	460.4	467.7	473.7
77.5°	498.7	519.2	538.3	556.1	572.4	587.3	600.7	612.6	622.9	631.8	639.0
75°	634.5	660.1	686.3	710.6	732.9	753.3	771.7	788.0	802.2	814.3	824.2
72.5°	785.7	818.4	851.4	888.8	923.2	954.7	983.0	1008.1	1030.1	1048.7	1064.0
70°	968.7	1018.1	1064.4	1111.7	1161.8	1207.5	1248.8	1285.5	1317.4	1344.6	1367.0
67.5°	1188.4	1259.2	1325.5	1387.1	1451.3	1513.5	1569.7	1619.6	1663.1	1700.2	1730.6
65°	1445.4	1540.2	1629.1	1711.9	1789.2	1879.5	1961.1	2033.6	2096.9	2150.8	2195.2
62.5°	1743.5	1867.2	1994.8	2113.6	2223.4	2331.8	2437.1	2530.9	2612.8	2682.5	2739.9
60°	2113.6	2263.1	2424.3	2576.3	2716.8	2845.6	2965.6	3072.5	3165.9	3245.5	3311.1
57.5°	2527.3	2716.8	2896.7	3068.4	3227.3	3372.8	3501.3	3613.7	3712.0	3795.8	3864.9
55°	2965.6	3178.0	3378.0	3559.0	3724.7	3876.7	4011.5	4120.4	4215.7	4297.1	4364.2
52.5°	3408.0	3628.5	3835.7	4024.9	4184.2	4330.6	4463.4	4572.6	4666.6	4746.8	4813.1
50°	3825.7	4053.9	4251.7	4437.3	4597.6	4740.8	4871.0	4982.1	5074.4	5153.4	5218.7
47.5°	4207.2	4432.1	4629.3	4809.8	4973.4	5113.2	5240.5	5353.2	5445.5	5524.6	5590.0
45°	4555.5	4772.8	4974.3	5149.4	5312.8	5453.5	5580.2	5693.9	5782.5	5857.0	5918.6
42.5°	4869.9	5085.4	5284.4	5461.3	5622.9	5763.8	5882.2	5988.8	6075.4	6144.9	6202.5
40°	5152.9	5372.7	5568.2	5747.0	5897.1	6035.5	6145.3	6244.3	6328.8	6395.0	6450.0
37.5°	5415.3	5633.3	5823.6	5994.6	6137.8	6266.4	6375.1	6469.0	6551.8	6613.3	6664.4
35°	5655.1	5862.3	6050.6	6207.3	6349.2	6470.4	6577.3	6664.0	6741.0	6799.5	6846.2
32.5°	5862.3	6067.7	6242.5	6396.8	6535.3	6648.4	6751.1	6830.4	6900.2	6956.6	6999.9
30°	6050.6	6242.5	6412.8	6565.6	6691.9	6802.0	6894.4	6971.8	7036.4	7090.1	7128.2
27.5°	6207.3	6396.8	6565.6	6706.5	6827.3	6933.3	7017.9	7092.5	7148.8	7198.3	7231.1
25°	6349.2	6535.3	6691.9	6827.3	6944.6	7041.4	7121.9	7189.4	7239.4	7281.8	7306.2
22.5°	6470.4	6648.4	6802.0	6933.3	7041.4	7131.8	7207.7	7264.9	7305.8	7331.4	7345.9
20°	6577.3	6751.1	6894.4	7017.9	7121.9	7207.7	7273.6	7315.9	7344.4	7351.4	7355.6
17.5°	6664.0	6830.4	6971.8	7092.5	7189.4	7264.9	7315.9	7345.7	7354.3	7352.7	7348.5
15°	6741.0	6900.2	7036.4	7148.8	7239.4	7305.8	7344.4	7354.3	7351.7	7343.1	7329.9
12.5°	6799.5	6956.6	7090.1	7198.3	7281.8	7331.4	7351.4	7352.7	7343.1	7326.7	7307.8
10°	6846.2	6999.9	7128.2	7231.1	7306.2	7345.9	7355.6	7348.5	7329.9	7307.8	7286.9
7.5°	6883.0	7034.3	7158.6	7257.3	7322.2	7350.3	7352.4	7339.1	7316.8	7291.7	7269.1
5°	6909.7	7059.2	7180.6	7276.4	7333.9	7353.6	7350.1	7331.8	7305.9	7279.7	7259.0
2.5°	6925.9	7074.3	7194.0	7288.0	7341.0	7355.6	7348.7	7327.2	7299.0	7272.0	7252.4
0°	6931.3	7079.4	7198.5	7291.9	7343.4	7356.3	7348.2	7325.7	7296.7	7269.3	7250.0
-2.5°	6925.9	7074.3	7194.0	7288.0	7341.0	7355.6	7348.7	7327.2	7299.0	7272.0	7252.4
-5°	6909.7	7059.2	7180.6	7276.4	7333.9	7353.6	7350.1	7331.8	7305.9	7279.7	7259.0
-7.5°	6883.0	7034.3	7158.6	7257.3	7322.2	7350.3	7352.4	7339.1	7316.8	7291.7	7269.1
-10°	6846.2	6999.9	7128.2	7231.1	7306.2	7345.9	7355.6	7348.5	7329.9	7307.8	7286.9
-12.5°	6799.5	6956.6	7090.1	7198.3	7281.8	7331.4	7351.4	7352.7	7343.1	7326.7	7307.8
-15°	6741.0	6900.2	7036.4	7148.8	7239.4	7305.8	7344.4	7354.3	7351.7	7343.1	7329.9
-17.5°	6664.0	6830.4	6971.8	7092.5	7189.4	7264.9	7315.9	7345.7	7354.3	7352.7	7348.5
-20°	6577.3	6751.1	6894.4	7017.9	7121.9	7207.7	7273.6	7315.9	7344.4	7351.4	7355.6

Classified

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

Scaled Data Report



REPORT NUMBER: P645504 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6470.4	6648.4	6802.0	6933.3	7041.4	7131.8	7207.7	7264.9	7305.8	7331.4	7345.9
-25°	6349.2	6535.3	6691.9	6827.3	6944.6	7041.4	7121.9	7189.4	7239.4	7281.8	7306.2
-27.5°	6207.3	6396.8	6565.6	6706.5	6827.3	6933.3	7017.9	7092.5	7148.8	7198.3	7231.1
-30°	6050.6	6242.5	6412.8	6565.6	6691.9	6802.0	6894.4	6971.8	7036.4	7090.1	7128.2
-32.5°	5862.3	6067.7	6242.5	6396.8	6535.3	6648.4	6751.1	6830.4	6900.2	6956.6	6999.9
-35°	5655.1	5862.3	6050.6	6207.3	6349.2	6470.4	6577.3	6664.0	6741.0	6799.5	6846.2
-37.5°	5415.3	5633.3	5823.6	5994.6	6137.8	6266.4	6375.1	6469.0	6551.8	6613.3	6664.4
-40°	5152.9	5372.7	5568.2	5747.0	5897.1	6035.5	6145.3	6244.3	6328.8	6395.0	6450.0
-42.5°	4869.9	5085.4	5284.4	5461.3	5622.9	5763.8	5882.2	5988.8	6075.4	6144.9	6202.5
-45°	4555.5	4772.8	4974.3	5149.4	5312.8	5453.5	5580.2	5693.9	5782.5	5857.0	5918.6
-47.5°	4207.2	4432.1	4629.3	4809.8	4973.4	5113.2	5240.5	5353.2	5445.5	5524.6	5590.0
-50°	3825.7	4053.9	4251.7	4437.3	4597.6	4740.8	4871.0	4982.1	5074.4	5153.4	5218.7
-52.5°	3408.0	3628.5	3835.7	4024.9	4184.2	4330.6	4463.4	4572.6	4666.6	4746.8	4813.1
-55°	2965.6	3178.0	3378.0	3559.0	3724.7	3876.7	4011.5	4120.4	4215.7	4297.1	4364.2
-57.5°	2527.3	2716.8	2896.7	3068.4	3227.3	3372.8	3501.3	3613.7	3712.0	3795.8	3864.9
-60°	2113.6	2263.1	2424.3	2576.3	2716.8	2845.6	2965.6	3072.5	3165.9	3245.5	3311.1
-62.5°	1743.5	1867.2	1994.8	2113.6	2223.4	2331.8	2437.1	2530.9	2612.8	2682.5	2739.9
-65°	1445.4	1540.2	1629.1	1711.9	1789.2	1879.5	1961.1	2033.6	2096.9	2150.8	2195.2
-67.5°	1188.4	1259.2	1325.5	1387.1	1451.3	1513.5	1569.7	1619.6	1663.1	1700.2	1730.6
-70°	968.7	1018.1	1064.4	1111.7	1161.8	1207.5	1248.8	1285.5	1317.4	1344.6	1367.0
-72.5°	785.7	818.4	851.4	888.8	923.2	954.7	983.0	1008.1	1030.1	1048.7	1064.0
-75°	634.5	660.1	686.3	710.6	732.9	753.3	771.7	788.0	802.2	814.3	824.2
-77.5°	498.7	519.2	538.3	556.1	572.4	587.3	600.7	612.6	622.9	631.8	639.0
-80°	356.6	373.7	389.7	404.5	418.2	430.6	441.8	451.7	460.4	467.7	473.7
-82.5°	222.2	233.9	244.7	254.8	264.1	272.5	280.1	286.8	292.7	297.7	301.8
-85°	110.0	115.3	120.3	124.9	129.1	133.0	136.5	139.5	142.2	144.5	146.4
-87.5°	32.9	33.9	34.8	35.7	36.4	37.1	37.8	38.3	38.8	39.2	39.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P645504 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	39.9	40.0	40.2	40.2	40.2	40.0	39.9	39.6	39.2	38.8	38.3
85°	147.8	148.9	149.5	149.7	149.5	148.9	147.8	146.4	144.5	142.2	139.5
82.5°	305.0	307.3	308.6	309.1	308.6	307.3	305.0	301.8	297.7	292.7	286.8
80°	478.4	481.8	483.8	484.5	483.8	481.8	478.4	473.7	467.7	460.4	451.7
77.5°	644.6	648.7	651.1	651.9	651.1	648.7	644.6	639.0	631.8	622.9	612.6
75°	831.9	837.5	840.8	841.9	840.8	837.5	831.9	824.2	814.3	802.2	788.0
72.5°	1076.0	1084.5	1089.7	1091.4	1089.7	1084.5	1076.0	1064.0	1048.7	1030.1	1008.1
70°	1384.4	1396.9	1404.4	1406.9	1404.4	1396.9	1384.4	1367.0	1344.6	1317.4	1285.5
67.5°	1754.4	1771.4	1781.7	1785.1	1781.7	1771.4	1754.4	1730.6	1700.2	1663.1	1619.6
65°	2229.8	2254.6	2269.5	2274.5	2269.5	2254.6	2229.8	2195.2	2150.8	2096.9	2033.6
62.5°	2784.8	2816.9	2836.2	2842.7	2836.2	2816.9	2784.8	2739.9	2682.5	2612.8	2530.9
60°	3362.4	3399.1	3421.2	3428.6	3421.2	3399.1	3362.4	3311.1	3245.5	3165.9	3072.5
57.5°	3918.9	3957.7	3981.0	3988.8	3981.0	3957.7	3918.9	3864.9	3795.8	3712.0	3613.7
55°	4416.7	4454.4	4477.0	4484.6	4477.0	4454.4	4416.7	4364.2	4297.1	4215.7	4120.4
52.5°	4864.9	4902.2	4924.6	4932.1	4924.6	4902.2	4864.9	4813.1	4746.8	4666.6	4572.6
50°	5269.8	5306.6	5328.7	5336.1	5328.7	5306.6	5269.8	5218.7	5153.4	5074.4	4982.1
47.5°	5641.3	5678.2	5700.5	5707.9	5700.5	5678.2	5641.3	5590.0	5524.6	5445.5	5353.2
45°	5967.0	6001.9	6022.9	6029.9	6022.9	6001.9	5967.0	5918.6	5857.0	5782.5	5693.9
42.5°	6247.8	6280.5	6300.2	6306.8	6300.2	6280.5	6247.8	6202.5	6144.9	6075.4	5988.8
40°	6493.4	6524.6	6543.5	6549.8	6543.5	6524.6	6493.4	6450.0	6395.0	6328.8	6244.3
37.5°	6704.8	6734.0	6751.6	6757.5	6751.6	6734.0	6704.8	6664.4	6613.3	6551.8	6469.0
35°	6883.0	6909.7	6925.9	6931.3	6925.9	6909.7	6883.0	6846.2	6799.5	6741.0	6664.0
32.5°	7034.3	7059.2	7074.3	7079.4	7074.3	7059.2	7034.3	6999.9	6956.6	6900.2	6830.4
30°	7158.6	7180.6	7194.0	7198.5	7194.0	7180.6	7158.6	7128.2	7090.1	7036.4	6971.8
27.5°	7257.3	7276.4	7288.0	7291.9	7288.0	7276.4	7257.3	7231.1	7198.3	7148.8	7092.5
25°	7322.2	7333.9	7341.0	7343.4	7341.0	7333.9	7322.2	7306.2	7281.8	7239.4	7189.4
22.5°	7350.3	7353.6	7355.6	7356.3	7355.6	7353.6	7350.3	7345.9	7331.4	7305.8	7264.9
20°	7352.4	7350.1	7348.7	7348.2	7348.7	7350.1	7352.4	7355.6	7351.4	7344.4	7315.9
17.5°	7339.1	7331.8	7327.2	7325.7	7327.2	7331.8	7339.1	7348.5	7352.7	7354.3	7345.7
15°	7316.8	7305.9	7299.0	7296.7	7299.0	7305.9	7316.8	7329.9	7343.1	7351.7	7354.3
12.5°	7291.7	7279.7	7272.0	7269.3	7272.0	7279.7	7291.7	7307.8	7326.7	7343.1	7352.7
10°	7269.1	7259.0	7252.4	7250.0	7252.4	7259.0	7269.1	7286.9	7307.8	7329.9	7348.5
7.5°	7254.6	7245.5	7240.6	7238.8	7240.6	7245.5	7254.6	7269.1	7291.7	7316.8	7339.1
5°	7245.5	7236.6	7228.9	7225.9	7228.9	7236.6	7245.5	7259.0	7279.7	7305.9	7331.8
2.5°	7240.6	7228.9	7217.4	7211.4	7217.4	7228.9	7240.6	7252.4	7272.0	7299.0	7327.2
0°	7238.8	7225.9	7211.4	7213.0	7211.4	7225.9	7238.8	7250.0	7269.3	7296.7	7325.7
-2.5°	7240.6	7228.9	7217.4	7211.4	7217.4	7228.9	7240.6	7252.4	7272.0	7299.0	7327.2
-5°	7245.5	7236.6	7228.9	7225.9	7228.9	7236.6	7245.5	7259.0	7279.7	7305.9	7331.8
-7.5°	7254.6	7245.5	7240.6	7238.8	7240.6	7245.5	7254.6	7269.1	7291.7	7316.8	7339.1
-10°	7269.1	7259.0	7252.4	7250.0	7252.4	7259.0	7269.1	7286.9	7307.8	7329.9	7348.5
-12.5°	7291.7	7279.7	7272.0	7269.3	7272.0	7279.7	7291.7	7307.8	7326.7	7343.1	7352.7
-15°	7316.8	7305.9	7299.0	7296.7	7299.0	7305.9	7316.8	7329.9	7343.1	7351.7	7354.3
-17.5°	7339.1	7331.8	7327.2	7325.7	7327.2	7331.8	7339.1	7348.5	7352.7	7354.3	7345.7
-20°	7352.4	7350.1	7348.7	7348.2	7348.7	7350.1	7352.4	7355.6	7351.4	7344.4	7315.9

Classified

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

Scaled Data Report



REPORT NUMBER: P645504 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7350.3	7353.6	7355.6	7356.3	7355.6	7353.6	7350.3	7345.9	7331.4	7305.8	7264.9
-25°	7322.2	7333.9	7341.0	7343.4	7341.0	7333.9	7322.2	7306.2	7281.8	7239.4	7189.4
-27.5°	7257.3	7276.4	7288.0	7291.9	7288.0	7276.4	7257.3	7231.1	7198.3	7148.8	7092.5
-30°	7158.6	7180.6	7194.0	7198.5	7194.0	7180.6	7158.6	7128.2	7090.1	7036.4	6971.8
-32.5°	7034.3	7059.2	7074.3	7079.4	7074.3	7059.2	7034.3	6999.9	6956.6	6900.2	6830.4
-35°	6883.0	6909.7	6925.9	6931.3	6925.9	6909.7	6883.0	6846.2	6799.5	6741.0	6664.0
-37.5°	6704.8	6734.0	6751.6	6757.5	6751.6	6734.0	6704.8	6664.4	6613.3	6551.8	6469.0
-40°	6493.4	6524.6	6543.5	6549.8	6543.5	6524.6	6493.4	6450.0	6395.0	6328.8	6244.3
-42.5°	6247.8	6280.5	6300.2	6306.8	6300.2	6280.5	6247.8	6202.5	6144.9	6075.4	5988.8
-45°	5967.0	6001.9	6022.9	6029.9	6022.9	6001.9	5967.0	5918.6	5857.0	5782.5	5693.9
-47.5°	5641.3	5678.2	5700.5	5707.9	5700.5	5678.2	5641.3	5590.0	5524.6	5445.5	5353.2
-50°	5269.8	5306.6	5328.7	5336.1	5328.7	5306.6	5269.8	5218.7	5153.4	5074.4	4982.1
-52.5°	4864.9	4902.2	4924.6	4932.1	4924.6	4902.2	4864.9	4813.1	4746.8	4666.6	4572.6
-55°	4416.7	4454.4	4477.0	4484.6	4477.0	4454.4	4416.7	4364.2	4297.1	4215.7	4120.4
-57.5°	3918.9	3957.7	3981.0	3988.8	3981.0	3957.7	3918.9	3864.9	3795.8	3712.0	3613.7
-60°	3362.4	3399.1	3421.2	3428.6	3421.2	3399.1	3362.4	3311.1	3245.5	3165.9	3072.5
-62.5°	2784.8	2816.9	2836.2	2842.7	2836.2	2816.9	2784.8	2739.9	2682.5	2612.8	2530.9
-65°	2229.8	2254.6	2269.5	2274.5	2269.5	2254.6	2229.8	2195.2	2150.8	2096.9	2033.6
-67.5°	1754.4	1771.4	1781.7	1785.1	1781.7	1771.4	1754.4	1730.6	1700.2	1663.1	1619.6
-70°	1384.4	1396.9	1404.4	1406.9	1404.4	1396.9	1384.4	1367.0	1344.6	1317.4	1285.5
-72.5°	1076.0	1084.5	1089.7	1091.4	1089.7	1084.5	1076.0	1064.0	1048.7	1030.1	1008.1
-75°	831.9	837.5	840.8	841.9	840.8	837.5	831.9	824.2	814.3	802.2	788.0
-77.5°	644.6	648.7	651.1	651.9	651.1	648.7	644.6	639.0	631.8	622.9	612.6
-80°	478.4	481.8	483.8	484.5	483.8	481.8	478.4	473.7	467.7	460.4	451.7
-82.5°	305.0	307.3	308.6	309.1	308.6	307.3	305.0	301.8	297.7	292.7	286.8
-85°	147.8	148.9	149.5	149.7	149.5	148.9	147.8	146.4	144.5	142.2	139.5
-87.5°	39.9	40.0	40.2	40.2	40.2	40.0	39.9	39.6	39.2	38.8	38.3
-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: P645504 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	37.8	37.1	36.4	35.7	34.8	33.9	32.9	31.9	30.8	29.6	28.4
85°	136.5	133.0	129.1	124.9	120.3	115.3	110.0	104.4	98.4	92.1	85.5
82.5°	280.1	272.5	264.1	254.8	244.7	233.9	222.2	209.9	196.8	183.0	168.6
80°	441.8	430.6	418.2	404.5	389.7	373.7	356.6	338.5	319.2	299.9	280.6
77.5°	600.7	587.3	572.4	556.1	538.3	519.2	498.7	476.6	452.5	427.1	400.6
75°	771.7	753.3	732.9	710.6	686.3	660.1	634.5	608.3	580.6	551.5	521.0
72.5°	983.0	954.7	923.2	888.8	851.4	818.4	785.7	750.8	714.1	675.4	636.9
70°	1248.8	1207.5	1161.8	1111.7	1064.4	1018.1	968.7	916.2	860.8	811.9	765.6
67.5°	1569.7	1513.5	1451.3	1387.1	1325.5	1259.2	1188.4	1113.4	1046.2	980.4	911.7
65°	1961.1	1879.5	1789.2	1711.9	1629.1	1540.2	1445.4	1355.1	1266.8	1174.0	1080.2
62.5°	2437.1	2331.8	2223.4	2113.6	1994.8	1867.2	1743.5	1632.2	1515.1	1394.7	1287.9
60°	2965.6	2845.6	2716.8	2576.3	2424.3	2263.1	2113.6	1955.5	1789.2	1653.7	1513.5
57.5°	3501.3	3372.8	3227.3	3068.4	2896.7	2716.8	2527.3	2327.0	2138.5	1949.0	1759.3
55°	4011.5	3876.7	3724.7	3559.0	3378.0	3178.0	2965.6	2744.5	2516.5	2278.3	2064.5
52.5°	4463.4	4330.6	4184.2	4024.9	3835.7	3628.5	3408.0	3165.9	2912.3	2653.7	2387.4
50°	4871.0	4740.8	4597.6	4437.3	4251.7	4053.9	3825.7	3576.7	3311.1	3027.5	2736.8
47.5°	5240.5	5113.2	4973.4	4809.8	4629.3	4432.1	4207.2	3968.7	3690.1	3399.1	3085.6
45°	5580.2	5453.5	5312.8	5149.4	4974.3	4772.8	4555.5	4310.9	4047.9	3747.2	3428.6
42.5°	5882.2	5763.8	5622.9	5461.3	5284.4	5085.4	4869.9	4627.3	4363.1	4073.6	3747.2
40°	6145.3	6035.5	5897.1	5747.0	5568.2	5372.7	5152.9	4919.0	4651.4	4363.1	4047.9
37.5°	6375.1	6266.4	6137.8	5994.6	5823.6	5633.3	5415.3	5175.6	4919.0	4627.3	4310.9
35°	6577.3	6470.4	6349.2	6207.3	6050.6	5862.3	5655.1	5415.3	5152.9	4869.9	4555.5
32.5°	6751.1	6648.4	6535.3	6396.8	6242.5	6067.7	5862.3	5633.3	5372.7	5085.4	4772.8
30°	6894.4	6802.0	6691.9	6565.6	6412.8	6242.5	6050.6	5823.6	5568.2	5284.4	4974.3
27.5°	7017.9	6933.3	6827.3	6706.5	6565.6	6396.8	6207.3	5994.6	5747.0	5461.3	5149.4
25°	7121.9	7041.4	6944.6	6827.3	6691.9	6535.3	6349.2	6137.8	5897.1	5622.9	5312.8
22.5°	7207.7	7131.8	7041.4	6933.3	6802.0	6648.4	6470.4	6266.4	6035.5	5763.8	5453.5
20°	7273.6	7207.7	7121.9	7017.9	6894.4	6751.1	6577.3	6375.1	6145.3	5882.2	5580.2
17.5°	7315.9	7264.9	7189.4	7092.5	6971.8	6830.4	6664.0	6469.0	6244.3	5988.8	5693.9
15°	7344.4	7305.8	7239.4	7148.8	7036.4	6900.2	6741.0	6551.8	6328.8	6075.4	5782.5
12.5°	7351.4	7331.4	7281.8	7198.3	7090.1	6956.6	6799.5	6613.3	6395.0	6144.9	5857.0
10°	7355.6	7345.9	7306.2	7231.1	7128.2	6999.9	6846.2	6664.4	6450.0	6202.5	5918.6
7.5°	7352.4	7350.3	7322.2	7257.3	7158.6	7034.3	6883.0	6704.8	6493.4	6247.8	5967.0
5°	7350.1	7353.6	7333.9	7276.4	7180.6	7059.2	6909.7	6734.0	6524.6	6280.5	6001.9
2.5°	7348.7	7355.6	7341.0	7288.0	7194.0	7074.3	6925.9	6751.6	6543.5	6300.2	6022.9
0°	7348.2	7356.3	7343.4	7291.9	7198.5	7079.4	6931.3	6757.5	6549.8	6306.8	6029.9
-2.5°	7348.7	7355.6	7341.0	7288.0	7194.0	7074.3	6925.9	6751.6	6543.5	6300.2	6022.9
-5°	7350.1	7353.6	7333.9	7276.4	7180.6	7059.2	6909.7	6734.0	6524.6	6280.5	6001.9
-7.5°	7352.4	7350.3	7322.2	7257.3	7158.6	7034.3	6883.0	6704.8	6493.4	6247.8	5967.0
-10°	7355.6	7345.9	7306.2	7231.1	7128.2	6999.9	6846.2	6664.4	6450.0	6202.5	5918.6
-12.5°	7351.4	7331.4	7281.8	7198.3	7090.1	6956.6	6799.5	6613.3	6395.0	6144.9	5857.0
-15°	7344.4	7305.8	7239.4	7148.8	7036.4	6900.2	6741.0	6551.8	6328.8	6075.4	5782.5
-17.5°	7315.9	7264.9	7189.4	7092.5	6971.8	6830.4	6664.0	6469.0	6244.3	5988.8	5693.9
-20°	7273.6	7207.7	7121.9	7017.9	6894.4	6751.1	6577.3	6375.1	6145.3	5882.2	5580.2

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REPORT NUMBER: P645504 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7207.7	7131.8	7041.4	6933.3	6802.0	6648.4	6470.4	6266.4	6035.5	5763.8	5453.5
-25°	7121.9	7041.4	6944.6	6827.3	6691.9	6535.3	6349.2	6137.8	5897.1	5622.9	5312.8
-27.5°	7017.9	6933.3	6827.3	6706.5	6565.6	6396.8	6207.3	5994.6	5747.0	5461.3	5149.4
-30°	6894.4	6802.0	6691.9	6565.6	6412.8	6242.5	6050.6	5823.6	5568.2	5284.4	4974.3
-32.5°	6751.1	6648.4	6535.3	6396.8	6242.5	6067.7	5862.3	5633.3	5372.7	5085.4	4772.8
-35°	6577.3	6470.4	6349.2	6207.3	6050.6	5862.3	5655.1	5415.3	5152.9	4869.9	4555.5
-37.5°	6375.1	6266.4	6137.8	5994.6	5823.6	5633.3	5415.3	5175.6	4919.0	4627.3	4310.9
-40°	6145.3	6035.5	5897.1	5747.0	5568.2	5372.7	5152.9	4919.0	4651.4	4363.1	4047.9
-42.5°	5882.2	5763.8	5622.9	5461.3	5284.4	5085.4	4869.9	4627.3	4363.1	4073.6	3747.2
-45°	5580.2	5453.5	5312.8	5149.4	4974.3	4772.8	4555.5	4310.9	4047.9	3747.2	3428.6
-47.5°	5240.5	5113.2	4973.4	4809.8	4629.3	4432.1	4207.2	3968.7	3690.1	3399.1	3085.6
-50°	4871.0	4740.8	4597.6	4437.3	4251.7	4053.9	3825.7	3576.7	3311.1	3027.5	2736.8
-52.5°	4463.4	4330.6	4184.2	4024.9	3835.7	3628.5	3408.0	3165.9	2912.3	2653.7	2387.4
-55°	4011.5	3876.7	3724.7	3559.0	3378.0	3178.0	2965.6	2744.5	2516.5	2278.3	2064.5
-57.5°	3501.3	3372.8	3227.3	3068.4	2896.7	2716.8	2527.3	2327.0	2138.5	1949.0	1759.3
-60°	2965.6	2845.6	2716.8	2576.3	2424.3	2263.1	2113.6	1955.5	1789.2	1653.7	1513.5
-62.5°	2437.1	2331.8	2223.4	2113.6	1994.8	1867.2	1743.5	1632.2	1515.1	1394.7	1287.9
-65°	1961.1	1879.5	1789.2	1711.9	1629.1	1540.2	1445.4	1355.1	1266.8	1174.0	1080.2
-67.5°	1569.7	1513.5	1451.3	1387.1	1325.5	1259.2	1188.4	1113.4	1046.2	980.4	911.7
-70°	1248.8	1207.5	1161.8	1111.7	1064.4	1018.1	968.7	916.2	860.8	811.9	765.6
-72.5°	983.0	954.7	923.2	888.8	851.4	818.4	785.7	750.8	714.1	675.4	636.9
-75°	771.7	753.3	732.9	710.6	686.3	660.1	634.5	608.3	580.6	551.5	521.0
-77.5°	600.7	587.3	572.4	556.1	538.3	519.2	498.7	476.6	452.5	427.1	400.6
-80°	441.8	430.6	418.2	404.5	389.7	373.7	356.6	338.5	319.2	299.9	280.6
-82.5°	280.1	272.5	264.1	254.8	244.7	233.9	222.2	209.9	196.8	183.0	168.6
-85°	136.5	133.0	129.1	124.9	120.3	115.3	110.0	104.4	98.4	92.1	85.5
-87.5°	37.8	37.1	36.4	35.7	34.8	33.9	32.9	31.9	30.8	29.6	28.4
-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: P645504 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-730-U-LAM-XX

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	27.2	25.8	24.5	23.1	21.6	20.1	18.6	17.0	15.4	13.7	12.1
85°	78.6	71.4	63.9	56.2	48.3	40.2	37.1	33.9	30.7	27.5	24.1
82.5°	153.5	141.5	130.3	118.8	106.8	94.6	82.0	69.2	56.1	42.8	36.2
80°	260.5	239.5	217.8	195.4	172.2	148.9	132.1	115.0	97.6	79.8	61.8
77.5°	372.8	344.0	314.1	285.6	256.7	227.0	196.6	165.5	138.8	116.6	94.1
75°	489.2	454.8	418.9	381.9	343.7	305.0	268.5	231.3	193.3	154.7	126.2
72.5°	599.8	561.2	521.2	479.7	435.2	389.6	342.9	296.4	252.2	207.3	161.7
70°	717.2	667.1	619.6	572.4	524.0	473.7	420.4	366.0	310.6	259.2	207.3
67.5°	840.6	784.1	725.7	665.5	609.4	553.5	496.4	435.9	373.7	310.6	252.2
65°	1000.6	918.0	834.9	768.1	699.4	631.8	568.4	503.8	435.9	366.0	296.4
62.5°	1176.8	1068.0	974.2	877.6	793.6	716.4	639.2	568.4	496.4	420.4	342.9
60°	1374.4	1248.8	1119.3	1008.1	900.2	802.2	716.4	631.8	553.5	473.7	389.6
57.5°	1601.2	1437.8	1292.3	1148.2	1019.5	900.2	793.6	699.4	609.4	524.0	435.2
55°	1843.7	1654.2	1473.0	1306.9	1148.2	1008.1	877.6	768.1	665.5	572.4	479.7
52.5°	2134.5	1890.0	1671.9	1473.0	1292.3	1119.3	974.2	834.9	725.7	619.6	521.2
50°	2442.3	2157.9	1890.0	1654.2	1437.8	1248.8	1068.0	918.0	784.1	667.1	561.2
47.5°	2764.6	2442.3	2134.5	1843.7	1601.2	1374.4	1176.8	1000.6	840.6	717.2	599.8
45°	3085.6	2736.8	2387.4	2064.5	1759.3	1513.5	1287.9	1080.2	911.7	765.6	636.9
42.5°	3399.1	3027.5	2653.7	2278.3	1949.0	1653.7	1394.7	1174.0	980.4	811.9	675.4
40°	3690.1	3311.1	2912.3	2516.5	2138.5	1789.2	1515.1	1266.8	1046.2	860.8	714.1
37.5°	3968.7	3576.7	3165.9	2744.5	2327.0	1955.5	1632.2	1355.1	1113.4	916.2	750.8
35°	4207.2	3825.7	3408.0	2965.6	2527.3	2113.6	1743.5	1445.4	1188.4	968.7	785.7
32.5°	4432.1	4053.9	3628.5	3178.0	2716.8	2263.1	1867.2	1540.2	1259.2	1018.1	818.4
30°	4629.3	4251.7	3835.7	3378.0	2896.7	2424.3	1994.8	1629.1	1325.5	1064.4	851.4
27.5°	4809.8	4437.3	4024.9	3559.0	3068.4	2576.3	2113.6	1711.9	1387.1	1111.7	888.8
25°	4973.4	4597.6	4184.2	3724.7	3227.3	2716.8	2223.4	1789.2	1451.3	1161.8	923.2
22.5°	5113.2	4740.8	4330.6	3876.7	3372.8	2845.6	2331.8	1879.5	1513.5	1207.5	954.7
20°	5240.5	4871.0	4463.4	4011.5	3501.3	2965.6	2437.1	1961.1	1569.7	1248.8	983.0
17.5°	5353.2	4982.1	4572.6	4120.4	3613.7	3072.5	2530.9	2033.6	1619.6	1285.5	1008.1
15°	5445.5	5074.4	4666.6	4215.7	3712.0	3165.9	2612.8	2096.9	1663.1	1317.4	1030.1
12.5°	5524.6	5153.4	4746.8	4297.1	3795.8	3245.5	2682.5	2150.8	1700.2	1344.6	1048.7
10°	5590.0	5218.7	4813.1	4364.2	3864.9	3311.1	2739.9	2195.2	1730.6	1367.0	1064.0
7.5°	5641.3	5269.8	4864.9	4416.7	3918.9	3362.4	2784.8	2229.8	1754.4	1384.4	1076.0
5°	5678.2	5306.6	4902.2	4454.4	3957.7	3399.1	2816.9	2254.6	1771.4	1396.9	1084.5
2.5°	5700.5	5328.7	4924.6	4477.0	3981.0	3421.2	2836.2	2269.5	1781.7	1404.4	1089.7
0°	5707.9	5336.1	4932.1	4484.6	3988.8	3428.6	2842.7	2274.5	1785.1	1406.9	1091.4
-2.5°	5700.5	5328.7	4924.6	4477.0	3981.0	3421.2	2836.2	2269.5	1781.7	1404.4	1089.7
-5°	5678.2	5306.6	4902.2	4454.4	3957.7	3399.1	2816.9	2254.6	1771.4	1396.9	1084.5
-7.5°	5641.3	5269.8	4864.9	4416.7	3918.9	3362.4	2784.8	2229.8	1754.4	1384.4	1076.0
-10°	5590.0	5218.7	4813.1	4364.2	3864.9	3311.1	2739.9	2195.2	1730.6	1367.0	1064.0
-12.5°	5524.6	5153.4	4746.8	4297.1	3795.8	3245.5	2682.5	2150.8	1700.2	1344.6	1048.7
-15°	5445.5	5074.4	4666.6	4215.7	3712.0	3165.9	2612.8	2096.9	1663.1	1317.4	1030.1
-17.5°	5353.2	4982.1	4572.6	4120.4	3613.7	3072.5	2530.9	2033.6	1619.6	1285.5	1008.1
-20°	5240.5	4871.0	4463.4	4011.5	3501.3	2965.6	2437.1	1961.1	1569.7	1248.8	983.0



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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°	5113.2	4740.8	4330.6	3876.7	3372.8	2845.6	2331.8	1879.5	1513.5	1207.5	954.7
-25°	4973.4	4597.6	4184.2	3724.7	3227.3	2716.8	2223.4	1789.2	1451.3	1161.8	923.2
-27.5°	4809.8	4437.3	4024.9	3559.0	3068.4	2576.3	2113.6	1711.9	1387.1	1111.7	888.8
-30°	4629.3	4251.7	3835.7	3378.0	2896.7	2424.3	1994.8	1629.1	1325.5	1064.4	851.4
-32.5°	4432.1	4053.9	3628.5	3178.0	2716.8	2263.1	1867.2	1540.2	1259.2	1018.1	818.4
-35°	4207.2	3825.7	3408.0	2965.6	2527.3	2113.6	1743.5	1445.4	1188.4	968.7	785.7
-37.5°	3968.7	3576.7	3165.9	2744.5	2327.0	1955.5	1632.2	1355.1	1113.4	916.2	750.8
-40°	3690.1	3311.1	2912.3	2516.5	2138.5	1789.2	1515.1	1266.8	1046.2	860.8	714.1
-42.5°	3399.1	3027.5	2653.7	2278.3	1949.0	1653.7	1394.7	1174.0	980.4	811.9	675.4
-45°	3085.6	2736.8	2387.4	2064.5	1759.3	1513.5	1287.9	1080.2	911.7	765.6	636.9
-47.5°	2764.6	2442.3	2134.5	1843.7	1601.2	1374.4	1176.8	1000.6	840.6	717.2	599.8
-50°	2442.3	2157.9	1890.0	1654.2	1437.8	1248.8	1068.0	918.0	784.1	667.1	561.2
-52.5°	2134.5	1890.0	1671.9	1473.0	1292.3	1119.3	974.2	834.9	725.7	619.6	521.2
-55°	1843.7	1654.2	1473.0	1306.9	1148.2	1008.1	877.6	768.1	665.5	572.4	479.7
-57.5°	1601.2	1437.8	1292.3	1148.2	1019.5	900.2	793.6	699.4	609.4	524.0	435.2
-60°	1374.4	1248.8	1119.3	1008.1	900.2	802.2	716.4	631.8	553.5	473.7	389.6
-62.5°	1176.8	1068.0	974.2	877.6	793.6	716.4	639.2	568.4	496.4	420.4	342.9
-65°	1000.6	918.0	834.9	768.1	699.4	631.8	568.4	503.8	435.9	366.0	296.4
-67.5°	840.6	784.1	725.7	665.5	609.4	553.5	496.4	435.9	373.7	310.6	252.2
-70°	717.2	667.1	619.6	572.4	524.0	473.7	420.4	366.0	310.6	259.2	207.3
-72.5°	599.8	561.2	521.2	479.7	435.2	389.6	342.9	296.4	252.2	207.3	161.7
-75°	489.2	454.8	418.9	381.9	343.7	305.0	268.5	231.3	193.3	154.7	126.2
-77.5°	372.8	344.0	314.1	285.6	256.7	227.0	196.6	165.5	138.8	116.6	94.1
-80°	260.5	239.5	217.8	195.4	172.2	148.9	132.1	115.0	97.6	79.8	61.8
-82.5°	153.5	141.5	130.3	118.8	106.8	94.6	82.0	69.2	56.1	42.8	36.2
-85°	78.6	71.4	63.9	56.2	48.3	40.2	37.1	33.9	30.7	27.5	24.1
-87.5°	27.2	25.8	24.5	23.1	21.6	20.1	18.6	17.0	15.4	13.7	12.1
-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°	10.4	8.7	7.0	5.2	3.5	1.8	0.0
85°	20.8	17.4	13.9	10.5	7.0	3.5	0.0
82.5°	31.1	26.0	20.9	15.7	10.5	5.2	0.0
80°	43.5	34.6	27.8	20.9	13.9	7.0	0.0
77.5°	71.4	48.3	34.6	26.0	17.4	8.7	0.0
75°	98.9	71.4	43.5	31.1	20.8	10.4	0.0
72.5°	126.2	94.1	61.8	36.2	24.1	12.1	0.0
70°	154.7	116.6	79.8	42.8	27.5	13.7	0.0
67.5°	193.3	138.8	97.6	56.1	30.7	15.4	0.0
65°	231.3	165.5	115.0	69.2	33.9	17.0	0.0
62.5°	268.5	196.6	132.1	82.0	37.1	18.6	0.0
60°	305.0	227.0	148.9	94.6	40.2	20.1	0.0
57.5°	343.7	256.7	172.2	106.8	48.3	21.6	0.0
55°	381.9	285.6	195.4	118.8	56.2	23.1	0.0
52.5°	418.9	314.1	217.8	130.3	63.9	24.5	0.0
50°	454.8	344.0	239.5	141.5	71.4	25.8	0.0
47.5°	489.2	372.8	260.5	153.5	78.6	27.2	0.0
45°	521.0	400.6	280.6	168.6	85.5	28.4	0.0
42.5°	551.5	427.1	299.9	183.0	92.1	29.6	0.0
40°	580.6	452.5	319.2	196.8	98.4	30.8	0.0
37.5°	608.3	476.6	338.5	209.9	104.4	31.9	0.0
35°	634.5	498.7	356.6	222.2	110.0	32.9	0.0
32.5°	660.1	519.2	373.7	233.9	115.3	33.9	0.0
30°	686.3	538.3	389.7	244.7	120.3	34.8	0.0
27.5°	710.6	556.1	404.5	254.8	124.9	35.7	0.0
25°	732.9	572.4	418.2	264.1	129.1	36.4	0.0
22.5°	753.3	587.3	430.6	272.5	133.0	37.1	0.0
20°	771.7	600.7	441.8	280.1	136.5	37.8	0.0
17.5°	788.0	612.6	451.7	286.8	139.5	38.3	0.0
15°	802.2	622.9	460.4	292.7	142.2	38.8	0.0
12.5°	814.3	631.8	467.7	297.7	144.5	39.2	0.0
10°	824.2	639.0	473.7	301.8	146.4	39.6	0.0
7.5°	831.9	644.6	478.4	305.0	147.8	39.9	0.0
5°	837.5	648.7	481.8	307.3	148.9	40.0	0.0
2.5°	840.8	651.1	483.8	308.6	149.5	40.2	0.0
0°	841.9	651.9	484.5	309.1	149.7	40.2	0.0
-2.5°	840.8	651.1	483.8	308.6	149.5	40.2	0.0
-5°	837.5	648.7	481.8	307.3	148.9	40.0	0.0
-7.5°	831.9	644.6	478.4	305.0	147.8	39.9	0.0
-10°	824.2	639.0	473.7	301.8	146.4	39.6	0.0
-12.5°	814.3	631.8	467.7	297.7	144.5	39.2	0.0
-15°	802.2	622.9	460.4	292.7	142.2	38.8	0.0
-17.5°	788.0	612.6	451.7	286.8	139.5	38.3	0.0
-20°	771.7	600.7	441.8	280.1	136.5	37.8	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	753.3	587.3	430.6	272.5	133.0	37.1	0.0
-25°	732.9	572.4	418.2	264.1	129.1	36.4	0.0
-27.5°	710.6	556.1	404.5	254.8	124.9	35.7	0.0
-30°	686.3	538.3	389.7	244.7	120.3	34.8	0.0
-32.5°	660.1	519.2	373.7	233.9	115.3	33.9	0.0
-35°	634.5	498.7	356.6	222.2	110.0	32.9	0.0
-37.5°	608.3	476.6	338.5	209.9	104.4	31.9	0.0
-40°	580.6	452.5	319.2	196.8	98.4	30.8	0.0
-42.5°	551.5	427.1	299.9	183.0	92.1	29.6	0.0
-45°	521.0	400.6	280.6	168.6	85.5	28.4	0.0
-47.5°	489.2	372.8	260.5	153.5	78.6	27.2	0.0
-50°	454.8	344.0	239.5	141.5	71.4	25.8	0.0
-52.5°	418.9	314.1	217.8	130.3	63.9	24.5	0.0
-55°	381.9	285.6	195.4	118.8	56.2	23.1	0.0
-57.5°	343.7	256.7	172.2	106.8	48.3	21.6	0.0
-60°	305.0	227.0	148.9	94.6	40.2	20.1	0.0
-62.5°	268.5	196.6	132.1	82.0	37.1	18.6	0.0
-65°	231.3	165.5	115.0	69.2	33.9	17.0	0.0
-67.5°	193.3	138.8	97.6	56.1	30.7	15.4	0.0
-70°	154.7	116.6	79.8	42.8	27.5	13.7	0.0
-72.5°	126.2	94.1	61.8	36.2	24.1	12.1	0.0
-75°	98.9	71.4	43.5	31.1	20.8	10.4	0.0
-77.5°	71.4	48.3	34.6	26.0	17.4	8.7	0.0
-80°	43.5	34.6	27.8	20.9	13.9	7.0	0.0
-82.5°	31.1	26.0	20.9	15.7	10.5	5.2	0.0
-85°	20.8	17.4	13.9	10.5	7.0	3.5	0.0
-87.5°	10.4	8.7	7.0	5.2	3.5	1.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)