

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: P645509 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: GFLD-SA5B-750-U-LAM-VSR-XX

Issue Date: 2/28/2023

Test Information

Test Method: LM-79-2019
Report Number: P645509 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2210-813-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 5/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: MCGRAW-EDISON
Catalog Number: GFLD-SA5B-750-U-LAM-VSR-XX
Description: GALLEON FLOOD, FIVE LIGHT SQAURE, LAMBERTIAN WITH VISOR
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

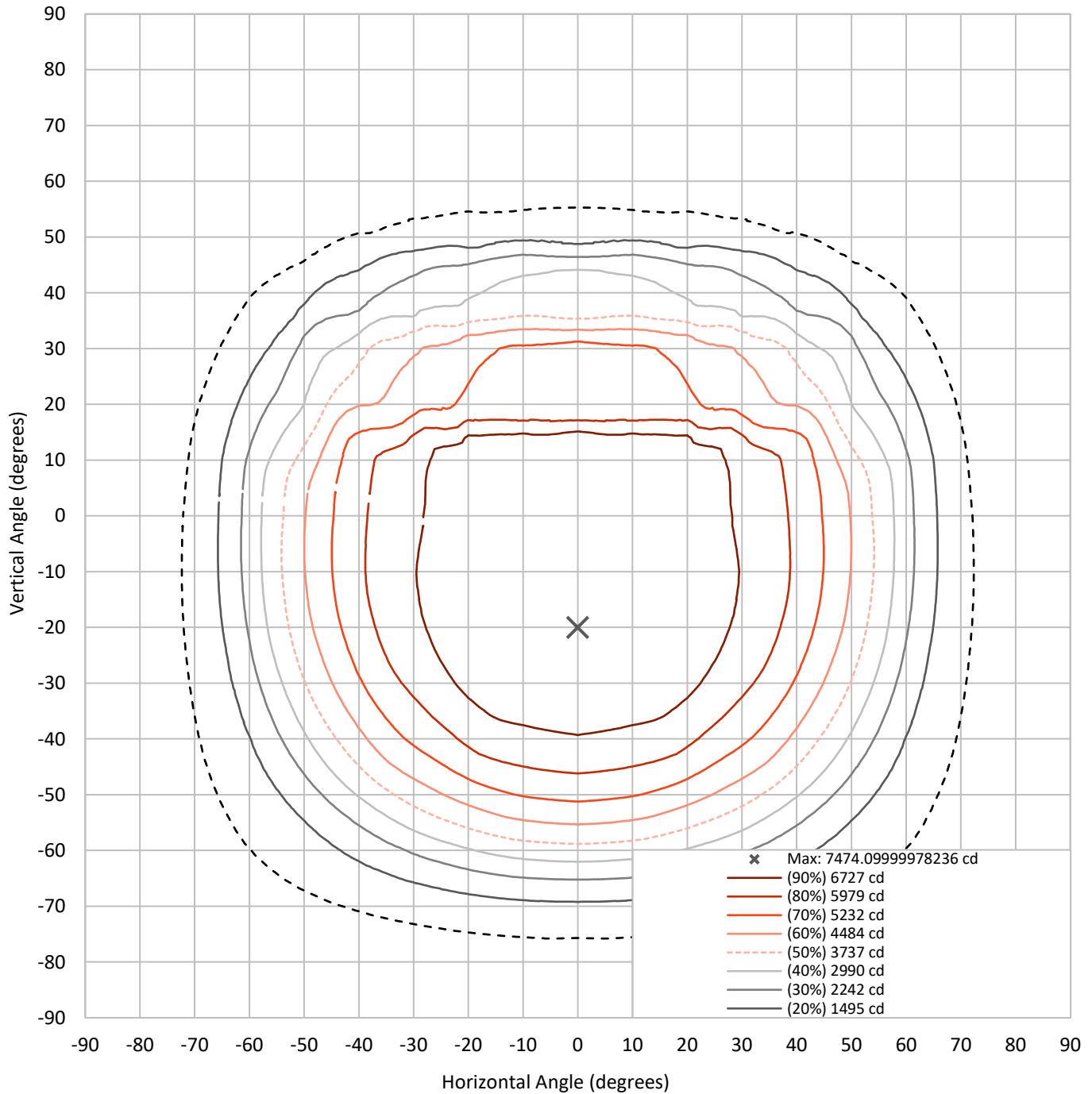
Lumens per Lamp:	N/A	NEMA Type:	7H x 7V
Luminaire Lumens:	17525.2 lumens	Max Intensity:	7474.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	110.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	105.6°H x 93.7°V	Field Angle (10%):	144°H x 131.2°V
Beam Lumens:	13700.1 lumens	Field Lumens:	17177.2 lumens
Beam Efficiency:	78.2%	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		



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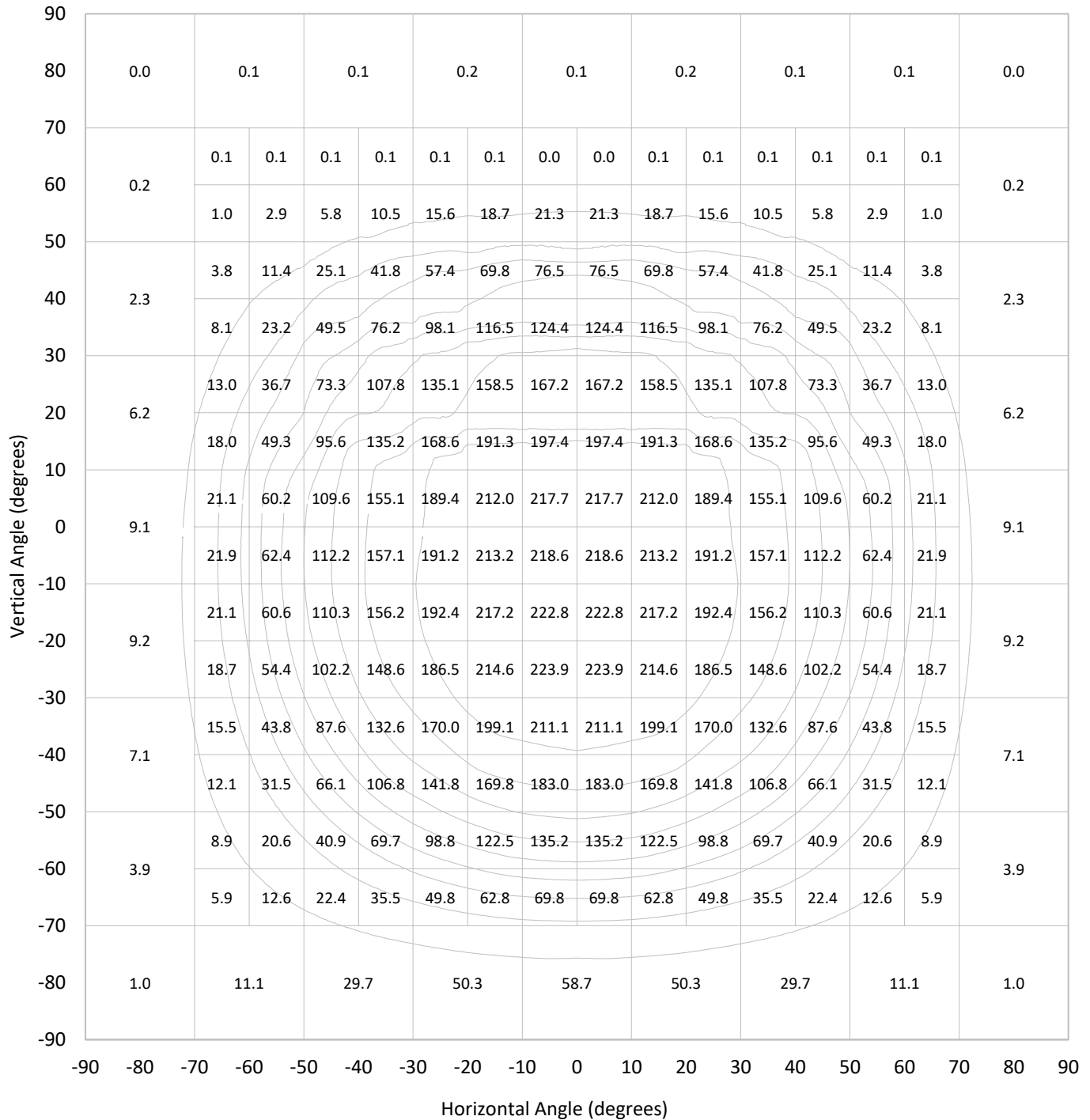
Iso-Candela Plot





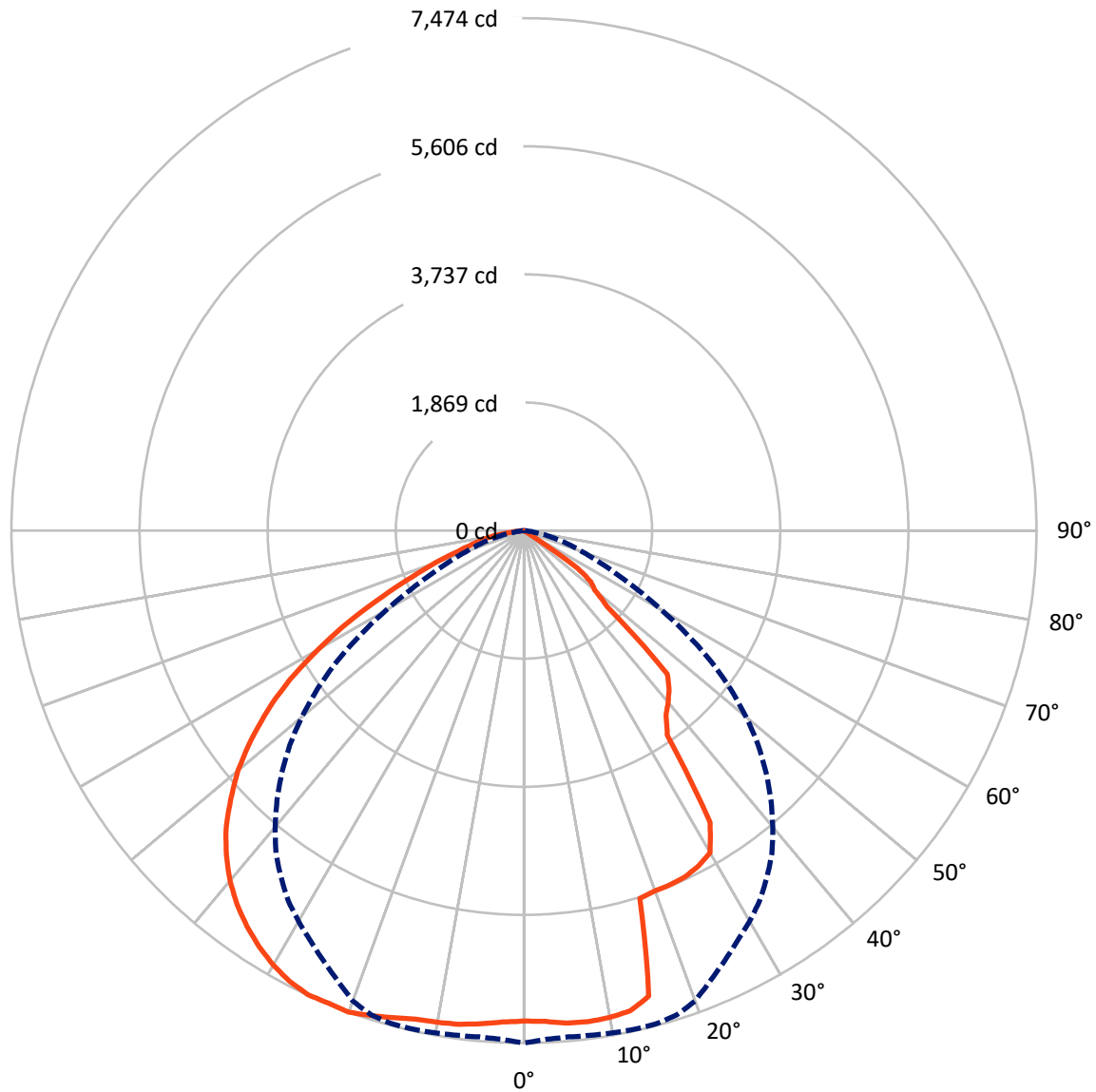
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Lumen Table



REPORT NUMBER: P645509 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot

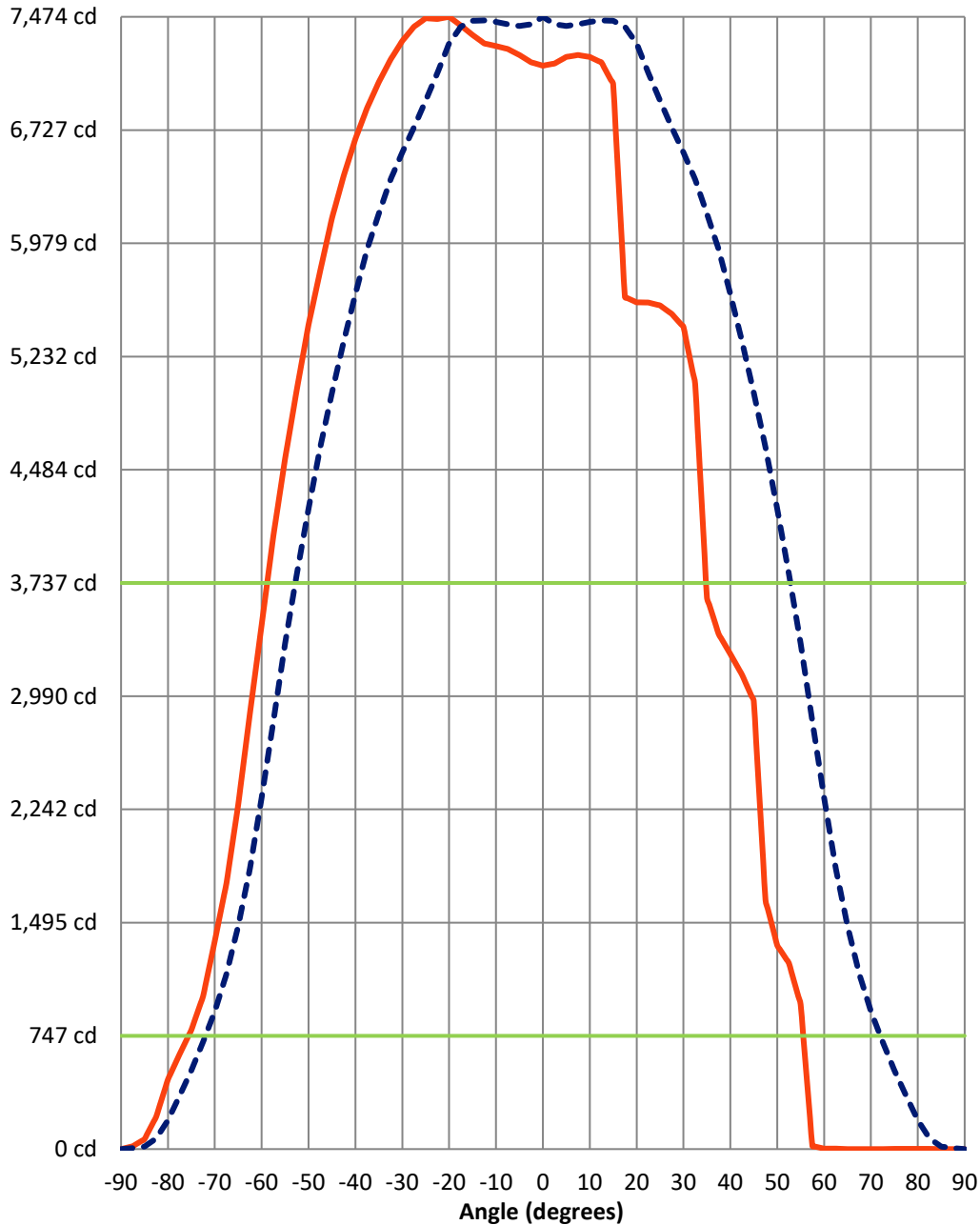


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through -20-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 105.6°
 V Angle: 93.7°
 Lumens: 13700.1
 Efficiency: 78.2%

Field:
 H Angle: 144°
 V Angle: 131.2°
 Lumens: 17177.2
 Efficiency: 98.0%

Spill:
 Lumens: 348
 Efficiency: 2.0%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through -20-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	0.2	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.7
85°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	1.7	1.6	1.5	1.4
82.5°	0.0	0.5	0.8	1.2	1.7	2.1	2.5	2.5	2.4	2.0	1.6
80°	0.0	0.7	1.1	1.7	2.2	2.8	3.2	2.8	2.4	2.0	1.7
77.5°	0.0	0.9	1.4	2.1	2.8	3.2	3.2	2.9	2.5	2.1	1.7
75°	0.0	1.0	1.7	2.5	3.2	3.3	3.2	2.9	2.5	2.1	1.7
72.5°	0.0	1.2	2.0	2.9	3.4	3.4	3.3	2.9	2.5	2.2	1.8
70°	0.0	1.4	2.3	3.2	3.5	3.6	3.4	3.0	2.6	2.2	2.5
67.5°	0.0	1.6	2.5	3.4	3.7	3.7	3.8	3.0	2.7	3.6	3.6
65°	0.0	1.7	2.8	3.5	3.8	4.2	4.3	3.0	4.2	5.0	6.3
62.5°	0.0	1.9	3.1	3.7	4.0	5.3	5.0	4.3	5.9	8.8	13.9
60°	0.0	2.1	3.4	3.9	4.2	6.4	5.9	6.0	7.7	22.2	24.1
57.5°	0.0	2.2	3.6	4.0	5.4	7.7	10.9	8.5	21.7	37.6	43.7
55°	0.0	2.4	3.8	4.2	6.8	9.1	17.4	13.8	40.3	58.1	70.8
52.5°	0.0	2.5	3.9	4.4	8.2	11.6	25.0	35.0	60.4	91.2	102.7
50°	0.0	2.7	4.1	4.6	9.6	19.8	33.7	59.1	86.4	127.9	160.4
47.5°	0.0	2.8	4.3	5.0	11.2	28.6	45.3	84.4	124.5	168.5	219.4
45°	0.0	3.0	4.5	6.2	12.8	38.1	68.3	110.8	167.1	219.6	276.7
42.5°	0.0	3.1	4.7	7.4	14.4	48.1	91.9	144.3	210.5	269.4	342.7
40°	0.0	3.3	4.9	9.0	19.4	58.7	116.0	182.5	255.1	318.2	413.4
37.5°	0.0	3.4	5.1	10.9	27.7	69.9	140.6	220.7	302.0	376.9	487.2
35°	0.0	3.6	5.3	13.0	36.1	86.9	165.5	258.9	349.6	448.9	574.4
32.5°	0.0	3.7	5.5	15.4	44.7	106.5	192.6	297.0	397.8	521.4	680.5
30°	0.0	3.8	5.8	17.9	53.3	126.1	223.5	335.4	446.5	594.0	782.3
27.5°	0.0	3.9	6.0	20.6	64.0	145.4	253.8	375.4	499.9	666.5	879.5
25°	0.0	4.0	6.2	23.5	74.9	164.3	283.4	415.0	560.2	745.7	972.3
22.5°	0.0	4.2	6.4	26.4	85.8	183.7	312.1	454.0	619.2	824.9	1066.2
20°	0.0	4.3	6.6	29.5	96.5	204.5	339.9	492.1	676.8	899.6	1157.8
17.5°	0.0	4.3	6.8	32.6	107.1	224.6	367.4	529.2	732.5	969.7	1246.5
15°	0.0	4.4	7.0	35.7	117.5	243.9	393.8	563.6	786.0	1035.1	1331.8
12.5°	0.0	4.5	7.2	38.8	127.5	262.3	418.5	594.3	828.7	1095.6	1412.9
10°	0.0	4.6	7.4	41.8	137.0	279.7	441.3	622.6	860.5	1132.0	1478.9
7.5°	0.0	4.7	7.5	44.8	146.1	296.0	462.4	648.3	887.6	1160.1	1517.5
5°	0.0	4.7	7.7	47.6	154.5	311.0	481.5	671.6	910.3	1182.8	1548.8
2.5°	0.0	4.8	7.9	50.3	162.2	324.6	498.7	692.2	928.6	1200.3	1572.8
0°	0.0	4.8	8.0	52.7	169.1	336.7	513.8	710.1	943.0	1212.7	1589.3
-2.5°	0.0	5.1	9.2	56.1	175.5	344.4	521.3	720.6	948.2	1228.3	1600.0
-5°	0.0	5.3	10.5	59.3	181.0	350.4	526.8	728.2	950.0	1238.5	1603.4
-7.5°	0.0	5.6	11.7	62.1	185.5	354.8	530.3	733.0	948.6	1242.7	1599.9
-10°	0.0	5.8	12.8	64.5	188.9	357.6	531.9	734.8	944.6	1240.2	1589.7
-12.5°	0.0	6.0	13.9	66.6	191.1	358.7	531.6	733.6	938.1	1230.2	1572.2
-15°	0.0	6.2	14.9	68.2	192.2	358.2	529.5	729.3	930.6	1210.7	1546.9
-17.5°	0.0	6.4	15.9	69.4	192.1	356.0	525.7	720.5	921.6	1186.3	1514.0
-20°	0.0	6.6	16.8	70.1	190.7	352.3	519.7	707.9	908.7	1157.3	1473.4

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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	6.7	17.6	70.3	188.0	346.9	511.0	692.8	892.0	1123.8	1425.2
-25°	0.0	6.8	18.3	70.0	184.0	338.6	500.3	675.3	871.2	1086.0	1369.3
-27.5°	0.0	6.9	18.9	69.1	178.7	328.2	487.6	655.4	846.5	1049.5	1319.8
-30°	0.0	6.9	19.4	67.7	171.9	316.3	472.9	633.3	819.5	1018.7	1266.9
-32.5°	0.0	6.9	19.8	65.7	164.1	303.1	456.2	612.8	790.9	983.0	1210.4
-35°	0.0	6.9	20.0	63.2	155.4	288.5	438.2	591.2	759.9	942.5	1150.4
-37.5°	0.0	6.9	20.2	60.0	145.9	273.8	418.8	567.3	726.7	897.4	1091.2
-40°	0.0	6.8	20.2	56.3	135.4	260.5	397.9	541.2	691.4	854.7	1032.7
-42.5°	0.0	6.7	20.1	52.2	127.5	246.3	375.5	512.9	657.3	809.6	969.8
-45°	0.0	6.6	19.8	48.1	122.1	231.1	351.8	483.7	622.4	761.5	904.6
-47.5°	0.0	6.4	19.5	43.5	115.8	215.1	326.7	454.4	585.0	711.0	848.1
-50°	0.0	6.2	19.0	41.9	108.4	198.2	305.7	423.6	543.6	664.7	789.0
-52.5°	0.0	6.0	18.4	41.1	100.2	180.5	284.7	391.5	504.1	617.1	728.4
-55°	0.0	5.8	17.7	39.8	91.0	167.1	262.9	359.0	464.4	568.1	674.5
-57.5°	0.0	5.5	16.8	38.1	81.0	153.5	240.3	333.2	423.4	521.1	619.5
-60°	0.0	5.2	15.9	35.9	70.4	138.7	217.3	304.6	382.3	473.7	564.5
-62.5°	0.0	4.8	14.9	33.4	65.4	122.7	196.3	273.6	344.3	425.0	510.8
-65°	0.0	4.5	13.9	30.5	59.7	105.5	173.9	241.3	304.0	376.1	455.7
-67.5°	0.0	4.1	12.7	27.2	53.4	91.2	150.0	209.4	261.6	325.0	396.2
-70°	0.0	3.7	11.5	23.6	46.4	79.8	124.8	176.6	223.6	271.6	332.8
-72.5°	0.0	3.3	10.2	20.8	39.0	67.6	105.5	143.2	185.0	227.4	270.3
-75°	0.0	2.8	8.9	18.1	31.0	54.6	86.3	115.4	145.6	182.6	220.0
-77.5°	0.0	2.4	7.5	15.2	25.6	41.0	66.1	89.2	113.3	139.3	169.0
-80°	0.0	1.9	6.0	12.3	20.7	31.2	45.1	62.5	81.1	101.3	122.9
-82.5°	0.0	1.5	4.6	9.3	15.7	23.6	33.1	40.1	48.5	62.7	78.0
-85°	0.0	1.0	3.1	6.2	10.5	15.8	22.2	26.8	31.6	36.6	41.8
-87.5°	0.0	0.5	1.5	3.1	5.3	7.9	11.1	13.4	15.8	18.3	20.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-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°	0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3
85°	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.9	2.1	2.0	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	2.5	2.6	2.3	1.9	1.6	1.7	1.8	1.8	1.6	1.6	1.6
67.5°	3.1	2.7	2.3	2.2	2.2	2.4	2.4	2.0	1.6	1.6	1.7
65°	3.2	2.8	4.0	4.5	3.3	2.8	2.4	2.1	2.2	2.3	2.3
62.5°	4.8	6.0	7.6	13.5	10.1	2.9	5.3	6.2	4.6	3.8	4.0
60°	15.6	10.6	31.5	45.1	28.1	10.3	12.5	41.7	36.1	6.7	22.6
57.5°	32.8	45.0	82.8	84.3	58.3	40.2	117.0	135.2	102.3	59.7	91.4
55°	72.2	110.9	137.3	127.1	138.8	210.2	249.8	224.4	188.9	290.6	371.3
52.5°	141.0	180.5	189.4	217.5	311.3	357.7	342.7	366.5	475.4	590.3	615.2
50°	208.1	240.4	265.6	383.9	457.4	462.0	496.1	603.9	749.0	819.4	802.3
47.5°	272.9	306.4	423.7	537.5	570.4	615.6	700.9	908.9	1062.6	1065.6	1048.2
45°	341.5	430.9	580.6	654.8	708.3	795.7	1001.6	1288.6	1303.4	1345.1	1601.5
42.5°	414.9	571.5	702.2	779.3	865.8	1028.8	1303.5	1491.8	1556.5	1739.0	1945.3
40°	533.8	707.4	821.5	920.1	1031.3	1269.2	1570.0	1746.4	1799.0	1957.0	2112.1
37.5°	654.3	820.8	948.7	1067.7	1221.7	1542.8	1890.9	2036.4	2063.0	2091.9	2435.4
35°	770.5	937.1	1090.2	1246.0	1434.8	1897.1	2201.3	2338.1	2333.9	2528.9	2888.6
32.5°	879.0	1056.1	1236.8	1445.1	1756.7	2230.3	2534.7	2616.6	2740.7	3024.5	3515.5
30°	987.5	1188.7	1396.2	1644.3	2039.2	2449.6	2797.1	2928.9	3141.7	3465.5	3822.9
27.5°	1099.1	1324.8	1575.6	1866.4	2262.1	2639.4	2936.2	3251.0	3457.8	3748.0	4002.2
25°	1210.4	1468.7	1752.8	2060.6	2421.5	2773.1	3080.1	3443.6	3665.6	3899.6	4136.8
22.5°	1327.0	1614.7	1935.5	2214.4	2555.8	2886.8	3252.2	3646.5	3935.2	4083.9	4243.1
20°	1448.9	1772.7	2114.8	2423.8	2688.4	2992.3	3425.0	3904.1	4276.8	4444.1	4465.9
17.5°	1569.1	1925.7	2293.6	2628.1	2913.5	3184.0	3606.4	4212.7	4676.1	4831.7	4900.9
15°	1686.3	2072.9	2471.4	2826.9	3140.2	3471.0	3922.1	4538.6	5068.4	5240.5	5349.4
12.5°	1799.4	2213.2	2646.3	3019.1	3367.1	3738.1	4208.7	4773.1	5256.7	5589.7	5789.4
10°	1907.2	2345.8	2816.1	3203.6	3591.4	3985.9	4445.9	4947.8	5341.4	5662.6	5946.1
7.5°	1961.6	2432.4	2962.0	3379.2	3810.0	4214.8	4640.1	5070.9	5402.5	5717.5	5991.6
5°	1998.5	2468.0	3007.5	3440.4	3926.2	4367.6	4780.5	5151.8	5442.3	5754.5	6022.3
2.5°	2024.9	2491.0	3038.3	3473.9	3969.8	4414.6	4820.9	5178.9	5475.2	5781.0	6055.2
0°	2040.8	2502.0	3054.1	3494.5	3997.1	4445.5	4844.4	5189.1	5497.0	5793.8	6089.0
-2.5°	2049.8	2535.5	3064.6	3547.4	4023.5	4472.1	4877.3	5213.7	5535.5	5817.9	6113.9
-5°	2048.7	2555.4	3061.8	3583.0	4036.2	4482.6	4893.7	5224.9	5556.4	5836.0	6124.0
-7.5°	2037.6	2560.0	3048.0	3594.2	4036.7	4479.0	4886.5	5230.2	5556.1	5852.6	6125.0
-10°	2017.8	2542.0	3035.2	3565.3	4021.2	4460.9	4864.5	5218.5	5543.1	5849.3	6119.7
-12.5°	1994.4	2504.7	3008.6	3523.8	3989.7	4426.9	4831.0	5188.6	5518.8	5824.2	6107.5
-15°	1959.3	2455.0	2964.9	3471.1	3941.8	4377.6	4787.5	5139.8	5481.4	5780.5	6071.2
-17.5°	1912.1	2393.6	2903.4	3408.5	3877.3	4313.2	4731.7	5075.4	5415.3	5724.4	6005.0
-20°	1852.7	2320.7	2823.5	3337.4	3795.4	4226.7	4632.2	4992.1	5329.8	5644.2	5939.1



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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°	1780.9	2236.9	2727.3	3241.4	3693.2	4119.6	4520.2	4886.0	5235.9	5539.9	5854.2
-25°	1708.9	2148.4	2620.9	3108.5	3574.5	3999.1	4400.9	4757.2	5114.9	5431.1	5729.6
-27.5°	1640.0	2045.7	2497.5	2962.2	3440.0	3862.5	4260.7	4617.3	4964.5	5310.3	5597.7
-30°	1562.6	1926.9	2362.2	2806.0	3271.8	3702.0	4103.2	4473.2	4803.6	5145.0	5453.6
-32.5°	1477.2	1800.9	2219.2	2646.2	3085.4	3525.1	3922.6	4290.1	4633.9	4956.8	5280.7
-35°	1393.7	1699.1	2067.8	2474.7	2887.9	3319.3	3717.1	4081.1	4437.8	4757.7	5067.2
-37.5°	1318.6	1588.8	1906.8	2295.5	2690.4	3098.4	3503.0	3855.4	4194.8	4546.5	4848.3
-40°	1237.3	1470.5	1767.4	2111.0	2483.2	2871.2	3258.5	3623.1	3942.2	4289.7	4621.7
-42.5°	1152.2	1374.1	1629.8	1915.6	2267.0	2632.8	3006.7	3363.3	3694.7	4022.6	4351.5
-45°	1077.7	1272.0	1489.9	1751.0	2037.0	2381.1	2735.1	3090.6	3408.6	3721.1	4046.0
-47.5°	998.5	1169.5	1370.9	1579.5	1828.1	2115.8	2448.7	2776.6	3102.1	3399.4	3686.9
-50°	919.6	1077.2	1242.7	1430.4	1635.6	1868.8	2145.3	2450.1	2747.5	3052.7	3337.5
-52.5°	851.5	980.1	1129.6	1286.3	1462.0	1654.9	1876.4	2126.7	2397.2	2656.2	2940.3
-55°	780.9	896.8	1017.5	1155.5	1301.7	1464.5	1646.1	1856.5	2062.8	2302.4	2534.3
-57.5°	716.6	814.3	917.2	1031.1	1158.1	1288.4	1447.1	1610.8	1798.1	1984.3	2167.9
-60°	655.8	735.7	823.0	919.5	1021.6	1137.6	1256.0	1396.6	1547.4	1696.0	1851.8
-62.5°	594.6	661.8	733.0	813.1	902.1	989.8	1090.9	1199.2	1310.2	1436.2	1559.0
-65°	531.8	586.0	646.4	712.8	783.8	858.5	936.2	1016.4	1110.8	1203.1	1292.5
-67.5°	465.0	511.4	560.2	612.6	672.1	730.7	789.2	856.9	926.5	994.8	1065.6
-70°	390.9	434.7	475.4	517.8	562.1	608.0	658.0	707.7	756.7	807.9	864.7
-72.5°	315.6	355.9	391.7	423.0	459.4	497.5	534.1	568.9	605.9	644.8	683.3
-75°	251.7	278.3	310.3	339.5	368.4	395.3	419.4	449.0	479.8	508.1	531.3
-77.5°	196.5	220.6	242.5	262.1	285.1	312.0	335.5	355.7	375.3	396.7	419.3
-80°	142.9	163.0	182.9	201.0	214.3	229.5	247.5	268.1	286.0	300.5	313.7
-82.5°	92.3	106.8	121.6	136.7	142.8	147.0	151.0	158.1	169.2	180.1	190.5
-85°	46.0	50.2	59.3	68.5	71.7	74.0	75.5	76.4	80.1	83.6	86.6
-87.5°	23.0	25.1	27.2	29.3	28.2	26.7	24.8	22.6	22.1	21.4	20.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-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°	1.3	1.3	1.4	1.4	1.5	1.1	0.8	0.4	0.0	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.2	0.8
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.0
65°	2.2	2.2	2.3	2.2	2.0	1.9	2.0	1.9	1.7	1.4	1.0
62.5°	4.0	4.5	3.6	3.5	3.5	3.4	3.2	3.1	2.8	2.7	2.8
60°	25.0	14.8	8.7	10.1	9.1	6.0	7.7	9.0	9.1	8.3	7.4
57.5°	138.7	103.6	76.6	183.1	183.6	87.6	105.6	166.0	136.7	44.9	41.7
55°	385.8	461.5	607.4	576.9	586.3	674.3	736.3	651.8	639.0	680.9	786.6
52.5°	693.2	765.3	814.4	860.3	916.1	976.2	1038.0	1077.4	1114.2	1153.4	1176.8
50°	885.2	986.8	1056.6	1030.9	1175.5	1234.6	1174.6	1228.3	1293.8	1311.7	1320.2
47.5°	1307.1	1456.1	1485.7	1581.7	1667.9	1666.1	1592.9	1597.1	1792.1	1964.0	2048.5
45°	1878.5	1883.5	1977.2	2146.8	2267.9	2229.8	2332.1	2564.5	2641.9	2716.8	2778.1
42.5°	2101.1	2193.3	2342.8	2492.7	2583.0	2661.4	2737.1	2822.5	2923.0	3004.5	3069.7
40°	2316.6	2390.9	2544.0	2664.7	2739.6	2812.7	2900.9	2995.6	3087.6	3159.2	3208.1
37.5°	2648.3	2705.9	2743.2	2855.3	2996.8	2931.5	3098.9	3218.9	3273.8	3346.5	3353.1
35°	3150.2	3111.9	3062.2	3508.3	3535.0	3384.4	3540.9	3727.0	3628.9	3833.2	3943.0
32.5°	3595.1	3589.4	3978.8	4213.3	4078.3	4188.5	4549.4	4533.4	4773.9	4885.6	4853.8
30°	4014.3	4157.4	4382.5	4557.2	4580.6	4754.3	4914.5	5054.9	5200.1	5330.3	5339.3
27.5°	4227.1	4413.8	4566.6	4667.7	4780.5	4926.6	5072.0	5230.1	5353.7	5435.3	5455.3
25°	4355.8	4546.5	4662.3	4771.0	4895.6	5021.6	5184.5	5356.7	5455.9	5506.3	5522.3
22.5°	4469.3	4640.7	4765.1	4853.4	4987.4	5123.0	5274.8	5420.6	5528.4	5550.4	5558.4
20°	4578.6	4743.2	4951.0	5081.0	5074.5	5227.3	5373.6	5489.5	5579.4	5578.9	5581.0
17.5°	4894.6	4953.3	5330.5	5616.8	5475.0	5400.3	5802.6	5810.2	5834.1	5786.7	5683.7
15°	5362.5	5469.5	5932.8	6243.2	6145.5	6140.3	6721.4	6577.4	6701.4	6668.9	6808.5
12.5°	5858.1	5984.8	6331.0	6635.8	6781.1	6816.8	7010.9	7192.8	7230.1	7215.4	7187.9
10°	6195.8	6376.2	6515.3	6700.3	6846.8	6996.2	7108.7	7239.3	7282.1	7257.3	7222.3
7.5°	6239.7	6418.1	6581.4	6743.7	6883.2	7003.6	7120.3	7226.6	7270.1	7255.7	7231.7
5°	6267.7	6429.3	6587.6	6752.2	6885.6	6997.1	7113.4	7221.2	7246.9	7229.6	7206.2
2.5°	6285.0	6434.5	6587.0	6751.0	6872.2	6978.4	7096.1	7211.1	7210.8	7203.3	7189.6
0°	6293.3	6443.3	6620.4	6768.8	6904.4	7004.9	7121.4	7233.1	7225.1	7204.4	7180.5
-2.5°	6311.2	6463.2	6643.9	6766.9	6919.9	7011.9	7132.3	7229.0	7225.3	7215.1	7203.2
-5°	6327.2	6498.1	6667.2	6796.6	6949.8	7070.2	7189.9	7265.5	7269.6	7255.3	7235.4
-7.5°	6337.0	6526.4	6687.7	6817.6	6966.3	7106.3	7227.7	7307.0	7308.8	7289.9	7266.0
-10°	6333.7	6533.7	6699.7	6834.0	6986.3	7124.5	7251.4	7352.1	7348.8	7330.8	7310.5
-12.5°	6321.7	6521.5	6692.0	6826.7	6999.6	7141.9	7284.7	7384.8	7390.1	7376.6	7354.6
-15°	6295.5	6501.7	6667.6	6814.7	6984.1	7150.5	7297.2	7407.6	7427.3	7416.2	7398.9
-17.5°	6243.5	6461.2	6637.1	6795.5	6958.1	7135.4	7302.3	7423.0	7450.0	7445.6	7431.2
-20°	6175.2	6399.9	6578.4	6744.5	6921.4	7104.1	7298.2	7408.6	7447.7	7450.2	7440.4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6098.5	6318.5	6508.0	6671.1	6863.0	7047.9	7223.8	7353.0	7418.7	7430.9	7431.7
-25°	6006.6	6232.6	6420.9	6594.7	6773.2	6964.2	7141.8	7286.1	7352.6	7384.5	7394.3
-27.5°	5876.8	6110.3	6295.6	6479.3	6660.9	6858.2	7044.9	7201.8	7255.9	7299.6	7317.2
-30°	5724.7	5955.6	6144.5	6312.5	6520.2	6721.4	6914.1	7050.9	7132.6	7182.6	7209.9
-32.5°	5549.8	5782.9	5981.2	6156.6	6354.0	6555.1	6736.4	6880.8	6993.3	7051.0	7080.3
-35°	5360.2	5598.2	5805.7	5990.4	6176.3	6368.1	6555.9	6706.9	6835.1	6884.7	6921.3
-37.5°	5131.4	5394.0	5606.7	5797.3	5973.9	6154.1	6349.7	6522.4	6646.9	6695.0	6733.6
-40°	4896.8	5150.6	5365.2	5568.4	5743.1	5939.8	6128.2	6309.2	6417.3	6473.4	6517.1
-42.5°	4649.1	4878.4	5082.5	5279.9	5474.4	5676.9	5865.2	6053.3	6146.8	6214.4	6268.0
-45°	4363.2	4576.6	4774.9	4959.7	5160.1	5359.3	5547.6	5713.9	5825.1	5913.1	5981.6
-47.5°	3982.1	4242.0	4441.1	4616.8	4815.5	5007.7	5190.3	5346.5	5468.5	5571.5	5651.0
-50°	3595.0	3844.4	4069.0	4266.4	4450.8	4628.5	4802.3	4955.1	5084.2	5195.8	5276.4
-52.5°	3213.8	3447.5	3670.3	3874.2	4051.4	4219.1	4378.1	4531.9	4668.0	4787.3	4865.3
-55°	2783.0	3025.1	3245.6	3435.6	3612.7	3778.5	3935.5	4081.4	4215.4	4336.9	4411.5
-57.5°	2379.0	2591.3	2796.4	2971.9	3139.0	3297.0	3445.8	3585.4	3714.4	3828.7	3900.7
-60°	2007.6	2162.4	2338.9	2500.9	2649.0	2783.4	2922.3	3052.5	3171.0	3271.5	3338.6
-62.5°	1679.2	1807.6	1935.0	2058.2	2178.4	2299.1	2415.3	2523.3	2622.3	2704.7	2763.5
-65°	1386.7	1489.8	1582.0	1669.3	1752.5	1847.8	1936.2	2019.3	2096.3	2159.4	2204.2
-67.5°	1141.8	1214.3	1278.0	1337.9	1403.6	1470.9	1533.9	1588.9	1635.9	1673.3	1702.9
-70°	920.8	974.1	1022.1	1069.9	1117.8	1161.6	1203.3	1243.8	1282.2	1313.5	1337.0
-72.5°	721.2	757.6	790.3	827.1	861.5	894.7	923.6	947.0	965.1	982.7	998.1
-75°	549.8	577.2	614.1	645.2	671.0	693.8	714.7	733.3	749.6	764.1	776.8
-77.5°	442.2	465.4	488.9	511.7	533.7	550.0	565.2	580.4	595.3	608.1	619.5
-80°	327.7	345.0	363.2	381.4	399.6	408.7	415.9	422.6	428.5	436.2	443.3
-82.5°	200.4	210.2	220.3	230.5	240.7	243.3	244.1	243.9	242.6	239.8	235.6
-85°	89.2	89.7	89.4	88.4	86.7	83.2	78.8	73.9	68.3	67.4	66.3
-87.5°	19.6	19.2	18.6	18.0	17.3	17.3	17.2	17.1	17.0	17.5	18.1
-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):

	-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
85°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.2	1.5	1.5
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	0.8	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	0.9	0.0	0.9	1.6	1.6	1.6	1.6	1.6	1.6
67.5°	0.6	0.1	0.0	0.0	0.0	0.1	0.6	1.0	1.4	1.6	1.6
65°	0.5	0.1	0.0	0.0	0.0	0.1	0.5	1.0	1.4	1.7	1.9
62.5°	2.9	3.1	3.2	3.2	3.2	3.1	2.9	2.8	2.7	2.8	3.1
60°	5.8	3.8	3.2	3.2	3.2	3.8	5.8	7.4	8.3	9.1	9.0
57.5°	35.2	26.3	22.3	20.7	22.3	26.3	35.2	41.7	44.9	136.7	166.0
55°	862.3	906.2	939.0	954.2	939.0	906.2	862.3	786.6	680.9	639.0	651.8
52.5°	1197.3	1216.4	1227.4	1227.1	1227.4	1216.4	1197.3	1176.8	1153.4	1114.2	1077.4
50°	1334.6	1343.8	1347.1	1345.1	1347.1	1343.8	1334.6	1320.2	1311.7	1293.8	1228.3
47.5°	1971.3	1800.7	1675.3	1645.1	1675.3	1800.7	1971.3	2048.5	1964.0	1792.1	1597.1
45°	2807.5	2872.3	2936.7	2956.8	2936.7	2872.3	2807.5	2778.1	2716.8	2641.9	2564.5
42.5°	3097.2	3118.3	3130.2	3130.7	3130.2	3118.3	3097.2	3069.7	3004.5	2923.0	2822.5
40°	3235.4	3255.3	3266.9	3267.9	3266.9	3255.3	3235.4	3208.1	3159.2	3087.6	2995.6
37.5°	3361.0	3377.9	3389.0	3400.3	3389.0	3377.9	3361.0	3353.1	3346.5	3273.8	3218.9
35°	3928.2	3799.7	3614.8	3642.9	3614.8	3799.7	3928.2	3943.0	3833.2	3628.9	3727.0
32.5°	4903.5	4957.5	4991.2	5048.7	4991.2	4957.5	4903.5	4853.8	4885.6	4773.9	4533.4
30°	5353.5	5371.4	5398.4	5426.8	5398.4	5371.4	5353.5	5339.3	5330.3	5200.1	5054.9
27.5°	5465.8	5484.3	5500.7	5513.0	5500.7	5484.3	5465.8	5455.3	5435.3	5353.7	5230.1
25°	5524.6	5536.1	5553.5	5568.8	5553.5	5536.1	5524.6	5522.3	5506.3	5455.9	5356.7
22.5°	5553.8	5555.0	5568.6	5588.0	5568.6	5555.0	5553.8	5558.4	5550.4	5528.4	5420.6
20°	5573.8	5563.0	5577.0	5589.6	5577.0	5563.0	5573.8	5581.0	5578.9	5579.4	5489.5
17.5°	5829.0	5683.4	5623.5	5624.7	5623.5	5683.4	5829.0	5683.7	5786.7	5834.1	5810.2
15°	6651.9	6706.5	6915.8	7028.9	6915.8	6706.5	6651.9	6808.5	6668.9	6701.4	6577.4
12.5°	7182.9	7163.5	7138.6	7172.5	7138.6	7163.5	7182.9	7187.9	7215.4	7230.1	7192.8
10°	7207.5	7205.3	7161.0	7209.2	7161.0	7205.3	7207.5	7222.3	7257.3	7282.1	7239.3
7.5°	7192.4	7193.7	7174.9	7221.9	7174.9	7193.7	7192.4	7231.7	7255.7	7270.1	7226.6
5°	7202.4	7170.0	7182.2	7209.2	7182.2	7170.0	7202.4	7206.2	7229.6	7246.9	7221.2
2.5°	7174.5	7171.2	7147.2	7166.1	7147.2	7171.2	7174.5	7189.6	7203.3	7210.8	7211.1
0°	7153.3	7135.8	7135.8	7151.7	7135.8	7135.8	7153.3	7180.5	7204.4	7225.1	7233.1
-2.5°	7191.1	7187.4	7185.1	7174.1	7185.1	7187.4	7191.1	7203.2	7215.1	7225.3	7229.0
-5°	7222.1	7212.6	7186.5	7221.9	7186.5	7212.6	7222.1	7235.4	7255.3	7269.6	7265.5
-7.5°	7255.5	7231.3	7206.4	7261.8	7206.4	7231.3	7255.5	7266.0	7289.9	7308.8	7307.0
-10°	7286.0	7250.9	7226.7	7281.0	7226.7	7250.9	7286.0	7310.5	7330.8	7348.8	7352.1
-12.5°	7326.2	7285.2	7269.1	7298.5	7269.1	7285.2	7326.2	7354.6	7376.6	7390.1	7384.8
-15°	7369.2	7340.8	7337.0	7354.4	7337.0	7340.8	7369.2	7398.9	7416.2	7427.3	7407.6
-17.5°	7406.9	7387.0	7396.8	7416.6	7396.8	7387.0	7406.9	7431.2	7445.6	7450.0	7423.0
-20°	7424.9	7413.8	7424.9	7474.1	7424.9	7413.8	7424.9	7440.4	7450.2	7447.7	7408.6



REPORT NUMBER: P645509 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	7423.4	7424.1	7443.6	7459.7	7443.6	7424.1	7423.4	7431.7	7430.9	7418.7	7353.0
-25°	7395.1	7410.0	7432.4	7464.5	7432.4	7410.0	7395.1	7394.3	7384.5	7352.6	7286.1
-27.5°	7326.8	7351.5	7374.9	7408.6	7374.9	7351.5	7326.8	7317.2	7299.6	7255.9	7201.8
-30°	7228.0	7257.5	7278.4	7314.5	7278.4	7257.5	7228.0	7209.9	7182.6	7132.6	7050.9
-32.5°	7107.8	7141.1	7165.9	7191.6	7165.9	7141.1	7107.8	7080.3	7051.0	6993.3	6880.8
-35°	6957.5	6993.5	7019.7	7043.2	7019.7	6993.5	6957.5	6921.3	6884.7	6835.1	6706.9
-37.5°	6777.0	6815.7	6845.7	6872.5	6845.7	6815.7	6777.0	6733.6	6695.0	6646.9	6522.4
-40°	6566.7	6606.4	6638.3	6668.2	6638.3	6606.4	6566.7	6517.1	6473.4	6417.3	6309.2
-42.5°	6320.8	6360.9	6393.8	6424.1	6393.8	6360.9	6320.8	6268.0	6214.4	6146.8	6053.3
-45°	6036.8	6078.1	6112.9	6144.9	6112.9	6078.1	6036.8	5981.6	5913.1	5825.1	5713.9
-47.5°	5709.7	5753.8	5783.6	5798.6	5783.6	5753.8	5709.7	5651.0	5571.5	5468.5	5346.5
-50°	5334.8	5379.0	5414.8	5441.2	5414.8	5379.0	5334.8	5276.4	5195.8	5084.2	4955.1
-52.5°	4922.1	4964.1	4995.0	5013.6	4995.0	4964.1	4922.1	4865.3	4787.3	4668.0	4531.9
-55°	4470.3	4514.3	4543.5	4557.2	4543.5	4514.3	4470.3	4411.5	4336.9	4215.4	4081.4
-57.5°	3957.8	3999.6	4030.7	4048.2	4030.7	3999.6	3957.8	3900.7	3828.7	3714.4	3585.4
-60°	3390.9	3428.3	3451.8	3461.0	3451.8	3428.3	3390.9	3338.6	3271.5	3171.0	3052.5
-62.5°	2810.9	2846.3	2868.4	2877.0	2868.4	2846.3	2810.9	2763.5	2704.7	2622.3	2523.3
-65°	2237.6	2259.8	2272.0	2273.8	2272.0	2259.8	2237.6	2204.2	2159.4	2096.3	2019.3
-67.5°	1726.2	1743.1	1753.4	1756.8	1753.4	1743.1	1726.2	1702.9	1673.3	1635.9	1588.9
-70°	1354.5	1366.2	1372.8	1373.9	1372.8	1366.2	1354.5	1337.0	1313.5	1282.2	1243.8
-72.5°	1009.9	1018.2	1015.3	1008.5	1015.3	1018.2	1009.9	998.1	982.7	965.1	947.0
-75°	787.8	797.0	793.2	786.7	793.2	797.0	787.8	776.8	764.1	749.6	733.3
-77.5°	629.4	637.8	633.6	627.1	633.6	637.8	629.4	619.5	608.1	595.3	580.4
-80°	449.5	454.4	457.8	459.5	457.8	454.4	449.5	443.3	436.2	428.5	422.6
-82.5°	230.1	223.3	219.0	213.8	219.0	223.3	230.1	235.6	239.8	242.6	243.9
-85°	65.0	63.5	64.5	65.4	64.5	63.5	65.0	66.3	67.4	68.3	73.9
-87.5°	18.6	19.0	19.1	19.1	19.1	19.0	18.6	18.1	17.5	17.0	17.1
-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: P645509 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-750-U-LAM-VSR-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°	0.8	1.1	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
85°	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8
67.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.6	1.6	2.0
65°	2.0	1.9	2.0	2.2	2.3	2.2	2.2	2.3	2.3	2.2	2.1
62.5°	3.2	3.4	3.5	3.5	3.6	4.5	4.0	4.0	3.8	4.6	6.2
60°	7.7	6.0	9.1	10.1	8.7	14.8	25.0	22.6	6.7	36.1	41.7
57.5°	105.6	87.6	183.6	183.1	76.6	103.6	138.7	91.4	59.7	102.3	135.2
55°	736.3	674.3	586.3	576.9	607.4	461.5	385.8	371.3	290.6	188.9	224.4
52.5°	1038.0	976.2	916.1	860.3	814.4	765.3	693.2	615.2	590.3	475.4	366.5
50°	1174.6	1234.6	1175.5	1030.9	1056.6	986.8	885.2	802.3	819.4	749.0	603.9
47.5°	1592.9	1666.1	1667.9	1581.7	1485.7	1456.1	1307.1	1048.2	1065.6	1062.6	908.9
45°	2332.1	2229.8	2267.9	2146.8	1977.2	1883.5	1878.5	1601.5	1345.1	1303.4	1288.6
42.5°	2737.1	2661.4	2583.0	2492.7	2342.8	2193.3	2101.1	1945.3	1739.0	1556.5	1491.8
40°	2900.9	2812.7	2739.6	2664.7	2544.0	2390.9	2316.6	2112.1	1957.0	1799.0	1746.4
37.5°	3098.9	2931.5	2996.8	2855.3	2743.2	2705.9	2648.3	2435.4	2091.9	2063.0	2036.4
35°	3540.9	3384.4	3535.0	3508.3	3062.2	3111.9	3150.2	2888.6	2528.9	2333.9	2338.1
32.5°	4549.4	4188.5	4078.3	4213.3	3978.8	3589.4	3595.1	3515.5	3024.5	2740.7	2616.6
30°	4914.5	4754.3	4580.6	4557.2	4382.5	4157.4	4014.3	3822.9	3465.5	3141.7	2928.9
27.5°	5072.0	4926.6	4780.5	4667.7	4566.6	4413.8	4227.1	4002.2	3748.0	3457.8	3251.0
25°	5184.5	5021.6	4895.6	4771.0	4662.3	4546.5	4355.8	4136.8	3899.6	3665.6	3443.6
22.5°	5274.8	5123.0	4987.4	4853.4	4765.1	4640.7	4469.3	4243.1	4083.9	3935.2	3646.5
20°	5373.6	5227.3	5074.5	5081.0	4951.0	4743.2	4578.6	4465.9	4444.1	4276.8	3904.1
17.5°	5802.6	5400.3	5475.0	5616.8	5330.5	4953.3	4894.6	4900.9	4831.7	4676.1	4212.7
15°	6721.4	6140.3	6145.5	6243.2	5932.8	5469.5	5362.5	5349.4	5240.5	5068.4	4538.6
12.5°	7010.9	6816.8	6781.1	6635.8	6331.0	5984.8	5858.1	5789.4	5589.7	5256.7	4773.1
10°	7108.7	6996.2	6846.8	6700.3	6515.3	6376.2	6195.8	5946.1	5662.6	5341.4	4947.8
7.5°	7120.3	7003.6	6883.2	6743.7	6581.4	6418.1	6239.7	5991.6	5717.5	5402.5	5070.9
5°	7113.4	6997.1	6885.6	6752.2	6587.6	6429.3	6267.7	6022.3	5754.5	5442.3	5151.8
2.5°	7096.1	6978.4	6872.2	6751.0	6587.0	6434.5	6285.0	6055.2	5781.0	5475.2	5178.9
0°	7121.4	7004.9	6904.4	6768.8	6620.4	6443.3	6293.3	6089.0	5793.8	5497.0	5189.1
-2.5°	7132.3	7011.9	6919.9	6766.9	6643.9	6463.2	6311.2	6113.9	5817.9	5535.5	5213.7
-5°	7189.9	7070.2	6949.8	6796.6	6667.2	6498.1	6327.2	6124.0	5836.0	5556.4	5224.9
-7.5°	7227.7	7106.3	6966.3	6817.6	6687.7	6526.4	6337.0	6125.0	5852.6	5556.1	5230.2
-10°	7251.4	7124.5	6986.3	6834.0	6699.7	6533.7	6333.7	6119.7	5849.3	5543.1	5218.5
-12.5°	7284.7	7141.9	6999.6	6826.7	6692.0	6521.5	6321.7	6107.5	5824.2	5518.8	5188.6
-15°	7297.2	7150.5	6984.1	6814.7	6667.6	6501.7	6295.5	6071.2	5780.5	5481.4	5139.8
-17.5°	7302.3	7135.4	6958.1	6795.5	6637.1	6461.2	6243.5	6005.0	5724.4	5415.3	5075.4
-20°	7298.2	7104.1	6921.4	6744.5	6578.4	6399.9	6175.2	5939.1	5644.2	5329.8	4992.1

Classified

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

Scaled Data Report



REPORT NUMBER: P645509 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: GFLD-SA5B-750-U-LAM-VSR-XX

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7223.8	7047.9	6863.0	6671.1	6508.0	6318.5	6098.5	5854.2	5539.9	5235.9	4886.0
-25°	7141.8	6964.2	6773.2	6594.7	6420.9	6232.6	6006.6	5729.6	5431.1	5114.9	4757.2
-27.5°	7044.9	6858.2	6660.9	6479.3	6295.6	6110.3	5876.8	5597.7	5310.3	4964.5	4617.3
-30°	6914.1	6721.4	6520.2	6312.5	6144.5	5955.6	5724.7	5453.6	5145.0	4803.6	4473.2
-32.5°	6736.4	6555.1	6354.0	6156.6	5981.2	5782.9	5549.8	5280.7	4956.8	4633.9	4290.1
-35°	6555.9	6368.1	6176.3	5990.4	5805.7	5598.2	5360.2	5067.2	4757.7	4437.8	4081.1
-37.5°	6349.7	6154.1	5973.9	5797.3	5606.7	5394.0	5131.4	4848.3	4546.5	4194.8	3855.4
-40°	6128.2	5939.8	5743.1	5568.4	5365.2	5150.6	4896.8	4621.7	4289.7	3942.2	3623.1
-42.5°	5865.2	5676.9	5474.4	5279.9	5082.5	4878.4	4649.1	4351.5	4022.6	3694.7	3363.3
-45°	5547.6	5359.3	5160.1	4959.7	4774.9	4576.6	4363.2	4046.0	3721.1	3408.6	3090.6
-47.5°	5190.3	5007.7	4815.5	4616.8	4441.1	4242.0	3982.1	3686.9	3399.4	3102.1	2776.6
-50°	4802.3	4628.5	4450.8	4266.4	4069.0	3844.4	3595.0	3337.5	3052.7	2747.5	2450.1
-52.5°	4378.1	4219.1	4051.4	3874.2	3670.3	3447.5	3213.8	2940.3	2656.2	2397.2	2126.7
-55°	3935.5	3778.5	3612.7	3435.6	3245.6	3025.1	2783.0	2534.3	2302.4	2062.8	1856.5
-57.5°	3445.8	3297.0	3139.0	2971.9	2796.4	2591.3	2379.0	2167.9	1984.3	1798.1	1610.8
-60°	2922.3	2783.4	2649.0	2500.9	2338.9	2162.4	2007.6	1851.8	1696.0	1547.4	1396.6
-62.5°	2415.3	2299.1	2178.4	2058.2	1935.0	1807.6	1679.2	1559.0	1436.2	1310.2	1199.2
-65°	1936.2	1847.8	1752.5	1669.3	1582.0	1489.8	1386.7	1292.5	1203.1	1110.8	1016.4
-67.5°	1533.9	1470.9	1403.6	1337.9	1278.0	1214.3	1141.8	1065.6	994.8	926.5	856.9
-70°	1203.3	1161.6	1117.8	1069.9	1022.1	974.1	920.8	864.7	807.9	756.7	707.7
-72.5°	923.6	894.7	861.5	827.1	790.3	757.6	721.2	683.3	644.8	605.9	568.9
-75°	714.7	693.8	671.0	645.2	614.1	577.2	549.8	531.3	508.1	479.8	449.0
-77.5°	565.2	550.0	533.7	511.7	488.9	465.4	442.2	419.3	396.7	375.3	355.7
-80°	415.9	408.7	399.6	381.4	363.2	345.0	327.7	313.7	300.5	286.0	268.1
-82.5°	244.1	243.3	240.7	230.5	220.3	210.2	200.4	190.5	180.1	169.2	158.1
-85°	78.8	83.2	86.7	88.4	89.4	89.7	89.2	86.6	83.6	80.1	76.4
-87.5°	17.2	17.3	17.3	18.0	18.6	19.2	19.6	20.6	21.4	22.1	22.6
-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: P645509 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: GFLD-SA5B-750-U-LAM-VSR-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°	1.1	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.8	0.8	0.8
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.4	1.5	1.6	1.7
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.4	2.5
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	2.0	2.4	2.8
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	2.1	2.5	2.9
75°	1.6	1.6	1.6	1.7	1.7	1.6	1.6	1.7	2.1	2.5	2.9
72.5°	1.6	1.6	1.6	1.8	2.0	2.1	1.9	1.8	2.2	2.5	2.9
70°	1.8	1.7	1.6	1.9	2.3	2.6	2.5	2.5	2.2	2.6	3.0
67.5°	2.4	2.4	2.2	2.2	2.3	2.7	3.1	3.6	3.6	2.7	3.0
65°	2.4	2.8	3.3	4.5	4.0	2.8	3.2	6.3	5.0	4.2	3.0
62.5°	5.3	2.9	10.1	13.5	7.6	6.0	4.8	13.9	8.8	5.9	4.3
60°	12.5	10.3	28.1	45.1	31.5	10.6	15.6	24.1	22.2	7.7	6.0
57.5°	117.0	40.2	58.3	84.3	82.8	45.0	32.8	43.7	37.6	21.7	8.5
55°	249.8	210.2	138.8	127.1	137.3	110.9	72.2	70.8	58.1	40.3	13.8
52.5°	342.7	357.7	311.3	217.5	189.4	180.5	141.0	102.7	91.2	60.4	35.0
50°	496.1	462.0	457.4	383.9	265.6	240.4	208.1	160.4	127.9	86.4	59.1
47.5°	700.9	615.6	570.4	537.5	423.7	306.4	272.9	219.4	168.5	124.5	84.4
45°	1001.6	795.7	708.3	654.8	580.6	430.9	341.5	276.7	219.6	167.1	110.8
42.5°	1303.5	1028.8	865.8	779.3	702.2	571.5	414.9	342.7	269.4	210.5	144.3
40°	1570.0	1269.2	1031.3	920.1	821.5	707.4	533.8	413.4	318.2	255.1	182.5
37.5°	1890.9	1542.8	1221.7	1067.7	948.7	820.8	654.3	487.2	376.9	302.0	220.7
35°	2201.3	1897.1	1434.8	1246.0	1090.2	937.1	770.5	574.4	448.9	349.6	258.9
32.5°	2534.7	2230.3	1756.7	1445.1	1236.8	1056.1	879.0	680.5	521.4	397.8	297.0
30°	2797.1	2449.6	2039.2	1644.3	1396.2	1188.7	987.5	782.3	594.0	446.5	335.4
27.5°	2936.2	2639.4	2262.1	1866.4	1575.6	1324.8	1099.1	879.5	666.5	499.9	375.4
25°	3080.1	2773.1	2421.5	2060.6	1752.8	1468.7	1210.4	972.3	745.7	560.2	415.0
22.5°	3252.2	2886.8	2555.8	2214.4	1935.5	1614.7	1327.0	1066.2	824.9	619.2	454.0
20°	3425.0	2992.3	2688.4	2423.8	2114.8	1772.7	1448.9	1157.8	899.6	676.8	492.1
17.5°	3606.4	3184.0	2913.5	2628.1	2293.6	1925.7	1569.1	1246.5	969.7	732.5	529.2
15°	3922.1	3471.0	3140.2	2826.9	2471.4	2072.9	1686.3	1331.8	1035.1	786.0	563.6
12.5°	4208.7	3738.1	3367.1	3019.1	2646.3	2213.2	1799.4	1412.9	1095.6	828.7	594.3
10°	4445.9	3985.9	3591.4	3203.6	2816.1	2345.8	1907.2	1478.9	1132.0	860.5	622.6
7.5°	4640.1	4214.8	3810.0	3379.2	2962.0	2432.4	1961.6	1517.5	1160.1	887.6	648.3
5°	4780.5	4367.6	3926.2	3440.4	3007.5	2468.0	1998.5	1548.8	1182.8	910.3	671.6
2.5°	4820.9	4414.6	3969.8	3473.9	3038.3	2491.0	2024.9	1572.8	1200.3	928.6	692.2
0°	4844.4	4445.5	3997.1	3494.5	3054.1	2502.0	2040.8	1589.3	1212.7	943.0	710.1
-2.5°	4877.3	4472.1	4023.5	3547.4	3064.6	2535.5	2049.8	1600.0	1228.3	948.2	720.6
-5°	4893.7	4482.6	4036.2	3583.0	3061.8	2555.4	2048.7	1603.4	1238.5	950.0	728.2
-7.5°	4886.5	4479.0	4036.7	3594.2	3048.0	2560.0	2037.6	1599.9	1242.7	948.6	733.0
-10°	4864.5	4460.9	4021.2	3565.3	3035.2	2542.0	2017.8	1589.7	1240.2	944.6	734.8
-12.5°	4831.0	4426.9	3989.7	3523.8	3008.6	2504.7	1994.4	1572.2	1230.2	938.1	733.6
-15°	4787.5	4377.6	3941.8	3471.1	2964.9	2455.0	1959.3	1546.9	1210.7	930.6	729.3
-17.5°	4731.7	4313.2	3877.3	3408.5	2903.4	2393.6	1912.1	1514.0	1186.3	921.6	720.5
-20°	4632.2	4226.7	3795.4	3337.4	2823.5	2320.7	1852.7	1473.4	1157.3	908.7	707.9



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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°	4520.2	4119.6	3693.2	3241.4	2727.3	2236.9	1780.9	1425.2	1123.8	892.0	692.8
-25°	4400.9	3999.1	3574.5	3108.5	2620.9	2148.4	1708.9	1369.3	1086.0	871.2	675.3
-27.5°	4260.7	3862.5	3440.0	2962.2	2497.5	2045.7	1640.0	1319.8	1049.5	846.5	655.4
-30°	4103.2	3702.0	3271.8	2806.0	2362.2	1926.9	1562.6	1266.9	1018.7	819.5	633.3
-32.5°	3922.6	3525.1	3085.4	2646.2	2219.2	1800.9	1477.2	1210.4	983.0	790.9	612.8
-35°	3717.1	3319.3	2887.9	2474.7	2067.8	1699.1	1393.7	1150.4	942.5	759.9	591.2
-37.5°	3503.0	3098.4	2690.4	2295.5	1906.8	1588.8	1318.6	1091.2	897.4	726.7	567.3
-40°	3258.5	2871.2	2483.2	2111.0	1767.4	1470.5	1237.3	1032.7	854.7	691.4	541.2
-42.5°	3006.7	2632.8	2267.0	1915.6	1629.8	1374.1	1152.2	969.8	809.6	657.3	512.9
-45°	2735.1	2381.1	2037.0	1751.0	1489.9	1272.0	1077.7	904.6	761.5	622.4	483.7
-47.5°	2448.7	2115.8	1828.1	1579.5	1370.9	1169.5	998.5	848.1	711.0	585.0	454.4
-50°	2145.3	1868.8	1635.6	1430.4	1242.7	1077.2	919.6	789.0	664.7	543.6	423.6
-52.5°	1876.4	1654.9	1462.0	1286.3	1129.6	980.1	851.5	728.4	617.1	504.1	391.5
-55°	1646.1	1464.5	1301.7	1155.5	1017.5	896.8	780.9	674.5	568.1	464.4	359.0
-57.5°	1447.1	1288.4	1158.1	1031.1	917.2	814.3	716.6	619.5	521.1	423.4	333.2
-60°	1256.0	1137.6	1021.6	919.5	823.0	735.7	655.8	564.5	473.7	382.3	304.6
-62.5°	1090.9	989.8	902.1	813.1	733.0	661.8	594.6	510.8	425.0	344.3	273.6
-65°	936.2	858.5	783.8	712.8	646.4	586.0	531.8	455.7	376.1	304.0	241.3
-67.5°	789.2	730.7	672.1	612.6	560.2	511.4	465.0	396.2	325.0	261.6	209.4
-70°	658.0	608.0	562.1	517.8	475.4	434.7	390.9	332.8	271.6	223.6	176.6
-72.5°	534.1	497.5	459.4	423.0	391.7	355.9	315.6	270.3	227.4	185.0	143.2
-75°	419.4	395.3	368.4	339.5	310.3	278.3	251.7	220.0	182.6	145.6	115.4
-77.5°	335.5	312.0	285.1	262.1	242.5	220.6	196.5	169.0	139.3	113.3	89.2
-80°	247.5	229.5	214.3	201.0	182.9	163.0	142.9	122.9	101.3	81.1	62.5
-82.5°	151.0	147.0	142.8	136.7	121.6	106.8	92.3	78.0	62.7	48.5	40.1
-85°	75.5	74.0	71.7	68.5	59.3	50.2	46.0	41.8	36.6	31.6	26.8
-87.5°	24.8	26.7	28.2	29.3	27.2	25.1	23.0	20.9	18.3	15.8	13.4
-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):

	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°	0.8	0.7	0.6	0.4	0.3	0.2	0.0
85°	1.7	1.4	1.1	0.8	0.6	0.3	0.0
82.5°	2.5	2.1	1.7	1.2	0.8	0.5	0.0
80°	3.2	2.8	2.2	1.7	1.1	0.7	0.0
77.5°	3.2	3.2	2.8	2.1	1.4	0.9	0.0
75°	3.2	3.3	3.2	2.5	1.7	1.0	0.0
72.5°	3.3	3.4	3.4	2.9	2.0	1.2	0.0
70°	3.4	3.6	3.5	3.2	2.3	1.4	0.0
67.5°	3.8	3.7	3.7	3.4	2.5	1.6	0.0
65°	4.3	4.2	3.8	3.5	2.8	1.7	0.0
62.5°	5.0	5.3	4.0	3.7	3.1	1.9	0.0
60°	5.9	6.4	4.2	3.9	3.4	2.1	0.0
57.5°	10.9	7.7	5.4	4.0	3.6	2.2	0.0
55°	17.4	9.1	6.8	4.2	3.8	2.4	0.0
52.5°	25.0	11.6	8.2	4.4	3.9	2.5	0.0
50°	33.7	19.8	9.6	4.6	4.1	2.7	0.0
47.5°	45.3	28.6	11.2	5.0	4.3	2.8	0.0
45°	68.3	38.1	12.8	6.2	4.5	3.0	0.0
42.5°	91.9	48.1	14.4	7.4	4.7	3.1	0.0
40°	116.0	58.7	19.4	9.0	4.9	3.3	0.0
37.5°	140.6	69.9	27.7	10.9	5.1	3.4	0.0
35°	165.5	86.9	36.1	13.0	5.3	3.6	0.0
32.5°	192.6	106.5	44.7	15.4	5.5	3.7	0.0
30°	223.5	126.1	53.3	17.9	5.8	3.8	0.0
27.5°	253.8	145.4	64.0	20.6	6.0	3.9	0.0
25°	283.4	164.3	74.9	23.5	6.2	4.0	0.0
22.5°	312.1	183.7	85.8	26.4	6.4	4.2	0.0
20°	339.9	204.5	96.5	29.5	6.6	4.3	0.0
17.5°	367.4	224.6	107.1	32.6	6.8	4.3	0.0
15°	393.8	243.9	117.5	35.7	7.0	4.4	0.0
12.5°	418.5	262.3	127.5	38.8	7.2	4.5	0.0
10°	441.3	279.7	137.0	41.8	7.4	4.6	0.0
7.5°	462.4	296.0	146.1	44.8	7.5	4.7	0.0
5°	481.5	311.0	154.5	47.6	7.7	4.7	0.0
2.5°	498.7	324.6	162.2	50.3	7.9	4.8	0.0
0°	513.8	336.7	169.1	52.7	8.0	4.8	0.0
-2.5°	521.3	344.4	175.5	56.1	9.2	5.1	0.0
-5°	526.8	350.4	181.0	59.3	10.5	5.3	0.0
-7.5°	530.3	354.8	185.5	62.1	11.7	5.6	0.0
-10°	531.9	357.6	188.9	64.5	12.8	5.8	0.0
-12.5°	531.6	358.7	191.1	66.6	13.9	6.0	0.0
-15°	529.5	358.2	192.2	68.2	14.9	6.2	0.0
-17.5°	525.7	356.0	192.1	69.4	15.9	6.4	0.0
-20°	519.7	352.3	190.7	70.1	16.8	6.6	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	511.0	346.9	188.0	70.3	17.6	6.7	0.0
-25°	500.3	338.6	184.0	70.0	18.3	6.8	0.0
-27.5°	487.6	328.2	178.7	69.1	18.9	6.9	0.0
-30°	472.9	316.3	171.9	67.7	19.4	6.9	0.0
-32.5°	456.2	303.1	164.1	65.7	19.8	6.9	0.0
-35°	438.2	288.5	155.4	63.2	20.0	6.9	0.0
-37.5°	418.8	273.8	145.9	60.0	20.2	6.9	0.0
-40°	397.9	260.5	135.4	56.3	20.2	6.8	0.0
-42.5°	375.5	246.3	127.5	52.2	20.1	6.7	0.0
-45°	351.8	231.1	122.1	48.1	19.8	6.6	0.0
-47.5°	326.7	215.1	115.8	43.5	19.5	6.4	0.0
-50°	305.7	198.2	108.4	41.9	19.0	6.2	0.0
-52.5°	284.7	180.5	100.2	41.1	18.4	6.0	0.0
-55°	262.9	167.1	91.0	39.8	17.7	5.8	0.0
-57.5°	240.3	153.5	81.0	38.1	16.8	5.5	0.0
-60°	217.3	138.7	70.4	35.9	15.9	5.2	0.0
-62.5°	196.3	122.7	65.4	33.4	14.9	4.8	0.0
-65°	173.9	105.5	59.7	30.5	13.9	4.5	0.0
-67.5°	150.0	91.2	53.4	27.2	12.7	4.1	0.0
-70°	124.8	79.8	46.4	23.6	11.5	3.7	0.0
-72.5°	105.5	67.6	39.0	20.8	10.2	3.3	0.0
-75°	86.3	54.6	31.0	18.1	8.9	2.8	0.0
-77.5°	66.1	41.0	25.6	15.2	7.5	2.4	0.0
-80°	45.1	31.2	20.7	12.3	6.0	1.9	0.0
-82.5°	33.1	23.6	15.7	9.3	4.6	1.5	0.0
-85°	22.2	15.8	10.5	6.2	3.1	1.0	0.0
-87.5°	11.1	7.9	5.3	3.1	1.5	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)