

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: EPHESUS

Report Number: P701350 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-80-3S-VHE-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701350 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320L-40-80-3S-VHE-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

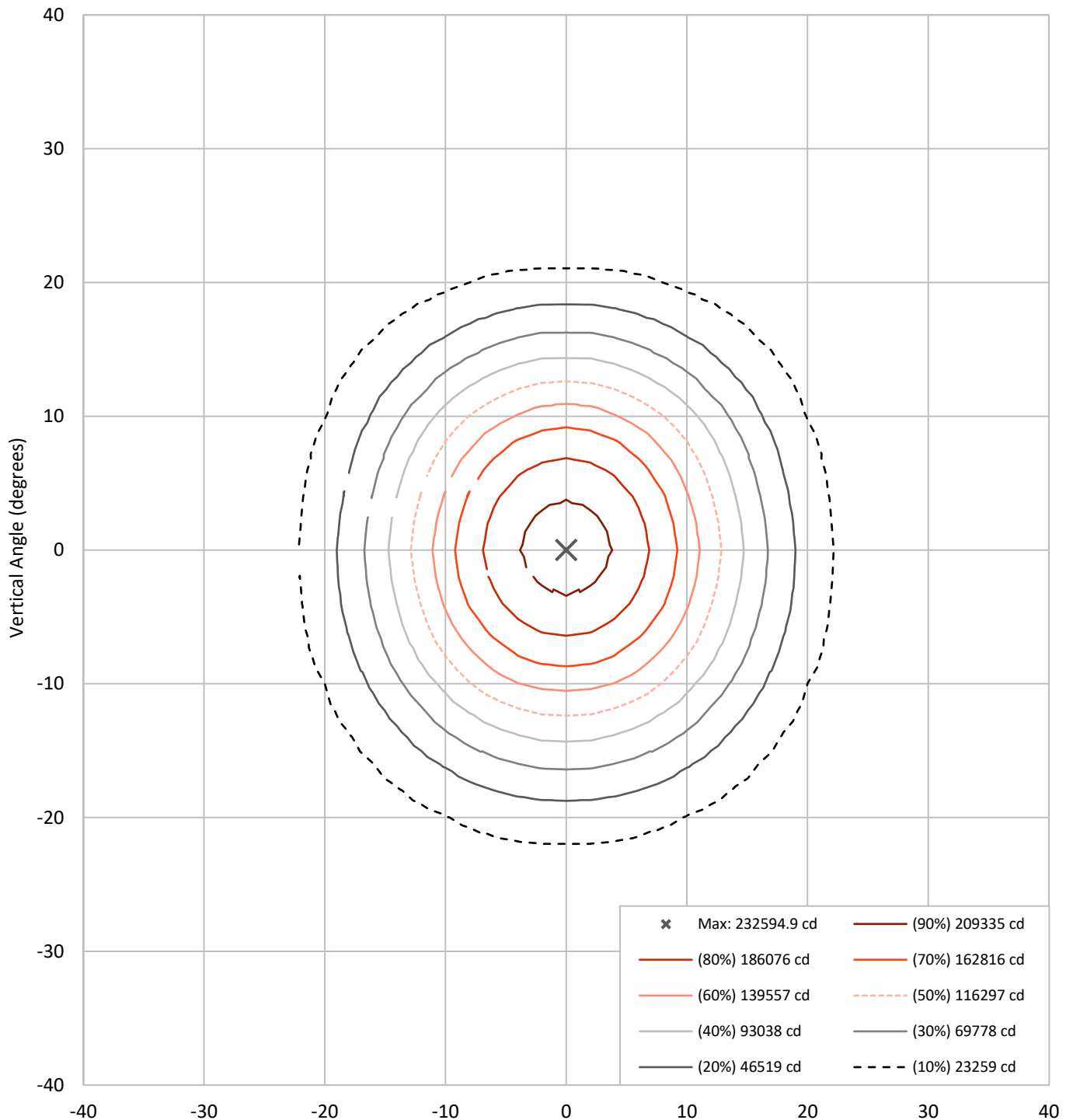
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	52257.2 lumens	Max Intensity:	232594.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	151.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	25.7°H x 24.9°V	Field Angle (10%):	44.2°H x 43°V
Beam Lumens:	25002.8 lumens	Field Lumens:	43811.2 lumens
Beam Efficiency:	47.8%	Field Efficiency:	83.8%

Input Watts (W): 344.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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





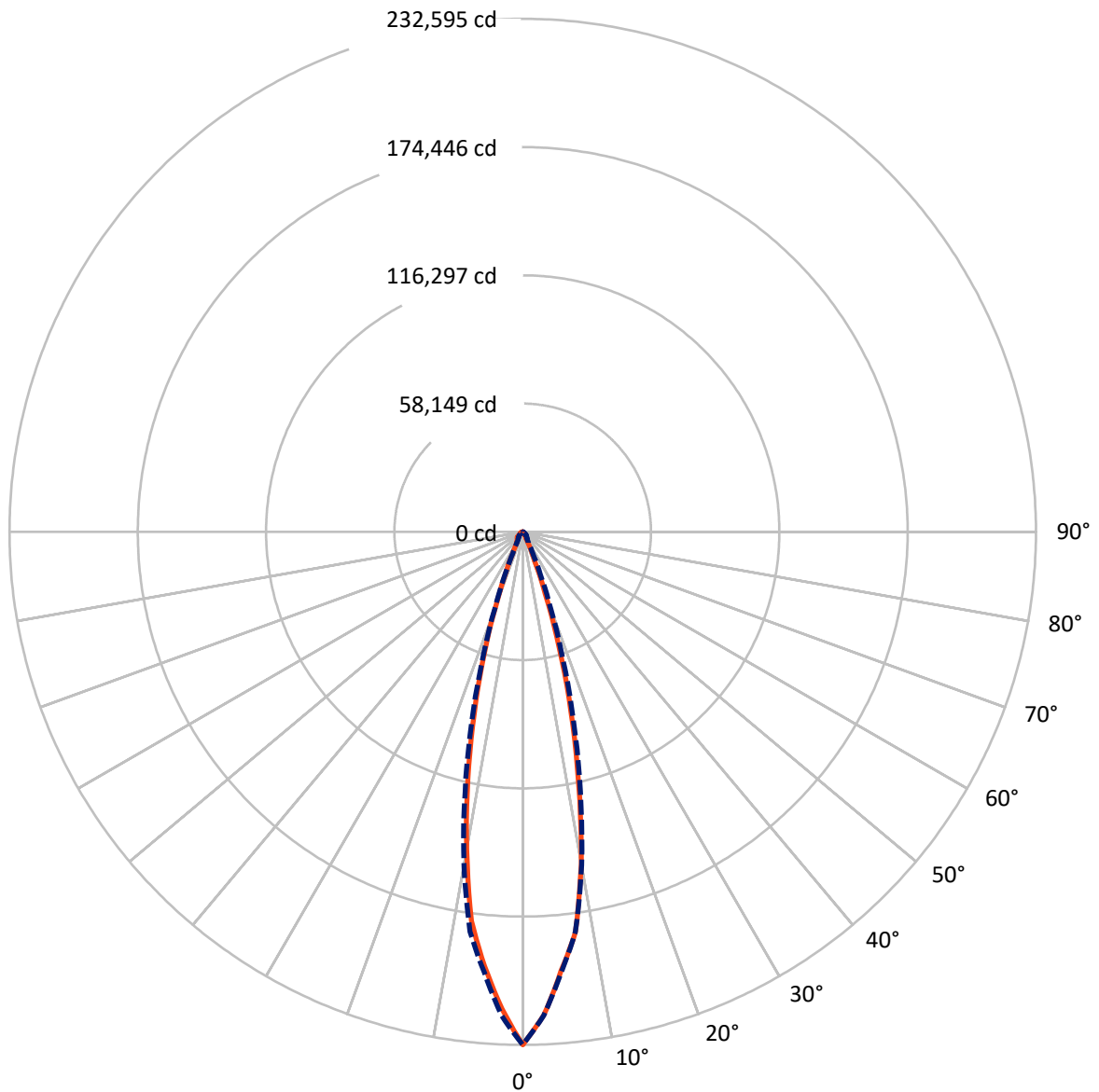
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### Lumen Table

90	0.1		0.4		0.8		1.2		1.5		1.2		0.8		0.4		0.1
80	0.1		0.4		0.8		1.2		1.5		1.2		0.8		0.4		0.1
70	0.2	0.1	0.1	0.4	0.5	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.4	0.1	0.1	0.2	
60		0.2	0.5	0.7	0.6	0.6	0.8	0.9	0.9	0.8	0.6	0.6	0.7	0.5	0.2		
50	0.5	0.7	1.8	3.6	6.8	11.5	16.4	18.6	18.6	16.4	11.5	6.8	3.6	1.8	0.7	0.5	
40		1.8	5.5	11.4	21.5	35.7	43.2	50.7	50.7	43.2	35.7	21.5	11.4	5.5	1.8		
30	1.2	3.0	9.3	20.5	45.8	58.9	127.3	278.4	278.4	127.3	58.9	45.8	20.5	9.3	3.0	1.2	
20		4.0	12.3	33.3	65.8	159.0	957.8	2315.6	2315.6	957.8	159.0	65.8	33.3	12.3	4.0		
10	1.8	4.8	14.2	42.4	79.7	353.0	2326.3	5298.7	5298.7	2326.3	353.0	79.7	42.4	14.2	4.8	1.8	
0		5.3	15.6	44.8	88.2	363.8	2340.4	5243.6	5243.6	2340.4	363.8	88.2	44.8	15.6	5.3		
-10	1.9	5.4	16.1	43.3	87.9	195.0	998.7	2337.2	2337.2	998.7	195.0	87.9	43.3	16.1	5.4	1.9	
-20		5.0	15.4	34.3	79.1	119.5	207.0	393.7	393.7	207.0	119.5	79.1	34.3	15.4	5.0		
-30	1.6	4.2	13.2	27.4	54.7	95.6	118.0	130.9	130.9	118.0	95.6	54.7	27.4	13.2	4.2	1.6	
-40		3.3	10.1	21.2	34.6	51.1	74.9	93.3	93.3	74.9	51.1	34.6	21.2	10.1	3.3		
-50	1.3	2.2	6.5	13.9	23.3	31.7	38.5	42.7	42.7	38.5	31.7	23.3	13.9	6.5	2.2	1.3	
-60		1.6	3.5	7.2	12.1	16.7	21.1	23.8	23.8	21.1	16.7	12.1	7.2	3.5	1.6		
-70	1.0	5.7		13.2		21.6		26.5		21.6		13.2		5.7		1.0	
-80		5.7		13.2		21.6		26.5		21.6		13.2		5.7			
-90	1.0		5.7		13.2		21.6		26.5		21.6		13.2		5.7		1.0

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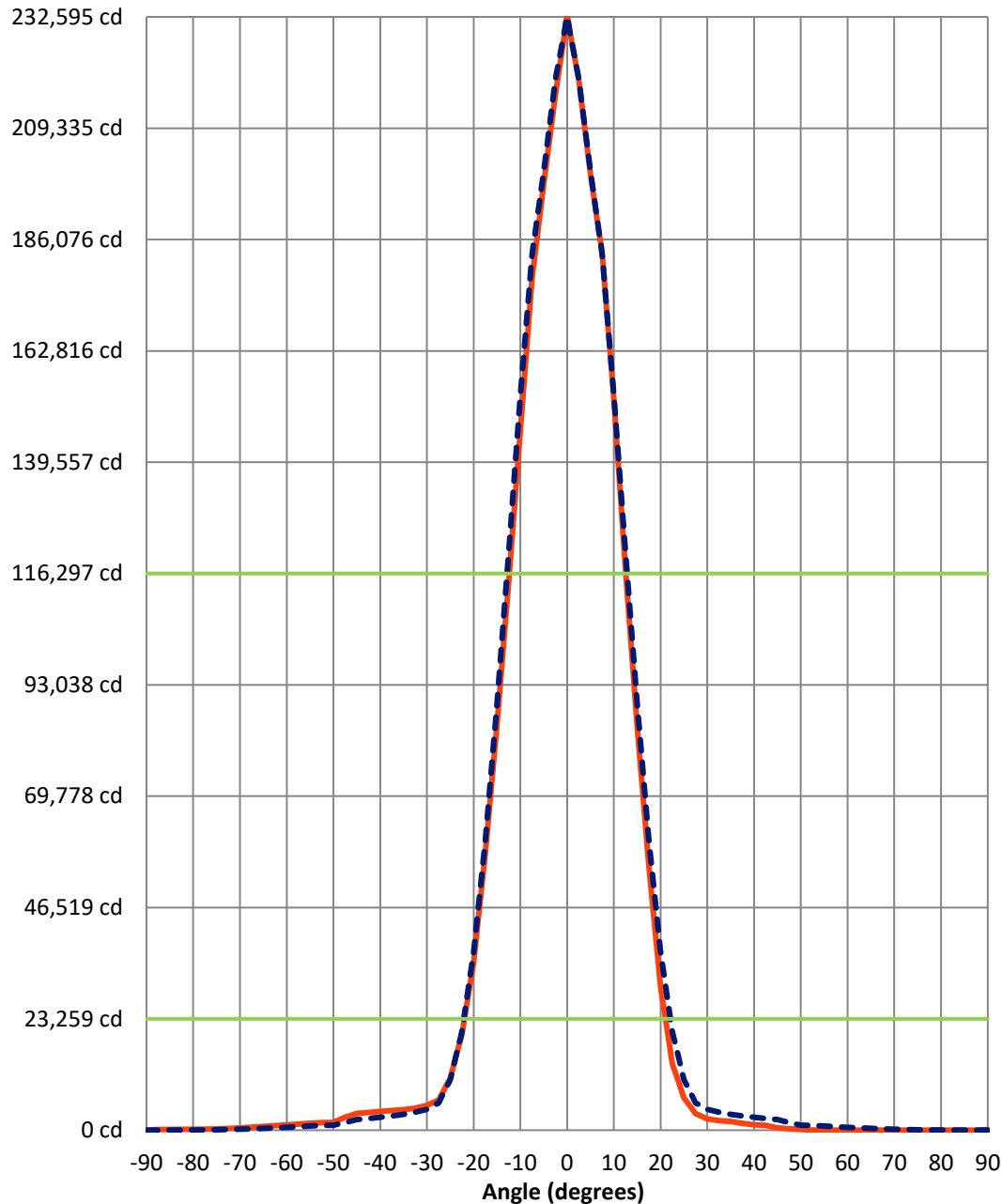
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 25.7°  
 V Angle: 24.9°  
 Lumens: 25002.8  
 Efficiency: 47.8%

**Field:**  
 H Angle: 44.2°  
 V Angle: 43°  
 Lumens: 43811.2  
 Efficiency: 83.8%

**Spill:**  
 Lumens: 8446  
 Efficiency: 16.2%

— 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°	1.9	7.8	13.7	22.1	30.5	37.6	44.8	50.1	55.4	59.8	64.1
87.5°	1.9	2.0	2.0	2.1	2.1	2.1	2.1	1.8	1.6	1.6	1.5
85°	1.9	2.2	2.1	2.2	2.3	2.3	2.2	2.1	2.1	2.0	1.8
82.5°	1.9	2.3	2.2	2.4	2.5	2.5	2.4	2.4	2.5	2.3	2.1
80°	1.9	2.5	2.3	2.5	2.7	2.7	2.6	2.7	2.7	2.6	2.4
77.5°	1.9	2.6	2.5	2.7	2.9	3.0	2.9	3.0	3.0	2.8	2.6
75°	1.9	2.8	2.6	2.8	3.2	3.3	3.2	3.3	3.2	3.2	3.0
72.5°	1.9	3.0	2.7	3.0	3.5	3.7	3.6	3.6	3.7	3.6	3.3
70°	1.9	3.1	2.9	3.2	3.9	4.0	4.0	4.3	4.3	4.1	4.2
67.5°	1.9	3.3	3.1	3.5	4.2	4.4	4.8	5.0	4.9	5.2	5.2
65°	1.9	3.4	3.3	3.9	4.6	5.0	5.6	5.7	6.2	6.4	6.3
62.5°	1.9	3.6	3.5	4.3	5.0	5.9	6.4	6.9	7.6	7.7	7.6
60°	1.9	3.7	3.7	4.7	5.5	6.7	7.3	8.3	9.1	9.3	9.1
57.5°	1.9	3.9	4.1	5.1	6.3	7.6	8.7	9.9	11.1	11.2	12.3
55°	1.9	4.1	4.5	5.5	7.1	8.5	10.2	11.5	13.3	14.0	16.7
52.5°	1.9	4.2	5.0	5.9	8.0	9.5	11.7	13.8	15.8	19.3	21.4
50°	1.9	4.4	5.4	6.3	8.9	10.9	13.2	16.3	19.3	25.1	30.2
47.5°	1.9	4.6	5.9	6.8	9.9	12.4	14.8	18.9	25.1	31.3	40.7
45°	1.9	4.8	6.4	7.5	10.8	13.9	17.2	21.5	31.2	42.0	52.2
42.5°	1.9	4.9	6.8	8.2	11.8	15.4	19.5	26.0	37.6	53.6	70.0
40°	1.9	5.1	7.3	9.1	12.9	17.0	22.1	31.7	45.6	65.9	90.0
37.5°	1.9	5.3	7.8	10.2	14.2	18.7	24.9	37.6	56.9	80.5	111.5
35°	1.9	5.5	8.3	11.2	15.4	20.8	27.8	43.5	68.6	99.4	135.5
32.5°	1.9	5.6	8.8	12.2	16.7	23.0	31.4	49.8	80.8	118.4	159.3
30°	1.9	5.8	9.4	13.3	17.9	25.3	36.6	57.0	93.3	137.4	181.6
27.5°	1.9	6.0	9.9	14.3	19.5	27.6	41.7	66.6	106.0	156.4	202.3
25°	1.9	6.1	10.4	15.3	21.2	29.9	46.7	75.5	118.9	174.2	221.6
22.5°	1.9	6.3	10.9	16.4	22.8	32.2	51.6	84.0	130.6	186.3	242.6
20°	1.9	6.5	11.4	17.4	24.3	34.6	56.3	91.8	141.3	197.5	259.5
17.5°	1.9	6.6	11.9	18.3	25.8	36.8	60.7	99.1	150.8	207.7	275.4
15°	1.9	6.8	12.4	19.3	27.3	39.0	64.7	105.6	159.2	217.1	290.5
12.5°	1.9	6.9	12.8	20.2	28.7	41.0	68.5	111.4	167.8	225.4	304.6
10°	1.9	7.0	13.3	21.1	30.1	42.9	71.9	116.7	176.6	237.9	319.9
7.5°	1.9	7.2	13.7	22.0	31.4	44.7	75.0	121.3	184.7	250.5	339.1
5°	1.9	7.3	14.1	22.8	32.6	46.3	77.8	125.3	192.0	262.3	356.9
2.5°	1.9	7.4	14.5	23.6	33.8	47.8	80.2	128.7	198.3	273.1	373.1
0°	1.9	7.5	14.9	24.3	34.9	49.2	82.2	131.4	203.6	282.7	387.3
-2.5°	1.9	7.8	15.6	25.4	36.4	51.3	84.8	135.9	209.6	289.2	393.9
-5°	1.9	8.1	16.2	26.4	37.9	53.2	87.1	139.6	214.4	294.3	398.4
-7.5°	1.9	8.4	16.8	27.4	39.3	55.0	88.9	142.5	217.9	297.9	400.9
-10°	1.9	8.7	17.4	28.3	40.5	56.6	90.3	144.5	220.1	300.2	401.2
-12.5°	1.9	8.9	17.9	29.1	41.7	58.0	91.3	145.6	220.9	300.8	400.3
-15°	1.9	9.1	18.4	29.8	42.8	59.3	91.8	145.6	219.6	298.9	397.2
-17.5°	1.9	9.4	18.9	30.5	43.7	60.3	91.9	144.3	216.0	295.4	391.3
-20°	1.9	9.6	19.3	31.1	44.5	61.2	91.5	141.9	211.2	290.2	382.6



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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°	1.9	9.8	19.7	31.7	45.3	61.9	90.8	138.6	205.1	283.3	371.1
-25°	1.9	9.9	20.0	32.1	45.8	62.5	89.6	134.4	197.7	274.6	359.1
-27.5°	1.9	10.1	20.3	32.5	46.3	63.0	87.9	129.3	189.0	266.8	350.5
-30°	1.9	10.2	20.6	32.8	46.7	63.4	85.8	123.4	182.0	258.2	340.1
-32.5°	1.9	10.4	20.8	33.0	47.1	63.5	83.2	119.6	176.0	248.1	327.6
-35°	1.9	10.5	20.9	33.1	47.5	63.5	82.2	116.2	168.5	236.6	313.2
-37.5°	1.9	10.5	21.0	33.2	47.7	63.4	81.9	112.5	159.3	223.8	297.9
-40°	1.9	10.6	21.1	33.1	47.8	63.5	81.5	108.0	148.6	211.3	280.7
-42.5°	1.9	10.6	21.1	33.0	47.8	63.5	80.8	102.7	140.6	196.3	260.8
-45°	1.9	10.7	21.1	33.0	47.8	63.3	79.8	98.7	133.6	179.6	238.8
-47.5°	1.9	10.7	21.0	32.9	47.6	63.0	78.5	97.2	125.7	161.6	218.4
-50°	1.9	10.6	20.9	32.8	47.2	62.5	77.6	95.2	116.3	150.9	196.3
-52.5°	1.9	10.6	20.7	32.6	46.8	61.8	76.6	93.0	111.2	139.4	173.6
-55°	1.9	10.5	20.5	32.4	46.2	60.9	75.4	90.4	107.8	127.1	159.1
-57.5°	1.9	10.5	20.2	32.1	45.5	59.8	74.0	88.7	104.0	121.0	144.0
-60°	1.9	10.4	19.9	31.7	44.6	58.6	72.4	86.6	100.3	116.4	131.4
-62.5°	1.9	10.2	19.6	31.3	44.0	57.2	70.7	84.1	97.3	111.3	125.1
-65°	1.9	10.1	19.2	30.8	43.2	55.7	68.8	81.5	94.1	106.7	118.4
-67.5°	1.9	9.9	18.9	30.1	42.3	54.2	66.8	78.8	90.5	102.2	112.9
-70°	1.9	9.8	18.4	29.4	41.3	52.7	64.6	76.0	87.1	97.6	107.7
-72.5°	1.9	9.6	18.0	28.7	40.2	51.0	62.3	72.9	83.4	93.0	102.4
-75°	1.9	9.4	17.4	28.0	39.0	49.2	59.9	69.7	79.6	88.2	96.7
-77.5°	1.9	9.1	16.9	27.1	37.8	47.3	57.3	66.3	75.4	83.2	90.8
-80°	1.9	8.9	16.3	26.3	36.5	45.5	54.5	62.7	71.1	78.1	84.9
-82.5°	1.9	8.6	15.7	25.3	35.1	43.6	52.2	59.3	66.6	72.8	78.9
-85°	1.9	8.4	15.1	24.3	33.6	41.7	49.8	56.3	62.9	68.2	73.4
-87.5°	1.9	8.1	14.4	23.2	32.1	39.7	47.3	53.3	59.2	64.0	68.8
-90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.6	1.2	1.2	1.2





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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°	67.6	71.0	74.1	77.2	80.0	82.8	86.6	90.3	93.1	95.9	98.7
87.5°	1.5	1.5	1.6	1.6	1.4	1.2	1.2	1.2	1.1	1.1	1.1
85°	1.8	1.9	1.9	1.9	1.6	1.4	1.4	1.5	1.5	1.6	1.4
82.5°	2.1	2.2	2.1	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.7
80°	2.4	2.5	2.3	2.1	2.2	2.2	2.1	1.9	1.9	1.9	2.0
77.5°	2.6	2.5	2.4	2.4	2.5	2.6	2.6	2.6	2.6	2.5	2.5
75°	2.8	2.6	2.7	2.6	2.6	2.9	3.1	3.1	3.0	2.9	2.9
72.5°	3.3	3.3	3.1	2.8	2.8	3.1	3.1	3.1	3.9	5.1	6.2
70°	4.1	4.0	3.8	3.5	3.4	3.6	4.7	6.4	8.3	10.1	11.8
67.5°	4.9	4.8	4.5	4.5	5.2	6.2	7.6	11.9	16.5	18.1	18.4
65°	5.8	5.7	5.8	6.5	7.4	10.5	14.5	19.8	24.2	23.9	22.0
62.5°	6.8	7.7	7.8	9.3	12.4	16.1	20.8	25.3	29.2	27.3	22.8
60°	9.8	10.4	11.9	14.7	17.9	21.6	26.5	27.9	28.9	28.2	22.1
57.5°	13.6	15.2	18.2	20.8	24.6	26.3	26.7	26.4	28.1	27.0	20.8
55°	19.0	21.8	25.8	28.5	30.7	27.5	27.1	28.8	28.6	26.2	20.2
52.5°	27.2	30.1	35.6	37.6	35.8	33.3	32.4	33.9	32.7	29.4	25.5
50°	36.0	43.0	46.6	48.2	45.1	44.7	41.5	43.5	45.3	43.7	49.2
47.5°	49.5	57.9	60.6	63.5	62.0	67.7	64.8	75.5	76.2	107.5	117.0
45°	65.7	77.1	80.2	87.7	96.0	105.9	123.2	127.7	179.2	210.6	247.7
42.5°	85.3	99.6	112.5	116.8	153.7	173.8	199.6	247.5	295.5	334.9	362.5
40°	110.5	125.1	152.3	184.7	224.0	258.1	307.4	362.9	408.6	438.8	453.1
37.5°	138.3	166.7	202.3	254.8	302.6	346.0	408.9	464.5	505.0	532.9	536.6
35°	168.1	208.5	266.7	319.9	369.3	428.1	490.6	554.5	587.6	599.7	651.1
32.5°	202.9	249.1	318.2	375.9	431.6	498.2	564.7	619.8	649.1	683.1	857.3
30°	235.7	291.8	360.5	421.9	490.8	566.7	630.3	682.3	702.5	881.4	1163.1
27.5°	262.0	328.8	397.8	471.8	551.0	637.8	701.9	735.5	851.6	1116.4	1523.7
25°	286.4	358.4	435.5	527.9	617.9	704.0	769.2	790.7	1032.0	1481.1	1784.6
22.5°	310.4	387.2	477.0	587.2	679.4	759.7	814.2	944.9	1290.8	1859.4	2017.0
20°	334.3	421.3	522.2	632.1	733.8	808.7	850.6	1107.6	1604.9	2004.8	2182.1
17.5°	357.4	455.7	563.6	669.8	772.4	848.3	902.5	1244.7	1853.8	2135.2	2309.8
15°	379.9	485.0	595.6	705.3	809.8	883.0	1030.0	1446.0	2008.4	2293.0	2477.4
12.5°	401.4	510.0	619.2	736.0	846.1	916.7	1162.3	1689.9	2169.6	2448.5	2647.7
10°	421.7	531.1	639.7	764.1	879.9	946.1	1286.4	1917.8	2317.2	2559.2	2739.8
7.5°	442.2	550.1	658.2	789.5	911.6	972.8	1391.4	2042.4	2375.1	2632.2	2804.7
5°	460.3	567.6	680.2	820.7	942.5	997.4	1480.0	2126.3	2393.5	2668.8	2851.4
2.5°	475.8	582.2	699.4	849.9	970.2	1019.7	1540.3	2190.3	2415.7	2694.7	2909.5
0°	488.8	594.0	715.5	874.9	993.8	1039.9	1580.3	2224.8	2429.7	2706.1	2973.9
-2.5°	498.3	609.7	741.2	896.1	1013.1	1061.0	1592.9	2239.6	2450.1	2769.0	3118.5
-5°	505.4	622.3	762.8	912.9	1028.8	1080.5	1583.9	2225.8	2474.4	2827.0	3210.3
-7.5°	509.8	631.4	779.3	925.5	1042.0	1102.4	1556.9	2210.0	2550.7	2899.7	3256.5
-10°	511.8	636.1	781.9	930.2	1052.5	1124.3	1510.8	2156.3	2605.9	2927.5	3260.4
-12.5°	513.6	637.0	778.8	929.4	1059.0	1144.4	1452.7	2091.9	2656.7	2938.0	3236.8
-15°	512.0	635.1	771.9	923.6	1067.4	1169.8	1378.4	1972.4	2679.3	2927.0	3192.4
-17.5°	506.9	630.2	762.4	916.2	1072.7	1193.4	1281.1	1788.3	2557.5	2893.2	3158.7
-20°	498.0	621.4	748.9	901.9	1069.8	1203.7	1278.6	1653.5	2302.3	2826.8	3108.5



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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°	486.4	608.9	732.7	883.0	1053.0	1199.5	1296.4	1504.9	2013.1	2729.6	3032.8
-25°	472.7	593.0	716.0	862.5	1029.5	1191.4	1306.3	1368.1	1774.1	2400.0	2912.7
-27.5°	457.0	574.1	697.0	835.3	998.8	1167.4	1290.3	1371.9	1579.7	2023.1	2730.2
-30°	438.4	552.3	672.5	803.6	961.2	1122.2	1263.1	1366.9	1427.6	1765.9	2334.4
-32.5°	417.3	527.2	644.6	773.3	918.7	1073.5	1222.4	1334.8	1418.0	1528.8	1961.7
-35°	397.2	501.5	613.6	739.2	873.3	1018.6	1158.4	1291.0	1395.3	1466.7	1642.7
-37.5°	379.5	473.6	581.2	702.2	831.2	955.6	1089.1	1225.9	1345.5	1444.1	1506.4
-40°	359.2	443.4	547.9	662.1	777.1	892.0	1016.7	1147.2	1279.0	1387.3	1482.3
-42.5°	336.4	418.0	511.5	615.6	721.2	829.7	940.7	1064.4	1188.6	1312.1	1412.2
-45°	311.2	389.7	472.8	566.3	662.1	764.4	869.7	976.5	1094.0	1210.6	1320.2
-47.5°	282.8	358.2	437.4	513.7	602.7	696.6	794.9	895.7	996.2	1103.3	1209.2
-50°	253.1	323.2	396.3	466.1	542.2	627.7	717.9	811.7	906.6	996.4	1089.5
-52.5°	225.6	284.9	351.8	418.9	485.6	558.3	639.8	724.6	812.4	899.8	978.6
-55°	196.0	249.3	304.9	368.2	432.0	494.9	561.1	637.7	712.3	792.7	870.1
-57.5°	173.8	213.0	261.8	314.4	374.2	435.0	493.5	551.2	616.3	683.5	751.8
-60°	156.2	183.7	220.9	265.8	312.9	369.0	426.5	479.8	528.9	579.0	640.8
-62.5°	139.8	162.4	188.3	219.5	260.4	302.1	351.7	402.5	450.2	496.0	542.0
-65°	131.9	143.7	163.3	186.6	210.0	245.5	283.5	322.4	366.1	408.1	450.9
-67.5°	123.5	134.7	145.6	158.3	179.3	200.0	220.6	254.8	289.1	320.0	351.1
-70°	117.1	125.9	135.6	145.1	154.6	166.8	185.5	204.6	223.2	243.7	269.8
-72.5°	110.8	118.6	126.5	134.2	142.8	151.5	160.5	169.8	183.4	199.3	213.5
-75°	104.3	111.2	118.1	125.0	132.1	139.3	146.9	155.1	163.6	172.1	179.7
-77.5°	97.7	104.2	110.1	115.8	121.9	128.4	135.1	141.9	148.8	155.8	161.8
-80°	91.0	97.1	102.3	107.4	112.6	117.9	123.7	129.5	135.3	141.2	146.4
-82.5°	84.1	89.4	94.0	98.6	103.1	107.5	112.5	117.5	122.6	127.7	132.0
-85°	77.5	81.5	85.5	89.5	93.4	97.3	101.7	106.1	110.4	114.7	118.4
-87.5°	72.6	76.3	79.6	82.9	86.1	89.2	93.0	96.8	100.2	103.5	106.6
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.9	0.6	0.6



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	101.5	103.4	105.2	106.8	108.3	110.5	112.7	115.8	118.9	122.7	126.4
87.5°	1.1	1.1	1.1	0.9	0.6	0.6	0.6	0.6	0.6	0.9	1.2
85°	1.2	1.2	1.2	1.4	1.6	1.7	1.7	1.8	1.8	1.9	1.9
82.5°	1.5	1.6	1.6	1.8	1.9	1.9	1.9	1.9	1.9	2.2	2.5
80°	2.1	2.1	2.2	2.2	2.3	2.1	1.9	1.9	1.9	2.2	2.5
77.5°	2.6	2.6	2.5	2.4	2.2	2.0	1.9	1.9	1.9	1.9	1.9
75°	3.0	3.1	3.3	3.5	3.8	3.9	3.6	3.7	3.9	3.8	3.6
72.5°	6.8	7.0	7.0	7.8	8.6	8.9	9.2	9.8	10.5	11.4	12.5
70°	13.4	14.8	15.3	15.4	14.8	14.4	14.1	14.0	14.2	14.9	15.7
67.5°	19.3	19.9	19.6	19.3	18.2	16.8	15.2	14.4	14.7	15.4	16.4
65°	21.8	20.1	18.9	18.4	17.3	15.6	13.2	11.6	11.2	11.0	10.9
62.5°	19.6	16.5	15.1	14.3	12.7	11.2	9.1	7.4	6.7	6.3	6.2
60°	17.1	13.2	10.9	9.8	8.2	6.3	5.2	4.0	3.6	3.4	3.4
57.5°	14.9	11.0	8.3	7.8	6.3	5.0	4.0	2.9	2.7	2.5	2.6
55°	15.3	13.4	11.2	10.0	8.3	7.6	6.6	6.0	5.5	5.6	6.0
52.5°	21.6	23.2	20.4	19.7	24.5	24.6	20.3	26.9	30.9	34.0	34.8
50°	55.8	55.4	73.6	70.5	87.3	101.1	101.7	110.0	125.9	136.8	142.7
47.5°	148.1	164.7	185.9	208.2	225.6	247.4	269.4	285.9	289.9	290.3	293.2
45°	278.8	302.5	334.4	357.8	390.8	411.2	428.0	443.3	478.5	511.1	548.9
42.5°	389.3	415.2	448.3	495.9	530.6	623.3	765.1	800.0	805.0	833.9	875.9
40°	476.5	510.5	584.0	688.3	910.4	1109.7	1145.6	1175.5	1188.7	1172.7	1201.2
37.5°	582.1	661.8	827.3	1112.4	1217.8	1272.0	1310.2	1333.1	1360.9	1386.6	1400.6
35°	757.5	979.5	1124.5	1276.9	1345.8	1373.2	1401.3	1429.5	1451.3	1479.8	1502.6
32.5°	1117.3	1364.6	1379.1	1416.7	1452.7	1488.5	1514.6	1541.5	1564.8	1601.7	1679.1
30°	1479.9	1533.8	1547.0	1550.4	1583.2	1626.0	1648.7	1703.0	1776.3	1860.4	2039.3
27.5°	1672.9	1710.0	1717.8	1721.4	1736.7	1787.3	1881.3	1955.4	2131.4	2344.9	2804.7
25°	1908.0	1934.3	1962.3	1961.1	1984.3	2074.0	2257.8	2414.2	3008.6	3564.8	4763.0
22.5°	2132.2	2211.9	2251.7	2304.9	2383.6	2547.0	2869.4	3774.7	5288.4	7220.2	9625.0
20°	2288.0	2395.3	2502.3	2650.9	2841.1	3180.1	4187.0	6896.2	10131.6	14826.3	18763.9
17.5°	2445.2	2566.4	2755.6	2984.9	3304.2	4442.6	7394.6	11994.7	18638.9	26973.5	34286.2
15°	2650.2	2794.0	3047.3	3374.6	4267.1	6697.2	11621.5	19991.9	30092.3	41808.3	54098.4
12.5°	2789.7	2988.0	3289.1	3711.8	5176.7	9728.0	17656.8	29131.5	43033.1	57795.7	77386.2
10°	2892.9	3130.0	3538.9	4415.3	7071.6	13073.5	22601.3	36921.6	55980.3	78479.4	100877.3
7.5°	2979.5	3298.8	3812.2	4916.5	8706.6	16273.4	28418.4	45824.2	68373.8	95484.1	121530.9
5°	3057.4	3480.6	4075.1	5456.8	10171.5	18590.2	32286.9	52472.7	78585.3	108194.4	136951.9
2.5°	3160.3	3650.8	4245.8	5605.5	10757.9	19874.0	35352.2	57841.3	85876.3	117023.0	148311.3
0°	3303.3	3761.6	4350.0	5700.6	10575.5	20678.3	37230.8	60535.6	89071.4	120731.2	153547.3
-2.5°	3415.7	3825.4	4410.8	5623.9	10486.3	20300.1	36383.0	58965.1	85943.3	116535.8	149270.3
-5°	3488.4	3871.1	4437.4	5652.6	10261.3	18854.2	33878.8	54850.0	79573.2	107188.9	137458.4
-7.5°	3530.9	3887.8	4409.8	5472.4	9239.2	16884.5	29421.5	47265.1	69443.8	94997.8	120013.5
-10°	3556.3	3877.0	4352.0	5217.4	7771.5	13721.7	23227.6	38350.5	57567.2	78158.3	98620.1
-12.5°	3565.9	3854.1	4270.6	4852.2	6230.9	10742.5	18490.1	29222.8	43487.5	60378.4	78408.8
-15°	3547.2	3820.9	4191.9	4695.4	5612.7	8053.1	12902.0	20201.6	30834.0	43730.2	56795.9
-17.5°	3477.5	3786.5	4075.4	4462.0	5001.9	6152.7	9103.9	13789.3	20273.2	28797.4	36335.6
-20°	3385.2	3721.7	3969.0	4310.7	4734.6	5261.3	6207.8	9067.2	12702.9	17637.9	22557.9



REPORT NUMBER: P701350 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	3303.0	3610.8	3921.8	4156.4	4488.4	4834.6	5262.0	6080.0	7906.9	10370.7	13489.6
-25°	3227.2	3509.0	3828.1	4081.7	4269.1	4513.8	4781.5	5068.1	5688.7	6270.5	7775.1
-27.5°	3120.4	3412.4	3689.1	3959.8	4140.3	4251.4	4433.9	4612.0	4871.8	5102.9	5544.8
-30°	2996.2	3281.9	3545.2	3791.1	3976.0	4092.9	4183.4	4305.8	4443.4	4583.3	4773.2
-32.5°	2553.7	3128.6	3373.7	3595.8	3786.5	3923.8	4019.6	4100.0	4179.4	4269.0	4369.1
-35°	2068.9	2636.6	3189.8	3363.0	3543.2	3725.1	3867.1	3943.0	4012.1	4074.9	4136.1
-37.5°	1682.1	2082.7	2579.2	3051.1	3270.1	3453.7	3624.4	3757.0	3853.9	3912.7	3967.7
-40°	1530.7	1632.2	2014.0	2402.7	2776.3	3115.6	3289.2	3485.2	3644.5	3730.9	3790.8
-42.5°	1494.5	1541.1	1576.7	1822.9	2120.2	2406.3	2722.8	3037.0	3283.6	3448.0	3570.3
-45°	1415.2	1482.3	1535.5	1557.4	1570.9	1779.4	2024.6	2264.6	2541.5	2827.5	3087.2
-47.5°	1302.9	1390.1	1450.2	1497.2	1525.3	1534.1	1551.4	1605.2	1806.2	2017.7	2218.9
-50°	1177.6	1257.5	1329.5	1395.0	1433.9	1465.4	1495.6	1524.5	1549.0	1580.0	1607.9
-52.5°	1051.4	1124.7	1189.4	1246.8	1298.4	1348.2	1396.1	1431.8	1466.8	1504.2	1534.8
-55°	939.1	998.5	1052.7	1103.1	1149.7	1191.7	1235.0	1281.2	1329.0	1375.8	1412.1
-57.5°	819.0	875.8	927.2	969.8	1007.3	1038.6	1078.4	1121.7	1166.7	1208.4	1240.0
-60°	697.8	748.0	795.0	836.4	871.9	901.1	937.8	974.5	1014.6	1050.3	1078.5
-62.5°	582.7	625.1	665.0	701.2	733.5	763.1	795.7	828.4	866.1	899.3	926.3
-65°	487.1	519.9	547.3	572.9	592.9	618.5	650.0	680.2	713.1	741.8	765.8
-67.5°	383.5	413.8	438.8	461.2	478.8	497.2	520.5	544.5	570.0	592.8	612.9
-70°	293.0	313.4	329.6	346.3	364.4	381.9	400.5	421.1	442.5	461.4	477.9
-72.5°	226.0	236.1	245.6	259.2	271.3	283.5	295.3	310.0	325.9	340.2	353.2
-75°	186.7	193.0	200.3	206.7	212.3	218.8	225.3	234.9	245.3	255.1	264.4
-77.5°	167.6	172.1	175.7	178.7	181.3	185.3	189.5	196.6	204.3	212.6	220.9
-80°	151.3	154.7	157.8	160.4	162.8	166.1	169.4	175.7	182.3	189.3	196.3
-82.5°	136.2	138.9	141.4	143.8	146.1	148.9	151.6	157.1	162.8	168.7	174.5
-85°	122.1	124.4	126.6	128.5	130.4	132.8	135.1	139.8	144.5	149.5	154.4
-87.5°	109.7	111.8	113.8	115.6	117.3	119.4	121.4	125.6	129.7	133.9	138.0
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



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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°	126.7	127.0	127.3	127.6	127.3	127.0	126.7	126.4	122.7	118.9	115.8
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.9	0.6	0.6
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8
82.5°	2.2	1.9	2.2	2.5	2.2	1.9	2.2	2.5	2.2	1.9	1.9
80°	2.2	1.9	2.2	2.5	2.2	1.9	2.2	2.5	2.2	1.9	1.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
75°	3.1	2.5	2.2	1.9	2.2	2.5	3.1	3.6	3.8	3.9	3.7
72.5°	12.8	12.8	13.0	13.1	13.0	12.8	12.8	12.5	11.4	10.5	9.8
70°	16.2	16.6	16.8	16.8	16.8	16.6	16.2	15.7	14.9	14.2	14.0
67.5°	16.6	16.3	15.9	15.6	15.9	16.3	16.6	16.4	15.4	14.7	14.4
65°	10.4	9.7	8.6	7.5	8.6	9.7	10.4	10.9	11.0	11.2	11.6
62.5°	6.0	5.8	5.6	5.6	5.6	5.8	6.0	6.2	6.3	6.7	7.4
60°	3.5	3.7	3.7	3.7	3.7	3.7	3.5	3.4	3.4	3.6	4.0
57.5°	2.7	3.0	3.3	3.7	3.3	3.0	2.7	2.6	2.5	2.7	2.9
55°	6.3	7.1	7.4	7.5	7.4	7.1	6.3	6.0	5.6	5.5	6.0
52.5°	33.6	31.9	30.5	29.3	30.5	31.9	33.6	34.8	34.0	30.9	26.9
50°	145.4	149.1	150.9	150.7	150.9	149.1	145.4	142.7	136.8	125.9	110.0
47.5°	299.3	301.5	299.8	295.1	299.8	301.5	299.3	293.2	290.3	289.9	285.9
45°	595.1	569.3	523.6	483.2	523.6	569.3	595.1	548.9	511.1	478.5	443.3
42.5°	931.7	962.5	985.7	996.3	985.7	962.5	931.7	875.9	833.9	805.0	800.0
40°	1169.1	1136.2	1129.5	1134.5	1129.5	1136.2	1169.1	1201.2	1172.7	1188.7	1175.5
37.5°	1404.2	1434.1	1456.3	1420.3	1456.3	1434.1	1404.2	1400.6	1386.6	1360.9	1333.1
35°	1555.6	1662.1	1787.2	1825.1	1787.2	1662.1	1555.6	1502.6	1479.8	1451.3	1429.5
32.5°	1808.8	1921.3	1970.0	1982.0	1970.0	1921.3	1808.8	1679.1	1601.7	1564.8	1541.5
30°	2211.6	2324.0	2344.3	2360.6	2344.3	2324.0	2211.6	2039.3	1860.4	1776.3	1703.0
27.5°	3109.7	3361.1	3420.7	3462.7	3420.7	3361.1	3109.7	2804.7	2344.9	2131.4	1955.4
25°	5709.0	6362.9	6789.9	6748.5	6789.9	6362.9	5709.0	4763.0	3564.8	3008.6	2414.2
22.5°	12034.6	13318.1	14003.0	13990.8	14003.0	13318.1	12034.6	9625.0	7220.2	5288.4	3774.7
20°	24373.7	28171.4	30227.0	29992.9	30227.0	28171.4	24373.7	18763.9	14826.3	10131.6	6896.2
17.5°	42500.0	49835.0	54959.5	55169.4	54959.5	49835.0	42500.0	34286.2	26973.5	18638.9	11994.7
15°	65717.6	76601.0	84284.0	84283.1	84284.0	76601.0	65717.6	54098.4	41808.3	30092.3	19991.9
12.5°	93974.8	106984.1	115774.7	117093.0	115774.7	106984.1	93974.8	77386.2	57795.7	43033.1	29131.5
10°	121094.3	135829.8	149119.3	152778.3	149119.3	135829.8	121094.3	100877.3	78479.4	55980.3	36921.6
7.5°	144048.7	167228.9	179334.3	183147.0	179334.3	167228.9	144048.7	121530.9	95484.1	68373.8	45824.2
5°	166579.9	186644.4	196807.8	199750.2	196807.8	186644.4	166579.9	136951.9	108194.4	78585.3	52472.7
2.5°	178432.1	196849.2	211134.1	219418.6	211134.1	196849.2	178432.1	148311.3	117023.0	85876.3	57841.3
0°	182891.4	200389.1	219546.5	232594.9	219546.5	200389.1	182891.4	153547.3	120731.2	89071.4	60535.6
-2.5°	178431.1	195362.3	209480.1	216353.5	209480.1	195362.3	178431.1	149270.3	116535.8	85943.3	58965.1
-5°	164910.6	184825.5	195104.4	197706.6	195104.4	184825.5	164910.6	137458.4	107188.9	79573.2	54850.0
-7.5°	143316.4	162469.5	175072.0	177910.6	175072.0	162469.5	143316.4	120013.5	94997.8	69443.8	47265.1
-10°	119275.8	135635.8	144137.8	146240.2	144137.8	135635.8	119275.8	98620.1	78158.3	57567.2	38350.5
-12.5°	92679.9	104677.6	113356.4	114534.4	113356.4	104677.6	92679.9	78408.8	60378.4	43487.5	29222.8
-15°	68985.9	76920.6	83917.5	84721.4	83917.5	76920.6	68985.9	56795.9	43730.2	30834.0	20201.6
-17.5°	46217.0	52786.2	56701.1	57830.7	56701.1	52786.2	46217.0	36335.6	28797.4	20273.2	13789.3
-20°	27691.6	32392.4	35001.4	35099.4	35001.4	32392.4	27691.6	22557.9	17637.9	12702.9	9067.2



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	16065.3	18680.9	20061.3	20034.5	20061.3	18680.9	16065.3	13489.6	10370.7	7906.9	6080.0
-25°	9265.2	10410.4	10867.4	10883.7	10867.4	10410.4	9265.2	7775.1	6270.5	5688.7	5068.1
-27.5°	5899.5	6162.5	6267.8	6284.6	6267.8	6162.5	5899.5	5544.8	5102.9	4871.8	4612.0
-30°	4946.2	5100.1	5170.8	5190.6	5170.8	5100.1	4946.2	4773.2	4583.3	4443.4	4305.8
-32.5°	4463.0	4547.8	4604.9	4596.6	4604.9	4547.8	4463.0	4369.1	4269.0	4179.4	4100.0
-35°	4195.9	4248.3	4280.4	4295.8	4280.4	4248.3	4195.9	4136.1	4074.9	4012.1	3943.0
-37.5°	4022.6	4069.6	4100.0	4109.0	4100.0	4069.6	4022.6	3967.7	3912.7	3853.9	3757.0
-40°	3842.4	3881.4	3906.4	3915.4	3906.4	3881.4	3842.4	3790.8	3730.9	3644.5	3485.2
-42.5°	3647.8	3689.8	3709.7	3709.9	3709.7	3689.8	3647.8	3570.3	3448.0	3283.6	3037.0
-45°	3300.2	3429.3	3493.9	3496.9	3493.9	3429.3	3300.2	3087.2	2827.5	2541.5	2264.6
-47.5°	2402.1	2529.6	2632.1	2708.0	2632.1	2529.6	2402.1	2218.9	2017.7	1806.2	1605.2
-50°	1632.2	1640.7	1641.2	1633.9	1641.2	1640.7	1632.2	1607.9	1580.0	1549.0	1524.5
-52.5°	1558.6	1567.3	1573.6	1577.2	1573.6	1567.3	1558.6	1534.8	1504.2	1466.8	1431.8
-55°	1438.9	1450.0	1454.5	1452.7	1454.5	1450.0	1438.9	1412.1	1375.8	1329.0	1281.2
-57.5°	1261.3	1268.5	1271.9	1270.9	1271.9	1268.5	1261.3	1240.0	1208.4	1166.7	1121.7
-60°	1095.7	1101.1	1104.2	1104.0	1104.2	1101.1	1095.7	1078.5	1050.3	1014.6	974.5
-62.5°	941.4	946.2	949.7	950.2	949.7	946.2	941.4	926.3	899.3	866.1	828.4
-65°	777.9	781.5	783.8	783.3	783.8	781.5	777.9	765.8	741.8	713.1	680.2
-67.5°	621.7	624.3	626.5	626.4	626.5	624.3	621.7	612.9	592.8	570.0	544.5
-70°	483.2	483.4	484.4	483.8	484.4	483.4	483.2	477.9	461.4	442.5	421.1
-72.5°	356.1	355.8	355.6	354.3	355.6	355.8	356.1	353.2	340.2	325.9	310.0
-75°	265.3	264.4	263.5	262.1	263.5	264.4	265.3	264.4	255.1	245.3	234.9
-77.5°	221.8	221.8	220.4	218.6	220.4	221.8	221.8	220.9	212.6	204.3	196.6
-80°	196.7	196.5	195.8	194.9	195.8	196.5	196.7	196.3	189.3	182.3	175.7
-82.5°	175.1	175.4	175.2	175.0	175.2	175.4	175.1	174.5	168.7	162.8	157.1
-85°	155.1	155.6	155.3	155.0	155.3	155.6	155.1	154.4	149.5	144.5	139.8
-87.5°	138.4	138.9	138.9	138.9	138.9	138.9	138.4	138.0	133.9	129.7	125.6
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	112.7	110.5	108.3	106.8	105.2	103.4	101.5	98.7	95.9	93.1	90.3
87.5°	0.6	0.6	0.6	0.9	1.1	1.1	1.1	1.1	1.1	1.1	1.2
85°	1.7	1.7	1.6	1.4	1.2	1.2	1.2	1.4	1.6	1.5	1.5
82.5°	1.9	1.9	1.9	1.8	1.6	1.6	1.5	1.7	1.9	1.9	1.9
80°	1.9	2.1	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.9
77.5°	1.9	2.0	2.2	2.4	2.5	2.6	2.6	2.5	2.5	2.6	2.6
75°	3.6	3.9	3.8	3.5	3.3	3.1	3.0	2.9	2.9	3.0	3.1
72.5°	9.2	8.9	8.6	7.8	7.0	7.0	6.8	6.2	5.1	3.9	3.1
70°	14.1	14.4	14.8	15.4	15.3	14.8	13.4	11.8	10.1	8.3	6.4
67.5°	15.2	16.8	18.2	19.3	19.6	19.9	19.3	18.4	18.1	16.5	11.9
65°	13.2	15.6	17.3	18.4	18.9	20.1	21.8	22.0	23.9	24.2	19.8
62.5°	9.1	11.2	12.7	14.3	15.1	16.5	19.6	22.8	27.3	29.2	25.3
60°	5.2	6.3	8.2	9.8	10.9	13.2	17.1	22.1	28.2	28.9	27.9
57.5°	4.0	5.0	6.3	7.8	8.3	11.0	14.9	20.8	27.0	28.1	26.4
55°	6.6	7.6	8.3	10.0	11.2	13.4	15.3	20.2	26.2	28.6	28.8
52.5°	20.3	24.6	24.5	19.7	20.4	23.2	21.6	25.5	29.4	32.7	33.9
50°	101.7	101.1	87.3	70.5	73.6	55.4	55.8	49.2	43.7	45.3	43.5
47.5°	269.4	247.4	225.6	208.2	185.9	164.7	148.1	117.0	107.5	76.2	75.5
45°	428.0	411.2	390.8	357.8	334.4	302.5	278.8	247.7	210.6	179.2	127.7
42.5°	765.1	623.3	530.6	495.9	448.3	415.2	389.3	362.5	334.9	295.5	247.5
40°	1145.6	1109.7	910.4	688.3	584.0	510.5	476.5	453.1	438.8	408.6	362.9
37.5°	1310.2	1272.0	1217.8	1112.4	827.3	661.8	582.1	536.6	532.9	505.0	464.5
35°	1401.3	1373.2	1345.8	1276.9	1124.5	979.5	757.5	651.1	599.7	587.6	554.5
32.5°	1514.6	1488.5	1452.7	1416.7	1379.1	1364.6	1117.3	857.3	683.1	649.1	619.8
30°	1648.7	1626.0	1583.2	1550.4	1547.0	1533.8	1479.9	1163.1	881.4	702.5	682.3
27.5°	1881.3	1787.3	1736.7	1721.4	1717.8	1710.0	1672.9	1523.7	1116.4	851.6	735.5
25°	2257.8	2074.0	1984.3	1961.1	1962.3	1934.3	1908.0	1784.6	1481.1	1032.0	790.7
22.5°	2869.4	2547.0	2383.6	2304.9	2251.7	2211.9	2132.2	2017.0	1859.4	1290.8	944.9
20°	4187.0	3180.1	2841.1	2650.9	2502.3	2395.3	2288.0	2182.1	2004.8	1604.9	1107.6
17.5°	7394.6	4442.6	3304.2	2984.9	2755.6	2566.4	2445.2	2309.8	2135.2	1853.8	1244.7
15°	11621.5	6697.2	4267.1	3374.6	3047.3	2794.0	2650.2	2477.4	2293.0	2008.4	1446.0
12.5°	17656.8	9728.0	5176.7	3711.8	3289.1	2988.0	2789.7	2647.7	2448.5	2169.6	1689.9
10°	22601.3	13073.5	7071.6	4415.3	3538.9	3130.0	2892.9	2739.8	2559.2	2317.2	1917.8
7.5°	28418.4	16273.4	8706.6	4916.5	3812.2	3298.8	2979.5	2804.7	2632.2	2375.1	2042.4
5°	32286.9	18590.2	10171.5	5456.8	4075.1	3480.6	3057.4	2851.4	2668.8	2393.5	2126.3
2.5°	35352.2	19874.0	10757.9	5605.5	4245.8	3650.8	3160.3	2909.5	2694.7	2415.7	2190.3
0°	37230.8	20678.3	10575.5	5700.6	4350.0	3761.6	3303.3	2973.9	2706.1	2429.7	2224.8
-2.5°	36383.0	20300.1	10486.3	5623.9	4410.8	3825.4	3415.7	3118.5	2769.0	2450.1	2239.6
-5°	33878.8	18854.2	10261.3	5652.6	4437.4	3871.1	3488.4	3210.3	2827.0	2474.4	2225.8
-7.5°	29421.5	16884.5	9239.2	5472.4	4409.8	3887.8	3530.9	3256.5	2899.7	2550.7	2210.0
-10°	23227.6	13721.7	7771.5	5217.4	4352.0	3877.0	3556.3	3260.4	2927.5	2605.9	2156.3
-12.5°	18490.1	10742.5	6230.9	4852.2	4270.6	3854.1	3565.9	3236.8	2938.0	2656.7	2091.9
-15°	12902.0	8053.1	5612.7	4695.4	4191.9	3820.9	3547.2	3192.4	2927.0	2679.3	1972.4
-17.5°	9103.9	6152.7	5001.9	4462.0	4075.4	3786.5	3477.5	3158.7	2893.2	2557.5	1788.3
-20°	6207.8	5261.3	4734.6	4310.7	3969.0	3721.7	3385.2	3108.5	2826.8	2302.3	1653.5





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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5262.0	4834.6	4488.4	4156.4	3921.8	3610.8	3303.0	3032.8	2729.6	2013.1	1504.9
-25°	4781.5	4513.8	4269.1	4081.7	3828.1	3509.0	3227.2	2912.7	2400.0	1774.1	1368.1
-27.5°	4433.9	4251.4	4140.3	3959.8	3689.1	3412.4	3120.4	2730.2	2023.1	1579.7	1371.9
-30°	4183.4	4092.9	3976.0	3791.1	3545.2	3281.9	2996.2	2334.4	1765.9	1427.6	1366.9
-32.5°	4019.6	3923.8	3786.5	3595.8	3373.7	3128.6	2553.7	1961.7	1528.8	1418.0	1334.8
-35°	3867.1	3725.1	3543.2	3363.0	3189.8	2636.6	2068.9	1642.7	1466.7	1395.3	1291.0
-37.5°	3624.4	3453.7	3270.1	3051.1	2579.2	2082.7	1682.1	1506.4	1444.1	1345.5	1225.9
-40°	3289.2	3115.6	2776.3	2402.7	2014.0	1632.2	1530.7	1482.3	1387.3	1279.0	1147.2
-42.5°	2722.8	2406.3	2120.2	1822.9	1576.7	1541.1	1494.5	1412.2	1312.1	1188.6	1064.4
-45°	2024.6	1779.4	1570.9	1557.4	1535.5	1482.3	1415.2	1320.2	1210.6	1094.0	976.5
-47.5°	1551.4	1534.1	1525.3	1497.2	1450.2	1390.1	1302.9	1209.2	1103.3	996.2	895.7
-50°	1495.6	1465.4	1433.9	1395.0	1329.5	1257.5	1177.6	1089.5	996.4	906.6	811.7
-52.5°	1396.1	1348.2	1298.4	1246.8	1189.4	1124.7	1051.4	978.6	899.8	812.4	724.6
-55°	1235.0	1191.7	1149.7	1103.1	1052.7	998.5	939.1	870.1	792.7	712.3	637.7
-57.5°	1078.4	1038.6	1007.3	969.8	927.2	875.8	819.0	751.8	683.5	616.3	551.2
-60°	937.8	901.1	871.9	836.4	795.0	748.0	697.8	640.8	579.0	528.9	479.8
-62.5°	795.7	763.1	733.5	701.2	665.0	625.1	582.7	542.0	496.0	450.2	402.5
-65°	650.0	618.5	592.9	572.9	547.3	519.9	487.1	450.9	408.1	366.1	322.4
-67.5°	520.5	497.2	478.8	461.2	438.8	413.8	383.5	351.1	320.0	289.1	254.8
-70°	400.5	381.9	364.4	346.3	329.6	313.4	293.0	269.8	243.7	223.2	204.6
-72.5°	295.3	283.5	271.3	259.2	245.6	236.1	226.0	213.5	199.3	183.4	169.8
-75°	225.3	218.8	212.3	206.7	200.3	193.0	186.7	179.7	172.1	163.6	155.1
-77.5°	189.5	185.3	181.3	178.7	175.7	172.1	167.6	161.8	155.8	148.8	141.9
-80°	169.4	166.1	162.8	160.4	157.8	154.7	151.3	146.4	141.2	135.3	129.5
-82.5°	151.6	148.9	146.1	143.8	141.4	138.9	136.2	132.0	127.7	122.6	117.5
-85°	135.1	132.8	130.4	128.5	126.6	124.4	122.1	118.4	114.7	110.4	106.1
-87.5°	121.4	119.4	117.3	115.6	113.8	111.8	109.7	106.6	103.5	100.2	96.8
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.9	1.2





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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	86.6	82.8	80.0	77.2	74.1	71.0	67.6	64.1	59.8	55.4	50.1
87.5°	1.2	1.2	1.4	1.6	1.6	1.5	1.5	1.5	1.6	1.6	1.8
85°	1.4	1.4	1.6	1.9	1.9	1.9	1.8	1.8	2.0	2.1	2.1
82.5°	1.9	1.9	1.8	1.9	2.1	2.2	2.1	2.1	2.3	2.5	2.4
80°	2.1	2.2	2.2	2.1	2.3	2.5	2.4	2.4	2.6	2.7	2.7
77.5°	2.6	2.6	2.5	2.4	2.4	2.5	2.6	2.6	2.8	3.0	3.0
75°	3.1	2.9	2.6	2.6	2.7	2.6	2.8	3.0	3.2	3.2	3.3
72.5°	3.1	3.1	2.8	2.8	3.1	3.3	3.3	3.3	3.6	3.7	3.6
70°	4.7	3.6	3.4	3.5	3.8	4.0	4.1	4.2	4.1	4.3	4.3
67.5°	7.6	6.2	5.2	4.5	4.5	4.8	4.9	5.2	5.2	4.9	5.0
65°	14.5	10.5	7.4	6.5	5.8	5.7	5.8	6.3	6.4	6.2	5.7
62.5°	20.8	16.1	12.4	9.3	7.8	7.7	6.8	7.6	7.7	7.6	6.9
60°	26.5	21.6	17.9	14.7	11.9	10.4	9.8	9.1	9.3	9.1	8.3
57.5°	26.7	26.3	24.6	20.8	18.2	15.2	13.6	12.3	11.2	11.1	9.9
55°	27.1	27.5	30.7	28.5	25.8	21.8	19.0	16.7	14.0	13.3	11.5
52.5°	32.4	33.3	35.8	37.6	35.6	30.1	27.2	21.4	19.3	15.8	13.8
50°	41.5	44.7	45.1	48.2	46.6	43.0	36.0	30.2	25.1	19.3	16.3
47.5°	64.8	67.7	62.0	63.5	60.6	57.9	49.5	40.7	31.3	25.1	18.9
45°	123.2	105.9	96.0	87.7	80.2	77.1	65.7	52.2	42.0	31.2	21.5
42.5°	199.6	173.8	153.7	116.8	112.5	99.6	85.3	70.0	53.6	37.6	26.0
40°	307.4	258.1	224.0	184.7	152.3	125.1	110.5	90.0	65.9	45.6	31.7
37.5°	408.9	346.0	302.6	254.8	202.3	166.7	138.3	111.5	80.5	56.9	37.6
35°	490.6	428.1	369.3	319.9	266.7	208.5	168.1	135.5	99.4	68.6	43.5
32.5°	564.7	498.2	431.6	375.9	318.2	249.1	202.9	159.3	118.4	80.8	49.8
30°	630.3	566.7	490.8	421.9	360.5	291.8	235.7	181.6	137.4	93.3	57.0
27.5°	701.9	637.8	551.0	471.8	397.8	328.8	262.0	202.3	156.4	106.0	66.6
25°	769.2	704.0	617.9	527.9	435.5	358.4	286.4	221.6	174.2	118.9	75.5
22.5°	814.2	759.7	679.4	587.2	477.0	387.2	310.4	242.6	186.3	130.6	84.0
20°	850.6	808.7	733.8	632.1	522.2	421.3	334.3	259.5	197.5	141.3	91.8
17.5°	902.5	848.3	772.4	669.8	563.6	455.7	357.4	275.4	207.7	150.8	99.1
15°	1030.0	883.0	809.8	705.3	595.6	485.0	379.9	290.5	217.1	159.2	105.6
12.5°	1162.3	916.7	846.1	736.0	619.2	510.0	401.4	304.6	225.4	167.8	111.4
10°	1286.4	946.1	879.9	764.1	639.7	531.1	421.7	319.9	237.9	176.6	116.7
7.5°	1391.4	972.8	911.6	789.5	658.2	550.1	442.2	339.1	250.5	184.7	121.3
5°	1480.0	997.4	942.5	820.7	680.2	567.6	460.3	356.9	262.3	192.0	125.3
2.5°	1540.3	1019.7	970.2	849.9	699.4	582.2	475.8	373.1	273.1	198.3	128.7
0°	1580.3	1039.9	993.8	874.9	715.5	594.0	488.8	387.3	282.7	203.6	131.4
-2.5°	1592.9	1061.0	1013.1	896.1	741.2	609.7	498.3	393.9	289.2	209.6	135.9
-5°	1583.9	1080.5	1028.8	912.9	762.8	622.3	505.4	398.4	294.3	214.4	139.6
-7.5°	1556.9	1102.4	1042.0	925.5	779.3	631.4	509.8	400.9	297.9	217.9	142.5
-10°	1510.8	1124.3	1052.5	930.2	781.9	636.1	511.8	401.2	300.2	220.1	144.5
-12.5°	1452.7	1144.4	1059.0	929.4	778.8	637.0	513.6	400.3	300.8	220.9	145.6
-15°	1378.4	1169.8	1067.4	923.6	771.9	635.1	512.0	397.2	298.9	219.6	145.6
-17.5°	1281.1	1193.4	1072.7	916.2	762.4	630.2	506.9	391.3	295.4	216.0	144.3
-20°	1278.6	1203.7	1069.8	901.9	748.9	621.4	498.0	382.6	290.2	211.2	141.9



REPORT NUMBER: P701350 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	1296.4	1199.5	1053.0	883.0	732.7	608.9	486.4	371.1	283.3	205.1	138.6
-25°	1306.3	1191.4	1029.5	862.5	716.0	593.0	472.7	359.1	274.6	197.7	134.4
-27.5°	1290.3	1167.4	998.8	835.3	697.0	574.1	457.0	350.5	266.8	189.0	129.3
-30°	1263.1	1122.2	961.2	803.6	672.5	552.3	438.4	340.1	258.2	182.0	123.4
-32.5°	1222.4	1073.5	918.7	773.3	644.6	527.2	417.3	327.6	248.1	176.0	119.6
-35°	1158.4	1018.6	873.3	739.2	613.6	501.5	397.2	313.2	236.6	168.5	116.2
-37.5°	1089.1	955.6	831.2	702.2	581.2	473.6	379.5	297.9	223.8	159.3	112.5
-40°	1016.7	892.0	777.1	662.1	547.9	443.4	359.2	280.7	211.3	148.6	108.0
-42.5°	940.7	829.7	721.2	615.6	511.5	418.0	336.4	260.8	196.3	140.6	102.7
-45°	869.7	764.4	662.1	566.3	472.8	389.7	311.2	238.8	179.6	133.6	98.7
-47.5°	794.9	696.6	602.7	513.7	437.4	358.2	282.8	218.4	161.6	125.7	97.2
-50°	717.9	627.7	542.2	466.1	396.3	323.2	253.1	196.3	150.9	116.3	95.2
-52.5°	639.8	558.3	485.6	418.9	351.8	284.9	225.6	173.6	139.4	111.2	93.0
-55°	561.1	494.9	432.0	368.2	304.9	249.3	196.0	159.1	127.1	107.8	90.4
-57.5°	493.5	435.0	374.2	314.4	261.8	213.0	173.8	144.0	121.0	104.0	88.7
-60°	426.5	369.0	312.9	265.8	220.9	183.7	156.2	131.4	116.4	100.3	86.6
-62.5°	351.7	302.1	260.4	219.5	188.3	162.4	139.8	125.1	111.3	97.3	84.1
-65°	283.5	245.5	210.0	186.6	163.3	143.7	131.9	118.4	106.7	94.1	81.5
-67.5°	220.6	200.0	179.3	158.3	145.6	134.7	123.5	112.9	102.2	90.5	78.8
-70°	185.5	166.8	154.6	145.1	135.6	125.9	117.1	107.7	97.6	87.1	76.0
-72.5°	160.5	151.5	142.8	134.2	126.5	118.6	110.8	102.4	93.0	83.4	72.9
-75°	146.9	139.3	132.1	125.0	118.1	111.2	104.3	96.7	88.2	79.6	69.7
-77.5°	135.1	128.4	121.9	115.8	110.1	104.2	97.7	90.8	83.2	75.4	66.3
-80°	123.7	117.9	112.6	107.4	102.3	97.1	91.0	84.9	78.1	71.1	62.7
-82.5°	112.5	107.5	103.1	98.6	94.0	89.4	84.1	78.9	72.8	66.6	59.3
-85°	101.7	97.3	93.4	89.5	85.5	81.5	77.5	73.4	68.2	62.9	56.3
-87.5°	93.0	89.2	86.1	82.9	79.6	76.3	72.6	68.8	64.0	59.2	53.3
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	44.8	37.6	30.5	22.1	13.7	7.8	1.9
87.5°	2.1	2.1	2.1	2.1	2.0	2.0	1.9
85°	2.2	2.3	2.3	2.2	2.1	2.2	1.9
82.5°	2.4	2.5	2.5	2.4	2.2	2.3	1.9
80°	2.6	2.7	2.7	2.5	2.3	2.5	1.9
77.5°	2.9	3.0	2.9	2.7	2.5	2.6	1.9
75°	3.2	3.3	3.2	2.8	2.6	2.8	1.9
72.5°	3.6	3.7	3.5	3.0	2.7	3.0	1.9
70°	4.0	4.0	3.9	3.2	2.9	3.1	1.9
67.5°	4.8	4.4	4.2	3.5	3.1	3.3	1.9
65°	5.6	5.0	4.6	3.9	3.3	3.4	1.9
62.5°	6.4	5.9	5.0	4.3	3.5	3.6	1.9
60°	7.3	6.7	5.5	4.7	3.7	3.7	1.9
57.5°	8.7	7.6	6.3	5.1	4.1	3.9	1.9
55°	10.2	8.5	7.1	5.5	4.5	4.1	1.9
52.5°	11.7	9.5	8.0	5.9	5.0	4.2	1.9
50°	13.2	10.9	8.9	6.3	5.4	4.4	1.9
47.5°	14.8	12.4	9.9	6.8	5.9	4.6	1.9
45°	17.2	13.9	10.8	7.5	6.4	4.8	1.9
42.5°	19.5	15.4	11.8	8.2	6.8	4.9	1.9
40°	22.1	17.0	12.9	9.1	7.3	5.1	1.9
37.5°	24.9	18.7	14.2	10.2	7.8	5.3	1.9
35°	27.8	20.8	15.4	11.2	8.3	5.5	1.9
32.5°	31.4	23.0	16.7	12.2	8.8	5.6	1.9
30°	36.6	25.3	17.9	13.3	9.4	5.8	1.9
27.5°	41.7	27.6	19.5	14.3	9.9	6.0	1.9
25°	46.7	29.9	21.2	15.3	10.4	6.1	1.9
22.5°	51.6	32.2	22.8	16.4	10.9	6.3	1.9
20°	56.3	34.6	24.3	17.4	11.4	6.5	1.9
17.5°	60.7	36.8	25.8	18.3	11.9	6.6	1.9
15°	64.7	39.0	27.3	19.3	12.4	6.8	1.9
12.5°	68.5	41.0	28.7	20.2	12.8	6.9	1.9
10°	71.9	42.9	30.1	21.1	13.3	7.0	1.9
7.5°	75.0	44.7	31.4	22.0	13.7	7.2	1.9
5°	77.8	46.3	32.6	22.8	14.1	7.3	1.9
2.5°	80.2	47.8	33.8	23.6	14.5	7.4	1.9
0°	82.2	49.2	34.9	24.3	14.9	7.5	1.9
-2.5°	84.8	51.3	36.4	25.4	15.6	7.8	1.9
-5°	87.1	53.2	37.9	26.4	16.2	8.1	1.9
-7.5°	88.9	55.0	39.3	27.4	16.8	8.4	1.9
-10°	90.3	56.6	40.5	28.3	17.4	8.7	1.9
-12.5°	91.3	58.0	41.7	29.1	17.9	8.9	1.9
-15°	91.8	59.3	42.8	29.8	18.4	9.1	1.9
-17.5°	91.9	60.3	43.7	30.5	18.9	9.4	1.9
-20°	91.5	61.2	44.5	31.1	19.3	9.6	1.9



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	90.8	61.9	45.3	31.7	19.7	9.8	1.9
-25°	89.6	62.5	45.8	32.1	20.0	9.9	1.9
-27.5°	87.9	63.0	46.3	32.5	20.3	10.1	1.9
-30°	85.8	63.4	46.7	32.8	20.6	10.2	1.9
-32.5°	83.2	63.5	47.1	33.0	20.8	10.4	1.9
-35°	82.2	63.5	47.5	33.1	20.9	10.5	1.9
-37.5°	81.9	63.4	47.7	33.2	21.0	10.5	1.9
-40°	81.5	63.5	47.8	33.1	21.1	10.6	1.9
-42.5°	80.8	63.5	47.8	33.0	21.1	10.6	1.9
-45°	79.8	63.3	47.8	33.0	21.1	10.7	1.9
-47.5°	78.5	63.0	47.6	32.9	21.0	10.7	1.9
-50°	77.6	62.5	47.2	32.8	20.9	10.6	1.9
-52.5°	76.6	61.8	46.8	32.6	20.7	10.6	1.9
-55°	75.4	60.9	46.2	32.4	20.5	10.5	1.9
-57.5°	74.0	59.8	45.5	32.1	20.2	10.5	1.9
-60°	72.4	58.6	44.6	31.7	19.9	10.4	1.9
-62.5°	70.7	57.2	44.0	31.3	19.6	10.2	1.9
-65°	68.8	55.7	43.2	30.8	19.2	10.1	1.9
-67.5°	66.8	54.2	42.3	30.1	18.9	9.9	1.9
-70°	64.6	52.7	41.3	29.4	18.4	9.8	1.9
-72.5°	62.3	51.0	40.2	28.7	18.0	9.6	1.9
-75°	59.9	49.2	39.0	28.0	17.4	9.4	1.9
-77.5°	57.3	47.3	37.8	27.1	16.9	9.1	1.9
-80°	54.5	45.5	36.5	26.3	16.3	8.9	1.9
-82.5°	52.2	43.6	35.1	25.3	15.7	8.6	1.9
-85°	49.8	41.7	33.6	24.3	15.1	8.4	1.9
-87.5°	47.3	39.7	32.1	23.2	14.4	8.1	1.9
-90°	1.9	1.9	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)



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

Scaled Data Report

