

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: P701704 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-2S-CV2-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701704 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680R-57-70-2S-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

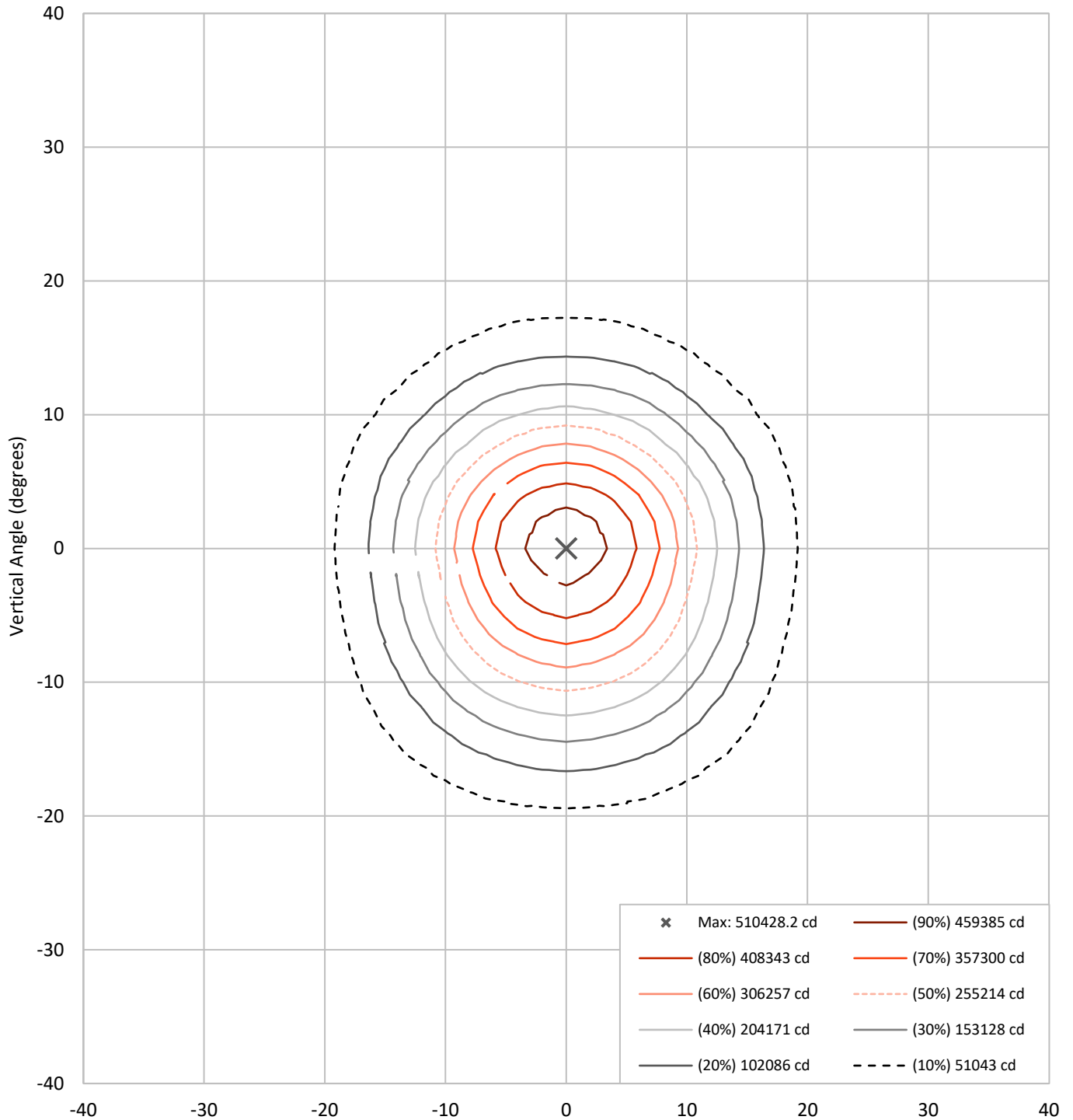
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	79015.3 lumens	Max Intensity:	510428.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	112.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.7°H x 19.8°V	Field Angle (10%):	38.4°H x 36.6°V
Beam Lumens:	36528.1 lumens	Field Lumens:	68142 lumens
Beam Efficiency:	46.2%	Field Efficiency:	86.2%

Input Watts (W): 703.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Iso-Candela Plot





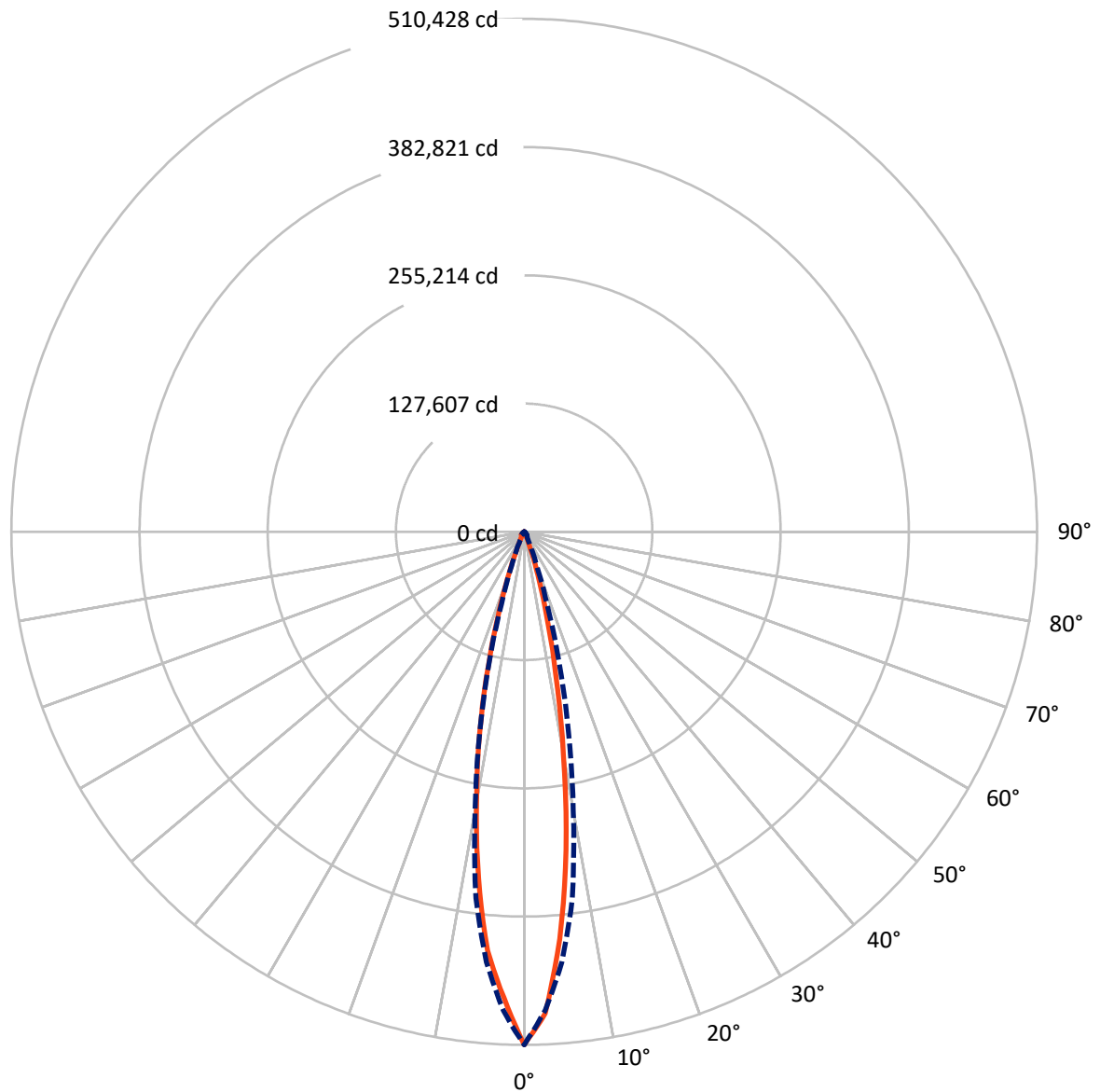
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### Lumen Table

90	0.2		0.5		0.7		0.7		0.7		0.7		0.5		0.2			
80	0.2		0.1	0.2	0.7	0.8	0.5	0.3	0.3	0.3	0.3	0.5	0.8	0.7	0.2	0.1	0.2	
70	0.2		0.1	0.4	0.7	0.5	0.4	0.3	0.3	0.3	0.3	0.4	0.5	0.7	0.4	0.1	0.2	
60	0.2		0.2	0.5	0.6	0.8	1.1	1.4	1.6	1.6	1.4	1.1	0.8	0.6	0.5	0.2	0.2	
50	0.2		0.3	1.0	2.2	4.6	7.4	8.9	10.3	10.3	8.9	7.4	4.6	2.2	1.0	0.3	0.2	
40	0.3		0.5	3.2	11.1	29.3	43.1	75.4	166.0	166.0	75.4	43.1	29.3	11.1	3.2	0.5	0.3	
30	0.3		1.1	7.4	28.5	67.2	131.4	816.6	2548.0	2548.0	816.6	131.4	67.2	28.5	7.4	1.1	0.3	
20	0.4		2.1	12.7	52.9	109.7	353.6	3337.4	9940.7	9940.7	3337.4	353.6	109.7	52.9	12.7	2.1	0.4	
10	0.4		3.4	16.5	62.0	122.9	354.9	3536.9	10363.9	10363.9	3536.9	354.9	122.9	62.0	16.5	3.4	0.4	
0	0.7		3.9	16.8	57.3	121.4	202.9	1302.2	3758.2	3758.2	1302.2	202.9	121.4	57.3	16.8	3.9	0.7	
-10	0.7		3.6	14.2	34.2	86.3	127.0	198.3	388.1	388.1	198.3	127.0	86.3	34.2	14.2	3.6	0.7	
-20	0.5		3.0	10.4	21.4	47.8	91.3	118.3	130.0	130.0	118.3	91.3	47.8	21.4	10.4	3.0	0.5	
-30	0.5		2.0	7.2	15.8	27.0	44.7	77.6	104.8	104.8	77.6	44.7	27.0	15.8	7.2	2.0	0.5	
-40	0.3		1.0	4.3	10.3	18.8	28.1	35.9	40.3	40.3	35.9	28.1	18.8	10.3	4.3	1.0	0.3	
-50	0.3		0.4	1.5	4.8	9.9	16.2	22.7	26.7	26.7	22.7	16.2	9.9	4.8	1.5	0.4	0.3	
-60	0.2		1.2		3.7		9.2		13.3		9.2		3.7		1.2		0.2	
-70	0.2		1.2		3.7		9.2		13.3		9.2		3.7		1.2		0.2	
-80	0.2		1.2		3.7		9.2		13.3		9.2		3.7		1.2		0.2	
-90	0.2		1.2		3.7		9.2		13.3		9.2		3.7		1.2		0.2	

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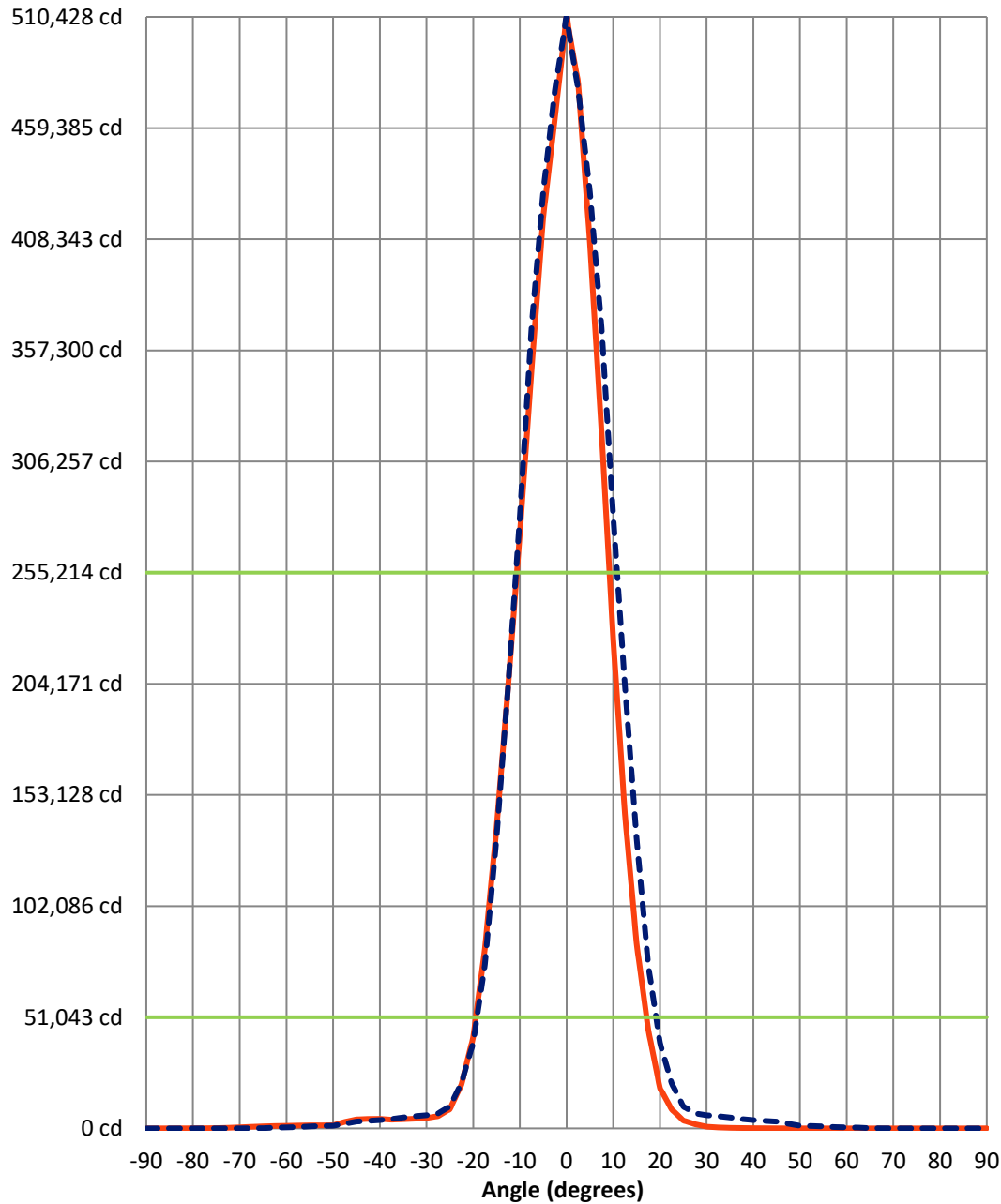
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.7°  
 V Angle: 19.8°  
 Lumens: 36528.1  
 Efficiency: 46.2%

**Field:**  
 H Angle: 38.4°  
 V Angle: 36.6°  
 Lumens: 68142  
 Efficiency: 86.2%

**Spill:**  
 Lumens: 10873.3  
 Efficiency: 13.8%

- 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°	8.2	8.2	8.2	8.7	9.3	9.8	10.3	10.3	10.3	10.3	10.3
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.9	7.5	7.3	7.0
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.0	7.9	7.9	7.9
82.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
75°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
72.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
70°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.3
67.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.2	8.5	8.5
65°	8.2	8.2	8.2	8.2	8.2	8.3	8.3	8.2	8.7	8.9	8.6
62.5°	8.2	8.2	8.2	8.2	8.2	8.4	8.5	8.6	9.1	9.2	8.7
60°	8.2	8.2	8.2	8.2	8.2	8.6	8.6	9.1	9.7	9.3	8.8
57.5°	8.2	8.2	8.2	8.2	8.4	8.8	9.0	9.7	9.9	9.4	8.9
55°	8.2	8.2	8.3	8.2	8.6	9.0	9.4	10.2	10.0	9.5	9.1
52.5°	8.2	8.2	8.3	8.2	8.8	9.3	9.8	10.3	10.1	9.6	9.2
50°	8.2	8.2	8.3	8.2	9.1	9.5	10.1	10.3	10.2	9.8	10.8
47.5°	8.2	8.2	8.4	8.2	9.3	9.7	10.3	10.3	10.3	9.9	12.4
45°	8.2	8.2	8.5	8.4	9.6	9.9	10.3	10.3	10.4	10.8	13.5
42.5°	8.2	8.2	8.5	8.6	9.8	10.1	10.3	10.4	10.5	11.6	15.2
40°	8.2	8.2	8.6	8.9	10.0	10.2	10.3	10.5	10.9	12.1	16.7
37.5°	8.2	8.2	8.7	9.1	10.1	10.3	10.3	10.8	11.8	13.4	18.0
35°	8.2	8.2	8.8	9.3	10.2	10.3	10.3	11.0	12.7	15.5	18.7
32.5°	8.2	8.2	8.9	9.5	10.2	10.3	10.4	11.3	13.7	17.7	20.5
30°	8.2	8.2	9.0	9.7	10.3	10.3	10.6	11.7	14.8	20.0	22.6
27.5°	8.2	8.2	9.1	9.8	10.3	10.3	10.8	12.6	16.3	22.3	25.0
25°	8.2	8.2	9.2	9.9	10.3	10.3	11.1	13.5	18.2	24.5	27.9
22.5°	8.2	8.2	9.3	10.0	10.3	10.3	11.3	14.4	20.1	26.7	33.2
20°	8.2	8.2	9.4	10.1	10.3	10.5	11.6	15.3	21.9	29.0	38.3
17.5°	8.2	8.2	9.5	10.2	10.3	10.7	12.0	16.3	23.8	31.5	43.0
15°	8.2	8.2	9.6	10.2	10.3	10.9	12.4	17.1	25.5	34.0	47.5
12.5°	8.2	8.2	9.8	10.3	10.3	11.1	12.8	17.9	27.3	36.6	51.6
10°	8.2	8.2	9.9	10.3	10.3	11.4	13.1	18.6	29.1	40.6	57.8
7.5°	8.2	8.2	10.0	10.3	10.3	11.6	13.5	19.2	30.8	45.0	69.6
5°	8.2	8.2	10.1	10.3	10.3	11.9	13.8	19.8	32.3	49.4	81.6
2.5°	8.2	8.2	10.2	10.3	10.3	12.2	14.1	20.2	33.8	53.7	93.6
0°	8.2	8.2	10.3	10.3	10.3	12.4	14.4	20.6	35.0	57.7	105.0
-2.5°	8.2	8.2	10.3	10.4	10.5	12.8	16.0	25.4	45.3	75.3	135.6
-5°	8.2	8.3	10.3	10.6	10.7	13.3	17.6	30.0	55.2	92.2	164.5
-7.5°	8.2	8.3	10.3	10.7	10.9	13.6	19.1	34.2	64.3	107.9	190.9
-10°	8.2	8.4	10.2	10.8	11.0	14.0	20.4	38.0	72.5	122.2	214.2
-12.5°	8.2	8.4	10.2	10.9	11.2	14.3	21.5	41.2	79.4	134.5	228.0
-15°	8.2	8.5	10.2	11.0	11.4	14.5	22.4	43.7	85.6	144.1	236.2
-17.5°	8.2	8.5	10.2	11.1	11.6	14.7	23.1	46.5	91.3	152.1	241.8
-20°	8.2	8.5	10.1	11.2	11.7	14.8	23.8	49.1	95.6	158.1	244.5



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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°	8.2	8.6	10.1	11.2	11.9	14.8	24.6	50.5	98.2	162.2	244.4
-25°	8.2	8.6	10.1	11.3	12.1	15.0	25.0	50.4	99.1	164.2	241.3
-27.5°	8.2	8.6	10.0	11.3	12.3	15.2	24.8	48.8	98.2	164.4	242.4
-30°	8.2	8.7	10.0	11.2	12.4	15.3	24.0	45.6	96.2	162.9	241.1
-32.5°	8.2	8.7	10.0	11.2	12.7	15.3	22.6	43.9	92.5	158.9	237.0
-35°	8.2	8.7	10.0	11.1	12.8	15.2	22.0	42.3	86.5	152.4	230.0
-37.5°	8.2	8.7	10.0	11.0	13.0	15.1	21.8	39.7	78.0	143.3	212.3
-40°	8.2	8.7	9.9	10.9	13.1	15.3	21.4	36.2	67.1	131.6	192.8
-42.5°	8.2	8.7	9.9	10.8	13.0	15.3	20.8	31.7	59.5	113.5	171.6
-45°	8.2	8.7	9.9	10.6	12.8	15.3	20.0	28.2	53.3	93.8	148.8
-47.5°	8.2	8.7	9.9	10.5	12.6	15.1	19.0	27.0	45.7	73.4	125.8
-50°	8.2	8.7	9.9	10.4	12.4	14.9	18.5	25.5	36.4	62.6	101.9
-52.5°	8.2	8.7	10.0	10.5	12.1	14.5	18.0	23.8	31.7	50.9	78.3
-55°	8.2	8.7	10.0	10.5	11.8	14.1	17.3	22.0	29.1	38.3	63.7
-57.5°	8.2	8.7	10.0	10.5	11.4	13.6	16.5	20.9	26.4	33.0	48.2
-60°	8.2	8.7	10.0	10.5	11.1	13.1	15.6	19.5	23.8	29.8	36.0
-62.5°	8.2	8.6	9.9	10.4	11.0	12.6	14.9	18.1	22.2	26.6	32.4
-65°	8.2	8.6	9.8	10.4	10.9	12.0	14.1	16.8	20.5	24.4	28.7
-67.5°	8.2	8.6	9.7	10.4	10.8	11.5	13.2	15.8	18.8	22.4	26.1
-70°	8.2	8.5	9.5	10.3	10.6	11.3	12.3	14.8	17.6	20.4	23.9
-72.5°	8.2	8.5	9.4	10.1	10.5	11.0	11.8	13.8	16.4	19.1	21.7
-75°	8.2	8.5	9.2	9.9	10.3	10.7	11.4	13.0	15.2	17.7	20.2
-77.5°	8.2	8.4	9.1	9.7	10.1	10.4	10.9	12.4	14.3	16.3	18.6
-80°	8.2	8.4	8.9	9.5	10.0	10.2	10.4	11.7	13.3	15.1	17.0
-82.5°	8.2	8.3	8.7	9.3	9.8	10.1	10.3	11.2	12.4	13.8	15.4
-85°	8.2	8.3	8.6	9.1	9.6	10.0	10.3	10.9	11.7	12.6	13.7
-87.5°	8.2	8.2	8.4	8.9	9.4	9.9	10.3	10.6	11.0	11.5	12.0
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.7	7.2	6.7	6.2





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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°	10.3	10.3	10.3	10.3	10.8	11.4	11.9	12.4	12.9	13.4	13.9
87.5°	6.9	6.7	6.5	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6
85°	7.6	7.2	6.7	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6
82.5°	7.7	7.2	6.7	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.7
80°	7.8	7.3	6.8	6.3	6.2	6.2	6.2	6.2	5.8	5.4	5.1
77.5°	7.8	7.3	6.8	6.3	6.3	6.6	6.9	7.2	7.2	7.0	6.7
75°	7.9	7.4	7.1	7.1	7.5	7.9	8.2	8.2	7.9	7.4	6.9
72.5°	8.0	7.8	7.8	8.2	8.2	8.2	8.2	8.2	9.2	10.6	11.7
70°	8.1	8.2	8.2	8.2	8.2	8.7	10.8	13.7	16.6	18.8	21.6
67.5°	8.2	8.2	8.2	8.4	9.9	12.3	15.6	23.7	33.1	36.1	36.0
65°	8.2	8.2	8.7	10.1	12.2	18.5	27.4	38.5	46.8	45.5	42.6
62.5°	8.2	8.5	9.6	12.7	18.4	26.7	35.4	43.4	51.3	50.0	43.5
60°	8.4	8.7	12.1	18.0	24.3	30.9	39.2	44.4	49.5	51.0	40.2
57.5°	8.5	10.6	16.4	22.5	28.3	33.1	36.2	40.7	43.7	44.2	33.2
55°	9.6	13.9	20.1	26.1	30.2	28.9	31.2	34.0	35.2	32.5	23.5
52.5°	12.3	17.1	23.2	28.3	28.8	26.6	26.0	27.2	25.2	21.5	18.6
50°	14.6	20.0	25.9	28.8	28.2	25.3	21.6	21.0	20.3	18.8	17.1
47.5°	16.9	22.7	27.9	29.8	27.7	25.1	20.7	20.2	20.3	21.5	20.3
45°	19.0	24.4	29.7	30.0	28.6	26.5	24.6	22.5	26.5	27.8	27.6
42.5°	20.9	25.5	30.2	30.7	31.4	31.0	30.4	32.6	35.0	37.2	37.9
40°	21.7	26.2	31.7	35.8	35.9	37.5	41.7	45.6	45.8	48.5	50.2
37.5°	22.0	28.7	36.3	45.4	42.7	47.7	54.8	65.5	67.0	60.8	69.5
35°	22.0	32.3	48.5	59.1	57.7	61.2	78.0	93.7	100.8	90.7	104.7
32.5°	24.2	36.9	64.2	75.5	85.9	89.8	106.1	137.3	154.7	161.2	172.9
30°	29.3	51.4	82.2	94.4	123.7	143.3	156.9	194.1	226.0	322.6	394.2
27.5°	35.8	69.1	100.2	128.2	171.4	205.0	234.3	272.6	389.6	565.5	748.3
25°	42.0	92.8	119.9	171.9	230.6	276.0	316.2	370.5	615.5	976.1	1130.1
22.5°	54.7	120.1	151.2	221.2	295.2	349.0	407.4	554.1	885.1	1427.0	1490.4
20°	75.4	146.4	194.0	276.4	366.8	422.1	499.6	746.9	1190.3	1604.3	1776.0
17.5°	97.7	175.1	240.9	341.6	451.1	513.8	604.4	932.6	1453.3	1821.8	2052.1
15°	120.9	205.7	286.0	413.0	540.4	626.9	814.2	1187.6	1661.0	2076.7	2412.4
12.5°	144.4	237.4	329.1	488.7	633.9	738.6	1068.5	1576.6	2009.0	2398.3	2854.0
10°	167.6	269.6	369.8	566.5	729.9	848.3	1348.5	1971.8	2396.4	2777.2	3244.4
7.5°	214.2	312.9	412.7	644.2	826.5	955.2	1641.2	2364.6	2751.8	3109.2	3567.5
5°	265.0	366.3	478.8	736.7	923.2	1053.7	1907.8	2744.4	3079.5	3401.7	3849.5
2.5°	314.5	417.1	542.6	825.4	1015.6	1139.1	2044.3	2952.9	3287.8	3625.9	4092.8
0°	360.4	465.4	603.4	906.2	1101.8	1219.2	2143.9	3128.3	3462.0	3814.1	4306.3
-2.5°	398.7	514.5	667.6	944.5	1125.7	1239.6	2111.2	3126.6	3526.9	3918.1	4427.4
-5°	430.6	560.5	726.8	976.3	1144.9	1256.4	2046.4	3077.2	3580.5	4001.3	4518.7
-7.5°	455.7	602.8	780.0	1001.1	1156.7	1264.7	2017.8	3097.8	3676.3	4074.4	4578.3
-10°	469.4	619.7	783.9	1000.0	1158.9	1266.7	1954.8	3055.4	3755.7	4139.4	4603.6
-12.5°	451.1	612.7	773.8	989.7	1159.6	1265.9	1833.5	2943.2	3820.8	4201.3	4580.6
-15°	430.8	602.1	757.1	969.4	1159.7	1262.9	1648.2	2756.3	3783.8	4090.5	4484.6
-17.5°	409.6	588.0	733.8	938.6	1160.2	1257.9	1384.8	2355.3	3414.7	3856.0	4329.7
-20°	388.4	570.2	703.5	896.7	1154.1	1224.2	1283.1	1948.2	2876.5	3557.8	4036.5



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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°	368.3	548.8	672.7	856.7	1064.6	1166.1	1222.1	1554.1	2322.2	3195.3	3598.4
-25°	357.3	517.3	646.0	795.5	971.2	1105.6	1153.8	1222.7	1832.9	2622.4	3198.7
-27.5°	351.7	489.8	610.2	734.7	884.7	1033.0	1085.1	1145.1	1455.7	2061.7	2778.8
-30°	342.5	454.7	572.4	679.1	813.2	940.0	1016.1	1084.7	1169.1	1624.4	2191.6
-32.5°	321.9	418.3	531.4	635.4	746.7	858.9	966.0	1040.8	1109.7	1233.1	1681.7
-35°	297.7	387.4	488.7	590.1	684.1	793.6	905.0	1002.8	1058.5	1115.9	1313.8
-37.5°	277.7	354.8	445.1	543.1	633.5	732.8	840.9	944.3	1021.3	1073.6	1148.7
-40°	256.0	320.4	405.7	495.0	583.6	673.2	772.6	873.2	969.1	1049.3	1109.8
-42.5°	232.8	294.7	366.5	446.4	531.2	615.5	702.3	797.9	898.9	1003.5	1081.9
-45°	207.3	267.6	327.5	402.1	477.3	555.8	636.5	721.0	823.2	923.4	1022.7
-47.5°	180.0	238.4	296.3	357.4	426.6	496.6	568.8	654.8	744.7	839.3	932.6
-50°	151.6	206.1	264.0	319.7	378.7	440.6	504.9	589.6	675.4	757.2	840.9
-52.5°	124.2	171.9	227.3	283.5	335.8	390.3	452.0	526.4	606.5	685.7	760.3
-55°	96.0	140.0	187.7	242.0	295.7	344.3	402.4	468.5	536.2	611.3	683.6
-57.5°	74.0	107.7	149.5	195.9	247.9	301.4	356.7	412.4	474.1	537.8	600.1
-60°	55.1	79.7	111.7	151.8	195.0	247.1	307.6	362.8	415.2	467.3	524.1
-62.5°	38.2	57.5	80.2	108.0	145.6	188.4	240.2	297.4	358.3	404.5	450.0
-65°	34.1	39.4	55.1	75.8	96.7	132.4	173.5	218.4	270.1	317.3	366.6
-67.5°	29.8	34.6	39.6	47.8	66.4	86.1	107.1	143.6	182.9	216.6	251.8
-70°	27.0	29.9	34.0	38.6	43.3	51.2	68.5	86.8	105.0	124.7	152.9
-72.5°	24.5	27.1	29.7	32.3	36.2	40.1	44.0	47.7	58.2	72.5	85.6
-75°	22.1	24.2	26.6	29.0	31.1	33.3	36.0	39.4	42.6	45.9	49.5
-77.5°	20.0	21.4	23.2	25.4	27.0	28.4	30.1	32.0	34.1	36.1	38.0
-80°	17.8	18.5	19.5	20.8	22.3	23.6	24.7	25.7	26.8	28.3	29.9
-82.5°	16.0	16.4	16.9	17.3	18.2	19.1	20.2	21.3	22.0	22.7	23.5
-85°	14.1	14.4	14.7	15.0	15.4	15.9	16.4	17.0	17.3	17.7	18.0
-87.5°	12.2	12.3	12.5	12.7	13.0	13.3	13.6	13.8	14.0	14.2	14.3
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.7	5.2	4.6



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	14.4	14.4	14.4	14.4	14.4	17.5	20.6	23.7	26.8	31.4	36.0
87.5°	4.1	4.0	4.0	3.9	3.9	3.5	3.0	2.6	2.1	1.6	1.1
85°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1
82.5°	4.1	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1
80°	4.8	4.7	4.6	4.4	4.1	3.7	3.2	2.7	2.1	2.1	2.1
77.5°	6.3	5.8	5.3	4.7	4.2	3.9	3.8	3.8	3.8	3.5	3.1
75°	6.4	6.2	6.4	6.1	5.4	5.0	4.8	4.6	4.2	4.0	4.0
72.5°	12.4	12.5	11.7	11.0	9.9	9.3	9.0	8.4	7.6	7.2	6.9
70°	22.6	22.2	21.4	19.6	16.7	14.4	13.1	11.7	10.3	9.8	9.9
67.5°	32.8	29.5	26.8	23.5	19.5	16.5	14.9	13.1	11.2	10.3	10.3
65°	38.1	31.1	26.4	22.9	20.3	17.4	14.7	12.2	10.0	8.9	9.2
62.5°	36.0	26.9	21.3	18.0	15.6	14.0	11.9	10.2	8.9	8.3	8.3
60°	29.9	20.1	15.1	13.5	11.9	10.4	9.7	8.9	7.8	6.9	7.2
57.5°	23.3	16.1	12.3	11.7	11.1	10.5	9.7	8.8	8.0	7.5	7.9
55°	17.4	14.3	12.5	12.6	12.3	11.3	10.2	10.0	9.8	9.5	9.8
52.5°	15.2	15.1	15.6	15.5	14.1	13.0	12.2	12.2	12.4	12.8	13.3
50°	17.2	17.8	17.6	16.2	15.8	15.3	14.4	15.3	16.5	16.9	17.3
47.5°	20.5	20.9	21.2	19.8	20.1	21.6	21.9	22.6	24.8	26.6	28.2
45°	26.4	28.6	29.2	30.1	30.7	33.8	35.4	36.2	42.6	45.6	45.9
42.5°	38.1	41.6	44.5	48.9	48.2	56.0	65.9	71.3	70.8	68.8	68.7
40°	55.7	61.9	75.4	82.6	90.5	99.5	100.4	89.4	89.5	100.7	100.1
37.5°	85.9	107.0	126.2	143.2	147.4	142.4	144.2	152.6	162.6	163.5	168.3
35°	144.9	187.6	197.5	210.5	224.9	211.3	209.6	223.1	218.5	241.6	258.3
32.5°	250.5	311.0	329.5	345.2	385.3	362.1	298.2	391.3	370.4	396.3	435.7
30°	398.4	517.6	597.8	621.7	631.8	634.5	694.7	748.0	790.2	846.5	926.3
27.5°	754.6	833.6	966.8	1041.6	947.5	986.3	1140.6	1168.7	1327.7	1500.5	1642.4
25°	1147.5	1236.2	1473.3	1503.1	1424.5	1568.9	1718.2	1749.1	2029.6	2233.1	2720.4
22.5°	1502.7	1651.3	1905.0	1977.0	2042.6	2214.2	2387.6	2594.5	3226.2	4009.6	5431.2
20°	1803.3	1969.1	2217.1	2417.4	2581.0	2800.0	3002.1	3708.2	5068.9	8045.1	11282.4
17.5°	2167.1	2269.9	2576.5	2844.4	3100.6	3414.4	4307.4	6090.9	10030.2	16515.1	22661.4
15°	2657.5	2861.7	3052.0	3341.8	3820.5	4733.3	6703.6	12512.9	20754.3	32065.7	46076.2
12.5°	3222.8	3504.5	3768.4	4014.3	4700.9	6853.8	13140.8	23214.9	37068.9	55239.3	82736.1
10°	3727.7	4158.1	4482.0	4911.0	6241.0	10427.7	20133.0	34375.1	58719.1	90824.7	126708.1
7.5°	4078.2	4589.7	5026.5	5664.4	7833.1	14925.7	28361.3	50540.4	85144.5	128404.8	176810.6
5°	4411.7	4988.4	5417.3	6201.9	8885.7	18050.3	34598.0	64014.8	111009.2	168171.5	230319.6
2.5°	4726.7	5340.5	5762.2	6683.3	9550.3	19474.4	37210.2	72391.4	127739.5	195448.4	269258.9
0°	5018.9	5599.7	6040.4	6909.5	10112.0	20841.8	39432.6	75092.2	133391.6	203479.3	281112.9
-2.5°	4964.4	5396.1	5884.0	6755.3	9577.6	19375.6	36842.7	71920.0	126755.8	193892.3	265302.1
-5°	4945.3	5295.4	5735.9	6525.6	8917.7	16741.9	32721.9	64757.4	115883.1	176386.5	242898.3
-7.5°	4959.9	5237.9	5582.3	6235.4	8120.9	14155.0	28450.3	56136.7	98365.2	149591.7	209654.5
-10°	4991.0	5206.1	5555.2	6129.7	7449.5	11313.8	21531.0	43250.8	77340.1	118084.3	164885.5
-12.5°	5044.9	5334.5	5685.0	6075.4	6774.9	9011.5	16933.5	33574.4	57182.8	85807.4	121419.0
-15°	5026.4	5399.9	5795.7	6036.8	6417.7	7662.6	10983.7	22168.8	39565.7	58550.1	80101.9
-17.5°	4891.0	5338.2	5512.1	5699.2	5930.9	6544.2	8397.8	13370.2	23276.8	35750.6	47875.8
-20°	4576.7	4803.0	5020.5	5243.8	5500.3	5838.8	6415.4	8352.3	11253.2	18331.5	24248.7



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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°	3986.8	4204.5	4393.0	4755.1	5014.1	5262.8	5580.3	5999.5	7115.2	8867.8	11780.5
-25°	3480.7	3614.9	3880.1	4302.8	4581.2	4730.0	4929.3	5088.2	5470.7	5877.8	6883.9
-27.5°	3076.3	3277.4	3604.2	3974.5	4241.3	4361.0	4465.7	4559.2	4799.4	4965.8	5251.5
-30°	2756.3	3081.9	3388.2	3727.0	3972.3	4114.7	4159.3	4294.1	4450.7	4569.5	4685.3
-32.5°	2297.2	2870.1	3148.6	3429.2	3706.4	3881.6	4001.7	4108.0	4254.9	4346.2	4391.7
-35°	1802.9	2389.4	2937.9	3126.1	3327.5	3579.3	3784.2	3892.4	3989.0	4076.9	4132.5
-37.5°	1360.5	1841.1	2351.6	2810.8	3026.4	3214.8	3512.9	3693.3	3780.9	3912.1	3986.7
-40°	1179.9	1316.3	1751.9	2181.9	2568.9	2997.9	3287.8	3566.0	3841.0	4009.5	4119.0
-42.5°	1139.5	1195.1	1246.8	1548.2	1935.1	2323.8	2751.2	3223.1	3617.7	3914.9	4191.0
-45°	1106.8	1149.2	1190.8	1238.0	1283.3	1580.6	1914.7	2266.5	2720.5	3160.1	3539.7
-47.5°	1022.5	1102.6	1149.5	1185.0	1222.0	1263.1	1301.0	1380.8	1686.1	2010.8	2319.1
-50°	926.6	1006.1	1077.2	1143.1	1190.6	1222.6	1246.4	1277.7	1314.1	1346.6	1376.3
-52.5°	832.2	909.2	981.6	1053.1	1120.3	1182.1	1239.1	1275.2	1302.8	1327.1	1342.2
-55°	752.8	819.3	884.1	954.9	1023.9	1089.6	1151.6	1207.3	1259.7	1308.7	1336.7
-57.5°	666.0	731.4	796.3	861.7	924.6	985.0	1044.8	1103.2	1158.5	1209.0	1239.6
-60°	580.1	635.1	699.6	766.7	829.4	887.9	947.4	1003.9	1056.3	1100.7	1128.1
-62.5°	499.5	550.7	604.3	664.0	728.5	791.5	844.5	898.0	951.4	997.4	1028.8
-65°	414.0	457.0	500.4	547.1	596.5	648.1	701.1	753.2	804.1	845.7	875.5
-67.5°	292.9	335.6	377.1	418.7	456.5	494.7	535.3	576.3	617.0	650.5	676.9
-70°	180.5	207.3	232.4	259.4	291.1	324.2	358.0	389.7	418.9	440.6	456.6
-72.5°	97.4	108.2	121.1	141.3	160.1	179.8	200.4	219.9	238.4	252.1	262.3
-75°	53.3	58.2	66.6	74.5	81.9	90.6	99.6	108.0	115.8	123.5	130.6
-77.5°	40.3	42.8	45.0	47.0	48.7	51.8	55.3	58.8	62.4	67.0	71.9
-80°	31.5	32.8	34.0	35.2	36.5	38.6	40.9	43.1	45.3	47.5	49.5
-82.5°	24.3	24.9	25.5	26.0	26.5	27.9	29.3	30.7	32.1	34.3	36.6
-85°	18.4	18.8	19.2	19.5	19.8	20.9	22.0	23.1	24.3	25.9	27.6
-87.5°	14.4	14.8	15.3	15.8	16.3	17.0	17.7	18.3	18.8	20.3	21.8
-90°	4.1	3.6	3.1	2.6	2.1	2.1	2.1	2.1	2.1	1.6	1.1



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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°	40.7	45.3	48.4	51.5	48.4	45.3	40.7	36.0	31.4	26.8	23.7
87.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.6
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.7
77.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.5	3.8	3.8
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.2	4.6
72.5°	6.6	6.2	6.2	6.2	6.2	6.2	6.6	6.9	7.2	7.6	8.4
70°	10.1	10.2	10.3	10.3	10.3	10.2	10.1	9.9	9.8	10.3	11.7
67.5°	10.3	10.3	9.3	8.2	9.3	10.3	10.3	10.3	10.3	11.2	13.1
65°	9.7	10.2	9.4	8.2	9.4	10.2	9.7	9.2	8.9	10.0	12.2
62.5°	8.3	8.3	8.2	8.2	8.2	8.3	8.3	8.3	8.3	8.9	10.2
60°	7.6	8.1	8.2	8.2	8.2	8.1	7.6	7.2	6.9	7.8	8.9
57.5°	8.1	8.2	9.0	10.3	9.0	8.2	8.1	7.9	7.5	8.0	8.8
55°	10.0	10.2	10.3	10.3	10.3	10.2	10.0	9.8	9.5	9.8	10.0
52.5°	13.8	14.1	14.3	14.4	14.3	14.1	13.8	13.3	12.8	12.4	12.2
50°	17.8	18.2	17.7	16.5	17.7	18.2	17.8	17.3	16.9	16.5	15.3
47.5°	29.6	30.3	30.0	28.8	30.0	30.3	29.6	28.2	26.6	24.8	22.6
45°	47.1	47.1	47.0	47.4	47.0	47.1	47.1	45.9	45.6	42.6	36.2
42.5°	70.6	71.2	71.5	72.1	71.5	71.2	70.6	68.7	68.8	70.8	71.3
40°	102.0	102.5	101.3	98.9	101.3	102.5	102.0	100.1	100.7	89.5	89.4
37.5°	177.0	180.9	179.9	177.1	179.9	180.9	177.0	168.3	163.5	162.6	152.6
35°	264.2	261.8	254.8	255.4	254.8	261.8	264.2	258.3	241.6	218.5	223.1
32.5°	412.8	427.6	432.2	434.5	432.2	427.6	412.8	435.7	396.3	370.4	391.3
30°	982.6	952.8	821.0	780.5	821.0	952.8	982.6	926.3	846.5	790.2	748.0
27.5°	1745.5	1839.5	1925.6	1933.8	1925.6	1839.5	1745.5	1642.4	1500.5	1327.7	1168.7
25°	3223.5	3540.2	3673.6	3655.6	3673.6	3540.2	3223.5	2720.4	2233.1	2029.6	1749.1
22.5°	7112.1	8192.8	8756.0	8775.4	8756.0	8192.8	7112.1	5431.2	4009.6	3226.2	2594.5
20°	15518.4	18126.7	18785.3	18588.7	18785.3	18126.7	15518.4	11282.4	8045.1	5068.9	3708.2
17.5°	31997.4	39713.1	44980.7	45343.2	44980.7	39713.1	31997.4	22661.4	16515.1	10030.2	6090.9
15°	62276.6	76459.6	83814.6	85064.2	83814.6	76459.6	62276.6	46076.2	32065.7	20754.3	12512.9
12.5°	108792.4	130380.1	142391.3	144446.8	142391.3	130380.1	108792.4	82736.1	55239.3	37068.9	23214.9
10°	165942.9	196052.4	215630.2	224467.3	215630.2	196052.4	165942.9	126708.1	90824.7	58719.1	34375.1
7.5°	224583.6	272018.9	310757.4	319540.5	310757.4	272018.9	224583.6	176810.6	128404.8	85144.5	50540.4
5°	297130.2	360733.3	397934.7	406526.1	397934.7	360733.3	297130.2	230319.6	168171.5	111009.2	64014.8
2.5°	350927.6	419311.8	458302.9	479729.8	458302.9	419311.8	350927.6	269258.9	195448.4	127739.5	72391.4
0°	367622.8	429847.5	476723.0	510428.2	476723.0	429847.5	367622.8	281112.9	203479.3	133391.6	75092.2
-2.5°	345025.3	411003.1	445016.3	463965.6	445016.3	411003.1	345025.3	265302.1	193892.3	126755.8	71920.0
-5°	309075.2	369723.6	406817.4	418252.7	406817.4	369723.6	309075.2	242898.3	176386.5	115883.1	64757.4
-7.5°	261975.7	306265.6	334045.3	348052.7	334045.3	306265.6	261975.7	209654.5	149591.7	98365.2	56136.7
-10°	210994.6	244608.5	265329.3	273078.9	265329.3	244608.5	210994.6	164885.5	118084.3	77340.1	43250.8
-12.5°	154540.2	181313.0	197231.9	203373.2	197231.9	181313.0	154540.2	121419.0	85807.4	57182.8	33574.4
-15°	102003.7	121303.0	133547.7	137823.5	133547.7	121303.0	102003.7	80101.9	58550.1	39565.7	22168.8
-17.5°	61824.3	72477.5	80404.0	82403.3	80404.0	72477.5	61824.3	47875.8	35750.6	23276.8	13370.2
-20°	32716.4	37510.3	40187.6	41998.7	40187.6	37510.3	32716.4	24248.7	18331.5	11253.2	8352.3



REPORT NUMBER: P701704 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	15510.1	18120.8	19324.1	20242.5	19324.1	18120.8	15510.1	11780.5	8867.8	7115.2	5999.5
-25°	7762.2	8302.2	8537.3	8866.0	8537.3	8302.2	7762.2	6883.9	5877.8	5470.7	5088.2
-27.5°	5444.5	5571.2	5621.1	5661.5	5621.1	5571.2	5444.5	5251.5	4965.8	4799.4	4559.2
-30°	4744.6	4765.4	4762.4	4759.4	4762.4	4765.4	4744.6	4685.3	4569.5	4450.7	4294.1
-32.5°	4441.0	4463.2	4461.6	4458.7	4461.6	4463.2	4441.0	4391.7	4346.2	4254.9	4108.0
-35°	4168.1	4197.0	4211.3	4217.8	4211.3	4197.0	4168.1	4132.5	4076.9	3989.0	3892.4
-37.5°	4028.3	4034.5	4018.1	3999.5	4018.1	4034.5	4028.3	3986.7	3912.1	3780.9	3693.3
-40°	4172.7	4270.6	4368.9	4399.0	4368.9	4270.6	4172.7	4119.0	4009.5	3841.0	3566.0
-42.5°	4281.9	4344.8	4373.2	4364.0	4373.2	4344.8	4281.9	4191.0	3914.9	3617.7	3223.1
-45°	3790.6	3985.5	4100.9	4129.2	4100.9	3985.5	3790.6	3539.7	3160.1	2720.5	2266.5
-47.5°	2577.8	2796.1	2933.6	2978.0	2933.6	2796.1	2577.8	2319.1	2010.8	1686.1	1380.8
-50°	1405.1	1432.6	1441.7	1433.4	1441.7	1432.6	1405.1	1376.3	1346.6	1314.1	1277.7
-52.5°	1357.0	1373.3	1383.8	1390.1	1383.8	1373.3	1357.0	1342.2	1327.1	1302.8	1275.2
-55°	1360.7	1381.7	1393.2	1398.4	1393.2	1381.7	1360.7	1336.7	1308.7	1259.7	1207.3
-57.5°	1266.7	1290.3	1301.6	1305.7	1301.6	1290.3	1266.7	1239.6	1209.0	1158.5	1103.2
-60°	1152.9	1175.3	1184.0	1186.3	1184.0	1175.3	1152.9	1128.1	1100.7	1056.3	1003.9
-62.5°	1057.9	1084.3	1095.6	1099.8	1095.6	1084.3	1057.9	1028.8	997.4	951.4	898.0
-65°	901.8	924.4	932.0	932.9	932.0	924.4	901.8	875.5	845.7	804.1	753.2
-67.5°	700.5	720.8	728.0	729.1	728.0	720.8	700.5	676.9	650.5	617.0	576.3
-70°	469.5	479.3	483.4	484.0	483.4	479.3	469.5	456.6	440.6	418.9	389.7
-72.5°	270.3	276.3	278.2	278.0	278.2	276.3	270.3	262.3	252.1	238.4	219.9
-75°	136.9	142.5	143.8	144.2	143.8	142.5	136.9	130.6	123.5	115.8	108.0
-77.5°	76.8	81.6	82.3	82.4	82.3	81.6	76.8	71.9	67.0	62.4	58.8
-80°	51.5	53.3	53.5	53.5	53.5	53.3	51.5	49.5	47.5	45.3	43.1
-82.5°	38.8	41.0	41.2	41.2	41.2	41.0	38.8	36.6	34.3	32.1	30.7
-85°	29.2	30.8	31.9	33.0	31.9	30.8	29.2	27.6	25.9	24.3	23.1
-87.5°	23.3	24.8	25.8	26.8	25.8	24.8	23.3	21.8	20.3	18.8	18.3
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.1



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	20.6	17.5	14.4	14.4	14.4	14.4	14.4	13.9	13.4	12.9	12.4
87.5°	3.0	3.5	3.9	3.9	4.0	4.0	4.1	4.6	5.2	5.7	6.2
85°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.6	5.2	5.7	6.2
82.5°	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.7	5.2	5.7	6.2
80°	3.2	3.7	4.1	4.4	4.6	4.7	4.8	5.1	5.4	5.8	6.2
77.5°	3.8	3.9	4.2	4.7	5.3	5.8	6.3	6.7	7.0	7.2	7.2
75°	4.8	5.0	5.4	6.1	6.4	6.2	6.4	6.9	7.4	7.9	8.2
72.5°	9.0	9.3	9.9	11.0	11.7	12.5	12.4	11.7	10.6	9.2	8.2
70°	13.1	14.4	16.7	19.6	21.4	22.2	22.6	21.6	18.8	16.6	13.7
67.5°	14.9	16.5	19.5	23.5	26.8	29.5	32.8	36.0	36.1	33.1	23.7
65°	14.7	17.4	20.3	22.9	26.4	31.1	38.1	42.6	45.5	46.8	38.5
62.5°	11.9	14.0	15.6	18.0	21.3	26.9	36.0	43.5	50.0	51.3	43.4
60°	9.7	10.4	11.9	13.5	15.1	20.1	29.9	40.2	51.0	49.5	44.4
57.5°	9.7	10.5	11.1	11.7	12.3	16.1	23.3	33.2	44.2	43.7	40.7
55°	10.2	11.3	12.3	12.6	12.5	14.3	17.4	23.5	32.5	35.2	34.0
52.5°	12.2	13.0	14.1	15.5	15.6	15.1	15.2	18.6	21.5	25.2	27.2
50°	14.4	15.3	15.8	16.2	17.6	17.8	17.2	17.1	18.8	20.3	21.0
47.5°	21.9	21.6	20.1	19.8	21.2	20.9	20.5	20.3	21.5	20.3	20.2
45°	35.4	33.8	30.7	30.1	29.2	28.6	26.4	27.6	27.8	26.5	22.5
42.5°	65.9	56.0	48.2	48.9	44.5	41.6	38.1	37.9	37.2	35.0	32.6
40°	100.4	99.5	90.5	82.6	75.4	61.9	55.7	50.2	48.5	45.8	45.6
37.5°	144.2	142.4	147.4	143.2	126.2	107.0	85.9	69.5	60.8	67.0	65.5
35°	209.6	211.3	224.9	210.5	197.5	187.6	144.9	104.7	90.7	100.8	93.7
32.5°	298.2	362.1	385.3	345.2	329.5	311.0	250.5	172.9	161.2	154.7	137.3
30°	694.7	634.5	631.8	621.7	597.8	517.6	398.4	394.2	322.6	226.0	194.1
27.5°	1140.6	986.3	947.5	1041.6	966.8	833.6	754.6	748.3	565.5	389.6	272.6
25°	1718.2	1568.9	1424.5	1503.1	1473.3	1236.2	1147.5	1130.1	976.1	615.5	370.5
22.5°	2387.6	2214.2	2042.6	1977.0	1905.0	1651.3	1502.7	1490.4	1427.0	885.1	554.1
20°	3002.1	2800.0	2581.0	2417.4	2217.1	1969.1	1803.3	1776.0	1604.3	1190.3	746.9
17.5°	4307.4	3414.4	3100.6	2844.4	2576.5	2269.9	2167.1	2052.1	1821.8	1453.3	932.6
15°	6703.6	4733.3	3820.5	3341.8	3052.0	2861.7	2657.5	2412.4	2076.7	1661.0	1187.6
12.5°	13140.8	6853.8	4700.9	4014.3	3768.4	3504.5	3222.8	2854.0	2398.3	2009.0	1576.6
10°	20133.0	10427.7	6241.0	4911.0	4482.0	4158.1	3727.7	3244.4	2777.2	2396.4	1971.8
7.5°	28361.3	14925.7	7833.1	5664.4	5026.5	4589.7	4078.2	3567.5	3109.2	2751.8	2364.6
5°	34598.0	18050.3	8885.7	6201.9	5417.3	4988.4	4411.7	3849.5	3401.7	3079.5	2744.4
2.5°	37210.2	19474.4	9550.3	6683.3	5762.2	5340.5	4726.7	4092.8	3625.9	3287.8	2952.9
0°	39432.6	20841.8	10112.0	6909.5	6040.4	5599.7	5018.9	4306.3	3814.1	3462.0	3128.3
-2.5°	36842.7	19375.6	9577.6	6755.3	5884.0	5396.1	4964.4	4427.4	3918.1	3526.9	3126.6
-5°	32721.9	16741.9	8917.7	6525.6	5735.9	5295.4	4945.3	4518.7	4001.3	3580.5	3077.2
-7.5°	28450.3	14155.0	8120.9	6235.4	5582.3	5237.9	4959.9	4578.3	4074.4	3676.3	3097.8
-10°	21531.0	11313.8	7449.5	6129.7	5555.2	5206.1	4991.0	4603.6	4139.4	3755.7	3055.4
-12.5°	16933.5	9011.5	6774.9	6075.4	5685.0	5334.5	5044.9	4580.6	4201.3	3820.8	2943.2
-15°	10983.7	7662.6	6417.7	6036.8	5795.7	5399.9	5026.4	4484.6	4090.5	3783.8	2756.3
-17.5°	8397.8	6544.2	5930.9	5699.2	5512.1	5338.2	4891.0	4329.7	3856.0	3414.7	2355.3
-20°	6415.4	5838.8	5500.3	5243.8	5020.5	4803.0	4576.7	4036.5	3557.8	2876.5	1948.2



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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°	5580.3	5262.8	5014.1	4755.1	4393.0	4204.5	3986.8	3598.4	3195.3	2322.2	1554.1
-25°	4929.3	4730.0	4581.2	4302.8	3880.1	3614.9	3480.7	3198.7	2622.4	1832.9	1222.7
-27.5°	4465.7	4361.0	4241.3	3974.5	3604.2	3277.4	3076.3	2778.8	2061.7	1455.7	1145.1
-30°	4159.3	4114.7	3972.3	3727.0	3388.2	3081.9	2756.3	2191.6	1624.4	1169.1	1084.7
-32.5°	4001.7	3881.6	3706.4	3429.2	3148.6	2870.1	2297.2	1681.7	1233.1	1109.7	1040.8
-35°	3784.2	3579.3	3327.5	3126.1	2937.9	2389.4	1802.9	1313.8	1115.9	1058.5	1002.8
-37.5°	3512.9	3214.8	3026.4	2810.8	2351.6	1841.1	1360.5	1148.7	1073.6	1021.3	944.3
-40°	3287.8	2997.9	2568.9	2181.9	1751.9	1316.3	1179.9	1109.8	1049.3	969.1	873.2
-42.5°	2751.2	2323.8	1935.1	1548.2	1246.8	1195.1	1139.5	1081.9	1003.5	898.9	797.9
-45°	1914.7	1580.6	1283.3	1238.0	1190.8	1149.2	1106.8	1022.7	923.4	823.2	721.0
-47.5°	1301.0	1263.1	1222.0	1185.0	1149.5	1102.6	1022.5	932.6	839.3	744.7	654.8
-50°	1246.4	1222.6	1190.6	1143.1	1077.2	1006.1	926.6	840.9	757.2	675.4	589.6
-52.5°	1239.1	1182.1	1120.3	1053.1	981.6	909.2	832.2	760.3	685.7	606.5	526.4
-55°	1151.6	1089.6	1023.9	954.9	884.1	819.3	752.8	683.6	611.3	536.2	468.5
-57.5°	1044.8	985.0	924.6	861.7	796.3	731.4	666.0	600.1	537.8	474.1	412.4
-60°	947.4	887.9	829.4	766.7	699.6	635.1	580.1	524.1	467.3	415.2	362.8
-62.5°	844.5	791.5	728.5	664.0	604.3	550.7	499.5	450.0	404.5	358.3	297.4
-65°	701.1	648.1	596.5	547.1	500.4	457.0	414.0	366.6	317.3	270.1	218.4
-67.5°	535.3	494.7	456.5	418.7	377.1	335.6	292.9	251.8	216.6	182.9	143.6
-70°	358.0	324.2	291.1	259.4	232.4	207.3	180.5	152.9	124.7	105.0	86.8
-72.5°	200.4	179.8	160.1	141.3	121.1	108.2	97.4	85.6	72.5	58.2	47.7
-75°	99.6	90.6	81.9	74.5	66.6	58.2	53.3	49.5	45.9	42.6	39.4
-77.5°	55.3	51.8	48.7	47.0	45.0	42.8	40.3	38.0	36.1	34.1	32.0
-80°	40.9	38.6	36.5	35.2	34.0	32.8	31.5	29.9	28.3	26.8	25.7
-82.5°	29.3	27.9	26.5	26.0	25.5	24.9	24.3	23.5	22.7	22.0	21.3
-85°	22.0	20.9	19.8	19.5	19.2	18.8	18.4	18.0	17.7	17.3	17.0
-87.5°	17.7	17.0	16.3	15.8	15.3	14.8	14.4	14.3	14.2	14.0	13.8
-90°	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.6	5.2	5.7	6.2





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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°	11.9	11.4	10.8	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
87.5°	6.2	6.2	6.2	6.2	6.5	6.7	6.9	7.0	7.3	7.5	7.9
85°	6.2	6.2	6.2	6.2	6.7	7.2	7.6	7.9	7.9	7.9	8.0
82.5°	6.2	6.2	6.2	6.2	6.7	7.2	7.7	8.2	8.2	8.2	8.2
80°	6.2	6.2	6.2	6.3	6.8	7.3	7.8	8.2	8.2	8.2	8.2
77.5°	6.9	6.6	6.3	6.3	6.8	7.3	7.8	8.2	8.2	8.2	8.2
75°	8.2	7.9	7.5	7.1	7.1	7.4	7.9	8.2	8.2	8.2	8.2
72.5°	8.2	8.2	8.2	8.2	7.8	7.8	8.0	8.2	8.2	8.2	8.2
70°	10.8	8.7	8.2	8.2	8.2	8.2	8.1	8.3	8.2	8.2	8.2
67.5°	15.6	12.3	9.9	8.4	8.2	8.2	8.2	8.5	8.5	8.2	8.2
65°	27.4	18.5	12.2	10.1	8.7	8.2	8.2	8.6	8.9	8.7	8.2
62.5°	35.4	26.7	18.4	12.7	9.6	8.5	8.2	8.7	9.2	9.1	8.6
60°	39.2	30.9	24.3	18.0	12.1	8.7	8.4	8.8	9.3	9.7	9.1
57.5°	36.2	33.1	28.3	22.5	16.4	10.6	8.5	8.9	9.4	9.9	9.7
55°	31.2	28.9	30.2	26.1	20.1	13.9	9.6	9.1	9.5	10.0	10.2
52.5°	26.0	26.6	28.8	28.3	23.2	17.1	12.3	9.2	9.6	10.1	10.3
50°	21.6	25.3	28.2	28.8	25.9	20.0	14.6	10.8	9.8	10.2	10.3
47.5°	20.7	25.1	27.7	29.8	27.9	22.7	16.9	12.4	9.9	10.3	10.3
45°	24.6	26.5	28.6	30.0	29.7	24.4	19.0	13.5	10.8	10.4	10.3
42.5°	30.4	31.0	31.4	30.7	30.2	25.5	20.9	15.2	11.6	10.5	10.4
40°	41.7	37.5	35.9	35.8	31.7	26.2	21.7	16.7	12.1	10.9	10.5
37.5°	54.8	47.7	42.7	45.4	36.3	28.7	22.0	18.0	13.4	11.8	10.8
35°	78.0	61.2	57.7	59.1	48.5	32.3	22.0	18.7	15.5	12.7	11.0
32.5°	106.1	89.8	85.9	75.5	64.2	36.9	24.2	20.5	17.7	13.7	11.3
30°	156.9	143.3	123.7	94.4	82.2	51.4	29.3	22.6	20.0	14.8	11.7
27.5°	234.3	205.0	171.4	128.2	100.2	69.1	35.8	25.0	22.3	16.3	12.6
25°	316.2	276.0	230.6	171.9	119.9	92.8	42.0	27.9	24.5	18.2	13.5
22.5°	407.4	349.0	295.2	221.2	151.2	120.1	54.7	33.2	26.7	20.1	14.4
20°	499.6	422.1	366.8	276.4	194.0	146.4	75.4	38.3	29.0	21.9	15.3
17.5°	604.4	513.8	451.1	341.6	240.9	175.1	97.7	43.0	31.5	23.8	16.3
15°	814.2	626.9	540.4	413.0	286.0	205.7	120.9	47.5	34.0	25.5	17.1
12.5°	1068.5	738.6	633.9	488.7	329.1	237.4	144.4	51.6	36.6	27.3	17.9
10°	1348.5	848.3	729.9	566.5	369.8	269.6	167.6	57.8	40.6	29.1	18.6
7.5°	1641.2	955.2	826.5	644.2	412.7	312.9	214.2	69.6	45.0	30.8	19.2
5°	1907.8	1053.7	923.2	736.7	478.8	366.3	265.0	81.6	49.4	32.3	19.8
2.5°	2044.3	1139.1	1015.6	825.4	542.6	417.1	314.5	93.6	53.7	33.8	20.2
0°	2143.9	1219.2	1101.8	906.2	603.4	465.4	360.4	105.0	57.7	35.0	20.6
-2.5°	2111.2	1239.6	1125.7	944.5	667.6	514.5	398.7	135.6	75.3	45.3	25.4
-5°	2046.4	1256.4	1144.9	976.3	726.8	560.5	430.6	164.5	92.2	55.2	30.0
-7.5°	2017.8	1264.7	1156.7	1001.1	780.0	602.8	455.7	190.9	107.9	64.3	34.2
-10°	1954.8	1266.7	1158.9	1000.0	783.9	619.7	469.4	214.2	122.2	72.5	38.0
-12.5°	1833.5	1265.9	1159.6	989.7	773.8	612.7	451.1	228.0	134.5	79.4	41.2
-15°	1648.2	1262.9	1159.7	969.4	757.1	602.1	430.8	236.2	144.1	85.6	43.7
-17.5°	1384.8	1257.9	1160.2	938.6	733.8	588.0	409.6	241.8	152.1	91.3	46.5
-20°	1283.1	1224.2	1154.1	896.7	703.5	570.2	388.4	244.5	158.1	95.6	49.1



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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°	1222.1	1166.1	1064.6	856.7	672.7	548.8	368.3	244.4	162.2	98.2	50.5
-25°	1153.8	1105.6	971.2	795.5	646.0	517.3	357.3	241.3	164.2	99.1	50.4
-27.5°	1085.1	1033.0	884.7	734.7	610.2	489.8	351.7	242.4	164.4	98.2	48.8
-30°	1016.1	940.0	813.2	679.1	572.4	454.7	342.5	241.1	162.9	96.2	45.6
-32.5°	966.0	858.9	746.7	635.4	531.4	418.3	321.9	237.0	158.9	92.5	43.9
-35°	905.0	793.6	684.1	590.1	488.7	387.4	297.7	230.0	152.4	86.5	42.3
-37.5°	840.9	732.8	633.5	543.1	445.1	354.8	277.7	212.3	143.3	78.0	39.7
-40°	772.6	673.2	583.6	495.0	405.7	320.4	256.0	192.8	131.6	67.1	36.2
-42.5°	702.3	615.5	531.2	446.4	366.5	294.7	232.8	171.6	113.5	59.5	31.7
-45°	636.5	555.8	477.3	402.1	327.5	267.6	207.3	148.8	93.8	53.3	28.2
-47.5°	568.8	496.6	426.6	357.4	296.3	238.4	180.0	125.8	73.4	45.7	27.0
-50°	504.9	440.6	378.7	319.7	264.0	206.1	151.6	101.9	62.6	36.4	25.5
-52.5°	452.0	390.3	335.8	283.5	227.3	171.9	124.2	78.3	50.9	31.7	23.8
-55°	402.4	344.3	295.7	242.0	187.7	140.0	96.0	63.7	38.3	29.1	22.0
-57.5°	356.7	301.4	247.9	195.9	149.5	107.7	74.0	48.2	33.0	26.4	20.9
-60°	307.6	247.1	195.0	151.8	111.7	79.7	55.1	36.0	29.8	23.8	19.5
-62.5°	240.2	188.4	145.6	108.0	80.2	57.5	38.2	32.4	26.6	22.2	18.1
-65°	173.5	132.4	96.7	75.8	55.1	39.4	34.1	28.7	24.4	20.5	16.8
-67.5°	107.1	86.1	66.4	47.8	39.6	34.6	29.8	26.1	22.4	18.8	15.8
-70°	68.5	51.2	43.3	38.6	34.0	29.9	27.0	23.9	20.4	17.6	14.8
-72.5°	44.0	40.1	36.2	32.3	29.7	27.1	24.5	21.7	19.1	16.4	13.8
-75°	36.0	33.3	31.1	29.0	26.6	24.2	22.1	20.2	17.7	15.2	13.0
-77.5°	30.1	28.4	27.0	25.4	23.2	21.4	20.0	18.6	16.3	14.3	12.4
-80°	24.7	23.6	22.3	20.8	19.5	18.5	17.8	17.0	15.1	13.3	11.7
-82.5°	20.2	19.1	18.2	17.3	16.9	16.4	16.0	15.4	13.8	12.4	11.2
-85°	16.4	15.9	15.4	15.0	14.7	14.4	14.1	13.7	12.6	11.7	10.9
-87.5°	13.6	13.3	13.0	12.7	12.5	12.3	12.2	12.0	11.5	11.0	10.6
-90°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.7	7.2	7.7



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.3	9.8	9.3	8.7	8.2	8.2	8.2
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
82.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
75°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
72.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
70°	8.2	8.2	8.2	8.2	8.2	8.2	8.2
67.5°	8.3	8.2	8.2	8.2	8.2	8.2	8.2
65°	8.3	8.3	8.2	8.2	8.2	8.2	8.2
62.5°	8.5	8.4	8.2	8.2	8.2	8.2	8.2
60°	8.6	8.6	8.2	8.2	8.2	8.2	8.2
57.5°	9.0	8.8	8.4	8.2	8.2	8.2	8.2
55°	9.4	9.0	8.6	8.2	8.3	8.2	8.2
52.5°	9.8	9.3	8.8	8.2	8.3	8.2	8.2
50°	10.1	9.5	9.1	8.2	8.3	8.2	8.2
47.5°	10.3	9.7	9.3	8.2	8.4	8.2	8.2
45°	10.3	9.9	9.6	8.4	8.5	8.2	8.2
42.5°	10.3	10.1	9.8	8.6	8.5	8.2	8.2
40°	10.3	10.2	10.0	8.9	8.6	8.2	8.2
37.5°	10.3	10.3	10.1	9.1	8.7	8.2	8.2
35°	10.3	10.3	10.2	9.3	8.8	8.2	8.2
32.5°	10.4	10.3	10.2	9.5	8.9	8.2	8.2
30°	10.6	10.3	10.3	9.7	9.0	8.2	8.2
27.5°	10.8	10.3	10.3	9.8	9.1	8.2	8.2
25°	11.1	10.3	10.3	9.9	9.2	8.2	8.2
22.5°	11.3	10.3	10.3	10.0	9.3	8.2	8.2
20°	11.6	10.5	10.3	10.1	9.4	8.2	8.2
17.5°	12.0	10.7	10.3	10.2	9.5	8.2	8.2
15°	12.4	10.9	10.3	10.2	9.6	8.2	8.2
12.5°	12.8	11.1	10.3	10.3	9.8	8.2	8.2
10°	13.1	11.4	10.3	10.3	9.9	8.2	8.2
7.5°	13.5	11.6	10.3	10.3	10.0	8.2	8.2
5°	13.8	11.9	10.3	10.3	10.1	8.2	8.2
2.5°	14.1	12.2	10.3	10.3	10.2	8.2	8.2
0°	14.4	12.4	10.3	10.3	10.3	8.2	8.2
-2.5°	16.0	12.8	10.5	10.4	10.3	8.2	8.2
-5°	17.6	13.3	10.7	10.6	10.3	8.3	8.2
-7.5°	19.1	13.6	10.9	10.7	10.3	8.3	8.2
-10°	20.4	14.0	11.0	10.8	10.2	8.4	8.2
-12.5°	21.5	14.3	11.2	10.9	10.2	8.4	8.2
-15°	22.4	14.5	11.4	11.0	10.2	8.5	8.2
-17.5°	23.1	14.7	11.6	11.1	10.2	8.5	8.2
-20°	23.8	14.8	11.7	11.2	10.1	8.5	8.2



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	24.6	14.8	11.9	11.2	10.1	8.6	8.2
-25°	25.0	15.0	12.1	11.3	10.1	8.6	8.2
-27.5°	24.8	15.2	12.3	11.3	10.0	8.6	8.2
-30°	24.0	15.3	12.4	11.2	10.0	8.7	8.2
-32.5°	22.6	15.3	12.7	11.2	10.0	8.7	8.2
-35°	22.0	15.2	12.8	11.1	10.0	8.7	8.2
-37.5°	21.8	15.1	13.0	11.0	10.0	8.7	8.2
-40°	21.4	15.3	13.1	10.9	9.9	8.7	8.2
-42.5°	20.8	15.3	13.0	10.8	9.9	8.7	8.2
-45°	20.0	15.3	12.8	10.6	9.9	8.7	8.2
-47.5°	19.0	15.1	12.6	10.5	9.9	8.7	8.2
-50°	18.5	14.9	12.4	10.4	9.9	8.7	8.2
-52.5°	18.0	14.5	12.1	10.5	10.0	8.7	8.2
-55°	17.3	14.1	11.8	10.5	10.0	8.7	8.2
-57.5°	16.5	13.6	11.4	10.5	10.0	8.7	8.2
-60°	15.6	13.1	11.1	10.5	10.0	8.7	8.2
-62.5°	14.9	12.6	11.0	10.4	9.9	8.6	8.2
-65°	14.1	12.0	10.9	10.4	9.8	8.6	8.2
-67.5°	13.2	11.5	10.8	10.4	9.7	8.6	8.2
-70°	12.3	11.3	10.6	10.3	9.5	8.5	8.2
-72.5°	11.8	11.0	10.5	10.1	9.4	8.5	8.2
-75°	11.4	10.7	10.3	9.9	9.2	8.5	8.2
-77.5°	10.9	10.4	10.1	9.7	9.1	8.4	8.2
-80°	10.4	10.2	10.0	9.5	8.9	8.4	8.2
-82.5°	10.3	10.1	9.8	9.3	8.7	8.3	8.2
-85°	10.3	10.0	9.6	9.1	8.6	8.3	8.2
-87.5°	10.3	9.9	9.4	8.9	8.4	8.2	8.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2

(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

