

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: P731694 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-2S-CV1**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731694 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680N-57-70-2S-CV1  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

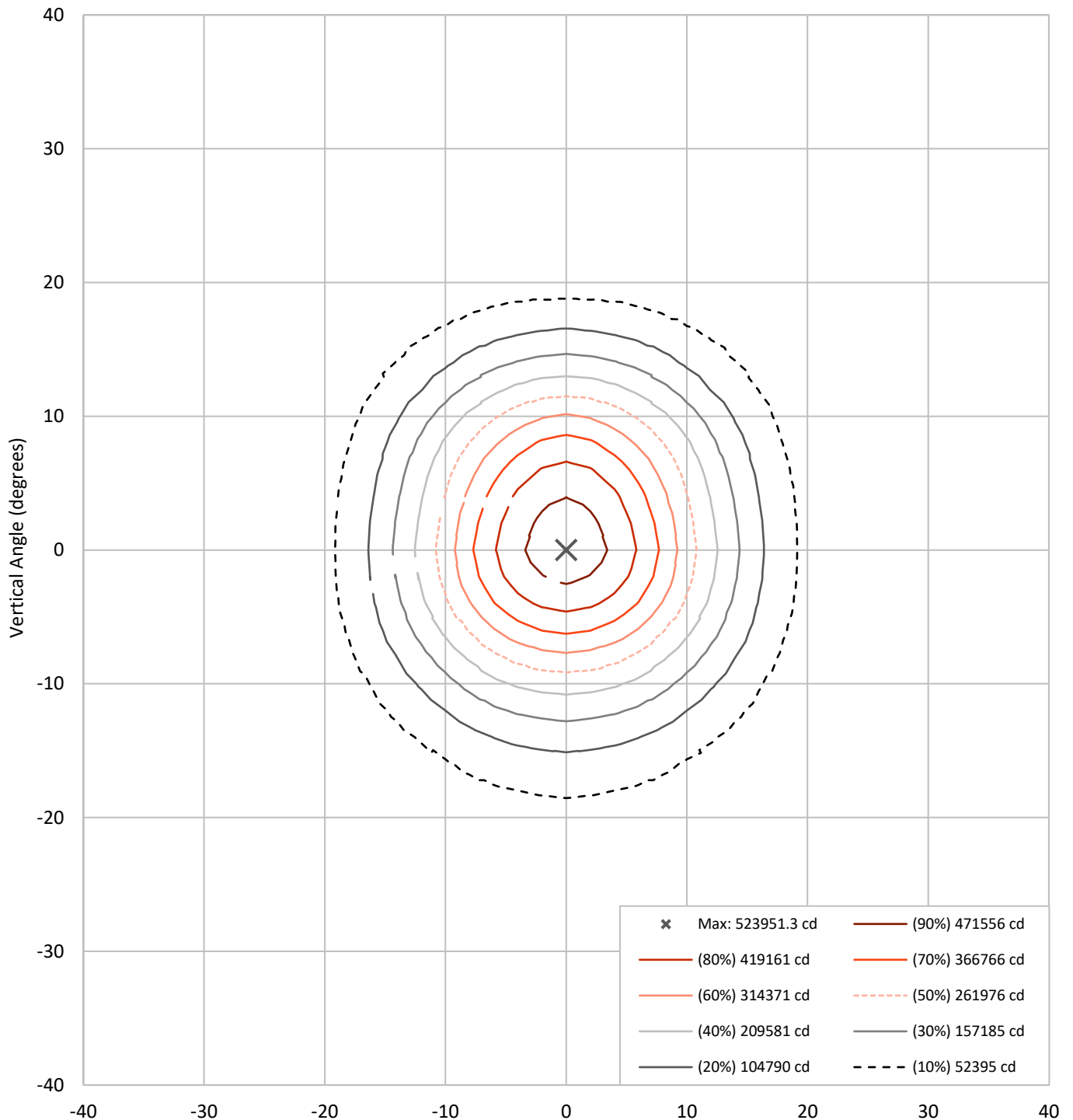
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	84723.4 lumens	Max Intensity:	523951.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	120.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.6°H x 20.7°V	Field Angle (10%):	38.3°H x 37.3°V
Beam Lumens:	39341.7 lumens	Field Lumens:	71623.3 lumens
Beam Efficiency:	46.4%	Field Efficiency:	84.5%

Input Watts (W): 703.3  
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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CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV1

### Iso-Candela Plot





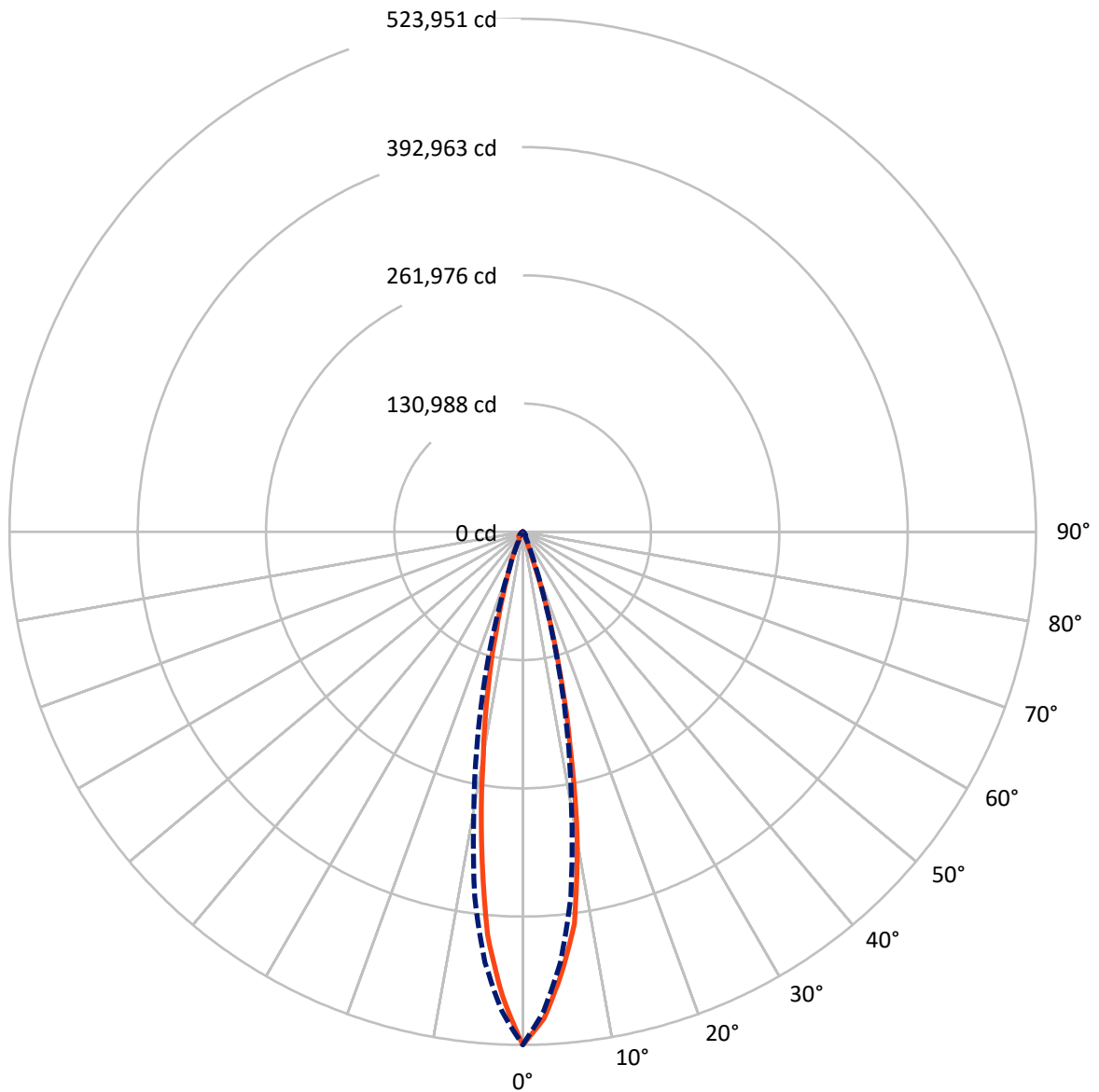
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### Lumen Table

90	0.1	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.1								
80	0.1	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.3	0.1								
70	0.2	0.1	0.2	0.7	0.8	0.5	0.3	0.2	0.2	0.3	0.5	0.8	0.7	0.2	0.1	0.2			
60		0.1	0.4	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.4	0.1				
50	0.2	0.2	0.5	0.5	0.7	1.1	2.0	1.3	1.3	2.0	1.1	0.7	0.5	0.5	0.2	0.2			
40		0.3	1.1	3.0	5.6	8.2	11.3	13.6	13.6	11.3	8.2	5.6	3.0	1.1	0.3				
30	0.3	0.6	5.4	17.1	40.5	61.5	106.5	201.8	201.8	106.5	61.5	40.5	17.1	5.4	0.6	0.3			
20		1.6	11.4	45.3	103.8	194.0	1267.6	3927.9	3927.9	1267.6	194.0	103.8	45.3	11.4	1.6				
10	0.4	2.5	14.7	60.8	123.3	388.8	3725.6	11165.7	11165.7	3725.6	388.8	123.3	60.8	14.7	2.5	0.4			
0		3.1	15.8	61.0	123.0	370.6	3504.0	10155.0	10155.0	3504.0	370.6	123.0	61.0	15.8	3.1				
-10	0.7	3.6	15.1	48.8	104.0	180.3	1030.7	2984.7	2984.7	1030.7	180.3	104.0	48.8	15.1	3.6	0.7			
-20		3.7	14.2	34.6	93.2	139.1	211.4	408.6	408.6	211.4	139.1	93.2	34.6	14.2	3.7				
-30	0.6	3.2	12.3	26.0	65.0	135.1	175.5	196.1	196.1	175.5	135.1	65.0	26.0	12.3	3.2	0.6			
-40		2.3	9.2	21.4	38.4	65.1	111.3	148.3	148.3	111.3	65.1	38.4	21.4	9.2	2.3				
-50	0.4	1.1	5.5	14.1	27.4	41.5	54.0	61.1	61.1	54.0	41.5	27.4	14.1	5.5	1.1	0.4			
-60		0.5	1.8	5.8	12.0	19.3	26.5	30.8	30.8	26.5	19.3	12.0	5.8	1.8	0.5				
-70	0.3	1.4	4.1	9.5	12.8	9.5	4.1	1.4	0.3						0.3				
-80		1.4	4.1	9.5	12.8	9.5	4.1	1.4	0.3										
-90	0.3	1.4	4.1	9.5	12.8	9.5	4.1	1.4	0.3						0.3				

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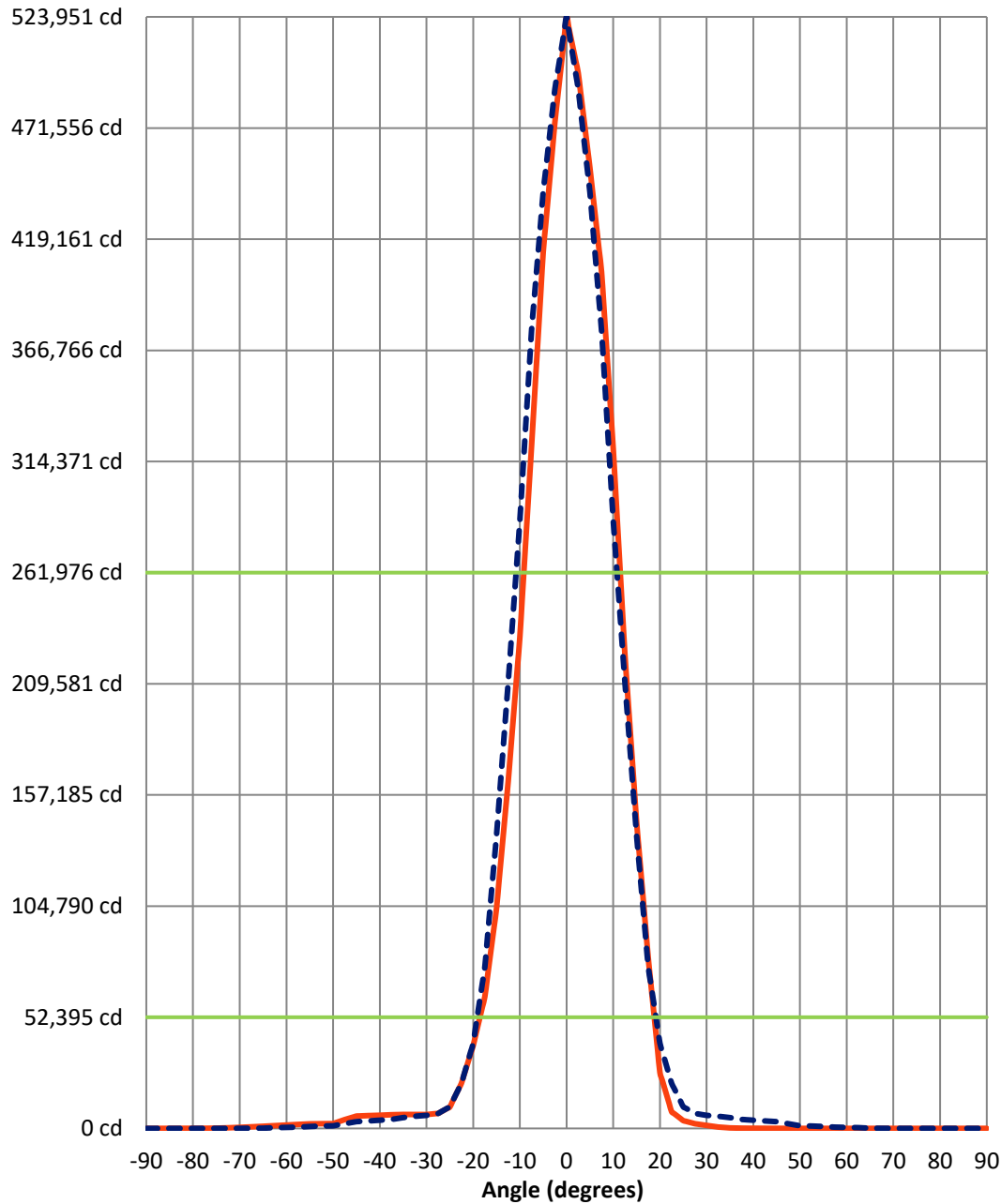
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 21.6°  
V Angle: 20.7°  
Lumens: 39341.7  
Efficiency: 46.4%

**Field:**  
H Angle: 38.3°  
V Angle: 37.3°  
Lumens: 71623.3  
Efficiency: 84.5%

**Spill:**  
Lumens: 13100.1  
Efficiency: 15.5%

— 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°	6.2	7.3	8.3	8.8	9.4	9.9	10.4	10.9	11.4	11.9	12.4
87.5°	6.2	6.2	6.2	5.7	5.3	5.0	4.6	4.6	4.5	4.3	4.1
85°	6.2	6.3	6.2	5.8	5.5	5.3	5.2	5.1	4.8	4.5	4.1
82.5°	6.2	6.3	6.2	5.9	5.7	5.7	5.7	5.5	5.2	4.9	4.7
80°	6.2	6.4	6.2	6.0	5.9	6.0	6.2	5.8	5.6	5.5	5.6
77.5°	6.2	6.4	6.2	6.0	6.1	6.2	6.2	6.0	5.9	6.1	6.2
75°	6.2	6.5	6.2	6.1	6.2	6.4	6.3	6.1	6.2	6.2	6.2
72.5°	6.2	6.5	6.3	6.2	6.4	6.5	6.3	6.2	6.2	6.2	6.2
70°	6.2	6.6	6.3	6.2	6.6	6.7	6.4	6.2	6.2	6.2	6.3
67.5°	6.2	6.6	6.3	6.4	6.8	6.8	6.4	6.2	6.2	6.5	6.5
65°	6.2	6.7	6.4	6.7	7.0	7.0	6.5	6.2	6.7	6.9	6.6
62.5°	6.2	6.7	6.4	6.9	7.3	7.0	6.5	6.6	7.1	7.2	6.7
60°	6.2	6.8	6.5	7.1	7.5	7.1	6.6	7.1	7.7	7.3	6.8
57.5°	6.2	6.9	6.7	7.3	7.6	7.1	7.1	7.7	7.9	7.4	7.5
55°	6.2	6.9	6.8	7.5	7.6	7.2	7.6	8.4	8.0	7.7	8.3
52.5°	6.2	7.0	7.0	7.8	7.7	7.3	8.1	8.5	8.1	8.4	9.2
50°	6.2	7.0	7.1	8.0	7.7	7.7	8.7	8.6	8.3	9.2	11.3
47.5°	6.2	7.1	7.3	8.2	7.8	8.2	9.1	8.7	9.0	10.0	13.2
45°	6.2	7.2	7.4	8.2	7.9	8.6	9.2	8.8	9.7	11.4	14.9
42.5°	6.2	7.2	7.6	8.3	7.9	9.0	9.3	9.3	10.5	12.7	17.2
40°	6.2	7.3	7.7	8.3	8.1	9.4	9.4	10.0	11.5	13.8	19.5
37.5°	6.2	7.4	7.8	8.4	8.4	9.7	9.5	10.7	12.7	15.5	21.6
35°	6.2	7.4	7.9	8.4	8.7	9.9	9.6	11.4	13.8	17.9	23.5
32.5°	6.2	7.5	7.9	8.5	9.0	10.0	9.9	12.2	14.9	20.5	26.0
30°	6.2	7.6	8.0	8.6	9.3	10.1	10.5	13.0	16.0	23.0	28.7
27.5°	6.2	7.6	8.1	8.7	9.5	10.2	11.1	13.9	17.5	25.6	31.6
25°	6.2	7.7	8.1	8.8	9.7	10.3	11.7	14.8	19.6	28.1	34.8
22.5°	6.2	7.8	8.2	9.0	9.9	10.4	12.3	15.6	21.6	30.6	40.5
20°	6.2	7.8	8.2	9.1	10.0	10.6	12.9	16.4	23.6	33.1	46.8
17.5°	6.2	7.9	8.2	9.3	10.2	10.8	13.5	17.1	25.5	35.6	53.8
15°	6.2	8.0	8.3	9.4	10.2	11.0	14.1	17.8	27.3	38.2	61.1
12.5°	6.2	8.0	8.3	9.6	10.3	11.2	14.6	18.4	28.9	40.6	68.7
10°	6.2	8.1	8.3	9.8	10.4	11.4	15.1	19.0	30.1	43.7	76.4
7.5°	6.2	8.1	8.3	9.9	10.4	11.7	15.5	19.5	31.2	47.0	84.1
5°	6.2	8.2	8.3	10.1	10.4	11.9	15.9	20.0	32.0	50.2	91.3
2.5°	6.2	8.3	8.3	10.3	10.4	12.2	16.3	20.4	32.7	53.2	97.9
0°	6.2	8.3	8.3	10.4	10.4	12.4	16.6	20.7	33.2	56.0	103.7
-2.5°	6.2	8.3	8.4	10.5	10.8	13.1	18.2	25.6	43.3	73.8	129.3
-5°	6.2	8.4	8.5	10.6	11.1	13.7	19.8	30.2	52.9	90.8	153.5
-7.5°	6.2	8.4	8.6	10.7	11.5	14.4	21.2	34.6	61.8	106.6	175.8
-10°	6.2	8.5	8.7	10.8	11.8	14.9	22.5	38.5	69.9	120.8	196.0
-12.5°	6.2	8.5	8.8	10.9	12.1	15.5	23.6	41.8	76.8	133.0	213.2
-15°	6.2	8.5	8.8	11.0	12.4	15.9	24.5	44.5	83.5	143.5	227.2
-17.5°	6.2	8.5	8.9	11.0	12.7	16.3	25.2	47.6	90.2	152.1	237.7
-20°	6.2	8.5	9.0	11.1	12.9	16.7	26.1	50.6	95.3	158.9	244.6



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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°	6.2	8.5	9.1	11.1	13.1	16.9	27.0	52.4	98.5	163.8	247.4
-25°	6.2	8.5	9.2	11.1	13.2	17.2	27.5	52.9	99.8	166.5	246.1
-27.5°	6.2	8.5	9.3	11.1	13.3	17.4	27.3	51.9	98.9	167.4	248.0
-30°	6.2	8.5	9.4	11.1	13.4	17.5	26.4	49.5	97.4	166.2	247.4
-32.5°	6.2	8.5	9.4	11.1	13.5	17.5	24.9	48.0	94.6	162.1	244.1
-35°	6.2	8.5	9.5	11.0	13.7	17.3	24.2	46.2	89.5	154.9	237.9
-37.5°	6.2	8.5	9.6	11.0	13.7	17.2	24.0	43.3	82.3	144.7	223.3
-40°	6.2	8.5	9.7	10.9	13.8	17.2	23.6	39.4	72.7	133.7	205.1
-42.5°	6.2	8.5	9.7	10.9	13.8	17.2	23.0	34.3	65.2	118.5	184.0
-45°	6.2	8.4	9.8	10.8	13.7	17.2	22.1	30.5	58.1	101.0	160.6
-47.5°	6.2	8.4	9.9	10.8	13.6	17.0	21.1	29.3	49.6	81.8	138.6
-50°	6.2	8.4	9.9	10.8	13.5	16.9	20.8	27.8	39.4	70.0	114.4
-52.5°	6.2	8.3	10.0	10.9	13.4	16.6	20.4	26.1	34.6	57.2	89.3
-55°	6.2	8.3	10.0	11.0	13.2	16.3	20.0	24.2	32.0	43.3	73.2
-57.5°	6.2	8.2	10.1	11.0	12.9	16.0	19.6	23.6	29.3	37.5	56.0
-60°	6.2	8.2	10.1	11.0	12.7	15.6	19.0	22.8	26.7	33.9	42.4
-62.5°	6.2	8.1	10.0	11.0	12.5	15.2	18.4	21.9	25.6	30.1	37.8
-65°	6.2	8.0	9.9	11.0	12.4	14.7	17.7	21.0	24.3	28.1	33.0
-67.5°	6.2	8.0	9.7	10.9	12.2	14.2	17.0	19.9	23.0	26.4	30.2
-70°	6.2	7.9	9.6	10.8	12.0	13.7	16.2	18.8	21.6	24.7	28.1
-72.5°	6.2	7.8	9.5	10.6	11.7	13.2	15.3	17.6	20.1	22.9	25.9
-75°	6.2	7.8	9.3	10.4	11.4	12.7	14.4	16.5	18.6	20.9	23.5
-77.5°	6.2	7.7	9.2	10.1	11.1	12.1	13.5	15.3	17.2	19.1	21.1
-80°	6.2	7.6	9.0	9.9	10.7	11.6	12.5	14.2	15.9	17.6	19.3
-82.5°	6.2	7.5	8.8	9.6	10.4	11.2	11.9	13.1	14.5	16.1	17.6
-85°	6.2	7.4	8.7	9.4	10.1	10.7	11.4	12.4	13.5	14.7	15.9
-87.5°	6.2	7.3	8.5	9.1	9.7	10.3	10.9	11.7	12.5	13.3	14.2
-90°	6.2	6.2	6.2	5.7	5.2	4.6	4.1	4.1	4.1	4.1	4.1





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	12.4	12.4	12.4	12.4	12.9	13.5	14.0	14.5	15.0	15.6	16.1
87.5°	3.8	3.6	3.4	3.2	3.0	2.7	2.4	2.1	2.1	2.1	2.1
85°	4.1	4.1	4.1	4.1	3.6	3.1	2.6	2.1	2.1	2.1	2.1
82.5°	4.7	4.6	4.4	4.1	3.6	3.1	2.7	2.4	2.4	2.4	2.3
80°	5.5	5.2	4.7	4.2	3.9	3.7	3.7	3.8	3.6	3.3	3.0
77.5°	5.8	5.3	4.8	4.2	4.2	4.5	4.9	5.2	5.1	4.9	4.7
75°	5.8	5.3	5.1	5.1	5.4	5.8	6.2	6.2	6.0	5.8	5.8
72.5°	6.0	5.8	5.8	6.2	6.2	6.2	6.2	6.2	7.9	10.2	11.8
70°	6.1	6.2	6.2	6.2	6.2	6.8	9.7	13.8	18.0	20.3	22.4
67.5°	6.2	6.2	6.2	6.5	8.0	11.1	15.7	24.7	34.2	36.6	36.3
65°	6.2	6.2	7.0	8.4	10.2	17.9	27.6	38.8	47.1	45.9	42.9
62.5°	6.2	7.1	8.5	11.5	17.7	26.8	35.6	43.7	51.7	50.2	43.3
60°	7.1	8.1	11.6	17.7	24.5	31.1	39.5	44.7	49.9	51.1	39.1
57.5°	8.0	10.6	16.3	22.7	28.5	33.3	36.5	41.0	42.8	41.6	30.5
55°	9.8	14.0	20.2	26.3	30.4	29.1	31.1	32.5	31.9	29.5	21.6
52.5°	12.7	17.3	23.4	28.5	29.0	26.3	24.5	24.7	22.8	19.4	16.8
50°	15.3	20.5	26.1	29.0	27.7	23.5	19.6	18.9	17.6	16.0	14.5
47.5°	18.0	23.6	28.1	29.6	25.6	21.9	18.1	16.8	15.9	16.3	15.4
45°	20.8	26.1	30.5	28.0	24.5	21.5	20.0	16.5	18.6	19.9	20.6
42.5°	23.4	28.2	30.1	26.8	24.8	24.8	24.4	23.6	24.7	29.9	32.9
40°	25.3	30.1	30.0	29.4	27.2	31.2	35.1	38.1	38.4	45.1	50.4
37.5°	27.0	30.9	32.7	36.9	34.9	42.4	48.9	74.8	75.9	62.8	85.1
35°	28.7	32.5	43.0	54.8	59.4	57.9	94.4	128.6	137.0	123.2	146.2
32.5°	30.4	34.9	57.0	84.5	109.6	111.3	153.2	207.5	236.1	245.7	258.4
30°	33.7	47.8	78.6	122.1	182.3	231.4	251.4	309.8	362.5	468.1	541.9
27.5°	39.6	64.8	114.6	189.2	281.5	374.3	406.2	446.8	584.9	771.9	956.8
25°	47.0	100.6	155.7	278.1	419.1	522.2	562.8	617.5	878.4	1239.6	1452.1
22.5°	65.7	146.7	217.9	380.5	571.7	666.2	719.2	915.8	1315.0	1794.7	2010.1
20°	99.4	201.6	293.6	466.0	725.0	809.3	868.6	1277.7	1858.7	2314.5	2652.2
17.5°	138.4	256.7	368.8	556.1	791.4	918.1	1042.3	1677.1	2428.4	2829.2	3226.9
15°	181.2	311.4	434.0	636.3	851.5	983.5	1309.4	2129.2	2943.5	3334.6	3731.2
12.5°	226.6	365.4	489.9	706.7	910.8	1044.3	1552.0	2451.5	3218.8	3733.2	4209.1
10°	273.1	418.0	537.6	767.6	968.3	1100.7	1778.9	2725.3	3364.7	3822.3	4361.6
7.5°	304.4	452.3	574.8	819.1	1022.9	1152.4	1984.5	2951.3	3463.8	3867.0	4346.2
5°	329.2	465.3	589.1	855.7	1067.8	1193.3	2146.5	3129.9	3524.0	3873.9	4265.8
2.5°	348.9	474.0	600.2	884.2	1103.7	1219.4	2200.2	3184.9	3535.9	3873.7	4227.3
0°	363.1	479.2	607.9	904.6	1132.8	1240.7	2211.6	3197.1	3526.9	3865.1	4242.7
-2.5°	375.9	493.9	631.8	921.9	1134.1	1243.1	2200.7	3182.9	3566.7	3958.7	4409.6
-5°	383.8	505.8	651.3	930.7	1129.6	1241.6	2150.6	3126.1	3562.6	3960.3	4437.2
-7.5°	387.5	514.8	665.8	929.6	1114.0	1224.7	2017.6	2944.6	3422.6	3797.2	4297.2
-10°	388.8	525.8	675.3	909.9	1084.9	1196.5	1846.1	2729.1	3267.8	3618.7	4103.8
-12.5°	392.3	538.4	681.4	887.7	1056.0	1164.4	1652.0	2484.3	3100.0	3427.3	3883.1
-15°	392.1	548.1	684.4	864.7	1029.1	1128.4	1440.1	2214.2	2975.2	3390.9	3763.4
-17.5°	388.5	554.9	684.7	842.8	1005.8	1088.7	1222.1	1975.5	2871.9	3375.9	3737.3
-20°	381.8	558.8	682.6	823.2	984.3	1072.0	1180.6	1744.3	2597.3	3322.7	3727.0



REPORT NUMBER: P731694 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	372.1	559.9	680.2	813.3	967.2	1077.3	1170.5	1491.0	2234.5	3234.5	3657.6
-25°	366.9	543.5	677.4	801.7	949.2	1083.8	1160.0	1257.4	1876.2	2790.5	3494.7
-27.5°	364.1	524.6	662.0	782.5	926.1	1082.2	1160.9	1243.3	1573.1	2283.7	3243.1
-30°	355.6	493.3	641.0	757.4	898.9	1051.6	1168.5	1233.2	1325.7	1876.9	2659.8
-32.5°	337.8	460.5	606.6	730.1	863.3	1016.0	1160.6	1232.8	1311.9	1475.4	2107.3
-35°	319.0	434.8	567.0	696.3	819.6	967.8	1109.2	1230.2	1298.5	1383.2	1665.7
-37.5°	304.1	405.8	526.7	654.9	776.5	909.7	1052.3	1185.9	1288.2	1373.5	1481.2
-40°	285.4	373.6	489.8	610.0	729.0	852.1	985.4	1120.0	1249.1	1378.5	1476.6
-42.5°	262.9	348.6	451.2	564.2	678.3	796.6	915.6	1045.4	1196.0	1359.0	1484.9
-45°	236.1	319.5	410.9	515.6	622.8	736.6	851.7	968.9	1127.7	1295.2	1453.0
-47.5°	205.9	286.1	373.1	463.2	564.5	670.5	782.6	905.2	1044.6	1204.5	1376.4
-50°	174.1	248.4	329.7	413.3	503.6	601.7	705.3	829.2	960.2	1100.3	1255.6
-52.5°	144.1	207.1	282.4	362.1	443.9	531.7	628.9	739.8	862.6	993.0	1123.5
-55°	111.6	168.3	231.1	305.8	384.2	463.2	548.1	646.6	753.4	872.4	989.2
-57.5°	86.5	128.0	182.2	244.6	317.6	394.2	469.4	549.3	642.9	744.3	842.8
-60°	65.4	93.9	133.9	186.7	245.4	314.3	386.4	459.2	534.5	609.9	693.9
-62.5°	46.3	68.3	94.8	129.8	180.0	231.2	291.5	358.5	429.5	494.2	556.1
-65°	40.6	47.1	65.1	89.8	115.6	158.0	203.7	250.6	309.2	367.1	426.1
-67.5°	34.5	40.5	46.3	55.6	77.9	100.1	122.2	162.0	202.7	239.7	279.2
-70°	31.3	34.2	39.1	44.3	49.4	58.7	77.9	97.1	115.6	137.6	168.9
-72.5°	28.5	31.0	33.7	36.6	41.0	45.5	49.9	54.1	65.2	80.4	94.7
-75°	25.7	27.7	29.8	32.2	34.7	37.4	40.4	44.2	47.7	51.2	54.6
-77.5°	23.0	24.7	26.3	28.0	29.6	31.7	34.0	36.3	38.4	40.3	42.4
-80°	20.4	21.6	23.1	24.5	25.6	26.8	28.1	29.5	30.6	31.8	33.1
-82.5°	18.4	19.1	20.0	21.0	21.8	22.4	23.0	23.8	24.9	26.0	26.9
-85°	16.3	16.6	17.0	17.5	18.3	19.1	19.8	20.4	20.9	21.4	22.0
-87.5°	14.3	14.5	14.7	14.8	15.5	16.1	16.8	17.5	17.7	18.0	18.2
-90°	3.6	3.1	2.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	16.6	16.6	16.6	16.6	16.6	17.1	17.7	18.2	18.7	18.7	18.7
87.5°	2.1	2.0	2.0	1.9	1.9	1.5	1.0	0.5	0.0	0.0	0.0
85°	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.7	2.7	2.6	2.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	4.4	4.1	3.6	3.0	2.3	2.1	2.1	2.1	2.1	2.1	2.1
75°	6.0	5.9	5.7	5.2	4.3	4.1	4.1	4.0	3.8	3.8	3.9
72.5°	12.6	12.5	11.7	10.8	9.3	8.5	8.4	8.0	7.5	7.2	7.0
70°	23.0	22.2	20.9	18.5	15.4	13.3	12.1	10.7	9.0	8.2	8.2
67.5°	33.1	29.7	26.8	23.6	19.4	15.9	14.0	12.2	10.5	9.7	9.3
65°	38.1	30.5	25.4	21.4	18.4	15.5	13.4	11.5	9.8	8.8	8.5
62.5°	35.0	25.4	20.1	16.8	14.1	12.2	10.7	9.2	7.8	6.9	7.2
60°	28.6	19.6	15.0	13.2	11.7	10.5	9.1	7.9	6.9	6.3	6.9
57.5°	21.9	15.6	12.3	11.5	10.4	9.0	8.0	7.7	7.5	7.6	8.0
55°	16.3	13.8	12.4	11.0	9.7	8.8	8.4	8.6	8.6	8.3	8.3
52.5°	13.9	12.7	11.3	10.1	9.8	9.9	10.2	9.8	9.6	9.6	9.8
50°	13.6	12.5	11.4	10.4	10.7	10.8	10.5	10.8	11.4	11.6	11.8
47.5°	14.7	13.9	14.6	12.3	12.8	14.3	14.4	14.7	16.5	17.3	17.6
45°	19.3	23.6	23.5	21.7	20.9	30.3	30.9	25.9	42.2	40.5	28.5
42.5°	35.8	38.0	38.0	47.6	64.4	73.4	97.4	135.6	127.0	98.6	59.6
40°	59.2	56.2	68.6	88.1	107.7	130.7	163.6	228.4	217.4	174.0	191.3
37.5°	102.2	102.2	108.1	135.2	142.7	122.9	174.6	168.7	134.4	189.1	200.1
35°	186.9	205.7	174.5	216.4	222.1	204.3	214.2	236.8	204.8	245.1	262.3
32.5°	335.6	370.3	374.9	385.1	416.0	439.7	433.1	488.3	491.0	543.2	614.6
30°	536.5	608.3	682.9	694.5	733.0	795.5	826.9	938.1	1056.1	1133.3	1275.1
27.5°	943.0	960.7	1110.5	1228.5	1181.6	1275.2	1509.4	1645.2	1870.6	2004.8	2147.6
25°	1514.5	1563.3	1774.5	1992.0	2020.9	2106.4	2446.8	2641.0	2873.3	3008.9	3303.3
22.5°	2239.7	2450.6	2683.0	2969.0	3086.3	3287.2	3618.1	3903.0	4386.8	4985.5	6275.4
20°	3047.7	3364.5	3677.0	3928.2	4170.2	4489.7	4892.2	6267.0	7896.0	12804.1	16190.5
17.5°	3739.0	4258.1	4556.6	4799.9	5103.6	5720.0	7318.0	11369.2	19181.6	30109.0	40111.5
15°	4276.8	4761.3	5241.5	5546.4	6021.0	7385.5	10636.8	20572.4	36760.9	55207.1	77528.9
12.5°	4703.0	5105.3	5508.6	5957.3	6834.4	9493.6	17765.5	33109.3	56650.3	86467.5	126039.9
10°	4933.2	5335.8	5725.0	6363.8	7987.2	12829.4	24422.2	44657.1	81604.5	128172.3	178604.5
7.5°	4931.5	5422.3	5903.7	6682.8	9162.2	16815.5	32263.6	59645.4	103347.7	161730.5	226657.4
5°	4928.9	5522.8	6027.0	6906.4	9897.1	19535.7	37130.9	67946.0	121052.2	186937.3	256458.1
2.5°	4976.7	5630.3	6106.7	7053.6	10237.6	20995.4	39830.8	74502.3	133429.9	201284.7	275573.1
0°	5089.2	5726.1	6153.5	7068.4	10197.0	21296.5	40144.8	76088.5	138193.7	210283.2	286515.9
-2.5°	5275.3	5712.3	6127.0	7008.7	10061.1	20675.3	39411.4	74704.7	132673.8	200269.9	274049.1
-5°	5163.2	5516.2	5883.0	6676.3	9393.8	18497.6	35500.9	66848.6	116360.5	177062.2	240264.2
-7.5°	4875.6	5233.3	5573.1	6257.2	8432.0	15264.7	29040.2	53701.1	92373.2	139647.3	189288.5
-10°	4613.5	4934.2	5254.1	5801.4	7204.6	11196.2	20780.7	38005.2	67443.1	103079.4	141015.5
-12.5°	4411.6	4681.0	4927.4	5294.1	6074.5	8303.9	15118.3	27902.1	45289.3	67977.2	95740.8
-15°	4233.9	4443.4	4624.6	4977.5	5557.6	6722.3	9420.4	16723.6	27557.6	41853.4	57013.3
-17.5°	4069.6	4270.4	4484.6	4753.4	5118.7	5677.8	7227.7	10299.6	16549.9	25888.4	34829.1
-20°	3985.6	4231.3	4415.4	4625.7	4935.7	5365.4	5910.0	7433.9	10010.0	15749.2	21562.6



REPORT NUMBER: P731694 (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°	3919.2	4153.7	4363.7	4607.8	4926.0	5265.2	5559.1	6024.6	7240.0	9042.4	12043.4
-25°	3838.4	4069.6	4380.1	4735.4	5008.9	5265.3	5414.5	5511.5	6033.0	6548.2	7697.1
-27.5°	3685.2	4051.5	4507.5	4891.0	5185.3	5344.5	5464.6	5543.2	5855.9	6163.1	6497.3
-30°	3548.2	4109.7	4602.1	5048.1	5304.2	5498.6	5655.3	5797.0	6013.1	6273.3	6394.8
-32.5°	3061.9	4093.9	4641.6	5052.1	5315.4	5544.7	5786.1	5917.1	6107.4	6298.0	6451.6
-35°	2405.0	3453.7	4598.8	4833.9	5095.3	5394.3	5684.3	5870.6	6064.4	6260.6	6441.5
-37.5°	1801.6	2586.0	3514.6	4363.9	4714.5	5020.7	5376.6	5663.6	5917.3	6131.2	6337.3
-40°	1579.2	1792.0	2475.1	3149.6	3866.1	4523.6	4875.4	5259.7	5641.4	5905.7	6140.9
-42.5°	1576.7	1658.2	1728.0	2180.1	2731.2	3296.8	3895.1	4452.8	5073.8	5509.1	5839.3
-45°	1586.7	1650.2	1715.3	1780.7	1840.9	2256.9	2693.3	3135.8	3783.8	4427.1	4983.3
-47.5°	1511.3	1633.6	1711.5	1774.3	1833.9	1892.3	1949.4	2068.7	2482.9	2921.4	3322.2
-50°	1391.4	1517.6	1633.5	1749.8	1818.1	1875.8	1937.9	2006.1	2072.4	2139.7	2184.5
-52.5°	1244.6	1368.8	1489.4	1599.7	1699.1	1796.7	1894.3	1973.6	2044.4	2113.4	2147.8
-55°	1104.0	1215.8	1325.8	1422.9	1519.7	1616.0	1713.2	1809.7	1905.7	1999.9	2048.1
-57.5°	948.1	1056.7	1160.1	1241.8	1324.1	1406.3	1494.4	1585.2	1672.7	1752.9	1795.1
-60°	782.7	875.7	964.2	1043.6	1120.7	1194.9	1269.7	1345.4	1419.4	1484.6	1522.9
-62.5°	618.1	689.9	763.8	832.9	898.6	961.9	1030.1	1095.3	1156.8	1208.7	1244.9
-65°	483.9	537.6	584.8	632.7	681.4	737.0	793.2	846.4	896.2	937.4	968.2
-67.5°	328.6	377.9	421.2	461.9	499.2	537.2	577.5	616.2	652.9	683.2	707.1
-70°	198.7	226.4	251.1	278.6	311.2	343.1	375.0	404.4	431.2	453.2	470.7
-72.5°	108.0	119.7	132.3	152.1	170.2	188.4	206.3	222.7	237.6	250.7	262.2
-75°	58.1	63.1	72.3	80.5	87.8	95.1	102.2	108.7	114.5	119.4	123.4
-77.5°	44.9	47.3	49.5	51.5	53.2	54.8	56.4	57.9	59.3	60.7	61.9
-80°	34.5	36.1	37.8	39.4	40.8	41.9	42.8	43.6	44.2	45.1	45.9
-82.5°	27.7	28.4	29.2	30.0	30.8	31.7	32.5	33.4	34.2	34.6	34.8
-85°	22.6	23.0	23.2	23.5	23.7	24.0	24.3	24.5	24.6	24.7	24.8
-87.5°	18.3	18.4	18.4	18.5	18.5	19.0	19.6	20.1	20.6	20.7	20.7
-90°	2.1	1.6	1.1	0.5	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°	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.2
87.5°	0.0	0.0	1.0	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.5
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	3.9	3.8	3.8	4.0
72.5°	6.6	6.2	6.2	6.2	6.2	6.2	6.6	7.0	7.2	7.5	8.0
70°	8.2	8.2	8.3	8.3	8.3	8.2	8.2	8.2	8.2	9.0	10.7
67.5°	8.9	8.4	7.3	6.2	7.3	8.4	8.9	9.3	9.7	10.5	12.2
65°	8.4	8.3	7.4	6.2	7.4	8.3	8.4	8.5	8.8	9.8	11.5
62.5°	7.7	8.2	7.4	6.2	7.4	8.2	7.7	7.2	6.9	7.8	9.2
60°	7.5	8.1	8.3	8.3	8.3	8.1	7.5	6.9	6.3	6.9	7.9
57.5°	8.2	8.3	8.3	8.3	8.3	8.3	8.2	8.0	7.6	7.5	7.7
55°	8.3	8.3	9.1	10.4	9.1	8.3	8.3	8.3	8.3	8.6	8.6
52.5°	10.1	10.3	10.4	10.4	10.4	10.3	10.1	9.8	9.6	9.6	9.8
50°	12.1	12.3	12.4	12.4	12.4	12.3	12.1	11.8	11.6	11.4	10.8
47.5°	17.6	16.9	16.5	16.6	16.5	16.9	17.6	17.6	17.3	16.5	14.7
45°	28.9	28.8	28.7	29.0	28.7	28.8	28.9	28.5	40.5	42.2	25.9
42.5°	58.1	52.3	47.8	49.8	47.8	52.3	58.1	59.6	98.6	127.0	135.6
40°	170.7	117.3	68.0	68.5	68.0	117.3	170.7	191.3	174.0	217.4	228.4
37.5°	159.5	128.7	116.2	114.1	116.2	128.7	159.5	200.1	189.1	134.4	168.7
35°	263.2	261.6	250.1	249.0	250.1	261.6	263.2	262.3	245.1	204.8	236.8
32.5°	642.2	668.6	660.0	649.4	660.0	668.6	642.2	614.6	543.2	491.0	488.3
30°	1342.4	1400.9	1389.1	1421.1	1389.1	1400.9	1342.4	1275.1	1133.3	1056.1	938.1
27.5°	2226.6	2264.8	2225.3	2213.7	2225.3	2264.8	2226.6	2147.6	2004.8	1870.6	1645.2
25°	3504.4	3578.6	3612.7	3682.5	3612.7	3578.6	3504.4	3303.3	3008.9	2873.3	2641.0
22.5°	7879.2	8338.4	8102.6	7892.0	8102.6	8338.4	7879.2	6275.4	4985.5	4386.8	3903.0
20°	23123.4	27207.4	26906.4	26369.0	26906.4	27207.4	23123.4	16190.5	12804.1	7896.0	6267.0
17.5°	55757.3	68304.1	76117.7	80229.5	76117.7	68304.1	55757.3	40111.5	30109.0	19181.6	11369.2
15°	104019.7	125123.5	137514.5	144542.1	137514.5	125123.5	104019.7	77528.9	55207.1	36760.9	20572.4
12.5°	164084.0	197161.2	219104.8	223299.7	219104.8	197161.2	164084.0	126039.9	86467.5	56650.3	33109.3
10°	230222.9	272587.2	307526.1	320268.6	307526.1	272587.2	230222.9	178604.5	128172.3	81604.5	44657.1
7.5°	286707.8	340769.4	387163.2	403664.1	387163.2	340769.4	286707.8	226657.4	161730.5	103347.7	59645.4
5°	327781.2	399496.2	441490.2	452821.3	441490.2	399496.2	327781.2	256458.1	186937.3	121052.2	67946.0
2.5°	361215.0	429290.3	474313.8	497527.3	474313.8	429290.3	361215.0	275573.1	201284.7	133429.9	74502.3
0°	375915.4	441335.9	489893.5	523951.3	489893.5	441335.9	375915.4	286515.9	210283.2	138193.7	76088.5
-2.5°	357849.9	424751.5	459293.0	474220.5	459293.0	424751.5	357849.9	274049.1	200269.9	132673.8	74704.7
-5°	304247.2	367314.1	402030.8	413060.3	402030.8	367314.1	304247.2	240264.2	177062.2	116360.5	66848.6
-7.5°	237325.5	281018.3	310970.8	321409.7	310970.8	281018.3	237325.5	189288.5	139647.3	92373.2	53701.1
-10°	178700.9	210036.1	226087.2	231512.2	226087.2	210036.1	178700.9	141015.5	103079.4	67443.1	38005.2
-12.5°	122705.8	146295.0	156670.6	163487.0	156670.6	146295.0	122705.8	95740.8	67977.2	45289.3	27902.1
-15°	75479.6	90858.1	99028.0	103691.9	99028.0	90858.1	75479.6	57013.3	41853.4	27557.6	16723.6
-17.5°	45857.8	54217.2	59631.4	62084.5	59631.4	54217.2	45857.8	34829.1	25888.4	16549.9	10299.6
-20°	28469.7	34035.5	37196.8	39010.0	37196.8	34035.5	28469.7	21562.6	15749.2	10010.0	7433.9



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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°	15993.4	19047.3	20759.8	21356.6	20759.8	19047.3	15993.4	12043.4	9042.4	7240.0	6024.6
-25°	8893.8	9671.1	10011.2	10091.2	10011.2	9671.1	8893.8	7697.1	6548.2	6033.0	5511.5
-27.5°	6787.1	6952.8	7057.9	7089.1	7057.9	6952.8	6787.1	6497.3	6163.1	5855.9	5543.2
-30°	6510.4	6527.7	6556.6	6551.8	6556.6	6527.7	6510.4	6394.8	6273.3	6013.1	5797.0
-32.5°	6559.8	6566.2	6571.9	6562.2	6571.9	6566.2	6559.8	6451.6	6298.0	6107.4	5917.1
-35°	6540.3	6559.0	6573.8	6580.8	6573.8	6559.0	6540.3	6441.5	6260.6	6064.4	5870.6
-37.5°	6419.3	6445.1	6457.8	6446.0	6457.8	6445.1	6419.3	6337.3	6131.2	5917.3	5663.6
-40°	6197.4	6216.0	6217.3	6207.4	6217.3	6216.0	6197.4	6140.9	5905.7	5641.4	5259.7
-42.5°	5939.9	6005.4	6036.3	6037.3	6036.3	6005.4	5939.9	5839.3	5509.1	5073.8	4452.8
-45°	5335.8	5609.3	5771.5	5811.1	5771.5	5609.3	5335.8	4983.3	4427.1	3783.8	3135.8
-47.5°	3642.5	3914.2	4090.9	4157.6	4090.9	3914.2	3642.5	3322.2	2921.4	2482.9	2068.7
-50°	2217.2	2250.1	2264.6	2261.4	2264.6	2250.1	2217.2	2184.5	2139.7	2072.4	2006.1
-52.5°	2174.2	2200.2	2216.2	2224.0	2216.2	2200.2	2174.2	2147.8	2113.4	2044.4	1973.6
-55°	2087.7	2120.3	2137.1	2141.1	2137.1	2120.3	2087.7	2048.1	1999.9	1905.7	1809.7
-57.5°	1830.6	1859.0	1875.3	1881.7	1875.3	1859.0	1830.6	1795.1	1752.9	1672.7	1585.2
-60°	1553.8	1577.6	1588.0	1589.2	1588.0	1577.6	1553.8	1522.9	1484.6	1419.4	1345.4
-62.5°	1274.9	1298.6	1306.4	1305.0	1306.4	1298.6	1274.9	1244.9	1208.7	1156.8	1095.3
-65°	994.0	1014.6	1018.6	1014.5	1018.6	1014.6	994.0	968.2	937.4	896.2	846.4
-67.5°	727.2	743.3	748.0	746.9	748.0	743.3	727.2	707.1	683.2	652.9	616.2
-70°	484.6	495.0	494.6	489.6	494.6	495.0	484.6	470.7	453.2	431.2	404.4
-72.5°	271.9	279.7	286.1	290.5	286.1	279.7	271.9	262.2	250.7	237.6	222.7
-75°	126.6	129.1	132.3	134.9	132.3	129.1	126.6	123.4	119.4	114.5	108.7
-77.5°	63.0	64.0	65.2	66.4	65.2	64.0	63.0	61.9	60.7	59.3	57.9
-80°	46.7	47.5	47.7	47.7	47.7	47.5	46.7	45.9	45.1	44.2	43.6
-82.5°	35.0	35.2	35.3	35.3	35.3	35.2	35.0	34.8	34.6	34.2	33.4
-85°	24.8	24.9	25.9	27.0	25.9	24.9	24.8	24.8	24.7	24.6	24.5
-87.5°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.6	20.1
-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):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	17.7	17.1	16.6	16.6	16.6	16.6	16.6	16.1	15.6	15.0	14.5
87.5°	1.0	1.5	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.1	2.1
85°	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3	2.4	2.4	2.4
80°	2.1	2.1	2.1	2.4	2.6	2.7	2.7	3.0	3.3	3.6	3.8
77.5°	2.1	2.1	2.3	3.0	3.6	4.1	4.4	4.7	4.9	5.1	5.2
75°	4.1	4.1	4.3	5.2	5.7	5.9	6.0	5.8	5.8	6.0	6.2
72.5°	8.4	8.5	9.3	10.8	11.7	12.5	12.6	11.8	10.2	7.9	6.2
70°	12.1	13.3	15.4	18.5	20.9	22.2	23.0	22.4	20.3	18.0	13.8
67.5°	14.0	15.9	19.4	23.6	26.8	29.7	33.1	36.3	36.6	34.2	24.7
65°	13.4	15.5	18.4	21.4	25.4	30.5	38.1	42.9	45.9	47.1	38.8
62.5°	10.7	12.2	14.1	16.8	20.1	25.4	35.0	43.3	50.2	51.7	43.7
60°	9.1	10.5	11.7	13.2	15.0	19.6	28.6	39.1	51.1	49.9	44.7
57.5°	8.0	9.0	10.4	11.5	12.3	15.6	21.9	30.5	41.6	42.8	41.0
55°	8.4	8.8	9.7	11.0	12.4	13.8	16.3	21.6	29.5	31.9	32.5
52.5°	10.2	9.9	9.8	10.1	11.3	12.7	13.9	16.8	19.4	22.8	24.7
50°	10.5	10.8	10.7	10.4	11.4	12.5	13.6	14.5	16.0	17.6	18.9
47.5°	14.4	14.3	12.8	12.3	14.6	13.9	14.7	15.4	16.3	15.9	16.8
45°	30.9	30.3	20.9	21.7	23.5	23.6	19.3	20.6	19.9	18.6	16.5
42.5°	97.4	73.4	64.4	47.6	38.0	38.0	35.8	32.9	29.9	24.7	23.6
40°	163.6	130.7	107.7	88.1	68.6	56.2	59.2	50.4	45.1	38.4	38.1
37.5°	174.6	122.9	142.7	135.2	108.1	102.2	102.2	85.1	62.8	75.9	74.8
35°	214.2	204.3	222.1	216.4	174.5	205.7	186.9	146.2	123.2	137.0	128.6
32.5°	433.1	439.7	416.0	385.1	374.9	370.3	335.6	258.4	245.7	236.1	207.5
30°	826.9	795.5	733.0	694.5	682.9	608.3	536.5	541.9	468.1	362.5	309.8
27.5°	1509.4	1275.2	1181.6	1228.5	1110.5	960.7	943.0	956.8	771.9	584.9	446.8
25°	2446.8	2106.4	2020.9	1992.0	1774.5	1563.3	1514.5	1452.1	1239.6	878.4	617.5
22.5°	3618.1	3287.2	3086.3	2969.0	2683.0	2450.6	2239.7	2010.1	1794.7	1315.0	915.8
20°	4892.2	4489.7	4170.2	3928.2	3677.0	3364.5	3047.7	2652.2	2314.5	1858.7	1277.7
17.5°	7318.0	5720.0	5103.6	4799.9	4556.6	4258.1	3739.0	3226.9	2829.2	2428.4	1677.1
15°	10636.8	7385.5	6021.0	5546.4	5241.5	4761.3	4276.8	3731.2	3334.6	2943.5	2129.2
12.5°	17765.5	9493.6	6834.4	5957.3	5508.6	5105.3	4703.0	4209.1	3733.2	3218.8	2451.5
10°	24422.2	12829.4	7987.2	6363.8	5725.0	5335.8	4933.2	4361.6	3822.3	3364.7	2725.3
7.5°	32263.6	16815.5	9162.2	6682.8	5903.7	5422.3	4931.5	4346.2	3867.0	3463.8	2951.3
5°	37130.9	19535.7	9897.1	6906.4	6027.0	5522.8	4928.9	4265.8	3873.9	3524.0	3129.9
2.5°	39830.8	20995.4	10237.6	7053.6	6106.7	5630.3	4976.7	4227.3	3873.7	3535.9	3184.9
0°	40144.8	21296.5	10197.0	7068.4	6153.5	5726.1	5089.2	4242.7	3865.1	3526.9	3197.1
-2.5°	39411.4	20675.3	10061.1	7008.7	6127.0	5712.3	5275.3	4409.6	3958.7	3566.7	3182.9
-5°	35500.9	18497.6	9393.8	6676.3	5883.0	5516.2	5163.2	4437.2	3960.3	3562.6	3126.1
-7.5°	29040.2	15264.7	8432.0	6257.2	5573.1	5233.3	4875.6	4297.2	3797.2	3422.6	2944.6
-10°	20780.7	11196.2	7204.6	5801.4	5254.1	4934.2	4613.5	4103.8	3618.7	3267.8	2729.1
-12.5°	15118.3	8303.9	6074.5	5294.1	4927.4	4681.0	4411.6	3883.1	3427.3	3100.0	2484.3
-15°	9420.4	6722.3	5557.6	4977.5	4624.6	4443.4	4233.9	3763.4	3390.9	2975.2	2214.2
-17.5°	7227.7	5677.8	5118.7	4753.4	4484.6	4270.4	4069.6	3737.3	3375.9	2871.9	1975.5
-20°	5910.0	5365.4	4935.7	4625.7	4415.4	4231.3	3985.6	3727.0	3322.7	2597.3	1744.3



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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°	5559.1	5265.2	4926.0	4607.8	4363.7	4153.7	3919.2	3657.6	3234.5	2234.5	1491.0
-25°	5414.5	5265.3	5008.9	4735.4	4380.1	4069.6	3838.4	3494.7	2790.5	1876.2	1257.4
-27.5°	5464.6	5344.5	5185.3	4891.0	4507.5	4051.5	3685.2	3243.1	2283.7	1573.1	1243.3
-30°	5655.3	5498.6	5304.2	5048.1	4602.1	4109.7	3548.2	2659.8	1876.9	1325.7	1233.2
-32.5°	5786.1	5544.7	5315.4	5052.1	4641.6	4093.9	3061.9	2107.3	1475.4	1311.9	1232.8
-35°	5684.3	5394.3	5095.3	4833.9	4598.8	3453.7	2405.0	1665.7	1383.2	1298.5	1230.2
-37.5°	5376.6	5020.7	4714.5	4363.9	3514.6	2586.0	1801.6	1481.2	1373.5	1288.2	1185.9
-40°	4875.4	4523.6	3866.1	3149.6	2475.1	1792.0	1579.2	1476.6	1378.5	1249.1	1120.0
-42.5°	3895.1	3296.8	2731.2	2180.1	1728.0	1658.2	1576.7	1484.9	1359.0	1196.0	1045.4
-45°	2693.3	2256.9	1840.9	1780.7	1715.3	1650.2	1586.7	1453.0	1295.2	1127.7	968.9
-47.5°	1949.4	1892.3	1833.9	1774.3	1711.5	1633.6	1511.3	1376.4	1204.5	1044.6	905.2
-50°	1937.9	1875.8	1818.1	1749.8	1633.5	1517.6	1391.4	1255.6	1100.3	960.2	829.2
-52.5°	1894.3	1796.7	1699.1	1599.7	1489.4	1368.8	1244.6	1123.5	993.0	862.6	739.8
-55°	1713.2	1616.0	1519.7	1422.9	1325.8	1215.8	1104.0	989.2	872.4	753.4	646.6
-57.5°	1494.4	1406.3	1324.1	1241.8	1160.1	1056.7	948.1	842.8	744.3	642.9	549.3
-60°	1269.7	1194.9	1120.7	1043.6	964.2	875.7	782.7	693.9	609.9	534.5	459.2
-62.5°	1030.1	961.9	898.6	832.9	763.8	689.9	618.1	556.1	494.2	429.5	358.5
-65°	793.2	737.0	681.4	632.7	584.8	537.6	483.9	426.1	367.1	309.2	250.6
-67.5°	577.5	537.2	499.2	461.9	421.2	377.9	328.6	279.2	239.7	202.7	162.0
-70°	375.0	343.1	311.2	278.6	251.1	226.4	198.7	168.9	137.6	115.6	97.1
-72.5°	206.3	188.4	170.2	152.1	132.3	119.7	108.0	94.7	80.4	65.2	54.1
-75°	102.2	95.1	87.8	80.5	72.3	63.1	58.1	54.6	51.2	47.7	44.2
-77.5°	56.4	54.8	53.2	51.5	49.5	47.3	44.9	42.4	40.3	38.4	36.3
-80°	42.8	41.9	40.8	39.4	37.8	36.1	34.5	33.1	31.8	30.6	29.5
-82.5°	32.5	31.7	30.8	30.0	29.2	28.4	27.7	26.9	26.0	24.9	23.8
-85°	24.3	24.0	23.7	23.5	23.2	23.0	22.6	22.0	21.4	20.9	20.4
-87.5°	19.6	19.0	18.5	18.5	18.4	18.4	18.3	18.2	18.0	17.7	17.5
-90°	0.0	0.0	0.0	0.5	1.1	1.6	2.1	2.1	2.1	2.1	2.1





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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	14.0	13.5	12.9	12.4	12.4	12.4	12.4	12.4	11.9	11.4	10.9
87.5°	2.4	2.7	3.0	3.2	3.4	3.6	3.8	4.1	4.3	4.5	4.6
85°	2.6	3.1	3.6	4.1	4.1	4.1	4.1	4.1	4.5	4.8	5.1
82.5°	2.7	3.1	3.6	4.1	4.4	4.6	4.7	4.7	4.9	5.2	5.5
80°	3.7	3.7	3.9	4.2	4.7	5.2	5.5	5.6	5.5	5.6	5.8
77.5°	4.9	4.5	4.2	4.2	4.8	5.3	5.8	6.2	6.1	5.9	6.0
75°	6.2	5.8	5.4	5.1	5.1	5.3	5.8	6.2	6.2	6.2	6.1
72.5°	6.2	6.2	6.2	6.2	5.8	5.8	6.0	6.2	6.2	6.2	6.2
70°	9.7	6.8	6.2	6.2	6.2	6.2	6.1	6.3	6.2	6.2	6.2
67.5°	15.7	11.1	8.0	6.5	6.2	6.2	6.2	6.5	6.5	6.2	6.2
65°	27.6	17.9	10.2	8.4	7.0	6.2	6.2	6.6	6.9	6.7	6.2
62.5°	35.6	26.8	17.7	11.5	8.5	7.1	6.2	6.7	7.2	7.1	6.6
60°	39.5	31.1	24.5	17.7	11.6	8.1	7.1	6.8	7.3	7.7	7.1
57.5°	36.5	33.3	28.5	22.7	16.3	10.6	8.0	7.5	7.4	7.9	7.7
55°	31.1	29.1	30.4	26.3	20.2	14.0	9.8	8.3	7.7	8.0	8.4
52.5°	24.5	26.3	29.0	28.5	23.4	17.3	12.7	9.2	8.4	8.1	8.5
50°	19.6	23.5	27.7	29.0	26.1	20.5	15.3	11.3	9.2	8.3	8.6
47.5°	18.1	21.9	25.6	29.6	28.1	23.6	18.0	13.2	10.0	9.0	8.7
45°	20.0	21.5	24.5	28.0	30.5	26.1	20.8	14.9	11.4	9.7	8.8
42.5°	24.4	24.8	24.8	26.8	30.1	28.2	23.4	17.2	12.7	10.5	9.3
40°	35.1	31.2	27.2	29.4	30.0	30.1	25.3	19.5	13.8	11.5	10.0
37.5°	48.9	42.4	34.9	36.9	32.7	30.9	27.0	21.6	15.5	12.7	10.7
35°	94.4	57.9	59.4	54.8	43.0	32.5	28.7	23.5	17.9	13.8	11.4
32.5°	153.2	111.3	109.6	84.5	57.0	34.9	30.4	26.0	20.5	14.9	12.2
30°	251.4	231.4	182.3	122.1	78.6	47.8	33.7	28.7	23.0	16.0	13.0
27.5°	406.2	374.3	281.5	189.2	114.6	64.8	39.6	31.6	25.6	17.5	13.9
25°	562.8	522.2	419.1	278.1	155.7	100.6	47.0	34.8	28.1	19.6	14.8
22.5°	719.2	666.2	571.7	380.5	217.9	146.7	65.7	40.5	30.6	21.6	15.6
20°	868.6	809.3	725.0	466.0	293.6	201.6	99.4	46.8	33.1	23.6	16.4
17.5°	1042.3	918.1	791.4	556.1	368.8	256.7	138.4	53.8	35.6	25.5	17.1
15°	1309.4	983.5	851.5	636.3	434.0	311.4	181.2	61.1	38.2	27.3	17.8
12.5°	1552.0	1044.3	910.8	706.7	489.9	365.4	226.6	68.7	40.6	28.9	18.4
10°	1778.9	1100.7	968.3	767.6	537.6	418.0	273.1	76.4	43.7	30.1	19.0
7.5°	1984.5	1152.4	1022.9	819.1	574.8	452.3	304.4	84.1	47.0	31.2	19.5
5°	2146.5	1193.3	1067.8	855.7	589.1	465.3	329.2	91.3	50.2	32.0	20.0
2.5°	2200.2	1219.4	1103.7	884.2	600.2	474.0	348.9	97.9	53.2	32.7	20.4
0°	2211.6	1240.7	1132.8	904.6	607.9	479.2	363.1	103.7	56.0	33.2	20.7
-2.5°	2200.7	1243.1	1134.1	921.9	631.8	493.9	375.9	129.3	73.8	43.3	25.6
-5°	2150.6	1241.6	1129.6	930.7	651.3	505.8	383.8	153.5	90.8	52.9	30.2
-7.5°	2017.6	1224.7	1114.0	929.6	665.8	514.8	387.5	175.8	106.6	61.8	34.6
-10°	1846.1	1196.5	1084.9	909.9	675.3	525.8	388.8	196.0	120.8	69.9	38.5
-12.5°	1652.0	1164.4	1056.0	887.7	681.4	538.4	392.3	213.2	133.0	76.8	41.8
-15°	1440.1	1128.4	1029.1	864.7	684.4	548.1	392.1	227.2	143.5	83.5	44.5
-17.5°	1222.1	1088.7	1005.8	842.8	684.7	554.9	388.5	237.7	152.1	90.2	47.6
-20°	1180.6	1072.0	984.3	823.2	682.6	558.8	381.8	244.6	158.9	95.3	50.6



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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°	1170.5	1077.3	967.2	813.3	680.2	559.9	372.1	247.4	163.8	98.5	52.4
-25°	1160.0	1083.8	949.2	801.7	677.4	543.5	366.9	246.1	166.5	99.8	52.9
-27.5°	1160.9	1082.2	926.1	782.5	662.0	524.6	364.1	248.0	167.4	98.9	51.9
-30°	1168.5	1051.6	898.9	757.4	641.0	493.3	355.6	247.4	166.2	97.4	49.5
-32.5°	1160.6	1016.0	863.3	730.1	606.6	460.5	337.8	244.1	162.1	94.6	48.0
-35°	1109.2	967.8	819.6	696.3	567.0	434.8	319.0	237.9	154.9	89.5	46.2
-37.5°	1052.3	909.7	776.5	654.9	526.7	405.8	304.1	223.3	144.7	82.3	43.3
-40°	985.4	852.1	729.0	610.0	489.8	373.6	285.4	205.1	133.7	72.7	39.4
-42.5°	915.6	796.6	678.3	564.2	451.2	348.6	262.9	184.0	118.5	65.2	34.3
-45°	851.7	736.6	622.8	515.6	410.9	319.5	236.1	160.6	101.0	58.1	30.5
-47.5°	782.6	670.5	564.5	463.2	373.1	286.1	205.9	138.6	81.8	49.6	29.3
-50°	705.3	601.7	503.6	413.3	329.7	248.4	174.1	114.4	70.0	39.4	27.8
-52.5°	628.9	531.7	443.9	362.1	282.4	207.1	144.1	89.3	57.2	34.6	26.1
-55°	548.1	463.2	384.2	305.8	231.1	168.3	111.6	73.2	43.3	32.0	24.2
-57.5°	469.4	394.2	317.6	244.6	182.2	128.0	86.5	56.0	37.5	29.3	23.6
-60°	386.4	314.3	245.4	186.7	133.9	93.9	65.4	42.4	33.9	26.7	22.8
-62.5°	291.5	231.2	180.0	129.8	94.8	68.3	46.3	37.8	30.1	25.6	21.9
-65°	203.7	158.0	115.6	89.8	65.1	47.1	40.6	33.0	28.1	24.3	21.0
-67.5°	122.2	100.1	77.9	55.6	46.3	40.5	34.5	30.2	26.4	23.0	19.9
-70°	77.9	58.7	49.4	44.3	39.1	34.2	31.3	28.1	24.7	21.6	18.8
-72.5°	49.9	45.5	41.0	36.6	33.7	31.0	28.5	25.9	22.9	20.1	17.6
-75°	40.4	37.4	34.7	32.2	29.8	27.7	25.7	23.5	20.9	18.6	16.5
-77.5°	34.0	31.7	29.6	28.0	26.3	24.7	23.0	21.1	19.1	17.2	15.3
-80°	28.1	26.8	25.6	24.5	23.1	21.6	20.4	19.3	17.6	15.9	14.2
-82.5°	23.0	22.4	21.8	21.0	20.0	19.1	18.4	17.6	16.1	14.5	13.1
-85°	19.8	19.1	18.3	17.5	17.0	16.6	16.3	15.9	14.7	13.5	12.4
-87.5°	16.8	16.1	15.5	14.8	14.7	14.5	14.3	14.2	13.3	12.5	11.7
-90°	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1	4.1	4.1



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	10.4	9.9	9.4	8.8	8.3	7.3	6.2
87.5°	4.6	5.0	5.3	5.7	6.2	6.2	6.2
85°	5.2	5.3	5.5	5.8	6.2	6.3	6.2
82.5°	5.7	5.7	5.7	5.9	6.2	6.3	6.2
80°	6.2	6.0	5.9	6.0	6.2	6.4	6.2
77.5°	6.2	6.2	6.1	6.0	6.2	6.4	6.2
75°	6.3	6.4	6.2	6.1	6.2	6.5	6.2
72.5°	6.3	6.5	6.4	6.2	6.3	6.5	6.2
70°	6.4	6.7	6.6	6.2	6.3	6.6	6.2
67.5°	6.4	6.8	6.8	6.4	6.3	6.6	6.2
65°	6.5	7.0	7.0	6.7	6.4	6.7	6.2
62.5°	6.5	7.0	7.3	6.9	6.4	6.7	6.2
60°	6.6	7.1	7.5	7.1	6.5	6.8	6.2
57.5°	7.1	7.1	7.6	7.3	6.7	6.9	6.2
55°	7.6	7.2	7.6	7.5	6.8	6.9	6.2
52.5°	8.1	7.3	7.7	7.8	7.0	7.0	6.2
50°	8.7	7.7	7.7	8.0	7.1	7.0	6.2
47.5°	9.1	8.2	7.8	8.2	7.3	7.1	6.2
45°	9.2	8.6	7.9	8.2	7.4	7.2	6.2
42.5°	9.3	9.0	7.9	8.3	7.6	7.2	6.2
40°	9.4	9.4	8.1	8.3	7.7	7.3	6.2
37.5°	9.5	9.7	8.4	8.4	7.8	7.4	6.2
35°	9.6	9.9	8.7	8.4	7.9	7.4	6.2
32.5°	9.9	10.0	9.0	8.5	7.9	7.5	6.2
30°	10.5	10.1	9.3	8.6	8.0	7.6	6.2
27.5°	11.1	10.2	9.5	8.7	8.1	7.6	6.2
25°	11.7	10.3	9.7	8.8	8.1	7.7	6.2
22.5°	12.3	10.4	9.9	9.0	8.2	7.8	6.2
20°	12.9	10.6	10.0	9.1	8.2	7.8	6.2
17.5°	13.5	10.8	10.2	9.3	8.2	7.9	6.2
15°	14.1	11.0	10.2	9.4	8.3	8.0	6.2
12.5°	14.6	11.2	10.3	9.6	8.3	8.0	6.2
10°	15.1	11.4	10.4	9.8	8.3	8.1	6.2
7.5°	15.5	11.7	10.4	9.9	8.3	8.1	6.2
5°	15.9	11.9	10.4	10.1	8.3	8.2	6.2
2.5°	16.3	12.2	10.4	10.3	8.3	8.3	6.2
0°	16.6	12.4	10.4	10.4	8.3	8.3	6.2
-2.5°	18.2	13.1	10.8	10.5	8.4	8.3	6.2
-5°	19.8	13.7	11.1	10.6	8.5	8.4	6.2
-7.5°	21.2	14.4	11.5	10.7	8.6	8.4	6.2
-10°	22.5	14.9	11.8	10.8	8.7	8.5	6.2
-12.5°	23.6	15.5	12.1	10.9	8.8	8.5	6.2
-15°	24.5	15.9	12.4	11.0	8.8	8.5	6.2
-17.5°	25.2	16.3	12.7	11.0	8.9	8.5	6.2
-20°	26.1	16.7	12.9	11.1	9.0	8.5	6.2



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-CV1

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	27.0	16.9	13.1	11.1	9.1	8.5	6.2
-25°	27.5	17.2	13.2	11.1	9.2	8.5	6.2
-27.5°	27.3	17.4	13.3	11.1	9.3	8.5	6.2
-30°	26.4	17.5	13.4	11.1	9.4	8.5	6.2
-32.5°	24.9	17.5	13.5	11.1	9.4	8.5	6.2
-35°	24.2	17.3	13.7	11.0	9.5	8.5	6.2
-37.5°	24.0	17.2	13.7	11.0	9.6	8.5	6.2
-40°	23.6	17.2	13.8	10.9	9.7	8.5	6.2
-42.5°	23.0	17.2	13.8	10.9	9.7	8.5	6.2
-45°	22.1	17.2	13.7	10.8	9.8	8.4	6.2
-47.5°	21.1	17.0	13.6	10.8	9.9	8.4	6.2
-50°	20.8	16.9	13.5	10.8	9.9	8.4	6.2
-52.5°	20.4	16.6	13.4	10.9	10.0	8.3	6.2
-55°	20.0	16.3	13.2	11.0	10.0	8.3	6.2
-57.5°	19.6	16.0	12.9	11.0	10.1	8.2	6.2
-60°	19.0	15.6	12.7	11.0	10.1	8.2	6.2
-62.5°	18.4	15.2	12.5	11.0	10.0	8.1	6.2
-65°	17.7	14.7	12.4	11.0	9.9	8.0	6.2
-67.5°	17.0	14.2	12.2	10.9	9.7	8.0	6.2
-70°	16.2	13.7	12.0	10.8	9.6	7.9	6.2
-72.5°	15.3	13.2	11.7	10.6	9.5	7.8	6.2
-75°	14.4	12.7	11.4	10.4	9.3	7.8	6.2
-77.5°	13.5	12.1	11.1	10.1	9.2	7.7	6.2
-80°	12.5	11.6	10.7	9.9	9.0	7.6	6.2
-82.5°	11.9	11.2	10.4	9.6	8.8	7.5	6.2
-85°	11.4	10.7	10.1	9.4	8.7	7.4	6.2
-87.5°	10.9	10.3	9.7	9.1	8.5	7.3	6.2
-90°	4.1	4.6	5.2	5.7	6.2	6.2	6.2

(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

