

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: P1305341 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320L-40-70-1S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

Test Method: LM-79-08  
Report Number: P1305341 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320L-40-70-1S-HEG-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

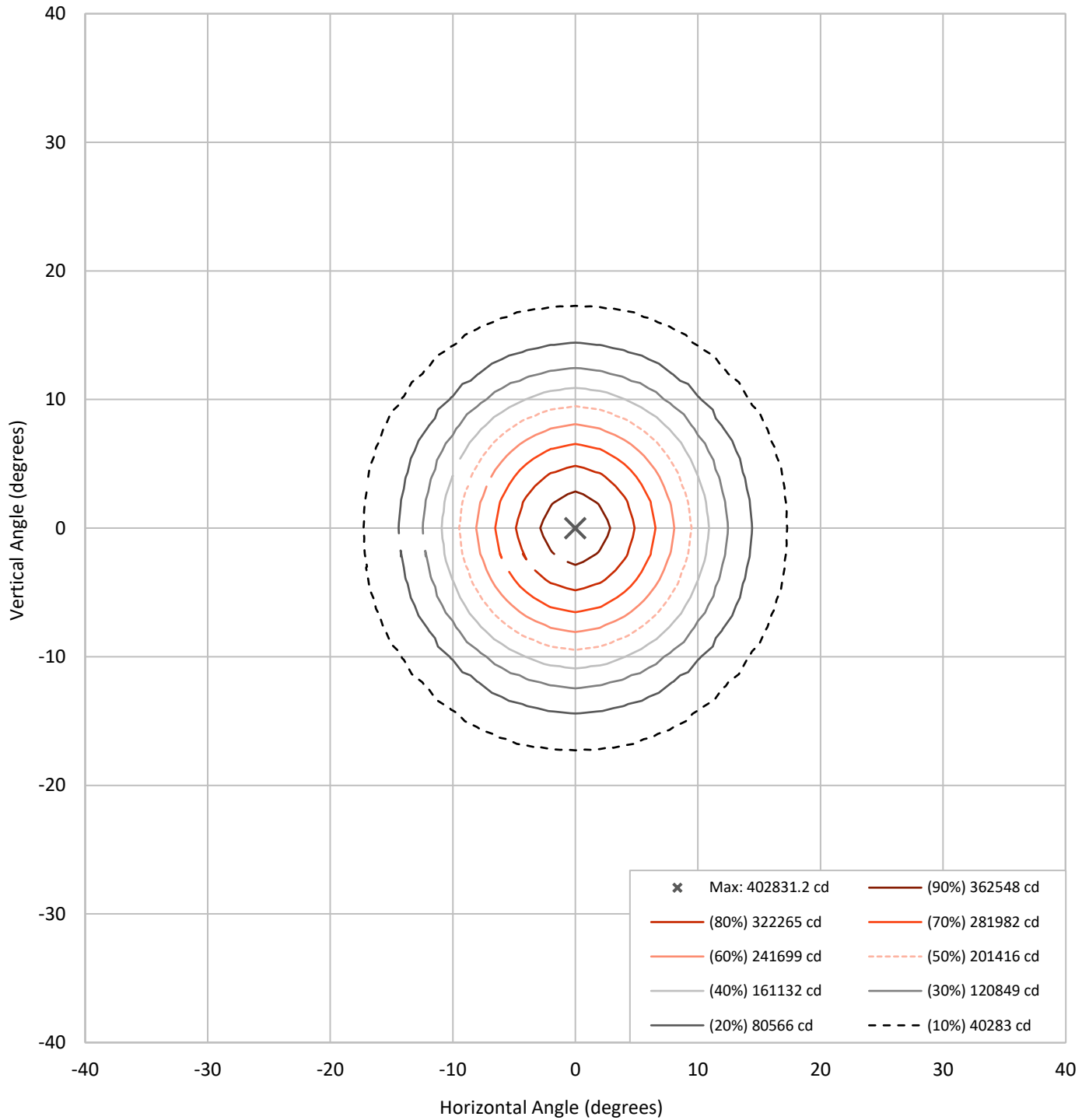
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	54569.8 lumens	Max Intensity:	402831.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	162.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	19°H x 19°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	23520.3 lumens	Field Lumens:	43329.5 lumens
Beam Efficiency:	43.1%	Field Efficiency:	79.4%

Input Watts (W): 336.3  
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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### Iso-Candela Plot





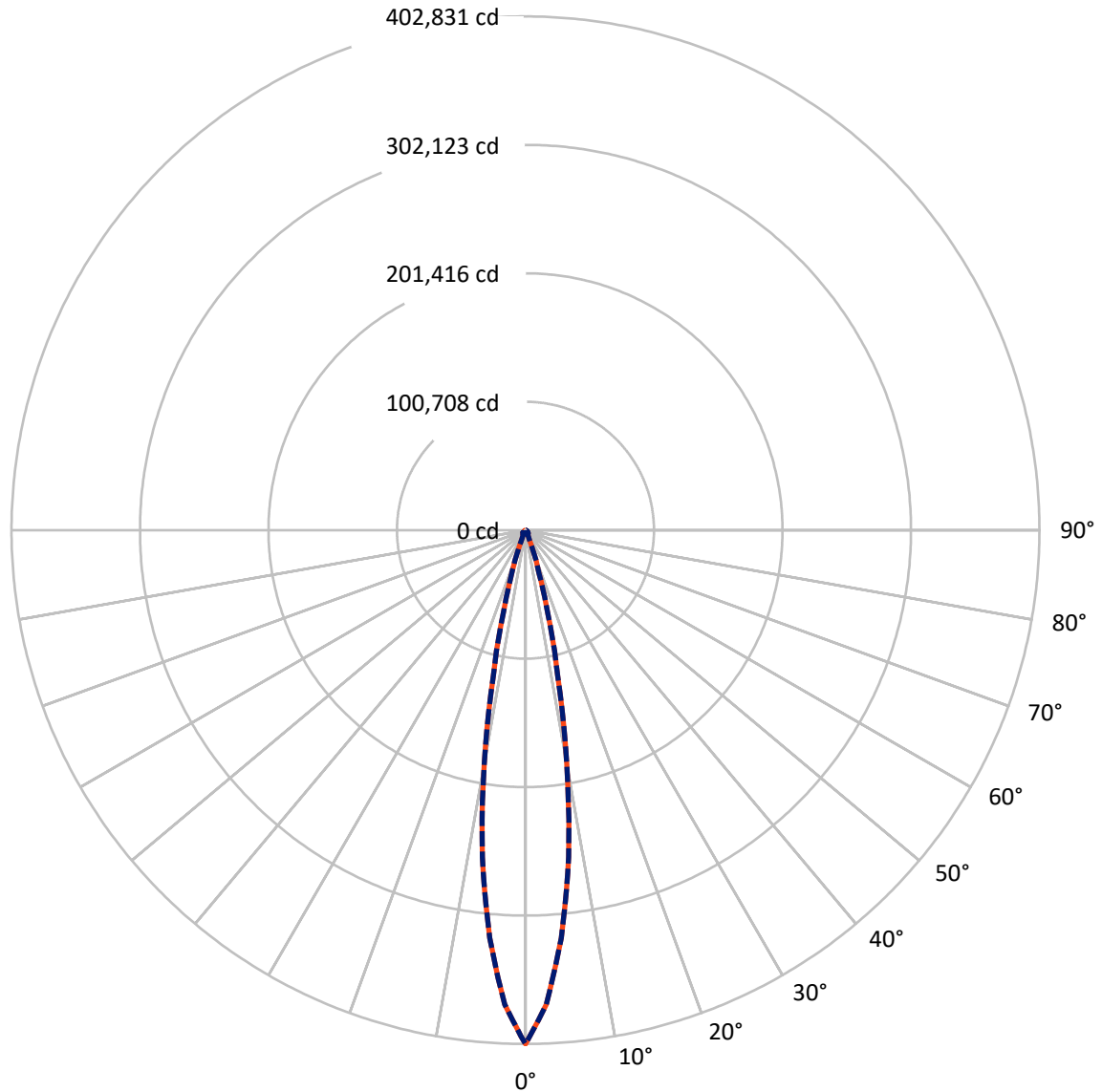
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### Lumen Table

90	0.1	0.5		1.9		4.7		6.2		4.7		1.9		0.5		0.1
80	0.1	0.5		1.9		4.7		6.2		4.7		1.9		0.5		0.1
70	0.2	0.3	1.1	3.4	6.9	10.6	13.8	15.5	15.5	13.8	10.6	6.9	3.4	1.1	0.3	0.2
60		0.9	4.0	9.9	17.0	23.0	26.9	29.0	29.0	26.9	23.0	17.0	9.9	4.0	0.9	
50	0.6	2.1	8.1	16.9	24.6	41.7	65.7	78.9	78.9	65.7	41.7	24.6	16.9	8.1	2.1	0.6
40		3.7	12.0	21.3	50.3	86.2	95.2	95.4	95.4	95.2	86.2	50.3	21.3	12.0	3.7	
30	1.4	5.1	14.7	32.9	78.0	86.3	94.8	164.4	164.4	94.8	86.3	78.0	32.9	14.7	5.1	1.4
20		6.2	16.1	48.8	80.7	89.1	521.1	1945.9	1945.9	521.1	89.1	80.7	48.8	16.1	6.2	
10	1.7	6.8	16.8	56.6	78.3	151.3	1898.7	7472.3	7472.3	1898.7	151.3	78.3	56.6	16.8	6.8	1.7
0		6.8	16.8	56.6	78.3	151.3	1898.7	7472.3	7472.3	1898.7	151.3	78.3	56.6	16.8	6.8	
-10	1.4	6.2	16.1	48.8	80.7	89.1	521.1	1945.9	1945.9	521.1	89.1	80.7	48.8	16.1	6.2	1.4
-20		5.1	14.7	32.9	78.0	86.3	94.8	164.4	164.4	94.8	86.3	78.0	32.9	14.7	5.1	
-30	0.6	3.7	12.0	21.3	50.3	86.2	95.2	95.4	95.4	95.2	86.2	50.3	21.3	12.0	3.7	0.6
-40		2.1	8.1	16.9	24.6	41.7	65.7	78.9	78.9	65.7	41.7	24.6	16.9	8.1	2.1	
-50	0.2	0.9	4.0	9.9	17.0	23.0	26.9	29.0	29.0	26.9	23.0	17.0	9.9	4.0	0.9	0.2
-60		0.3	1.1	3.4	6.9	10.6	13.8	15.5	15.5	13.8	10.6	6.9	3.4	1.1	0.3	
-70	0.1	0.5		1.9		4.7		6.2		4.7		1.9		0.5		0.1
-80		0.5		1.9		4.7		6.2		4.7		1.9		0.5		
-90	0.1	0.5		1.9		4.7		6.2		4.7		1.9		0.5		0.1

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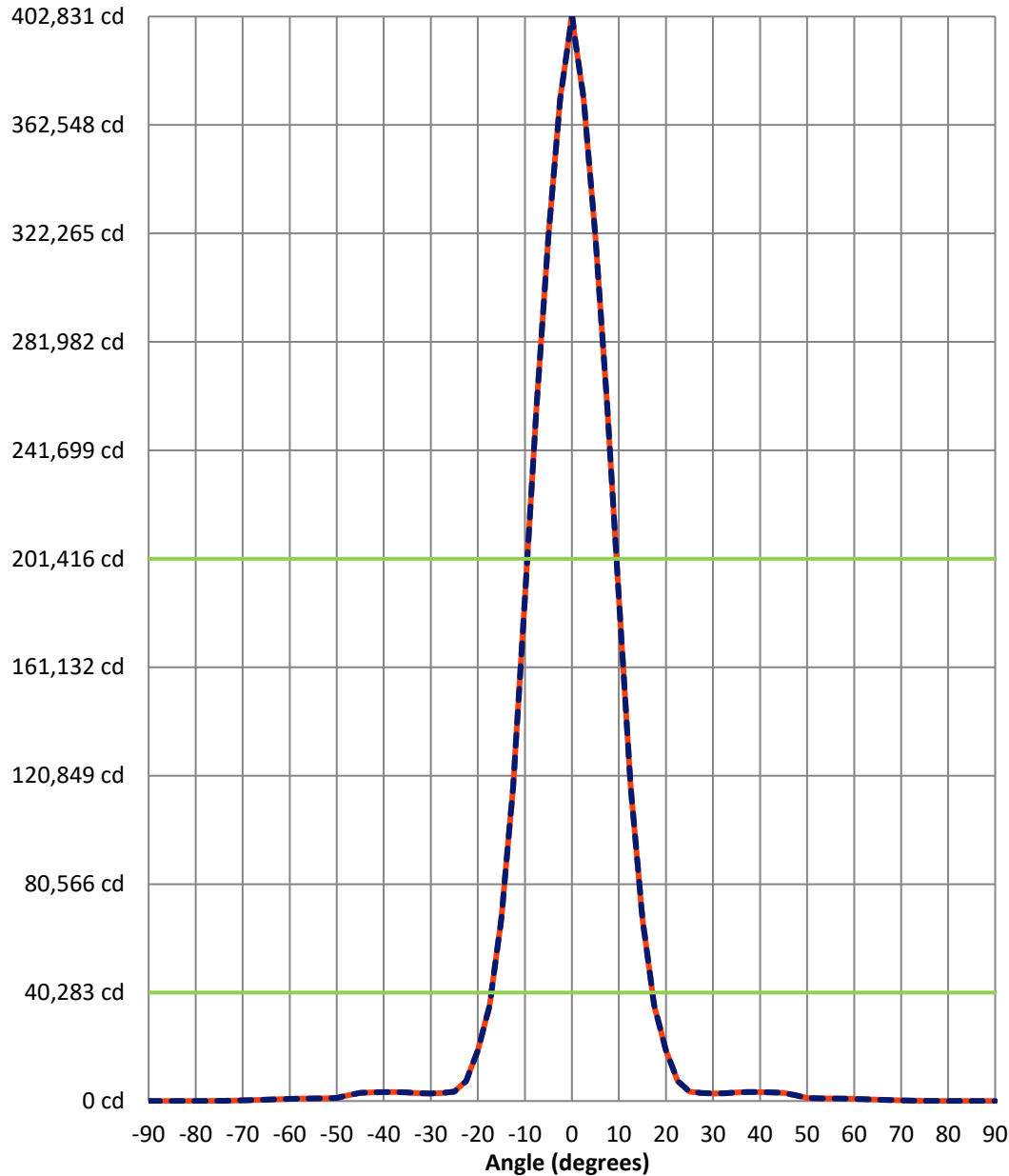
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 19°  
V Angle: 19°  
Lumens: 23520.3  
Efficiency: 43.1%

**Field:**  
H Angle: 34.3°  
V Angle: 34.3°  
Lumens: 43329.5  
Efficiency: 79.4%

**Spill:**  
Lumens: 11240.3  
Efficiency: 20.6%

— 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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.6
85°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.3	2.7	3.0	3.3
82.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.3	4.7
80°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.5	4.9	5.4	5.9
77.5°	0.0	0.8	1.7	2.5	3.4	4.1	4.7	5.3	5.9	6.5	7.4
75°	0.0	1.0	2.0	3.0	4.0	4.7	5.5	6.2	7.0	8.4	9.7
72.5°	0.0	1.2	2.3	3.5	4.5	5.3	6.2	7.2	8.9	10.5	12.0
70°	0.0	1.3	2.7	4.0	4.9	5.9	7.0	8.9	10.7	12.6	14.7
67.5°	0.0	1.5	3.0	4.3	5.4	6.5	8.4	10.5	12.6	15.0	17.4
65°	0.0	1.6	3.3	4.7	5.9	7.4	9.7	12.0	14.7	17.4	20.6
62.5°	0.0	1.8	3.6	5.0	6.3	8.5	11.0	13.8	16.8	20.1	25.1
60°	0.0	1.9	3.9	5.3	6.8	9.6	12.4	15.6	18.9	24.1	29.5
57.5°	0.0	2.1	4.1	5.7	7.6	10.6	13.8	17.4	22.0	28.0	40.5
55°	0.0	2.2	4.3	6.0	8.4	11.7	15.3	19.1	25.4	33.7	54.5
52.5°	0.0	2.4	4.5	6.3	9.2	12.7	16.8	21.8	28.7	45.9	68.1
50°	0.0	2.5	4.7	6.6	10.0	13.9	18.1	24.6	34.0	57.8	93.6
47.5°	0.0	2.6	4.9	6.9	10.8	15.0	19.6	27.3	44.2	69.2	119.8
45°	0.0	2.8	5.1	7.5	11.5	16.0	21.8	29.9	54.0	91.6	145.0
42.5°	0.0	2.9	5.3	8.0	12.2	17.1	23.9	35.7	63.4	113.4	176.6
40°	0.0	3.0	5.4	8.5	12.9	18.1	26.0	43.5	75.5	134.3	208.1
37.5°	0.0	3.1	5.6	9.0	13.6	19.0	27.9	51.0	93.0	156.1	238.0
35°	0.0	3.2	5.7	9.4	14.3	20.3	29.7	58.1	109.7	181.5	267.6
32.5°	0.0	3.3	5.9	9.8	15.0	21.7	32.6	64.7	125.4	205.5	297.1
30°	0.0	3.4	6.0	10.2	15.6	23.0	37.9	72.5	140.0	228.0	324.8
27.5°	0.0	3.5	6.1	10.6	16.2	24.3	42.8	84.4	155.5	248.9	350.5
25°	0.0	3.5	6.3	10.9	16.7	25.4	47.4	95.3	172.5	269.4	374.5
22.5°	0.0	3.6	6.4	11.2	17.2	26.4	51.5	105.2	188.0	288.8	400.7
20°	0.0	3.7	6.4	11.5	17.6	27.4	55.2	114.2	202.0	306.3	424.3
17.5°	0.0	3.7	6.5	11.7	18.0	28.2	58.5	122.2	214.4	321.8	445.3
15°	0.0	3.8	6.6	11.9	18.4	28.9	61.4	129.2	225.3	335.3	463.7
12.5°	0.0	3.8	6.7	12.1	18.6	29.5	63.9	135.1	234.5	346.9	479.3
10°	0.0	3.8	6.7	12.2	18.9	30.0	65.9	139.9	242.1	356.3	492.1
7.5°	0.0	3.9	6.8	12.4	19.1	30.4	67.5	143.7	248.0	363.7	502.1
5°	0.0	3.9	6.8	12.4	19.2	30.7	68.6	146.4	252.2	369.0	509.3
2.5°	0.0	3.9	6.8	12.5	19.3	30.8	69.3	148.1	254.8	372.2	513.7
0°	0.0	3.9	6.8	12.5	19.3	30.9	69.5	148.6	255.6	373.3	515.1
-2.5°	0.0	3.9	6.8	12.5	19.3	30.8	69.3	148.1	254.8	372.2	513.7
-5°	0.0	3.9	6.8	12.4	19.2	30.7	68.6	146.4	252.2	369.0	509.3
-7.5°	0.0	3.9	6.8	12.4	19.1	30.4	67.5	143.7	248.0	363.7	502.1
-10°	0.0	3.8	6.7	12.2	18.9	30.0	65.9	139.9	242.1	356.3	492.1
-12.5°	0.0	3.8	6.7	12.1	18.6	29.5	63.9	135.1	234.5	346.9	479.3
-15°	0.0	3.8	6.6	11.9	18.4	28.9	61.4	129.2	225.3	335.3	463.7
-17.5°	0.0	3.7	6.5	11.7	18.0	28.2	58.5	122.2	214.4	321.8	445.3
-20°	0.0	3.7	6.4	11.5	17.6	27.4	55.2	114.2	202.0	306.3	424.3



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 CATALOG NUMBER: EPH-08-320L-40-70-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.6	6.4	11.2	17.2	26.4	51.5	105.2	188.0	288.8	400.7
-25°	0.0	3.5	6.3	10.9	16.7	25.4	47.4	95.3	172.5	269.4	374.5
-27.5°	0.0	3.5	6.1	10.6	16.2	24.3	42.8	84.4	155.5	248.9	350.5
-30°	0.0	3.4	6.0	10.2	15.6	23.0	37.9	72.5	140.0	228.0	324.8
-32.5°	0.0	3.3	5.9	9.8	15.0	21.7	32.6	64.7	125.4	205.5	297.1
-35°	0.0	3.2	5.7	9.4	14.3	20.3	29.7	58.1	109.7	181.5	267.6
-37.5°	0.0	3.1	5.6	9.0	13.6	19.0	27.9	51.0	93.0	156.1	238.0
-40°	0.0	3.0	5.4	8.5	12.9	18.1	26.0	43.5	75.5	134.3	208.1
-42.5°	0.0	2.9	5.3	8.0	12.2	17.1	23.9	35.7	63.4	113.4	176.6
-45°	0.0	2.8	5.1	7.5	11.5	16.0	21.8	29.9	54.0	91.6	145.0
-47.5°	0.0	2.6	4.9	6.9	10.8	15.0	19.6	27.3	44.2	69.2	119.8
-50°	0.0	2.5	4.7	6.6	10.0	13.9	18.1	24.6	34.0	57.8	93.6
-52.5°	0.0	2.4	4.5	6.3	9.2	12.7	16.8	21.8	28.7	45.9	68.1
-55°	0.0	2.2	4.3	6.0	8.4	11.7	15.3	19.1	25.4	33.7	54.5
-57.5°	0.0	2.1	4.1	5.7	7.6	10.6	13.8	17.4	22.0	28.0	40.5
-60°	0.0	1.9	3.9	5.3	6.8	9.6	12.4	15.6	18.9	24.1	29.5
-62.5°	0.0	1.8	3.6	5.0	6.3	8.5	11.0	13.8	16.8	20.1	25.1
-65°	0.0	1.6	3.3	4.7	5.9	7.4	9.7	12.0	14.7	17.4	20.6
-67.5°	0.0	1.5	3.0	4.3	5.4	6.5	8.4	10.5	12.6	15.0	17.4
-70°	0.0	1.3	2.7	4.0	4.9	5.9	7.0	8.9	10.7	12.6	14.7
-72.5°	0.0	1.2	2.3	3.5	4.5	5.3	6.2	7.2	8.9	10.5	12.0
-75°	0.0	1.0	2.0	3.0	4.0	4.7	5.5	6.2	7.0	8.4	9.7
-77.5°	0.0	0.8	1.7	2.5	3.4	4.1	4.7	5.3	5.9	6.5	7.4
-80°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.5	4.9	5.4	5.9
-82.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.3	4.7
-85°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.3	2.7	3.0	3.3
-87.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.9	2.1	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1
85°	3.6	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.4	5.6
82.5°	5.0	5.3	5.7	6.0	6.3	6.6	6.9	7.5	8.0	8.5	9.0
80°	6.3	6.8	7.6	8.4	9.2	10.0	10.8	11.5	12.2	12.9	13.6
77.5°	8.5	9.6	10.6	11.7	12.7	13.9	15.0	16.0	17.1	18.1	19.0
75°	11.0	12.4	13.8	15.3	16.8	18.1	19.6	21.8	23.9	26.0	27.9
72.5°	13.8	15.6	17.4	19.1	21.8	24.6	27.3	29.9	35.7	43.5	51.0
70°	16.8	18.9	22.0	25.4	28.7	34.0	44.2	54.0	63.4	75.5	93.0
67.5°	20.1	24.1	28.0	33.7	45.9	57.8	69.2	91.6	113.4	134.3	156.1
65°	25.1	29.5	40.5	54.5	68.1	93.6	119.8	145.0	176.6	208.1	238.0
62.5°	30.0	44.0	59.7	80.8	111.4	141.2	177.6	215.2	251.5	289.3	325.7
60°	44.0	61.4	88.0	122.2	158.1	202.0	244.6	288.8	332.4	374.5	422.7
57.5°	59.7	88.0	125.8	167.8	216.7	265.2	316.1	365.3	420.8	475.7	528.7
55°	80.8	122.2	167.8	221.7	276.2	332.6	390.3	454.3	516.1	577.6	636.5
52.5°	111.4	158.1	216.7	276.2	338.1	403.7	474.5	544.2	613.0	677.9	736.8
50°	141.2	202.0	265.2	332.6	403.7	481.3	558.4	634.5	704.7	770.5	829.2
47.5°	177.6	244.6	316.1	390.3	474.5	558.4	641.6	718.2	791.0	853.2	912.2
45°	215.2	288.8	365.3	454.3	544.2	634.5	718.2	797.8	865.2	921.0	941.5
42.5°	251.5	332.4	420.8	516.1	613.0	704.7	791.0	865.2	923.0	945.5	971.6
40°	289.3	374.5	475.7	577.6	677.9	770.5	853.2	921.0	945.5	974.4	1005.6
37.5°	325.7	422.7	528.7	636.5	736.8	829.2	912.2	941.5	971.6	1005.6	1098.9
35°	360.3	468.5	580.4	690.3	793.0	881.9	933.4	963.3	999.9	1090.4	1375.6
32.5°	397.1	511.8	629.3	739.6	840.1	921.5	950.9	988.6	1064.9	1259.5	1970.6
30°	434.1	553.8	674.3	786.1	884.0	936.9	971.8	1023.0	1140.0	1793.0	2483.1
27.5°	468.5	593.0	714.2	825.4	919.2	951.3	992.9	1089.1	1501.2	2278.7	2939.5
25°	500.3	629.3	751.1	860.5	931.6	968.2	1022.7	1150.7	1942.2	2679.4	3103.7
22.5°	529.9	662.5	784.9	892.7	943.0	984.8	1075.4	1480.0	2323.5	3037.4	3187.1
20°	557.1	690.3	813.2	918.2	953.4	1000.0	1123.5	1825.7	2639.6	3108.6	3243.7
17.5°	581.3	715.1	837.0	926.6	965.2	1026.0	1206.1	2136.1	2924.0	3172.8	3285.4
15°	602.4	736.8	857.8	934.1	976.2	1060.8	1458.1	2373.5	3063.3	3223.1	3321.6
12.5°	620.4	755.3	875.5	940.4	985.5	1090.6	1674.0	2572.2	3108.3	3252.5	3331.6
10°	635.3	770.5	890.2	945.6	993.2	1115.2	1852.6	2736.8	3145.7	3277.0	3340.0
7.5°	646.8	782.4	901.6	949.7	999.3	1134.5	1992.6	2866.0	3175.1	3296.2	3346.5
5°	655.1	791.0	909.8	952.6	1003.6	1148.4	2093.3	2959.0	3196.3	3310.1	3351.3
2.5°	660.1	796.1	914.8	954.4	1006.2	1156.7	2154.0	3015.1	3209.0	3318.5	3354.1
0°	<b>661.8</b>	<b>797.8</b>	<b>916.4</b>	<b>955.0</b>	<b>1007.1</b>	<b>1159.5</b>	<b>2174.3</b>	<b>3033.8</b>	<b>3213.3</b>	<b>3321.3</b>	<b>3355.1</b>
-2.5°	660.1	796.1	914.8	954.4	1006.2	1156.7	2154.0	3015.1	3209.0	3318.5	3354.1
-5°	655.1	791.0	909.8	952.6	1003.6	1148.4	2093.3	2959.0	3196.3	3310.1	3351.3
-7.5°	646.8	782.4	901.6	949.7	999.3	1134.5	1992.6	2866.0	3175.1	3296.2	3346.5
-10°	635.3	770.5	890.2	945.6	993.2	1115.2	1852.6	2736.8	3145.7	3277.0	3340.0
-12.5°	620.4	755.3	875.5	940.4	985.5	1090.6	1674.0	2572.2	3108.3	3252.5	3331.6
-15°	602.4	736.8	857.8	934.1	976.2	1060.8	1458.1	2373.5	3063.3	3223.1	3321.6
-17.5°	581.3	715.1	837.0	926.6	965.2	1026.0	1206.1	2136.1	2924.0	3172.8	3285.4
-20°	557.1	690.3	813.2	918.2	953.4	1000.0	1123.5	1825.7	2639.6	3108.6	3243.7



REPORT NUMBER: P1305341 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-70-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	529.9	662.5	784.9	892.7	943.0	984.8	1075.4	1480.0	2323.5	3037.4	3187.1
-25°	500.3	629.3	751.1	860.5	931.6	968.2	1022.7	1150.7	1942.2	2679.4	3103.7
-27.5°	468.5	593.0	714.2	825.4	919.2	951.3	992.9	1089.1	1501.2	2278.7	2939.5
-30°	434.1	553.8	674.3	786.1	884.0	936.9	971.8	1023.0	1140.0	1793.0	2483.1
-32.5°	397.1	511.8	629.3	739.6	840.1	921.5	950.9	988.6	1064.9	1259.5	1970.6
-35°	360.3	468.5	580.4	690.3	793.0	881.9	933.4	963.3	999.9	1090.4	1375.6
-37.5°	325.7	422.7	528.7	636.5	736.8	829.2	912.2	941.5	971.6	1005.6	1098.9
-40°	289.3	374.5	475.7	577.6	677.9	770.5	853.2	921.0	945.5	974.4	1005.6
-42.5°	251.5	332.4	420.8	516.1	613.0	704.7	791.0	865.2	923.0	945.5	971.6
-45°	215.2	288.8	365.3	454.3	544.2	634.5	718.2	797.8	865.2	921.0	941.5
-47.5°	177.6	244.6	316.1	390.3	474.5	558.4	641.6	718.2	791.0	853.2	912.2
-50°	141.2	202.0	265.2	332.6	403.7	481.3	558.4	634.5	704.7	770.5	829.2
-52.5°	111.4	158.1	216.7	276.2	338.1	403.7	474.5	544.2	613.0	677.9	736.8
-55°	80.8	122.2	167.8	221.7	276.2	332.6	390.3	454.3	516.1	577.6	636.5
-57.5°	59.7	88.0	125.8	167.8	216.7	265.2	316.1	365.3	420.8	475.7	528.7
-60°	44.0	61.4	88.0	122.2	158.1	202.0	244.6	288.8	332.4	374.5	422.7
-62.5°	30.0	44.0	59.7	80.8	111.4	141.2	177.6	215.2	251.5	289.3	325.7
-65°	25.1	29.5	40.5	54.5	68.1	93.6	119.8	145.0	176.6	208.1	238.0
-67.5°	20.1	24.1	28.0	33.7	45.9	57.8	69.2	91.6	113.4	134.3	156.1
-70°	16.8	18.9	22.0	25.4	28.7	34.0	44.2	54.0	63.4	75.5	93.0
-72.5°	13.8	15.6	17.4	19.1	21.8	24.6	27.3	29.9	35.7	43.5	51.0
-75°	11.0	12.4	13.8	15.3	16.8	18.1	19.6	21.8	23.9	26.0	27.9
-77.5°	8.5	9.6	10.6	11.7	12.7	13.9	15.0	16.0	17.1	18.1	19.0
-80°	6.3	6.8	7.6	8.4	9.2	10.0	10.8	11.5	12.2	12.9	13.6
-82.5°	5.0	5.3	5.7	6.0	6.3	6.6	6.9	7.5	8.0	8.5	9.0
-85°	3.6	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3	5.4	5.6
-87.5°	1.8	1.9	2.1	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305341 (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°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.8	3.8
85°	5.7	5.9	6.0	6.1	6.3	6.4	6.4	6.5	6.6	6.7	6.7
82.5°	9.4	9.8	10.2	10.6	10.9	11.2	11.5	11.7	11.9	12.1	12.2
80°	14.3	15.0	15.6	16.2	16.7	17.2	17.6	18.0	18.4	18.6	18.9
77.5°	20.3	21.7	23.0	24.3	25.4	26.4	27.4	28.2	28.9	29.5	30.0
75°	29.7	32.6	37.9	42.8	47.4	51.5	55.2	58.5	61.4	63.9	65.9
72.5°	58.1	64.7	72.5	84.4	95.3	105.2	114.2	122.2	129.2	135.1	139.9
70°	109.7	125.4	140.0	155.5	172.5	188.0	202.0	214.4	225.3	234.5	242.1
67.5°	181.5	205.5	228.0	248.9	269.4	288.8	306.3	321.8	335.3	346.9	356.3
65°	267.6	297.1	324.8	350.5	374.5	400.7	424.3	445.3	463.7	479.3	492.1
62.5°	360.3	397.1	434.1	468.5	500.3	529.9	557.1	581.3	602.4	620.4	635.3
60°	468.5	511.8	553.8	593.0	629.3	662.5	690.3	715.1	736.8	755.3	770.5
57.5°	580.4	629.3	674.3	714.2	751.1	784.9	813.2	837.0	857.8	875.5	890.2
55°	690.3	739.6	786.1	825.4	860.5	892.7	918.2	926.6	934.1	940.4	945.6
52.5°	793.0	840.1	884.0	919.2	931.6	943.0	953.4	965.2	976.2	985.5	993.2
50°	881.9	921.5	936.9	951.3	968.2	984.8	1000.0	1026.0	1060.8	1090.6	1115.2
47.5°	933.4	950.9	971.8	992.9	1022.7	1075.4	1123.5	1206.1	1458.1	1674.0	1852.6
45°	963.3	988.6	1023.0	1089.1	1150.7	1480.0	1825.7	2136.1	2373.5	2572.2	2736.8
42.5°	999.9	1064.9	1140.0	1501.2	1942.2	2323.5	2639.6	2924.0	3063.3	3108.3	3145.7
40°	1090.4	1259.5	1793.0	2278.7	2679.4	3037.4	3108.6	3172.8	3223.1	3252.5	3277.0
37.5°	1375.6	1970.6	2483.1	2939.5	3103.7	3187.1	3243.7	3285.4	3321.6	3331.6	3340.0
35°	2030.2	2586.4	3047.2	3148.8	3232.2	3286.0	3325.8	3339.9	3352.4	3316.6	3273.9
32.5°	2586.4	3058.3	3171.6	3253.3	3314.9	3337.3	3354.1	3288.4	3224.4	3143.6	3053.8
30°	3047.2	3171.6	3260.4	3323.9	3344.4	3314.3	3229.7	3111.9	2978.2	2882.1	2857.1
27.5°	3148.8	3253.3	3323.9	3346.8	3291.1	3191.7	3016.5	2880.5	2843.6	2811.1	2877.6
25°	3232.2	3314.9	3344.4	3291.1	3168.3	2967.9	2861.2	2816.9	2894.7	2981.4	3143.4
22.5°	3286.0	3337.3	3314.3	3191.7	2967.9	2854.7	2829.8	2946.8	3139.8	3393.1	4272.7
20°	3325.8	3354.1	3229.7	3016.5	2861.2	2829.8	2964.5	3238.9	3803.7	5953.2	8496.8
17.5°	3339.9	3288.4	3111.9	2880.5	2816.9	2946.8	3238.9	4214.6	6824.5	12482.7	18451.8
15°	3352.4	3224.4	2978.2	2843.6	2894.7	3139.8	3803.7	6824.5	13849.8	22589.7	32403.2
12.5°	3316.6	3143.6	2882.1	2811.1	2981.4	3393.1	5953.2	12482.7	22589.7	34786.7	55446.4
10°	3273.9	3053.8	2857.1	2877.6	3143.4	4272.7	8496.8	18451.8	32403.2	55446.4	83495.6
7.5°	3240.1	2982.6	2837.2	2931.2	3301.2	5627.7	12871.2	25529.5	45435.3	75778.3	117240.7
5°	3215.7	2930.9	2822.7	2970.2	3416.9	6626.6	16121.2	30968.0	57576.5	96300.9	151605.8
2.5°	3200.9	2899.6	2813.9	2994.0	3487.5	7239.5	18126.6	34351.5	65221.0	111097.6	177315.3
0°	3195.9	2889.1	2811.0	3002.0	3511.3	7446.1	18804.9	35501.1	67836.1	116712.1	186498.7
-2.5°	3200.9	2899.6	2813.9	2994.0	3487.5	7239.5	18126.6	34351.5	65221.0	111097.6	177315.3
-5°	3215.7	2930.9	2822.7	2970.2	3416.9	6626.6	16121.2	30968.0	57576.5	96300.9	151605.8
-7.5°	3240.1	2982.6	2837.2	2931.2	3301.2	5627.7	12871.2	25529.5	45435.3	75778.3	117240.7
-10°	3273.9	3053.8	2857.1	2877.6	3143.4	4272.7	8496.8	18451.8	32403.2	55446.4	83495.6
-12.5°	3316.6	3143.6	2882.1	2811.1	2981.4	3393.1	5953.2	12482.7	22589.7	34786.7	55446.4
-15°	3352.4	3224.4	2978.2	2843.6	2894.7	3139.8	3803.7	6824.5	13849.8	22589.7	32403.2
-17.5°	3339.9	3288.4	3111.9	2880.5	2816.9	2946.8	3238.9	4214.6	6824.5	12482.7	18451.8
-20°	3325.8	3354.1	3229.7	3016.5	2861.2	2829.8	2964.5	3238.9	3803.7	5953.2	8496.8



REPORT NUMBER: P1305341 (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°	3286.0	3337.3	3314.3	3191.7	2967.9	2854.7	2829.8	2946.8	3139.8	3393.1	4272.7
-25°	3232.2	3314.9	3344.4	3291.1	3168.3	2967.9	2861.2	2816.9	2894.7	2981.4	3143.4
-27.5°	3148.8	3253.3	3323.9	3346.8	3291.1	3191.7	3016.5	2880.5	2843.6	2811.1	2877.6
-30°	3047.2	3171.6	3260.4	3323.9	3344.4	3314.3	3229.7	3111.9	2978.2	2882.1	2857.1
-32.5°	2586.4	3058.3	3171.6	3253.3	3314.9	3337.3	3354.1	3288.4	3224.4	3143.6	3053.8
-35°	2030.2	2586.4	3047.2	3148.8	3232.2	3286.0	3325.8	3339.9	3352.4	3316.6	3273.9
-37.5°	1375.6	1970.6	2483.1	2939.5	3103.7	3187.1	3243.7	3285.4	3321.6	3331.6	3340.0
-40°	1090.4	1259.5	1793.0	2278.7	2679.4	3037.4	3108.6	3172.8	3223.1	3252.5	3277.0
-42.5°	999.9	1064.9	1140.0	1501.2	1942.2	2323.5	2639.6	2924.0	3063.3	3108.3	3145.7
-45°	963.3	988.6	1023.0	1089.1	1150.7	1480.0	1825.7	2136.1	2373.5	2572.2	2736.8
-47.5°	933.4	950.9	971.8	992.9	1022.7	1075.4	1123.5	1206.1	1458.1	1674.0	1852.6
-50°	881.9	921.5	936.9	951.3	968.2	984.8	1000.0	1026.0	1060.8	1090.6	1115.2
-52.5°	793.0	840.1	884.0	919.2	931.6	943.0	953.4	965.2	976.2	985.5	993.2
-55°	690.3	739.6	786.1	825.4	860.5	892.7	918.2	926.6	934.1	940.4	945.6
-57.5°	580.4	629.3	674.3	714.2	751.1	784.9	813.2	837.0	857.8	875.5	890.2
-60°	468.5	511.8	553.8	593.0	629.3	662.5	690.3	715.1	736.8	755.3	770.5
-62.5°	360.3	397.1	434.1	468.5	500.3	529.9	557.1	581.3	602.4	620.4	635.3
-65°	267.6	297.1	324.8	350.5	374.5	400.7	424.3	445.3	463.7	479.3	492.1
-67.5°	181.5	205.5	228.0	248.9	269.4	288.8	306.3	321.8	335.3	346.9	356.3
-70°	109.7	125.4	140.0	155.5	172.5	188.0	202.0	214.4	225.3	234.5	242.1
-72.5°	58.1	64.7	72.5	84.4	95.3	105.2	114.2	122.2	129.2	135.1	139.9
-75°	29.7	32.6	37.9	42.8	47.4	51.5	55.2	58.5	61.4	63.9	65.9
-77.5°	20.3	21.7	23.0	24.3	25.4	26.4	27.4	28.2	28.9	29.5	30.0
-80°	14.3	15.0	15.6	16.2	16.7	17.2	17.6	18.0	18.4	18.6	18.9
-82.5°	9.4	9.8	10.2	10.6	10.9	11.2	11.5	11.7	11.9	12.1	12.2
-85°	5.7	5.9	6.0	6.1	6.3	6.4	6.4	6.5	6.6	6.7	6.7
-87.5°	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.8	3.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305341 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-70-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7
85°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.5
82.5°	12.4	12.4	12.5	12.5	12.5	12.4	12.4	12.2	12.1	11.9	11.7
80°	19.1	19.2	19.3	19.3	19.3	19.2	19.1	18.9	18.6	18.4	18.0
77.5°	30.4	30.7	30.8	30.9	30.8	30.7	30.4	30.0	29.5	28.9	28.2
75°	67.5	68.6	69.3	69.5	69.3	68.6	67.5	65.9	63.9	61.4	58.5
72.5°	143.7	146.4	148.1	148.6	148.1	146.4	143.7	139.9	135.1	129.2	122.2
70°	248.0	252.2	254.8	255.6	254.8	252.2	248.0	242.1	234.5	225.3	214.4
67.5°	363.7	369.0	372.2	373.3	372.2	369.0	363.7	356.3	346.9	335.3	321.8
65°	502.1	509.3	513.7	515.1	513.7	509.3	502.1	492.1	479.3	463.7	445.3
62.5°	646.8	655.1	660.1	661.8	660.1	655.1	646.8	635.3	620.4	602.4	581.3
60°	782.4	791.0	796.1	797.8	796.1	791.0	782.4	770.5	755.3	736.8	715.1
57.5°	901.6	909.8	914.8	916.4	914.8	909.8	901.6	890.2	875.5	857.8	837.0
55°	949.7	952.6	954.4	955.0	954.4	952.6	949.7	945.6	940.4	934.1	926.6
52.5°	999.3	1003.6	1006.2	1007.1	1006.2	1003.6	999.3	993.2	985.5	976.2	965.2
50°	1134.5	1148.4	1156.7	1159.5	1156.7	1148.4	1134.5	1115.2	1090.6	1060.8	1026.0
47.5°	1992.6	2093.3	2154.0	2174.3	2154.0	2093.3	1992.6	1852.6	1674.0	1458.1	1206.1
45°	2866.0	2959.0	3015.1	3033.8	3015.1	2959.0	2866.0	2736.8	2572.2	2373.5	2136.1
42.5°	3175.1	3196.3	3209.0	3213.3	3209.0	3196.3	3175.1	3145.7	3108.3	3063.3	2924.0
40°	3296.2	3310.1	3318.5	3321.3	3318.5	3310.1	3296.2	3277.0	3252.5	3223.1	3172.8
37.5°	3346.5	3351.3	3354.1	3355.1	3354.1	3351.3	3346.5	3340.0	3331.6	3321.6	3285.4
35°	3240.1	3215.7	3200.9	3195.9	3200.9	3215.7	3240.1	3273.9	3316.6	3352.4	3339.9
32.5°	2982.6	2930.9	2899.6	2889.1	2899.6	2930.9	2982.6	3053.8	3143.6	3224.4	3288.4
30°	2837.2	2822.7	2813.9	2811.0	2813.9	2822.7	2837.2	2857.1	2882.1	2978.2	3111.9
27.5°	2931.2	2970.2	2994.0	3002.0	2994.0	2970.2	2931.2	2877.6	2811.1	2843.6	2880.5
25°	3301.2	3416.9	3487.5	3511.3	3487.5	3416.9	3301.2	3143.4	2981.4	2894.7	2816.9
22.5°	5627.7	6626.6	7239.5	7446.1	7239.5	6626.6	5627.7	4272.7	3393.1	3139.8	2946.8
20°	12871.2	16121.2	18126.6	18804.9	18126.6	16121.2	12871.2	8496.8	5953.2	3803.7	3238.9
17.5°	25529.5	30968.0	34351.5	35501.1	34351.5	30968.0	25529.5	18451.8	12482.7	6824.5	4214.6
15°	45435.3	57576.5	65221.0	67836.1	65221.0	57576.5	45435.3	32403.2	22589.7	13849.8	6824.5
12.5°	75778.3	96300.9	111097.6	116712.1	111097.6	96300.9	75778.3	55446.4	34786.7	22589.7	12482.7
10°	117240.7	151605.8	177315.3	186498.7	177315.3	151605.8	117240.7	83495.6	55446.4	32403.2	18451.8
7.5°	168672.7	214860.7	247314.9	258364.7	247314.9	214860.7	168672.7	117240.7	75778.3	45435.3	25529.5
5°	214860.7	270236.0	307274.3	320975.8	307274.3	270236.0	214860.7	151605.8	96300.9	57576.5	30968.0
2.5°	247314.9	307274.3	351223.2	372062.2	351223.2	307274.3	247314.9	177315.3	111097.6	65221.0	34351.5
0°	258364.7	320975.8	372062.2	402831.2	372062.2	320975.8	258364.7	186498.7	116712.1	67836.1	35501.1
-2.5°	247314.9	307274.3	351223.2	372062.2	351223.2	307274.3	247314.9	177315.3	111097.6	65221.0	34351.5
-5°	214860.7	270236.0	307274.3	320975.8	307274.3	270236.0	214860.7	151605.8	96300.9	57576.5	30968.0
-7.5°	168672.7	214860.7	247314.9	258364.7	247314.9	214860.7	168672.7	117240.7	75778.3	45435.3	25529.5
-10°	117240.7	151605.8	177315.3	186498.7	177315.3	151605.8	117240.7	83495.6	55446.4	32403.2	18451.8
-12.5°	75778.3	96300.9	111097.6	116712.1	111097.6	96300.9	75778.3	55446.4	34786.7	22589.7	12482.7
-15°	45435.3	57576.5	65221.0	67836.1	65221.0	57576.5	45435.3	32403.2	22589.7	13849.8	6824.5
-17.5°	25529.5	30968.0	34351.5	35501.1	34351.5	30968.0	25529.5	18451.8	12482.7	6824.5	4214.6
-20°	12871.2	16121.2	18126.6	18804.9	18126.6	16121.2	12871.2	8496.8	5953.2	3803.7	3238.9



REPORT NUMBER: P1305341 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-70-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5627.7	6626.6	7239.5	7446.1	7239.5	6626.6	5627.7	4272.7	3393.1	3139.8	2946.8
-25°	3301.2	3416.9	3487.5	3511.3	3487.5	3416.9	3301.2	3143.4	2981.4	2894.7	2816.9
-27.5°	2931.2	2970.2	2994.0	3002.0	2994.0	2970.2	2931.2	2877.6	2811.1	2843.6	2880.5
-30°	2837.2	2822.7	2813.9	2811.0	2813.9	2822.7	2837.2	2857.1	2882.1	2978.2	3111.9
-32.5°	2982.6	2930.9	2899.6	2889.1	2899.6	2930.9	2982.6	3053.8	3143.6	3224.4	3288.4
-35°	3240.1	3215.7	3200.9	3195.9	3200.9	3215.7	3240.1	3273.9	3316.6	3352.4	3339.9
-37.5°	3346.5	3351.3	3354.1	3355.1	3354.1	3351.3	3346.5	3340.0	3331.6	3321.6	3285.4
-40°	3296.2	3310.1	3318.5	3321.3	3318.5	3310.1	3296.2	3277.0	3252.5	3223.1	3172.8
-42.5°	3175.1	3196.3	3209.0	3213.3	3209.0	3196.3	3175.1	3145.7	3108.3	3063.3	2924.0
-45°	2866.0	2959.0	3015.1	3033.8	3015.1	2959.0	2866.0	2736.8	2572.2	2373.5	2136.1
-47.5°	1992.6	2093.3	2154.0	2174.3	2154.0	2093.3	1992.6	1852.6	1674.0	1458.1	1206.1
-50°	1134.5	1148.4	1156.7	1159.5	1156.7	1148.4	1134.5	1115.2	1090.6	1060.8	1026.0
-52.5°	999.3	1003.6	1006.2	1007.1	1006.2	1003.6	999.3	993.2	985.5	976.2	965.2
-55°	949.7	952.6	954.4	955.0	954.4	952.6	949.7	945.6	940.4	934.1	926.6
-57.5°	901.6	909.8	914.8	916.4	914.8	909.8	901.6	890.2	875.5	857.8	837.0
-60°	782.4	791.0	796.1	797.8	796.1	791.0	782.4	770.5	755.3	736.8	715.1
-62.5°	646.8	655.1	660.1	661.8	660.1	655.1	646.8	635.3	620.4	602.4	581.3
-65°	502.1	509.3	513.7	515.1	513.7	509.3	502.1	492.1	479.3	463.7	445.3
-67.5°	363.7	369.0	372.2	373.3	372.2	369.0	363.7	356.3	346.9	335.3	321.8
-70°	248.0	252.2	254.8	255.6	254.8	252.2	248.0	242.1	234.5	225.3	214.4
-72.5°	143.7	146.4	148.1	148.6	148.1	146.4	143.7	139.9	135.1	129.2	122.2
-75°	67.5	68.6	69.3	69.5	69.3	68.6	67.5	65.9	63.9	61.4	58.5
-77.5°	30.4	30.7	30.8	30.9	30.8	30.7	30.4	30.0	29.5	28.9	28.2
-80°	19.1	19.2	19.3	19.3	19.3	19.2	19.1	18.9	18.6	18.4	18.0
-82.5°	12.4	12.4	12.5	12.5	12.5	12.4	12.4	12.2	12.1	11.9	11.7
-85°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.5
-87.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305341 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8
85°	6.4	6.4	6.3	6.1	6.0	5.9	5.7	5.6	5.4	5.3	5.1
82.5°	11.5	11.2	10.9	10.6	10.2	9.8	9.4	9.0	8.5	8.0	7.5
80°	17.6	17.2	16.7	16.2	15.6	15.0	14.3	13.6	12.9	12.2	11.5
77.5°	27.4	26.4	25.4	24.3	23.0	21.7	20.3	19.0	18.1	17.1	16.0
75°	55.2	51.5	47.4	42.8	37.9	32.6	29.7	27.9	26.0	23.9	21.8
72.5°	114.2	105.2	95.3	84.4	72.5	64.7	58.1	51.0	43.5	35.7	29.9
70°	202.0	188.0	172.5	155.5	140.0	125.4	109.7	93.0	75.5	63.4	54.0
67.5°	306.3	288.8	269.4	248.9	228.0	205.5	181.5	156.1	134.3	113.4	91.6
65°	424.3	400.7	374.5	350.5	324.8	297.1	267.6	238.0	208.1	176.6	145.0
62.5°	557.1	529.9	500.3	468.5	434.1	397.1	360.3	325.7	289.3	251.5	215.2
60°	690.3	662.5	629.3	593.0	553.8	511.8	468.5	422.7	374.5	332.4	288.8
57.5°	813.2	784.9	751.1	714.2	674.3	629.3	580.4	528.7	475.7	420.8	365.3
55°	918.2	892.7	860.5	825.4	786.1	739.6	690.3	636.5	577.6	516.1	454.3
52.5°	953.4	943.0	931.6	919.2	884.0	840.1	793.0	736.8	677.9	613.0	544.2
50°	1000.0	984.8	968.2	951.3	936.9	921.5	881.9	829.2	770.5	704.7	634.5
47.5°	1123.5	1075.4	1022.7	992.9	971.8	950.9	933.4	912.2	853.2	791.0	718.2
45°	1825.7	1480.0	1150.7	1089.1	1023.0	988.6	963.3	941.5	921.0	865.2	797.8
42.5°	2639.6	2323.5	1942.2	1501.2	1140.0	1064.9	999.9	971.6	945.5	923.0	865.2
40°	3108.6	3037.4	2679.4	2278.7	1793.0	1259.5	1090.4	1005.6	974.4	945.5	921.0
37.5°	3243.7	3187.1	3103.7	2939.5	2483.1	1970.6	1375.6	1098.9	1005.6	971.6	941.5
35°	3325.8	3286.0	3232.2	3148.8	3047.2	2586.4	2030.2	1375.6	1090.4	999.9	963.3
32.5°	3354.1	3337.3	3314.9	3253.3	3171.6	3058.3	2586.4	1970.6	1259.5	1064.9	988.6
30°	3229.7	3314.3	3344.4	3323.9	3260.4	3171.6	3047.2	2483.1	1793.0	1140.0	1023.0
27.5°	3016.5	3191.7	3291.1	3346.8	3323.9	3253.3	3148.8	2939.5	2278.7	1501.2	1089.1
25°	2861.2	2967.9	3168.3	3291.1	3344.4	3314.9	3232.2	3103.7	2679.4	1942.2	1150.7
22.5°	2829.8	2854.7	2967.9	3191.7	3314.3	3337.3	3286.0	3187.1	3037.4	2323.5	1480.0
20°	2964.5	2829.8	2861.2	3016.5	3229.7	3354.1	3325.8	3243.7	3108.6	2639.6	1825.7
17.5°	3238.9	2946.8	2816.9	2880.5	3111.9	3288.4	3339.9	3285.4	3172.8	2924.0	2136.1
15°	3803.7	3139.8	2894.7	2843.6	2978.2	3224.4	3352.4	3321.6	3223.1	3063.3	2373.5
12.5°	5953.2	3393.1	2981.4	2811.1	2882.1	3143.6	3316.6	3331.6	3252.5	3108.3	2572.2
10°	8496.8	4272.7	3143.4	2877.6	2857.1	3053.8	3273.9	3340.0	3277.0	3145.7	2736.8
7.5°	12871.2	5627.7	3301.2	2931.2	2837.2	2982.6	3240.1	3346.5	3296.2	3175.1	2866.0
5°	16121.2	6626.6	3416.9	2970.2	2822.7	2930.9	3215.7	3351.3	3310.1	3196.3	2959.0
2.5°	18126.6	7239.5	3487.5	2994.0	2813.9	2899.6	3200.9	3354.1	3318.5	3209.0	3015.1
0°	<b>18804.9</b>	<b>7446.1</b>	<b>3511.3</b>	<b>3002.0</b>	<b>2811.0</b>	<b>2889.1</b>	<b>3195.9</b>	<b>3355.1</b>	<b>3321.3</b>	<b>3213.3</b>	<b>3033.8</b>
-2.5°	18126.6	7239.5	3487.5	2994.0	2813.9	2899.6	3200.9	3354.1	3318.5	3209.0	3015.1
-5°	16121.2	6626.6	3416.9	2970.2	2822.7	2930.9	3215.7	3351.3	3310.1	3196.3	2959.0
-7.5°	12871.2	5627.7	3301.2	2931.2	2837.2	2982.6	3240.1	3346.5	3296.2	3175.1	2866.0
-10°	8496.8	4272.7	3143.4	2877.6	2857.1	3053.8	3273.9	3340.0	3277.0	3145.7	2736.8
-12.5°	5953.2	3393.1	2981.4	2811.1	2882.1	3143.6	3316.6	3331.6	3252.5	3108.3	2572.2
-15°	3803.7	3139.8	2894.7	2843.6	2978.2	3224.4	3352.4	3321.6	3223.1	3063.3	2373.5
-17.5°	3238.9	2946.8	2816.9	2880.5	3111.9	3288.4	3339.9	3285.4	3172.8	2924.0	2136.1
-20°	2964.5	2829.8	2861.2	3016.5	3229.7	3354.1	3325.8	3243.7	3108.6	2639.6	1825.7



REPORT NUMBER: P1305341 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-70-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2829.8	2854.7	2967.9	3191.7	3314.3	3337.3	3286.0	3187.1	3037.4	2323.5	1480.0
-25°	2861.2	2967.9	3168.3	3291.1	3344.4	3314.9	3232.2	3103.7	2679.4	1942.2	1150.7
-27.5°	3016.5	3191.7	3291.1	3346.8	3323.9	3253.3	3148.8	2939.5	2278.7	1501.2	1089.1
-30°	3229.7	3314.3	3344.4	3323.9	3260.4	3171.6	3047.2	2483.1	1793.0	1140.0	1023.0
-32.5°	3354.1	3337.3	3314.9	3253.3	3171.6	3058.3	2586.4	1970.6	1259.5	1064.9	988.6
-35°	3325.8	3286.0	3232.2	3148.8	3047.2	2586.4	2030.2	1375.6	1090.4	999.9	963.3
-37.5°	3243.7	3187.1	3103.7	2939.5	2483.1	1970.6	1375.6	1098.9	1005.6	971.6	941.5
-40°	3108.6	3037.4	2679.4	2278.7	1793.0	1259.5	1090.4	1005.6	974.4	945.5	921.0
-42.5°	2639.6	2323.5	1942.2	1501.2	1140.0	1064.9	999.9	971.6	945.5	923.0	865.2
-45°	1825.7	1480.0	1150.7	1089.1	1023.0	988.6	963.3	941.5	921.0	865.2	797.8
-47.5°	1123.5	1075.4	1022.7	992.9	971.8	950.9	933.4	912.2	853.2	791.0	718.2
-50°	1000.0	984.8	968.2	951.3	936.9	921.5	881.9	829.2	770.5	704.7	634.5
-52.5°	953.4	943.0	931.6	919.2	884.0	840.1	793.0	736.8	677.9	613.0	544.2
-55°	918.2	892.7	860.5	825.4	786.1	739.6	690.3	636.5	577.6	516.1	454.3
-57.5°	813.2	784.9	751.1	714.2	674.3	629.3	580.4	528.7	475.7	420.8	365.3
-60°	690.3	662.5	629.3	593.0	553.8	511.8	468.5	422.7	374.5	332.4	288.8
-62.5°	557.1	529.9	500.3	468.5	434.1	397.1	360.3	325.7	289.3	251.5	215.2
-65°	424.3	400.7	374.5	350.5	324.8	297.1	267.6	238.0	208.1	176.6	145.0
-67.5°	306.3	288.8	269.4	248.9	228.0	205.5	181.5	156.1	134.3	113.4	91.6
-70°	202.0	188.0	172.5	155.5	140.0	125.4	109.7	93.0	75.5	63.4	54.0
-72.5°	114.2	105.2	95.3	84.4	72.5	64.7	58.1	51.0	43.5	35.7	29.9
-75°	55.2	51.5	47.4	42.8	37.9	32.6	29.7	27.9	26.0	23.9	21.8
-77.5°	27.4	26.4	25.4	24.3	23.0	21.7	20.3	19.0	18.1	17.1	16.0
-80°	17.6	17.2	16.7	16.2	15.6	15.0	14.3	13.6	12.9	12.2	11.5
-82.5°	11.5	11.2	10.9	10.6	10.2	9.8	9.4	9.0	8.5	8.0	7.5
-85°	6.4	6.4	6.3	6.1	6.0	5.9	5.7	5.6	5.4	5.3	5.1
-87.5°	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305341 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-70-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2
85°	4.9	4.7	4.5	4.3	4.1	3.9	3.6	3.3	3.0	2.7	2.3
82.5°	6.9	6.6	6.3	6.0	5.7	5.3	5.0	4.7	4.3	4.0	3.5
80°	10.8	10.0	9.2	8.4	7.6	6.8	6.3	5.9	5.4	4.9	4.5
77.5°	15.0	13.9	12.7	11.7	10.6	9.6	8.5	7.4	6.5	5.9	5.3
75°	19.6	18.1	16.8	15.3	13.8	12.4	11.0	9.7	8.4	7.0	6.2
72.5°	27.3	24.6	21.8	19.1	17.4	15.6	13.8	12.0	10.5	8.9	7.2
70°	44.2	34.0	28.7	25.4	22.0	18.9	16.8	14.7	12.6	10.7	8.9
67.5°	69.2	57.8	45.9	33.7	28.0	24.1	20.1	17.4	15.0	12.6	10.5
65°	119.8	93.6	68.1	54.5	40.5	29.5	25.1	20.6	17.4	14.7	12.0
62.5°	177.6	141.2	111.4	80.8	59.7	44.0	30.0	25.1	20.1	16.8	13.8
60°	244.6	202.0	158.1	122.2	88.0	61.4	44.0	29.5	24.1	18.9	15.6
57.5°	316.1	265.2	216.7	167.8	125.8	88.0	59.7	40.5	28.0	22.0	17.4
55°	390.3	332.6	276.2	221.7	167.8	122.2	80.8	54.5	33.7	25.4	19.1
52.5°	474.5	403.7	338.1	276.2	216.7	158.1	111.4	68.1	45.9	28.7	21.8
50°	558.4	481.3	403.7	332.6	265.2	202.0	141.2	93.6	57.8	34.0	24.6
47.5°	641.6	558.4	474.5	390.3	316.1	244.6	177.6	119.8	69.2	44.2	27.3
45°	718.2	634.5	544.2	454.3	365.3	288.8	215.2	145.0	91.6	54.0	29.9
42.5°	791.0	704.7	613.0	516.1	420.8	332.4	251.5	176.6	113.4	63.4	35.7
40°	853.2	770.5	677.9	577.6	475.7	374.5	289.3	208.1	134.3	75.5	43.5
37.5°	912.2	829.2	736.8	636.5	528.7	422.7	325.7	238.0	156.1	93.0	51.0
35°	933.4	881.9	793.0	690.3	580.4	468.5	360.3	267.6	181.5	109.7	58.1
32.5°	950.9	921.5	840.1	739.6	629.3	511.8	397.1	297.1	205.5	125.4	64.7
30°	971.8	936.9	884.0	786.1	674.3	553.8	434.1	324.8	228.0	140.0	72.5
27.5°	992.9	951.3	919.2	825.4	714.2	593.0	468.5	350.5	248.9	155.5	84.4
25°	1022.7	968.2	931.6	860.5	751.1	629.3	500.3	374.5	269.4	172.5	95.3
22.5°	1075.4	984.8	943.0	892.7	784.9	662.5	529.9	400.7	288.8	188.0	105.2
20°	1123.5	1000.0	953.4	918.2	813.2	690.3	557.1	424.3	306.3	202.0	114.2
17.5°	1206.1	1026.0	965.2	926.6	837.0	715.1	581.3	445.3	321.8	214.4	122.2
15°	1458.1	1060.8	976.2	934.1	857.8	736.8	602.4	463.7	335.3	225.3	129.2
12.5°	1674.0	1090.6	985.5	940.4	875.5	755.3	620.4	479.3	346.9	234.5	135.1
10°	1852.6	1115.2	993.2	945.6	890.2	770.5	635.3	492.1	356.3	242.1	139.9
7.5°	1992.6	1134.5	999.3	949.7	901.6	782.4	646.8	502.1	363.7	248.0	143.7
5°	2093.3	1148.4	1003.6	952.6	909.8	791.0	655.1	509.3	369.0	252.2	146.4
2.5°	2154.0	1156.7	1006.2	954.4	914.8	796.1	660.1	513.7	372.2	254.8	148.1
0°	2174.3	1159.5	1007.1	955.0	916.4	797.8	661.8	515.1	373.3	255.6	148.6
-2.5°	2154.0	1156.7	1006.2	954.4	914.8	796.1	660.1	513.7	372.2	254.8	148.1
-5°	2093.3	1148.4	1003.6	952.6	909.8	791.0	655.1	509.3	369.0	252.2	146.4
-7.5°	1992.6	1134.5	999.3	949.7	901.6	782.4	646.8	502.1	363.7	248.0	143.7
-10°	1852.6	1115.2	993.2	945.6	890.2	770.5	635.3	492.1	356.3	242.1	139.9
-12.5°	1674.0	1090.6	985.5	940.4	875.5	755.3	620.4	479.3	346.9	234.5	135.1
-15°	1458.1	1060.8	976.2	934.1	857.8	736.8	602.4	463.7	335.3	225.3	129.2
-17.5°	1206.1	1026.0	965.2	926.6	837.0	715.1	581.3	445.3	321.8	214.4	122.2
-20°	1123.5	1000.0	953.4	918.2	813.2	690.3	557.1	424.3	306.3	202.0	114.2



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1075.4	984.8	943.0	892.7	784.9	662.5	529.9	400.7	288.8	188.0	105.2
-25°	1022.7	968.2	931.6	860.5	751.1	629.3	500.3	374.5	269.4	172.5	95.3
-27.5°	992.9	951.3	919.2	825.4	714.2	593.0	468.5	350.5	248.9	155.5	84.4
-30°	971.8	936.9	884.0	786.1	674.3	553.8	434.1	324.8	228.0	140.0	72.5
-32.5°	950.9	921.5	840.1	739.6	629.3	511.8	397.1	297.1	205.5	125.4	64.7
-35°	933.4	881.9	793.0	690.3	580.4	468.5	360.3	267.6	181.5	109.7	58.1
-37.5°	912.2	829.2	736.8	636.5	528.7	422.7	325.7	238.0	156.1	93.0	51.0
-40°	853.2	770.5	677.9	577.6	475.7	374.5	289.3	208.1	134.3	75.5	43.5
-42.5°	791.0	704.7	613.0	516.1	420.8	332.4	251.5	176.6	113.4	63.4	35.7
-45°	718.2	634.5	544.2	454.3	365.3	288.8	215.2	145.0	91.6	54.0	29.9
-47.5°	641.6	558.4	474.5	390.3	316.1	244.6	177.6	119.8	69.2	44.2	27.3
-50°	558.4	481.3	403.7	332.6	265.2	202.0	141.2	93.6	57.8	34.0	24.6
-52.5°	474.5	403.7	338.1	276.2	216.7	158.1	111.4	68.1	45.9	28.7	21.8
-55°	390.3	332.6	276.2	221.7	167.8	122.2	80.8	54.5	33.7	25.4	19.1
-57.5°	316.1	265.2	216.7	167.8	125.8	88.0	59.7	40.5	28.0	22.0	17.4
-60°	244.6	202.0	158.1	122.2	88.0	61.4	44.0	29.5	24.1	18.9	15.6
-62.5°	177.6	141.2	111.4	80.8	59.7	44.0	30.0	25.1	20.1	16.8	13.8
-65°	119.8	93.6	68.1	54.5	40.5	29.5	25.1	20.6	17.4	14.7	12.0
-67.5°	69.2	57.8	45.9	33.7	28.0	24.1	20.1	17.4	15.0	12.6	10.5
-70°	44.2	34.0	28.7	25.4	22.0	18.9	16.8	14.7	12.6	10.7	8.9
-72.5°	27.3	24.6	21.8	19.1	17.4	15.6	13.8	12.0	10.5	8.9	7.2
-75°	19.6	18.1	16.8	15.3	13.8	12.4	11.0	9.7	8.4	7.0	6.2
-77.5°	15.0	13.9	12.7	11.7	10.6	9.6	8.5	7.4	6.5	5.9	5.3
-80°	10.8	10.0	9.2	8.4	7.6	6.8	6.3	5.9	5.4	4.9	4.5
-82.5°	6.9	6.6	6.3	6.0	5.7	5.3	5.0	4.7	4.3	4.0	3.5
-85°	4.9	4.7	4.5	4.3	4.1	3.9	3.6	3.3	3.0	2.7	2.3
-87.5°	2.6	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
85°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
82.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
80°	4.0	3.4	2.7	2.0	1.4	0.7	0.0
77.5°	4.7	4.1	3.4	2.5	1.7	0.8	0.0
75°	5.5	4.7	4.0	3.0	2.0	1.0	0.0
72.5°	6.2	5.3	4.5	3.5	2.3	1.2	0.0
70°	7.0	5.9	4.9	4.0	2.7	1.3	0.0
67.5°	8.4	6.5	5.4	4.3	3.0	1.5	0.0
65°	9.7	7.4	5.9	4.7	3.3	1.6	0.0
62.5°	11.0	8.5	6.3	5.0	3.6	1.8	0.0
60°	12.4	9.6	6.8	5.3	3.9	1.9	0.0
57.5°	13.8	10.6	7.6	5.7	4.1	2.1	0.0
55°	15.3	11.7	8.4	6.0	4.3	2.2	0.0
52.5°	16.8	12.7	9.2	6.3	4.5	2.4	0.0
50°	18.1	13.9	10.0	6.6	4.7	2.5	0.0
47.5°	19.6	15.0	10.8	6.9	4.9	2.6	0.0
45°	21.8	16.0	11.5	7.5	5.1	2.8	0.0
42.5°	23.9	17.1	12.2	8.0	5.3	2.9	0.0
40°	26.0	18.1	12.9	8.5	5.4	3.0	0.0
37.5°	27.9	19.0	13.6	9.0	5.6	3.1	0.0
35°	29.7	20.3	14.3	9.4	5.7	3.2	0.0
32.5°	32.6	21.7	15.0	9.8	5.9	3.3	0.0
30°	37.9	23.0	15.6	10.2	6.0	3.4	0.0
27.5°	42.8	24.3	16.2	10.6	6.1	3.5	0.0
25°	47.4	25.4	16.7	10.9	6.3	3.5	0.0
22.5°	51.5	26.4	17.2	11.2	6.4	3.6	0.0
20°	55.2	27.4	17.6	11.5	6.4	3.7	0.0
17.5°	58.5	28.2	18.0	11.7	6.5	3.7	0.0
15°	61.4	28.9	18.4	11.9	6.6	3.8	0.0
12.5°	63.9	29.5	18.6	12.1	6.7	3.8	0.0
10°	65.9	30.0	18.9	12.2	6.7	3.8	0.0
7.5°	67.5	30.4	19.1	12.4	6.8	3.9	0.0
5°	68.6	30.7	19.2	12.4	6.8	3.9	0.0
2.5°	69.3	30.8	19.3	12.5	6.8	3.9	0.0
0°	69.5	30.9	19.3	12.5	6.8	3.9	0.0
-2.5°	69.3	30.8	19.3	12.5	6.8	3.9	0.0
-5°	68.6	30.7	19.2	12.4	6.8	3.9	0.0
-7.5°	67.5	30.4	19.1	12.4	6.8	3.9	0.0
-10°	65.9	30.0	18.9	12.2	6.7	3.8	0.0
-12.5°	63.9	29.5	18.6	12.1	6.7	3.8	0.0
-15°	61.4	28.9	18.4	11.9	6.6	3.8	0.0
-17.5°	58.5	28.2	18.0	11.7	6.5	3.7	0.0
-20°	55.2	27.4	17.6	11.5	6.4	3.7	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	51.5	26.4	17.2	11.2	6.4	3.6	0.0
-25°	47.4	25.4	16.7	10.9	6.3	3.5	0.0
-27.5°	42.8	24.3	16.2	10.6	6.1	3.5	0.0
-30°	37.9	23.0	15.6	10.2	6.0	3.4	0.0
-32.5°	32.6	21.7	15.0	9.8	5.9	3.3	0.0
-35°	29.7	20.3	14.3	9.4	5.7	3.2	0.0
-37.5°	27.9	19.0	13.6	9.0	5.6	3.1	0.0
-40°	26.0	18.1	12.9	8.5	5.4	3.0	0.0
-42.5°	23.9	17.1	12.2	8.0	5.3	2.9	0.0
-45°	21.8	16.0	11.5	7.5	5.1	2.8	0.0
-47.5°	19.6	15.0	10.8	6.9	4.9	2.6	0.0
-50°	18.1	13.9	10.0	6.6	4.7	2.5	0.0
-52.5°	16.8	12.7	9.2	6.3	4.5	2.4	0.0
-55°	15.3	11.7	8.4	6.0	4.3	2.2	0.0
-57.5°	13.8	10.6	7.6	5.7	4.1	2.1	0.0
-60°	12.4	9.6	6.8	5.3	3.9	1.9	0.0
-62.5°	11.0	8.5	6.3	5.0	3.6	1.8	0.0
-65°	9.7	7.4	5.9	4.7	3.3	1.6	0.0
-67.5°	8.4	6.5	5.4	4.3	3.0	1.5	0.0
-70°	7.0	5.9	4.9	4.0	2.7	1.3	0.0
-72.5°	6.2	5.3	4.5	3.5	2.3	1.2	0.0
-75°	5.5	4.7	4.0	3.0	2.0	1.0	0.0
-77.5°	4.7	4.1	3.4	2.5	1.7	0.8	0.0
-80°	4.0	3.4	2.7	2.0	1.4	0.7	0.0
-82.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
-85°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
-87.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)