

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: P1305348 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320L-40-80-2S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

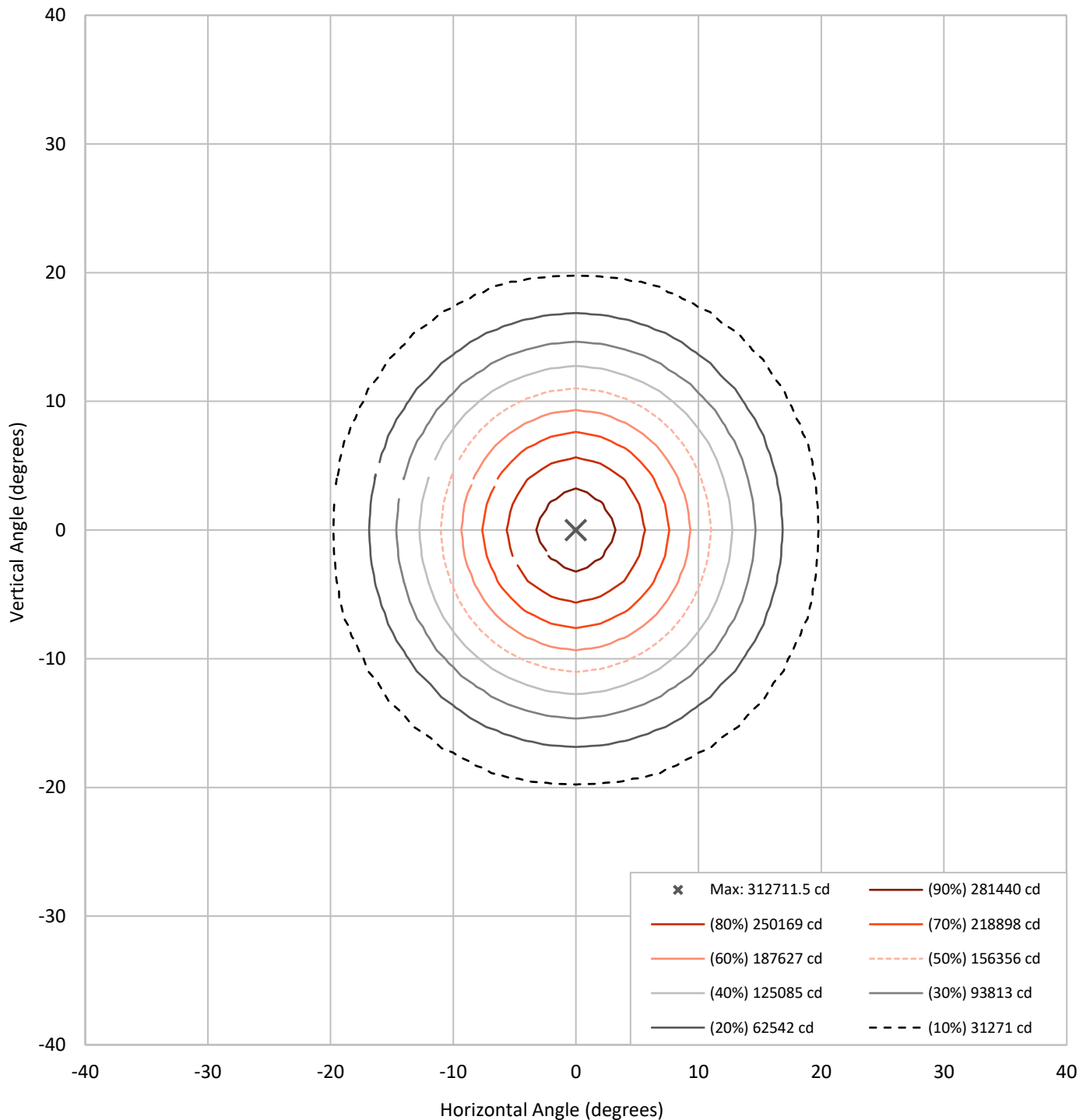
Test Method: LM-79-08  
Report Number: P1305348 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320L-40-80-2S-HEG-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 2S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	56329.2 lumens	Max Intensity:	312711.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	165.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22°H x 22°V	Field Angle (10%):	39.6°H x 39.6°V
Beam Lumens:	24895.6 lumens	Field Lumens:	46237.1 lumens
Beam Efficiency:	44.2%	Field Efficiency:	82.1%
Input Watts (W):	340		
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





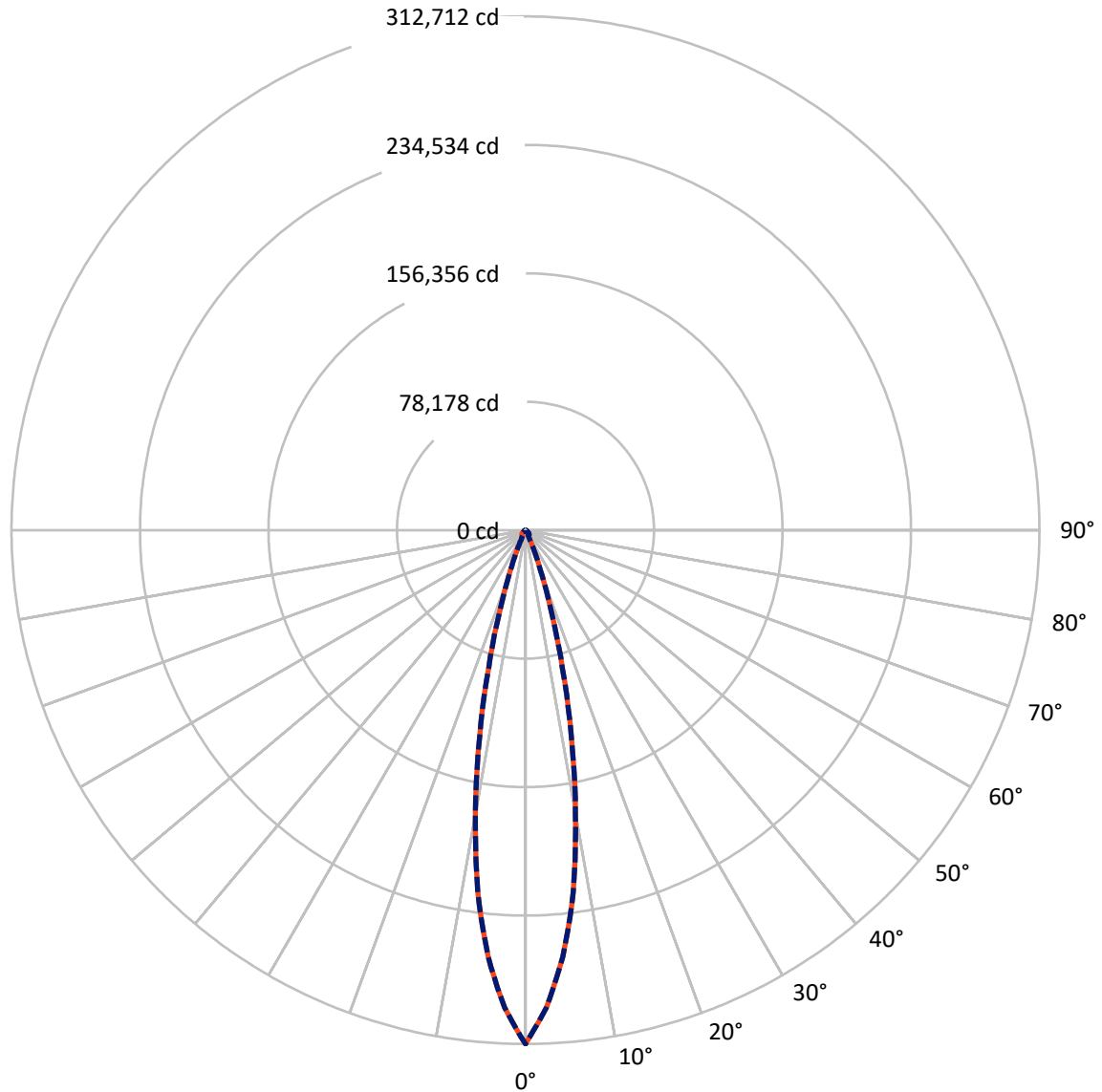
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### Lumen Table

90	0.1	0.6		2.0		5.0		6.5		5.0		2.0		0.6		0.1			
80	0.1	0.6		2.0		5.0		6.5		5.0		2.0		0.6		0.1			
70	0.3	0.3	1.2	3.5	7.1	10.8	14.0	15.7	15.7	14.0	10.8	7.1	3.5	1.2	0.3	0.3			
60		0.9	4.2	10.0	17.3	24.1	28.7	31.1	31.1	28.7	24.1	17.3	10.0	4.2	0.9				
50	0.6	2.2	8.2	17.4	26.5	42.9	65.7	78.7	78.7	65.7	42.9	26.5	17.4	8.2	2.2	0.6			
40		3.8	12.2	22.9	50.6	86.9	101.8	107.1	107.1	101.8	86.9	50.6	22.9	12.2	3.8				
30	1.4	5.2	15.4	33.9	78.7	97.9	133.8	273.1	273.1	133.8	97.9	78.7	33.9	15.4	5.2	1.4			
20		6.3	17.2	48.8	86.4	125.9	796.7	2360.7	2360.7	796.7	125.9	86.4	48.8	17.2	6.3				
10	1.8	6.9	18.0	56.5	88.1	251.7	2300.8	6470.5	6470.5	2300.8	251.7	88.1	56.5	18.0	6.9	1.8			
0		6.9	18.0	56.5	88.1	251.7	2300.8	6470.5	6470.5	2300.8	251.7	88.1	56.5	18.0	6.9				
-10	1.4	6.3	17.2	48.8	86.4	125.9	796.7	2360.7	2360.7	796.7	125.9	86.4	48.8	17.2	6.3	1.4			
-20		5.2	15.4	33.9	78.7	97.9	133.8	273.1	273.1	133.8	97.9	78.7	33.9	15.4	5.2				
-30	0.6	3.8	12.2	22.9	50.6	86.9	101.8	107.1	107.1	101.8	86.9	50.6	22.9	12.2	3.8	0.6			
-40		2.2	8.2	17.4	26.5	42.9	65.7	78.7	78.7	65.7	42.9	26.5	17.4	8.2	2.2				
-50	0.3	0.9	4.2	10.0	17.3	24.1	28.7	31.1	31.1	28.7	24.1	17.3	10.0	4.2	0.9	0.3			
-60		0.3	1.2	3.5	7.1	10.8	14.0	15.7	15.7	14.0	10.8	7.1	3.5	1.2	0.3				
-70	0.1	0.6		2.0		5.0		6.5		5.0		2.0		0.6		0.1			
-80		0.6		2.0		5.0		6.5		5.0		2.0		0.6					
-90	0.1	0.6		2.0		5.0		6.5		5.0		2.0		0.6		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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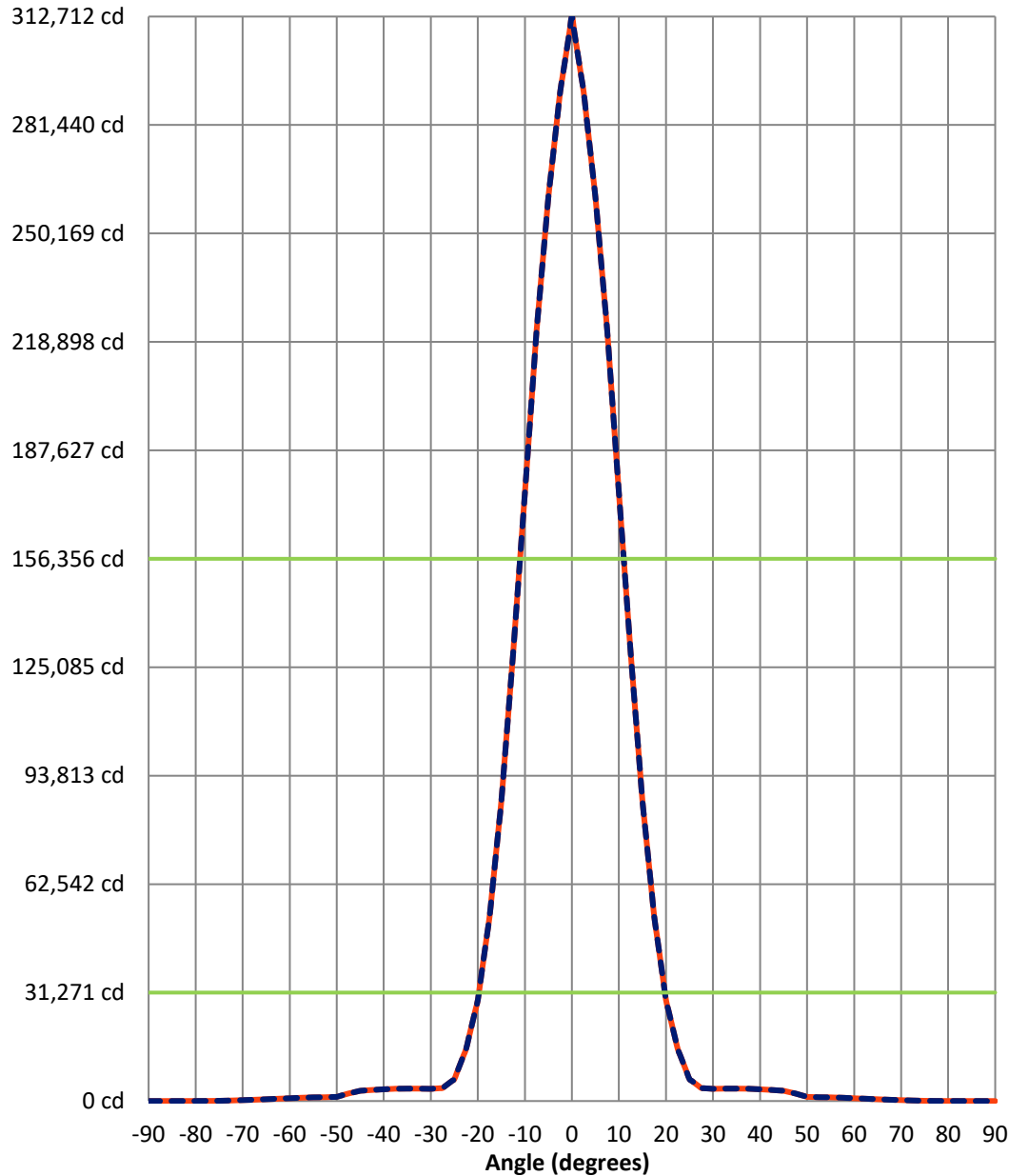
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 22°  
 V Angle: 22°  
 Lumens: 24895.6  
 Efficiency: 44.2%

**Field:**  
 H Angle: 39.6°  
 V Angle: 39.6°  
 Lumens: 46237.1  
 Efficiency: 82.1%

**Spill:**  
 Lumens: 10092  
 Efficiency: 17.9%

- 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	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.5
85°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.4	4.9
82.5°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.2	5.9	6.2	6.6
80°	0.0	1.0	2.0	3.0	4.0	5.0	5.9	6.4	6.9	7.4	7.9
77.5°	0.0	1.3	2.5	3.8	5.0	6.0	6.7	7.3	7.9	8.5	9.2
75°	0.0	1.5	3.0	4.5	5.9	6.7	7.4	8.2	8.9	9.8	10.7
72.5°	0.0	1.7	3.5	5.2	6.4	7.3	8.2	9.1	10.2	11.2	12.3
70°	0.0	2.0	4.0	5.9	6.9	7.9	8.9	10.2	11.4	12.7	14.8
67.5°	0.0	2.2	4.4	6.2	7.4	8.5	9.8	11.2	12.7	15.1	17.6
65°	0.0	2.5	4.9	6.6	7.9	9.2	10.7	12.3	14.8	17.6	20.8
62.5°	0.0	2.7	5.4	6.9	8.3	9.9	11.6	13.9	17.0	20.3	25.3
60°	0.0	2.9	5.8	7.3	8.8	10.6	12.5	15.8	19.1	24.3	29.7
57.5°	0.0	3.1	6.0	7.6	9.3	11.4	14.0	17.6	22.2	28.2	41.1
55°	0.0	3.3	6.2	8.0	9.9	12.0	15.5	19.3	25.6	34.0	55.5
52.5°	0.0	3.5	6.4	8.3	10.4	12.8	16.9	22.0	28.9	46.6	69.5
50°	0.0	3.7	6.7	8.6	10.9	14.0	18.3	24.8	34.3	58.9	97.4
47.5°	0.0	3.9	6.9	8.9	11.4	15.1	19.8	27.5	44.8	70.7	126.1
45°	0.0	4.1	7.0	9.2	11.9	16.2	22.0	30.1	55.0	95.2	153.7
42.5°	0.0	4.3	7.2	9.6	12.4	17.2	24.1	36.0	64.7	119.1	185.9
40°	0.0	4.4	7.4	9.9	13.0	18.2	26.2	44.2	77.5	141.9	217.6
37.5°	0.0	4.6	7.6	10.2	13.8	19.2	28.1	51.9	96.8	165.1	247.9
35°	0.0	4.8	7.7	10.5	14.5	20.5	29.9	59.2	115.0	190.8	277.2
32.5°	0.0	4.9	7.9	10.8	15.1	21.9	32.8	66.1	132.2	215.0	305.7
30°	0.0	5.0	8.0	11.1	15.8	23.2	38.3	74.3	148.2	237.7	332.5
27.5°	0.0	5.1	8.1	11.3	16.4	24.5	43.4	87.3	164.5	258.8	357.4
25°	0.0	5.3	8.2	11.5	16.9	25.6	48.1	99.2	181.7	279.0	380.6
22.5°	0.0	5.4	8.3	11.7	17.4	26.6	52.4	110.1	197.4	297.7	406.6
20°	0.0	5.5	8.4	11.9	17.8	27.6	56.3	120.0	211.5	314.6	430.1
17.5°	0.0	5.5	8.5	12.1	18.2	28.4	59.7	128.7	224.0	329.6	451.0
15°	0.0	5.6	8.6	12.2	18.6	29.1	62.7	136.3	235.0	342.7	469.2
12.5°	0.0	5.7	8.7	12.3	18.8	29.7	65.2	142.8	244.3	353.8	484.8
10°	0.0	5.7	8.7	12.4	19.1	30.2	67.3	148.1	251.9	363.0	497.5
7.5°	0.0	5.8	8.7	12.5	19.3	30.6	68.9	152.2	257.9	370.2	507.5
5°	0.0	5.8	8.8	12.6	19.4	30.9	70.1	155.2	262.2	375.3	514.7
2.5°	0.0	5.8	8.8	12.6	19.5	31.0	70.8	157.0	264.7	378.4	519.0
0°	0.0	5.8	8.8	12.6	19.5	31.1	71.0	157.6	265.6	379.4	520.4
-2.5°	0.0	5.8	8.8	12.6	19.5	31.0	70.8	157.0	264.7	378.4	519.0
-5°	0.0	5.8	8.8	12.6	19.4	30.9	70.1	155.2	262.2	375.3	514.7
-7.5°	0.0	5.8	8.7	12.5	19.3	30.6	68.9	152.2	257.9	370.2	507.5
-10°	0.0	5.7	8.7	12.4	19.1	30.2	67.3	148.1	251.9	363.0	497.5
-12.5°	0.0	5.7	8.7	12.3	18.8	29.7	65.2	142.8	244.3	353.8	484.8
-15°	0.0	5.6	8.6	12.2	18.6	29.1	62.7	136.3	235.0	342.7	469.2
-17.5°	0.0	5.5	8.5	12.1	18.2	28.4	59.7	128.7	224.0	329.6	451.0
-20°	0.0	5.5	8.4	11.9	17.8	27.6	56.3	120.0	211.5	314.6	430.1



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 CATALOG NUMBER: EPH-08-320L-40-80-2S-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	5.4	8.3	11.7	17.4	26.6	52.4	110.1	197.4	297.7	406.6
-25°	0.0	5.3	8.2	11.5	16.9	25.6	48.1	99.2	181.7	279.0	380.6
-27.5°	0.0	5.1	8.1	11.3	16.4	24.5	43.4	87.3	164.5	258.8	357.4
-30°	0.0	5.0	8.0	11.1	15.8	23.2	38.3	74.3	148.2	237.7	332.5
-32.5°	0.0	4.9	7.9	10.8	15.1	21.9	32.8	66.1	132.2	215.0	305.7
-35°	0.0	4.8	7.7	10.5	14.5	20.5	29.9	59.2	115.0	190.8	277.2
-37.5°	0.0	4.6	7.6	10.2	13.8	19.2	28.1	51.9	96.8	165.1	247.9
-40°	0.0	4.4	7.4	9.9	13.0	18.2	26.2	44.2	77.5	141.9	217.6
-42.5°	0.0	4.3	7.2	9.6	12.4	17.2	24.1	36.0	64.7	119.1	185.9
-45°	0.0	4.1	7.0	9.2	11.9	16.2	22.0	30.1	55.0	95.2	153.7
-47.5°	0.0	3.9	6.9	8.9	11.4	15.1	19.8	27.5	44.8	70.7	126.1
-50°	0.0	3.7	6.7	8.6	10.9	14.0	18.3	24.8	34.3	58.9	97.4
-52.5°	0.0	3.5	6.4	8.3	10.4	12.8	16.9	22.0	28.9	46.6	69.5
-55°	0.0	3.3	6.2	8.0	9.9	12.0	15.5	19.3	25.6	34.0	55.5
-57.5°	0.0	3.1	6.0	7.6	9.3	11.4	14.0	17.6	22.2	28.2	41.1
-60°	0.0	2.9	5.8	7.3	8.8	10.6	12.5	15.8	19.1	24.3	29.7
-62.5°	0.0	2.7	5.4	6.9	8.3	9.9	11.6	13.9	17.0	20.3	25.3
-65°	0.0	2.5	4.9	6.6	7.9	9.2	10.7	12.3	14.8	17.6	20.8
-67.5°	0.0	2.2	4.4	6.2	7.4	8.5	9.8	11.2	12.7	15.1	17.6
-70°	0.0	2.0	4.0	5.9	6.9	7.9	8.9	10.2	11.4	12.7	14.8
-72.5°	0.0	1.7	3.5	5.2	6.4	7.3	8.2	9.1	10.2	11.2	12.3
-75°	0.0	1.5	3.0	4.5	5.9	6.7	7.4	8.2	8.9	9.8	10.7
-77.5°	0.0	1.3	2.5	3.8	5.0	6.0	6.7	7.3	7.9	8.5	9.2
-80°	0.0	1.0	2.0	3.0	4.0	5.0	5.9	6.4	6.9	7.4	7.9
-82.5°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.2	5.9	6.2	6.6
-85°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.4	4.9
-87.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.5
-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°	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.4	4.6
85°	5.4	5.8	6.0	6.2	6.4	6.7	6.9	7.0	7.2	7.4	7.6
82.5°	6.9	7.3	7.6	8.0	8.3	8.6	8.9	9.2	9.6	9.9	10.2
80°	8.3	8.8	9.3	9.9	10.4	10.9	11.4	11.9	12.4	13.0	13.8
77.5°	9.9	10.6	11.4	12.0	12.8	14.0	15.1	16.2	17.2	18.2	19.2
75°	11.6	12.5	14.0	15.5	16.9	18.3	19.8	22.0	24.1	26.2	28.1
72.5°	13.9	15.8	17.6	19.3	22.0	24.8	27.5	30.1	36.0	44.2	51.9
70°	17.0	19.1	22.2	25.6	28.9	34.3	44.8	55.0	64.7	77.5	96.8
67.5°	20.3	24.3	28.2	34.0	46.6	58.9	70.7	95.2	119.1	141.9	165.1
65°	25.3	29.7	41.1	55.5	69.5	97.4	126.1	153.7	185.9	217.6	247.9
62.5°	30.2	44.6	60.9	83.4	116.9	149.5	186.8	224.9	261.4	298.1	333.4
60°	44.6	62.7	91.2	128.7	167.1	211.5	254.5	297.7	339.9	380.6	428.5
57.5°	60.9	91.2	132.6	177.0	226.4	274.9	324.1	371.6	426.6	481.2	534.0
55°	83.4	128.7	177.0	231.4	285.5	340.0	396.3	459.9	521.4	583.0	641.9
52.5°	116.9	167.1	226.4	285.5	345.4	409.6	480.1	549.6	618.4	684.1	745.1
50°	149.5	211.5	274.9	340.0	409.6	486.8	563.8	639.9	711.8	780.1	848.5
47.5°	186.8	254.5	324.1	396.3	480.1	563.8	647.1	725.8	801.3	879.2	954.7
45°	224.9	297.7	371.6	459.9	549.6	639.9	725.8	808.4	894.7	972.7	1029.0
42.5°	261.4	339.9	426.6	521.4	618.4	711.8	801.3	894.7	978.2	1040.2	1076.1
40°	298.1	380.6	481.2	583.0	684.1	780.1	879.2	972.7	1040.2	1077.8	1096.4
37.5°	333.4	428.5	534.0	641.9	745.1	848.5	954.7	1029.0	1076.1	1096.4	1167.1
35°	366.9	474.1	585.8	696.9	803.4	915.9	1006.8	1071.1	1093.0	1160.6	1418.6
32.5°	403.1	517.1	634.8	748.0	862.5	974.0	1055.0	1086.2	1141.2	1308.2	1984.4
30°	439.8	559.1	680.3	796.2	918.6	1016.4	1076.3	1109.4	1198.3	1815.6	2459.8
27.5°	474.1	598.4	721.6	843.7	967.8	1056.1	1088.8	1159.6	1538.0	2273.4	2876.1
25°	505.7	634.8	759.9	888.6	1001.9	1074.1	1109.1	1206.4	1957.4	2638.9	3053.1
22.5°	535.2	668.0	795.0	929.7	1033.2	1084.0	1149.2	1517.8	2314.2	2966.8	3161.5
20°	562.4	696.9	828.1	965.0	1061.7	1093.1	1185.7	1846.6	2602.5	3059.4	3250.6
17.5°	586.7	722.6	858.5	988.3	1072.3	1111.6	1257.4	2141.8	2861.9	3142.9	3326.1
15°	607.9	745.1	885.1	1008.7	1078.8	1138.1	1497.1	2359.8	3000.4	3213.3	3392.8
12.5°	625.9	764.3	907.8	1026.1	1084.4	1160.7	1702.4	2541.1	3059.1	3266.6	3439.9
10°	640.7	780.1	926.6	1040.4	1089.0	1179.4	1872.1	2691.2	3107.7	3310.9	3479.2
7.5°	652.3	792.5	941.2	1051.7	1092.6	1194.1	2005.3	2809.0	3145.9	3345.8	3510.2
5°	660.6	801.3	951.7	1059.7	1095.2	1204.6	2101.1	2893.9	3173.4	3370.9	3532.6
2.5°	665.6	806.6	958.0	1064.6	1096.8	1211.0	2158.8	2945.0	3190.0	3386.1	3546.2
0°	667.3	808.4	960.1	1066.2	1097.3	1213.1	2178.1	2962.1	3195.6	3391.2	3550.7
-2.5°	665.6	806.6	958.0	1064.6	1096.8	1211.0	2158.8	2945.0	3190.0	3386.1	3546.2
-5°	660.6	801.3	951.7	1059.7	1095.2	1204.6	2101.1	2893.9	3173.4	3370.9	3532.6
-7.5°	652.3	792.5	941.2	1051.7	1092.6	1194.1	2005.3	2809.0	3145.9	3345.8	3510.2
-10°	640.7	780.1	926.6	1040.4	1089.0	1179.4	1872.1	2691.2	3107.7	3310.9	3479.2
-12.5°	625.9	764.3	907.8	1026.1	1084.4	1160.7	1702.4	2541.1	3059.1	3266.6	3439.9
-15°	607.9	745.1	885.1	1008.7	1078.8	1138.1	1497.1	2359.8	3000.4	3213.3	3392.8
-17.5°	586.7	722.6	858.5	988.3	1072.3	1111.6	1257.4	2141.8	2861.9	3142.9	3326.1
-20°	562.4	696.9	828.1	965.0	1061.7	1093.1	1185.7	1846.6	2602.5	3059.4	3250.6



REPORT NUMBER: P1305348 (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°	535.2	668.0	795.0	929.7	1033.2	1084.0	1149.2	1517.8	2314.2	2966.8	3161.5
-25°	505.7	634.8	759.9	888.6	1001.9	1074.1	1109.1	1206.4	1957.4	2638.9	3053.1
-27.5°	474.1	598.4	721.6	843.7	967.8	1056.1	1088.8	1159.6	1538.0	2273.4	2876.1
-30°	439.8	559.1	680.3	796.2	918.6	1016.4	1076.3	1109.4	1198.3	1815.6	2459.8
-32.5°	403.1	517.1	634.8	748.0	862.5	974.0	1055.0	1086.2	1141.2	1308.2	1984.4
-35°	366.9	474.1	585.8	696.9	803.4	915.9	1006.8	1071.1	1093.0	1160.6	1418.6
-37.5°	333.4	428.5	534.0	641.9	745.1	848.5	954.7	1029.0	1076.1	1096.4	1167.1
-40°	298.1	380.6	481.2	583.0	684.1	780.1	879.2	972.7	1040.2	1077.8	1096.4
-42.5°	261.4	339.9	426.6	521.4	618.4	711.8	801.3	894.7	978.2	1040.2	1076.1
-45°	224.9	297.7	371.6	459.9	549.6	639.9	725.8	808.4	894.7	972.7	1029.0
-47.5°	186.8	254.5	324.1	396.3	480.1	563.8	647.1	725.8	801.3	879.2	954.7
-50°	149.5	211.5	274.9	340.0	409.6	486.8	563.8	639.9	711.8	780.1	848.5
-52.5°	116.9	167.1	226.4	285.5	345.4	409.6	480.1	549.6	618.4	684.1	745.1
-55°	83.4	128.7	177.0	231.4	285.5	340.0	396.3	459.9	521.4	583.0	641.9
-57.5°	60.9	91.2	132.6	177.0	226.4	274.9	324.1	371.6	426.6	481.2	534.0
-60°	44.6	62.7	91.2	128.7	167.1	211.5	254.5	297.7	339.9	380.6	428.5
-62.5°	30.2	44.6	60.9	83.4	116.9	149.5	186.8	224.9	261.4	298.1	333.4
-65°	25.3	29.7	41.1	55.5	69.5	97.4	126.1	153.7	185.9	217.6	247.9
-67.5°	20.3	24.3	28.2	34.0	46.6	58.9	70.7	95.2	119.1	141.9	165.1
-70°	17.0	19.1	22.2	25.6	28.9	34.3	44.8	55.0	64.7	77.5	96.8
-72.5°	13.9	15.8	17.6	19.3	22.0	24.8	27.5	30.1	36.0	44.2	51.9
-75°	11.6	12.5	14.0	15.5	16.9	18.3	19.8	22.0	24.1	26.2	28.1
-77.5°	9.9	10.6	11.4	12.0	12.8	14.0	15.1	16.2	17.2	18.2	19.2
-80°	8.3	8.8	9.3	9.9	10.4	10.9	11.4	11.9	12.4	13.0	13.8
-82.5°	6.9	7.3	7.6	8.0	8.3	8.6	8.9	9.2	9.6	9.9	10.2
-85°	5.4	5.8	6.0	6.2	6.4	6.7	6.9	7.0	7.2	7.4	7.6
-87.5°	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.4	4.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305348 (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°	4.8	4.9	5.0	5.1	5.3	5.4	5.5	5.5	5.6	5.7	5.7
85°	7.7	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.7
82.5°	10.5	10.8	11.1	11.3	11.5	11.7	11.9	12.1	12.2	12.3	12.4
80°	14.5	15.1	15.8	16.4	16.9	17.4	17.8	18.2	18.6	18.8	19.1
77.5°	20.5	21.9	23.2	24.5	25.6	26.6	27.6	28.4	29.1	29.7	30.2
75°	29.9	32.8	38.3	43.4	48.1	52.4	56.3	59.7	62.7	65.2	67.3
72.5°	59.2	66.1	74.3	87.3	99.2	110.1	120.0	128.7	136.3	142.8	148.1
70°	115.0	132.2	148.2	164.5	181.7	197.4	211.5	224.0	235.0	244.3	251.9
67.5°	190.8	215.0	237.7	258.8	279.0	297.7	314.6	329.6	342.7	353.8	363.0
65°	277.2	305.7	332.5	357.4	380.6	406.6	430.1	451.0	469.2	484.8	497.5
62.5°	366.9	403.1	439.8	474.1	505.7	535.2	562.4	586.7	607.9	625.9	640.7
60°	474.1	517.1	559.1	598.4	634.8	668.0	696.9	722.6	745.1	764.3	780.1
57.5°	585.8	634.8	680.3	721.6	759.9	795.0	828.1	858.5	885.1	907.8	926.6
55°	696.9	748.0	796.2	843.7	888.6	929.7	965.0	988.3	1008.7	1026.1	1040.4
52.5°	803.4	862.5	918.6	967.8	1001.9	1033.2	1061.7	1072.3	1078.8	1084.4	1089.0
50°	915.9	974.0	1016.4	1056.1	1074.1	1084.0	1093.1	1111.6	1138.1	1160.7	1179.4
47.5°	1006.8	1055.0	1076.3	1088.8	1109.1	1149.2	1185.7	1257.4	1497.1	1702.4	1872.1
45°	1071.1	1086.2	1109.4	1159.6	1206.4	1517.8	1846.6	2141.8	2359.8	2541.1	2691.2
42.5°	1093.0	1141.2	1198.3	1538.0	1957.4	2314.2	2602.5	2861.9	3000.4	3059.1	3107.7
40°	1160.6	1308.2	1815.6	2273.4	2638.9	2966.8	3059.4	3142.9	3213.3	3266.6	3310.9
37.5°	1418.6	1984.4	2459.8	2876.1	3053.1	3161.5	3250.6	3326.1	3392.8	3439.9	3479.2
35°	2041.1	2554.0	2979.5	3111.7	3229.8	3327.3	3412.4	3478.9	3538.0	3558.5	3567.1
32.5°	2554.0	2994.0	3141.4	3268.0	3379.6	3466.9	3545.8	3564.2	3577.1	3582.1	3581.0
30°	2979.5	3141.4	3280.9	3403.3	3500.3	3558.9	3576.0	3581.7	3580.0	3573.7	3555.4
27.5°	3111.7	3268.0	3403.3	3511.6	3563.6	3582.7	3580.5	3572.6	3545.4	3521.6	3601.2
25°	3229.8	3379.6	3500.3	3563.6	3582.4	3579.9	3558.4	3525.9	3621.7	3725.4	4461.4
22.5°	3327.3	3466.9	3558.9	3582.7	3579.9	3553.6	3544.0	3684.1	4443.2	5717.5	7995.3
20°	3412.4	3545.8	3576.0	3580.5	3558.4	3544.0	3705.2	4942.2	6958.7	11709.7	16317.1
17.5°	3478.9	3564.2	3581.7	3572.6	3525.9	3684.1	4942.2	7866.8	13635.3	21278.8	28709.2
15°	3538.0	3577.1	3580.0	3545.4	3621.7	4443.2	6958.7	13635.3	22980.6	34607.8	48762.8
12.5°	3558.5	3582.1	3573.7	3521.6	3725.4	5717.5	11709.7	21278.8	34607.8	52200.7	73743.8
10°	3567.1	3581.0	3555.4	3601.2	4461.4	7995.3	16317.1	28709.2	48762.8	73743.8	100712.3
7.5°	3573.9	3580.1	3540.7	3665.3	5255.4	10990.1	21762.4	38848.1	63447.9	93701.3	129497.9
5°	3578.8	3579.4	3530.1	3712.1	5837.3	13198.0	25808.0	46692.6	75934.6	112067.8	153813.7
2.5°	3581.8	3579.0	3523.7	3740.5	6192.8	14552.5	28304.3	51572.9	83796.5	124614.2	169668.2
0°	3582.8	3578.9	3521.5	3750.1	6312.4	15009.2	29148.7	53231.1	86486.0	129077.7	175227.9
-2.5°	3581.8	3579.0	3523.7	3740.5	6192.8	14552.5	28304.3	51572.9	83796.5	124614.2	169668.2
-5°	3578.8	3579.4	3530.1	3712.1	5837.3	13198.0	25808.0	46692.6	75934.6	112067.8	153813.7
-7.5°	3573.9	3580.1	3540.7	3665.3	5255.4	10990.1	21762.4	38848.1	63447.9	93701.3	129497.9
-10°	3567.1	3581.0	3555.4	3601.2	4461.4	7995.3	16317.1	28709.2	48762.8	73743.8	100712.3
-12.5°	3558.5	3582.1	3573.7	3521.6	3725.4	5717.5	11709.7	21278.8	34607.8	52200.7	73743.8
-15°	3538.0	3577.1	3580.0	3545.4	3621.7	4443.2	6958.7	13635.3	22980.6	34607.8	48762.8
-17.5°	3478.9	3564.2	3581.7	3572.6	3525.9	3684.1	4942.2	7866.8	13635.3	21278.8	28709.2
-20°	3412.4	3545.8	3576.0	3580.5	3558.4	3544.0	3705.2	4942.2	6958.7	11709.7	16317.1



REPORT NUMBER: P1305348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-2S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3327.3	3466.9	3558.9	3582.7	3579.9	3553.6	3544.0	3684.1	4443.2	5717.5	7995.3
-25°	3229.8	3379.6	3500.3	3563.6	3582.4	3579.9	3558.4	3525.9	3621.7	3725.4	4461.4
-27.5°	3111.7	3268.0	3403.3	3511.6	3563.6	3582.7	3580.5	3572.6	3545.4	3521.6	3601.2
-30°	2979.5	3141.4	3280.9	3403.3	3500.3	3558.9	3576.0	3581.7	3580.0	3573.7	3555.4
-32.5°	2554.0	2994.0	3141.4	3268.0	3379.6	3466.9	3545.8	3564.2	3577.1	3582.1	3581.0
-35°	2041.1	2554.0	2979.5	3111.7	3229.8	3327.3	3412.4	3478.9	3538.0	3558.5	3567.1
-37.5°	1418.6	1984.4	2459.8	2876.1	3053.1	3161.5	3250.6	3326.1	3392.8	3439.9	3479.2
-40°	1160.6	1308.2	1815.6	2273.4	2638.9	2966.8	3059.4	3142.9	3213.3	3266.6	3310.9
-42.5°	1093.0	1141.2	1198.3	1538.0	1957.4	2314.2	2602.5	2861.9	3000.4	3059.1	3107.7
-45°	1071.1	1086.2	1109.4	1159.6	1206.4	1517.8	1846.6	2141.8	2359.8	2541.1	2691.2
-47.5°	1006.8	1055.0	1076.3	1088.8	1109.1	1149.2	1185.7	1257.4	1497.1	1702.4	1872.1
-50°	915.9	974.0	1016.4	1056.1	1074.1	1084.0	1093.1	1111.6	1138.1	1160.7	1179.4
-52.5°	803.4	862.5	918.6	967.8	1001.9	1033.2	1061.7	1072.3	1078.8	1084.4	1089.0
-55°	696.9	748.0	796.2	843.7	888.6	929.7	965.0	988.3	1008.7	1026.1	1040.4
-57.5°	585.8	634.8	680.3	721.6	759.9	795.0	828.1	858.5	885.1	907.8	926.6
-60°	474.1	517.1	559.1	598.4	634.8	668.0	696.9	722.6	745.1	764.3	780.1
-62.5°	366.9	403.1	439.8	474.1	505.7	535.2	562.4	586.7	607.9	625.9	640.7
-65°	277.2	305.7	332.5	357.4	380.6	406.6	430.1	451.0	469.2	484.8	497.5
-67.5°	190.8	215.0	237.7	258.8	279.0	297.7	314.6	329.6	342.7	353.8	363.0
-70°	115.0	132.2	148.2	164.5	181.7	197.4	211.5	224.0	235.0	244.3	251.9
-72.5°	59.2	66.1	74.3	87.3	99.2	110.1	120.0	128.7	136.3	142.8	148.1
-75°	29.9	32.8	38.3	43.4	48.1	52.4	56.3	59.7	62.7	65.2	67.3
-77.5°	20.5	21.9	23.2	24.5	25.6	26.6	27.6	28.4	29.1	29.7	30.2
-80°	14.5	15.1	15.8	16.4	16.9	17.4	17.8	18.2	18.6	18.8	19.1
-82.5°	10.5	10.8	11.1	11.3	11.5	11.7	11.9	12.1	12.2	12.3	12.4
-85°	7.7	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.7
-87.5°	4.8	4.9	5.0	5.1	5.3	5.4	5.5	5.5	5.6	5.7	5.7
-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: P1305348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-2S-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°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.6	5.5
85°	8.7	8.8	8.8	8.8	8.8	8.8	8.7	8.7	8.7	8.6	8.5
82.5°	12.5	12.6	12.6	12.6	12.6	12.6	12.5	12.4	12.3	12.2	12.1
80°	19.3	19.4	19.5	19.5	19.5	19.4	19.3	19.1	18.8	18.6	18.2
77.5°	30.6	30.9	31.0	31.1	31.0	30.9	30.6	30.2	29.7	29.1	28.4
75°	68.9	70.1	70.8	71.0	70.8	70.1	68.9	67.3	65.2	62.7	59.7
72.5°	152.2	155.2	157.0	157.6	157.0	155.2	152.2	148.1	142.8	136.3	128.7
70°	257.9	262.2	264.7	265.6	264.7	262.2	257.9	251.9	244.3	235.0	224.0
67.5°	370.2	375.3	378.4	379.4	378.4	375.3	370.2	363.0	353.8	342.7	329.6
65°	507.5	514.7	519.0	520.4	519.0	514.7	507.5	497.5	484.8	469.2	451.0
62.5°	652.3	660.6	665.6	667.3	665.6	660.6	652.3	640.7	625.9	607.9	586.7
60°	792.5	801.3	806.6	808.4	806.6	801.3	792.5	780.1	764.3	745.1	722.6
57.5°	941.2	951.7	958.0	960.1	958.0	951.7	941.2	926.6	907.8	885.1	858.5
55°	1051.7	1059.7	1064.6	1066.2	1064.6	1059.7	1051.7	1040.4	1026.1	1008.7	988.3
52.5°	1092.6	1095.2	1096.8	1097.3	1096.8	1095.2	1092.6	1089.0	1084.4	1078.8	1072.3
50°	1194.1	1204.6	1211.0	1213.1	1211.0	1204.6	1194.1	1179.4	1160.7	1138.1	1111.6
47.5°	2005.3	2101.1	2158.8	2178.1	2158.8	2101.1	2005.3	1872.1	1702.4	1497.1	1257.4
45°	2809.0	2893.9	2945.0	2962.1	2945.0	2893.9	2809.0	2691.2	2541.1	2359.8	2141.8
42.5°	3145.9	3173.4	3190.0	3195.6	3190.0	3173.4	3145.9	3107.7	3059.1	3000.4	2861.9
40°	3345.8	3370.9	3386.1	3391.2	3386.1	3370.9	3345.8	3310.9	3266.6	3213.3	3142.9
37.5°	3510.2	3532.6	3546.2	3550.7	3546.2	3532.6	3510.2	3479.2	3439.9	3392.8	3326.1
35°	3573.9	3578.8	3581.8	3582.8	3581.8	3578.8	3573.9	3567.1	3558.5	3538.0	3478.9
32.5°	3580.1	3579.4	3579.0	3578.9	3579.0	3579.4	3580.1	3581.0	3582.1	3577.1	3564.2
30°	3540.7	3530.1	3523.7	3521.5	3523.7	3530.1	3540.7	3555.4	3573.7	3580.0	3581.7
27.5°	3665.3	3712.1	3740.5	3750.1	3740.5	3712.1	3665.3	3601.2	3521.6	3545.4	3572.6
25°	5255.4	5837.3	6192.8	6312.4	6192.8	5837.3	5255.4	4461.4	3725.4	3621.7	3525.9
22.5°	10990.1	13198.0	14552.5	15009.2	14552.5	13198.0	10990.1	7995.3	5717.5	4443.2	3684.1
20°	21762.4	25808.0	28304.3	29148.7	28304.3	25808.0	21762.4	16317.1	11709.7	6958.7	4942.2
17.5°	38848.1	46692.6	51572.9	53231.1	51572.9	46692.6	38848.1	28709.2	21278.8	13635.3	7866.8
15°	63447.9	75934.6	83796.5	86486.0	83796.5	75934.6	63447.9	48762.8	34607.8	22980.6	13635.3
12.5°	93701.3	112067.8	124614.2	129077.7	124614.2	112067.8	93701.3	73743.8	52200.7	34607.8	21278.8
10°	129497.9	153813.7	169668.2	175227.9	169668.2	153813.7	129497.9	100712.3	73743.8	48762.8	28709.2
7.5°	164436.1	193304.3	214598.0	222304.7	214598.0	193304.3	164436.1	129497.9	93701.3	63447.9	38848.1
5°	193304.3	230584.2	253442.6	260668.2	253442.6	230584.2	193304.3	153813.7	112067.8	75934.6	46692.6
2.5°	214598.0	253442.6	278152.1	290964.3	278152.1	253442.6	214598.0	169668.2	124614.2	83796.5	51572.9
0°	222304.7	260668.2	290964.3	312711.5	290964.3	260668.2	222304.7	175227.9	129077.7	86486.0	53231.1
-2.5°	214598.0	253442.6	278152.1	290964.3	278152.1	253442.6	214598.0	169668.2	124614.2	83796.5	51572.9
-5°	193304.3	230584.2	253442.6	260668.2	253442.6	230584.2	193304.3	153813.7	112067.8	75934.6	46692.6
-7.5°	164436.1	193304.3	214598.0	222304.7	214598.0	193304.3	164436.1	129497.9	93701.3	63447.9	38848.1
-10°	129497.9	153813.7	169668.2	175227.9	169668.2	153813.7	129497.9	100712.3	73743.8	48762.8	28709.2
-12.5°	93701.3	112067.8	124614.2	129077.7	124614.2	112067.8	93701.3	73743.8	52200.7	34607.8	21278.8
-15°	63447.9	75934.6	83796.5	86486.0	83796.5	75934.6	63447.9	48762.8	34607.8	22980.6	13635.3
-17.5°	38848.1	46692.6	51572.9	53231.1	51572.9	46692.6	38848.1	28709.2	21278.8	13635.3	7866.8
-20°	21762.4	25808.0	28304.3	29148.7	28304.3	25808.0	21762.4	16317.1	11709.7	6958.7	4942.2



REPORT NUMBER: P1305348 (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°	10990.1	13198.0	14552.5	15009.2	14552.5	13198.0	10990.1	7995.3	5717.5	4443.2	3684.1
-25°	5255.4	5837.3	6192.8	6312.4	6192.8	5837.3	5255.4	4461.4	3725.4	3621.7	3525.9
-27.5°	3665.3	3712.1	3740.5	3750.1	3740.5	3712.1	3665.3	3601.2	3521.6	3545.4	3572.6
-30°	3540.7	3530.1	3523.7	3521.5	3523.7	3530.1	3540.7	3555.4	3573.7	3580.0	3581.7
-32.5°	3580.1	3579.4	3579.0	3578.9	3579.0	3579.4	3580.1	3581.0	3582.1	3577.1	3564.2
-35°	3573.9	3578.8	3581.8	3582.8	3581.8	3578.8	3573.9	3567.1	3558.5	3538.0	3478.9
-37.5°	3510.2	3532.6	3546.2	3550.7	3546.2	3532.6	3510.2	3479.2	3439.9	3392.8	3326.1
-40°	3345.8	3370.9	3386.1	3391.2	3386.1	3370.9	3345.8	3310.9	3266.6	3213.3	3142.9
-42.5°	3145.9	3173.4	3190.0	3195.6	3190.0	3173.4	3145.9	3107.7	3059.1	3000.4	2861.9
-45°	2809.0	2893.9	2945.0	2962.1	2945.0	2893.9	2809.0	2691.2	2541.1	2359.8	2141.8
-47.5°	2005.3	2101.1	2158.8	2178.1	2158.8	2101.1	2005.3	1872.1	1702.4	1497.1	1257.4
-50°	1194.1	1204.6	1211.0	1213.1	1211.0	1204.6	1194.1	1179.4	1160.7	1138.1	1111.6
-52.5°	1092.6	1095.2	1096.8	1097.3	1096.8	1095.2	1092.6	1089.0	1084.4	1078.8	1072.3
-55°	1051.7	1059.7	1064.6	1066.2	1064.6	1059.7	1051.7	1040.4	1026.1	1008.7	988.3
-57.5°	941.2	951.7	958.0	960.1	958.0	951.7	941.2	926.6	907.8	885.1	858.5
-60°	792.5	801.3	806.6	808.4	806.6	801.3	792.5	780.1	764.3	745.1	722.6
-62.5°	652.3	660.6	665.6	667.3	665.6	660.6	652.3	640.7	625.9	607.9	586.7
-65°	507.5	514.7	519.0	520.4	519.0	514.7	507.5	497.5	484.8	469.2	451.0
-67.5°	370.2	375.3	378.4	379.4	378.4	375.3	370.2	363.0	353.8	342.7	329.6
-70°	257.9	262.2	264.7	265.6	264.7	262.2	257.9	251.9	244.3	235.0	224.0
-72.5°	152.2	155.2	157.0	157.6	157.0	155.2	152.2	148.1	142.8	136.3	128.7
-75°	68.9	70.1	70.8	71.0	70.8	70.1	68.9	67.3	65.2	62.7	59.7
-77.5°	30.6	30.9	31.0	31.1	31.0	30.9	30.6	30.2	29.7	29.1	28.4
-80°	19.3	19.4	19.5	19.5	19.5	19.4	19.3	19.1	18.8	18.6	18.2
-82.5°	12.5	12.6	12.6	12.6	12.6	12.6	12.5	12.4	12.3	12.2	12.1
-85°	8.7	8.8	8.8	8.8	8.8	8.8	8.7	8.7	8.7	8.6	8.5
-87.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.6	5.5
-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.5	5.4	5.3	5.1	5.0	4.9	4.8	4.6	4.4	4.3	4.1
85°	8.4	8.3	8.2	8.1	8.0	7.9	7.7	7.6	7.4	7.2	7.0
82.5°	11.9	11.7	11.5	11.3	11.1	10.8	10.5	10.2	9.9	9.6	9.2
80°	17.8	17.4	16.9	16.4	15.8	15.1	14.5	13.8	13.0	12.4	11.9
77.5°	27.6	26.6	25.6	24.5	23.2	21.9	20.5	19.2	18.2	17.2	16.2
75°	56.3	52.4	48.1	43.4	38.3	32.8	29.9	28.1	26.2	24.1	22.0
72.5°	120.0	110.1	99.2	87.3	74.3	66.1	59.2	51.9	44.2	36.0	30.1
70°	211.5	197.4	181.7	164.5	148.2	132.2	115.0	96.8	77.5	64.7	55.0
67.5°	314.6	297.7	279.0	258.8	237.7	215.0	190.8	165.1	141.9	119.1	95.2
65°	430.1	406.6	380.6	357.4	332.5	305.7	277.2	247.9	217.6	185.9	153.7
62.5°	562.4	535.2	505.7	474.1	439.8	403.1	366.9	333.4	298.1	261.4	224.9
60°	696.9	668.0	634.8	598.4	559.1	517.1	474.1	428.5	380.6	339.9	297.7
57.5°	828.1	795.0	759.9	721.6	680.3	634.8	585.8	534.0	481.2	426.6	371.6
55°	965.0	929.7	888.6	843.7	796.2	748.0	696.9	641.9	583.0	521.4	459.9
52.5°	1061.7	1033.2	1001.9	967.8	918.6	862.5	803.4	745.1	684.1	618.4	549.6
50°	1093.1	1084.0	1074.1	1056.1	1016.4	974.0	915.9	848.5	780.1	711.8	639.9
47.5°	1185.7	1149.2	1109.1	1088.8	1076.3	1055.0	1006.8	954.7	879.2	801.3	725.8
45°	1846.6	1517.8	1206.4	1159.6	1109.4	1086.2	1071.1	1029.0	972.7	894.7	808.4
42.5°	2602.5	2314.2	1957.4	1538.0	1198.3	1141.2	1093.0	1076.1	1040.2	978.2	894.7
40°	3059.4	2966.8	2638.9	2273.4	1815.6	1308.2	1160.6	1096.4	1077.8	1040.2	972.7
37.5°	3250.6	3161.5	3053.1	2876.1	2459.8	1984.4	1418.6	1167.1	1096.4	1076.1	1029.0
35°	3412.4	3327.3	3229.8	3111.7	2979.5	2554.0	2041.1	1418.6	1160.6	1093.0	1071.1
32.5°	3545.8	3466.9	3379.6	3268.0	3141.4	2994.0	2554.0	1984.4	1308.2	1141.2	1086.2
30°	3576.0	3558.9	3500.3	3403.3	3280.9	3141.4	2979.5	2459.8	1815.6	1198.3	1109.4
27.5°	3580.5	3582.7	3563.6	3511.6	3403.3	3268.0	3111.7	2876.1	2273.4	1538.0	1159.6
25°	3558.4	3579.9	3582.4	3563.6	3500.3	3379.6	3229.8	3053.1	2638.9	1957.4	1206.4
22.5°	3544.0	3553.6	3579.9	3582.7	3558.9	3466.9	3327.3	3161.5	2966.8	2314.2	1517.8
20°	3705.2	3544.0	3558.4	3580.5	3576.0	3545.8	3412.4	3250.6	3059.4	2602.5	1846.6
17.5°	4942.2	3684.1	3525.9	3572.6	3581.7	3564.2	3478.9	3326.1	3142.9	2861.9	2141.8
15°	6958.7	4443.2	3621.7	3545.4	3580.0	3577.1	3538.0	3392.8	3213.3	3000.4	2359.8
12.5°	11709.7	5717.5	3725.4	3521.6	3573.7	3582.1	3558.5	3439.9	3266.6	3059.1	2541.1
10°	16317.1	7995.3	4461.4	3601.2	3555.4	3581.0	3567.1	3479.2	3310.9	3107.7	2691.2
7.5°	21762.4	10990.1	5255.4	3665.3	3540.7	3580.1	3573.9	3510.2	3345.8	3145.9	2809.0
5°	25808.0	13198.0	5837.3	3712.1	3530.1	3579.4	3578.8	3532.6	3370.9	3173.4	2893.9
2.5°	28304.3	14552.5	6192.8	3740.5	3523.7	3579.0	3581.8	3546.2	3386.1	3190.0	2945.0
0°	29148.7	15009.2	6312.4	3750.1	3521.5	3578.9	3582.8	3550.7	3391.2	3195.6	2962.1
-2.5°	28304.3	14552.5	6192.8	3740.5	3523.7	3579.0	3581.8	3546.2	3386.1	3190.0	2945.0
-5°	25808.0	13198.0	5837.3	3712.1	3530.1	3579.4	3578.8	3532.6	3370.9	3173.4	2893.9
-7.5°	21762.4	10990.1	5255.4	3665.3	3540.7	3580.1	3573.9	3510.2	3345.8	3145.9	2809.0
-10°	16317.1	7995.3	4461.4	3601.2	3555.4	3581.0	3567.1	3479.2	3310.9	3107.7	2691.2
-12.5°	11709.7	5717.5	3725.4	3521.6	3573.7	3582.1	3558.5	3439.9	3266.6	3059.1	2541.1
-15°	6958.7	4443.2	3621.7	3545.4	3580.0	3577.1	3538.0	3392.8	3213.3	3000.4	2359.8
-17.5°	4942.2	3684.1	3525.9	3572.6	3581.7	3564.2	3478.9	3326.1	3142.9	2861.9	2141.8
-20°	3705.2	3544.0	3558.4	3580.5	3576.0	3545.8	3412.4	3250.6	3059.4	2602.5	1846.6



REPORT NUMBER: P1305348 (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°
-22.5°	3544.0	3553.6	3579.9	3582.7	3558.9	3466.9	3327.3	3161.5	2966.8	2314.2	1517.8
-25°	3558.4	3579.9	3582.4	3563.6	3500.3	3379.6	3229.8	3053.1	2638.9	1957.4	1206.4
-27.5°	3580.5	3582.7	3563.6	3511.6	3403.3	3268.0	3111.7	2876.1	2273.4	1538.0	1159.6
-30°	3576.0	3558.9	3500.3	3403.3	3280.9	3141.4	2979.5	2459.8	1815.6	1198.3	1109.4
-32.5°	3545.8	3466.9	3379.6	3268.0	3141.4	2994.0	2554.0	1984.4	1308.2	1141.2	1086.2
-35°	3412.4	3327.3	3229.8	3111.7	2979.5	2554.0	2041.1	1418.6	1160.6	1093.0	1071.1
-37.5°	3250.6	3161.5	3053.1	2876.1	2459.8	1984.4	1418.6	1167.1	1096.4	1076.1	1029.0
-40°	3059.4	2966.8	2638.9	2273.4	1815.6	1308.2	1160.6	1096.4	1077.8	1040.2	972.7
-42.5°	2602.5	2314.2	1957.4	1538.0	1198.3	1141.2	1093.0	1076.1	1040.2	978.2	894.7
-45°	1846.6	1517.8	1206.4	1159.6	1109.4	1086.2	1071.1	1029.0	972.7	894.7	808.4
-47.5°	1185.7	1149.2	1109.1	1088.8	1076.3	1055.0	1006.8	954.7	879.2	801.3	725.8
-50°	1093.1	1084.0	1074.1	1056.1	1016.4	974.0	915.9	848.5	780.1	711.8	639.9
-52.5°	1061.7	1033.2	1001.9	967.8	918.6	862.5	803.4	745.1	684.1	618.4	549.6
-55°	965.0	929.7	888.6	843.7	796.2	748.0	696.9	641.9	583.0	521.4	459.9
-57.5°	828.1	795.0	759.9	721.6	680.3	634.8	585.8	534.0	481.2	426.6	371.6
-60°	696.9	668.0	634.8	598.4	559.1	517.1	474.1	428.5	380.6	339.9	297.7
-62.5°	562.4	535.2	505.7	474.1	439.8	403.1	366.9	333.4	298.1	261.4	224.9
-65°	430.1	406.6	380.6	357.4	332.5	305.7	277.2	247.9	217.6	185.9	153.7
-67.5°	314.6	297.7	279.0	258.8	237.7	215.0	190.8	165.1	141.9	119.1	95.2
-70°	211.5	197.4	181.7	164.5	148.2	132.2	115.0	96.8	77.5	64.7	55.0
-72.5°	120.0	110.1	99.2	87.3	74.3	66.1	59.2	51.9	44.2	36.0	30.1
-75°	56.3	52.4	48.1	43.4	38.3	32.8	29.9	28.1	26.2	24.1	22.0
-77.5°	27.6	26.6	25.6	24.5	23.2	21.9	20.5	19.2	18.2	17.2	16.2
-80°	17.8	17.4	16.9	16.4	15.8	15.1	14.5	13.8	13.0	12.4	11.9
-82.5°	11.9	11.7	11.5	11.3	11.1	10.8	10.5	10.2	9.9	9.6	9.2
-85°	8.4	8.3	8.2	8.1	8.0	7.9	7.7	7.6	7.4	7.2	7.0
-87.5°	5.5	5.4	5.3	5.1	5.0	4.9	4.8	4.6	4.4	4.3	4.1
-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: P1305348 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-40-80-2S-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°	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.2	2.0	1.7
85°	6.9	6.7	6.4	6.2	6.0	5.8	5.4	4.9	4.4	4.0	3.5
82.5°	8.9	8.6	8.3	8.0	7.6	7.3	6.9	6.6	6.2	5.9	5.2
80°	11.4	10.9	10.4	9.9	9.3	8.8	8.3	7.9	7.4	6.9	6.4
77.5°	15.1	14.0	12.8	12.0	11.4	10.6	9.9	9.2	8.5	7.9	7.3
75°	19.8	18.3	16.9	15.5	14.0	12.5	11.6	10.7	9.8	8.9	8.2
72.5°	27.5	24.8	22.0	19.3	17.6	15.8	13.9	12.3	11.2	10.2	9.1
70°	44.8	34.3	28.9	25.6	22.2	19.1	17.0	14.8	12.7	11.4	10.2
67.5°	70.7	58.9	46.6	34.0	28.2	24.3	20.3	17.6	15.1	12.7	11.2
65°	126.1	97.4	69.5	55.5	41.1	29.7	25.3	20.8	17.6	14.8	12.3
62.5°	186.8	149.5	116.9	83.4	60.9	44.6	30.2	25.3	20.3	17.0	13.9
60°	254.5	211.5	167.1	128.7	91.2	62.7	44.6	29.7	24.3	19.1	15.8
57.5°	324.1	274.9	226.4	177.0	132.6	91.2	60.9	41.1	28.2	22.2	17.6
55°	396.3	340.0	285.5	231.4	177.0	128.7	83.4	55.5	34.0	25.6	19.3
52.5°	480.1	409.6	345.4	285.5	226.4	167.1	116.9	69.5	46.6	28.9	22.0
50°	563.8	486.8	409.6	340.0	274.9	211.5	149.5	97.4	58.9	34.3	24.8
47.5°	647.1	563.8	480.1	396.3	324.1	254.5	186.8	126.1	70.7	44.8	27.5
45°	725.8	639.9	549.6	459.9	371.6	297.7	224.9	153.7	95.2	55.0	30.1
42.5°	801.3	711.8	618.4	521.4	426.6	339.9	261.4	185.9	119.1	64.7	36.0
40°	879.2	780.1	684.1	583.0	481.2	380.6	298.1	217.6	141.9	77.5	44.2
37.5°	954.7	848.5	745.1	641.9	534.0	428.5	333.4	247.9	165.1	96.8	51.9
35°	1006.8	915.9	803.4	696.9	585.8	474.1	366.9	277.2	190.8	115.0	59.2
32.5°	1055.0	974.0	862.5	748.0	634.8	517.1	403.1	305.7	215.0	132.2	66.1
30°	1076.3	1016.4	918.6	796.2	680.3	559.1	439.8	332.5	237.7	148.2	74.3
27.5°	1088.8	1056.1	967.8	843.7	721.6	598.4	474.1	357.4	258.8	164.5	87.3
25°	1109.1	1074.1	1001.9	888.6	759.9	634.8	505.7	380.6	279.0	181.7	99.2
22.5°	1149.2	1084.0	1033.2	929.7	795.0	668.0	535.2	406.6	297.7	197.4	110.1
20°	1185.7	1093.1	1061.7	965.0	828.1	696.9	562.4	430.1	314.6	211.5	120.0
17.5°	1257.4	1111.6	1072.3	988.3	858.5	722.6	586.7	451.0	329.6	224.0	128.7
15°	1497.1	1138.1	1078.8	1008.7	885.1	745.1	607.9	469.2	342.7	235.0	136.3
12.5°	1702.4	1160.7	1084.4	1026.1	907.8	764.3	625.9	484.8	353.8	244.3	142.8
10°	1872.1	1179.4	1089.0	1040.4	926.6	780.1	640.7	497.5	363.0	251.9	148.1
7.5°	2005.3	1194.1	1092.6	1051.7	941.2	792.5	652.3	507.5	370.2	257.9	152.2
5°	2101.1	1204.6	1095.2	1059.7	951.7	801.3	660.6	514.7	375.3	262.2	155.2
2.5°	2158.8	1211.0	1096.8	1064.6	958.0	806.6	665.6	519.0	378.4	264.7	157.0
0°	<b>2178.1</b>	<b>1213.1</b>	<b>1097.3</b>	<b>1066.2</b>	<b>960.1</b>	<b>808.4</b>	<b>667.3</b>	<b>520.4</b>	<b>379.4</b>	<b>265.6</b>	<b>157.6</b>
-2.5°	2158.8	1211.0	1096.8	1064.6	958.0	806.6	665.6	519.0	378.4	264.7	157.0
-5°	2101.1	1204.6	1095.2	1059.7	951.7	801.3	660.6	514.7	375.3	262.2	155.2
-7.5°	2005.3	1194.1	1092.6	1051.7	941.2	792.5	652.3	507.5	370.2	257.9	152.2
-10°	1872.1	1179.4	1089.0	1040.4	926.6	780.1	640.7	497.5	363.0	251.9	148.1
-12.5°	1702.4	1160.7	1084.4	1026.1	907.8	764.3	625.9	484.8	353.8	244.3	142.8
-15°	1497.1	1138.1	1078.8	1008.7	885.1	745.1	607.9	469.2	342.7	235.0	136.3
-17.5°	1257.4	1111.6	1072.3	988.3	858.5	722.6	586.7	451.0	329.6	224.0	128.7
-20°	1185.7	1093.1	1061.7	965.0	828.1	696.9	562.4	430.1	314.6	211.5	120.0



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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°	1149.2	1084.0	1033.2	929.7	795.0	668.0	535.2	406.6	297.7	197.4	110.1
-25°	1109.1	1074.1	1001.9	888.6	759.9	634.8	505.7	380.6	279.0	181.7	99.2
-27.5°	1088.8	1056.1	967.8	843.7	721.6	598.4	474.1	357.4	258.8	164.5	87.3
-30°	1076.3	1016.4	918.6	796.2	680.3	559.1	439.8	332.5	237.7	148.2	74.3
-32.5°	1055.0	974.0	862.5	748.0	634.8	517.1	403.1	305.7	215.0	132.2	66.1
-35°	1006.8	915.9	803.4	696.9	585.8	474.1	366.9	277.2	190.8	115.0	59.2
-37.5°	954.7	848.5	745.1	641.9	534.0	428.5	333.4	247.9	165.1	96.8	51.9
-40°	879.2	780.1	684.1	583.0	481.2	380.6	298.1	217.6	141.9	77.5	44.2
-42.5°	801.3	711.8	618.4	521.4	426.6	339.9	261.4	185.9	119.1	64.7	36.0
-45°	725.8	639.9	549.6	459.9	371.6	297.7	224.9	153.7	95.2	55.0	30.1
-47.5°	647.1	563.8	480.1	396.3	324.1	254.5	186.8	126.1	70.7	44.8	27.5
-50°	563.8	486.8	409.6	340.0	274.9	211.5	149.5	97.4	58.9	34.3	24.8
-52.5°	480.1	409.6	345.4	285.5	226.4	167.1	116.9	69.5	46.6	28.9	22.0
-55°	396.3	340.0	285.5	231.4	177.0	128.7	83.4	55.5	34.0	25.6	19.3
-57.5°	324.1	274.9	226.4	177.0	132.6	91.2	60.9	41.1	28.2	22.2	17.6
-60°	254.5	211.5	167.1	128.7	91.2	62.7	44.6	29.7	24.3	19.1	15.8
-62.5°	186.8	149.5	116.9	83.4	60.9	44.6	30.2	25.3	20.3	17.0	13.9
-65°	126.1	97.4	69.5	55.5	41.1	29.7	25.3	20.8	17.6	14.8	12.3
-67.5°	70.7	58.9	46.6	34.0	28.2	24.3	20.3	17.6	15.1	12.7	11.2
-70°	44.8	34.3	28.9	25.6	22.2	19.1	17.0	14.8	12.7	11.4	10.2
-72.5°	27.5	24.8	22.0	19.3	17.6	15.8	13.9	12.3	11.2	10.2	9.1
-75°	19.8	18.3	16.9	15.5	14.0	12.5	11.6	10.7	9.8	8.9	8.2
-77.5°	15.1	14.0	12.8	12.0	11.4	10.6	9.9	9.2	8.5	7.9	7.3
-80°	11.4	10.9	10.4	9.9	9.3	8.8	8.3	7.9	7.4	6.9	6.4
-82.5°	8.9	8.6	8.3	8.0	7.6	7.3	6.9	6.6	6.2	5.9	5.2
-85°	6.9	6.7	6.4	6.2	6.0	5.8	5.4	4.9	4.4	4.0	3.5
-87.5°	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.2	2.0	1.7
-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°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
85°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
82.5°	4.5	3.8	3.0	2.3	1.5	0.8	0.0
80°	5.9	5.0	4.0	3.0	2.0	1.0	0.0
77.5°	6.7	6.0	5.0	3.8	2.5	1.3	0.0
75°	7.4	6.7	5.9	4.5	3.0	1.5	0.0
72.5°	8.2	7.3	6.4	5.2	3.5	1.7	0.0
70°	8.9	7.9	6.9	5.9	4.0	2.0	0.0
67.5°	9.8	8.5	7.4	6.2	4.4	2.2	0.0
65°	10.7	9.2	7.9	6.6	4.9	2.5	0.0
62.5°	11.6	9.9	8.3	6.9	5.4	2.7	0.0
60°	12.5	10.6	8.8	7.3	5.8	2.9	0.0
57.5°	14.0	11.4	9.3	7.6	6.0	3.1	0.0
55°	15.5	12.0	9.9	8.0	6.2	3.3	0.0
52.5°	16.9	12.8	10.4	8.3	6.4	3.5	0.0
50°	18.3	14.0	10.9	8.6	6.7	3.7	0.0
47.5°	19.8	15.1	11.4	8.9	6.9	3.9	0.0
45°	22.0	16.2	11.9	9.2	7.0	4.1	0.0
42.5°	24.1	17.2	12.4	9.6	7.2	4.3	0.0
40°	26.2	18.2	13.0	9.9	7.4	4.4	0.0
37.5°	28.1	19.2	13.8	10.2	7.6	4.6	0.0
35°	29.9	20.5	14.5	10.5	7.7	4.8	0.0
32.5°	32.8	21.9	15.1	10.8	7.9	4.9	0.0
30°	38.3	23.2	15.8	11.1	8.0	5.0	0.0
27.5°	43.4	24.5	16.4	11.3	8.1	5.1	0.0
25°	48.1	25.6	16.9	11.5	8.2	5.3	0.0
22.5°	52.4	26.6	17.4	11.7	8.3	5.4	0.0
20°	56.3	27.6	17.8	11.9	8.4	5.5	0.0
17.5°	59.7	28.4	18.2	12.1	8.5	5.5	0.0
15°	62.7	29.1	18.6	12.2	8.6	5.6	0.0
12.5°	65.2	29.7	18.8	12.3	8.7	5.7	0.0
10°	67.3	30.2	19.1	12.4	8.7	5.7	0.0
7.5°	68.9	30.6	19.3	12.5	8.7	5.8	0.0
5°	70.1	30.9	19.4	12.6	8.8	5.8	0.0
2.5°	70.8	31.0	19.5	12.6	8.8	5.8	0.0
0°	71.0	31.1	19.5	12.6	8.8	5.8	0.0
-2.5°	70.8	31.0	19.5	12.6	8.8	5.8	0.0
-5°	70.1	30.9	19.4	12.6	8.8	5.8	0.0
-7.5°	68.9	30.6	19.3	12.5	8.7	5.8	0.0
-10°	67.3	30.2	19.1	12.4	8.7	5.7	0.0
-12.5°	65.2	29.7	18.8	12.3	8.7	5.7	0.0
-15°	62.7	29.1	18.6	12.2	8.6	5.6	0.0
-17.5°	59.7	28.4	18.2	12.1	8.5	5.5	0.0
-20°	56.3	27.6	17.8	11.9	8.4	5.5	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	52.4	26.6	17.4	11.7	8.3	5.4	0.0
-25°	48.1	25.6	16.9	11.5	8.2	5.3	0.0
-27.5°	43.4	24.5	16.4	11.3	8.1	5.1	0.0
-30°	38.3	23.2	15.8	11.1	8.0	5.0	0.0
-32.5°	32.8	21.9	15.1	10.8	7.9	4.9	0.0
-35°	29.9	20.5	14.5	10.5	7.7	4.8	0.0
-37.5°	28.1	19.2	13.8	10.2	7.6	4.6	0.0
-40°	26.2	18.2	13.0	9.9	7.4	4.4	0.0
-42.5°	24.1	17.2	12.4	9.6	7.2	4.3	0.0
-45°	22.0	16.2	11.9	9.2	7.0	4.1	0.0
-47.5°	19.8	15.1	11.4	8.9	6.9	3.9	0.0
-50°	18.3	14.0	10.9	8.6	6.7	3.7	0.0
-52.5°	16.9	12.8	10.4	8.3	6.4	3.5	0.0
-55°	15.5	12.0	9.9	8.0	6.2	3.3	0.0
-57.5°	14.0	11.4	9.3	7.6	6.0	3.1	0.0
-60°	12.5	10.6	8.8	7.3	5.8	2.9	0.0
-62.5°	11.6	9.9	8.3	6.9	5.4	2.7	0.0
-65°	10.7	9.2	7.9	6.6	4.9	2.5	0.0
-67.5°	9.8	8.5	7.4	6.2	4.4	2.2	0.0
-70°	8.9	7.9	6.9	5.9	4.0	2.0	0.0
-72.5°	8.2	7.3	6.4	5.2	3.5	1.7	0.0
-75°	7.4	6.7	5.9	4.5	3.0	1.5	0.0
-77.5°	6.7	6.0	5.0	3.8	2.5	1.3	0.0
-80°	5.9	5.0	4.0	3.0	2.0	1.0	0.0
-82.5°	4.5	3.8	3.0	2.3	1.5	0.8	0.0
-85°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
-87.5°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)