

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: P1305365 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320L-57-70-1S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

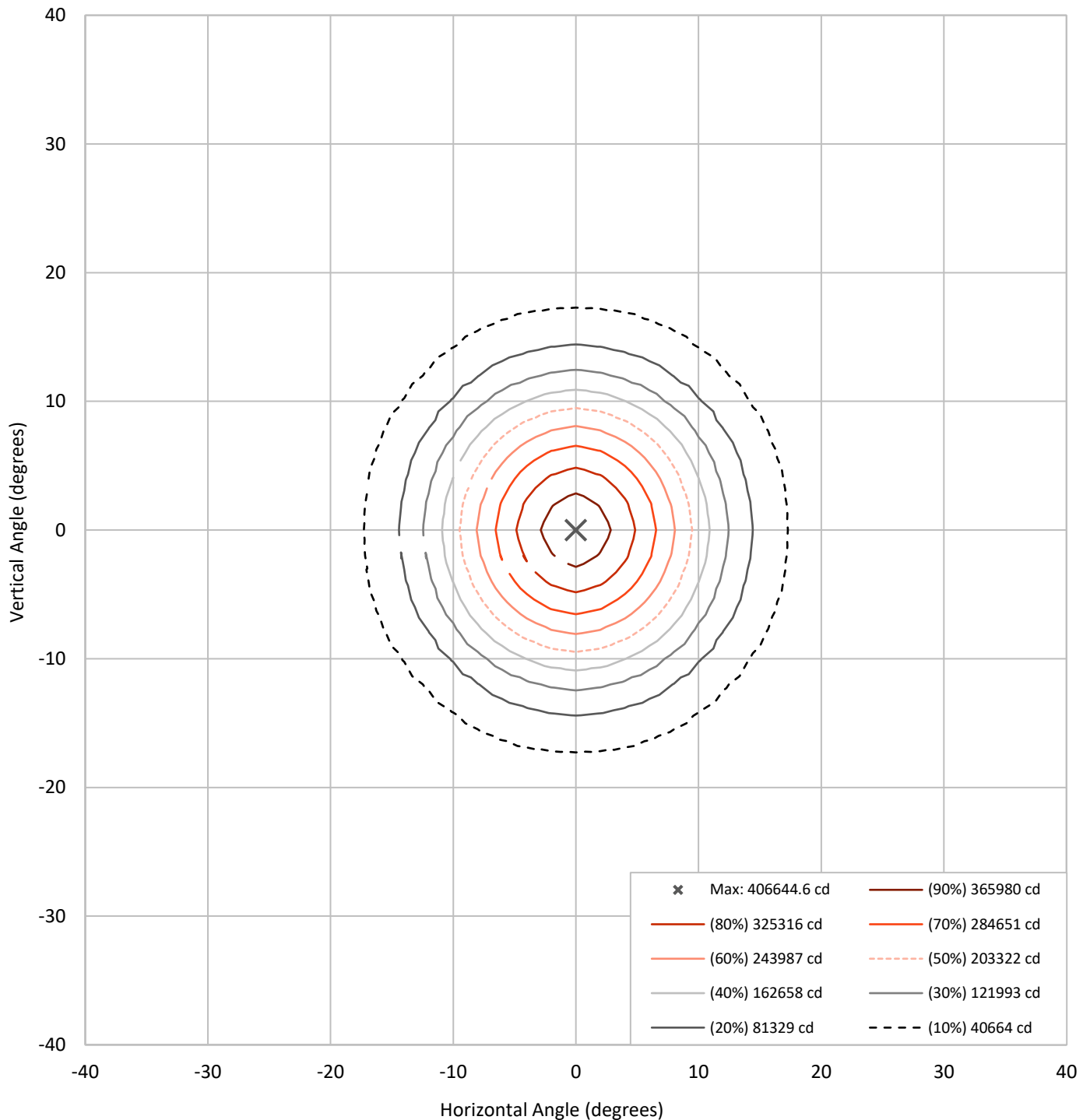
Test Method: LM-79-08  
Report Number: P1305365 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320L-57-70-1S-HEG-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 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:	55086.3 lumens	Max Intensity:	406644.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	163.8 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:	23742.9 lumens	Field Lumens:	43739.6 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





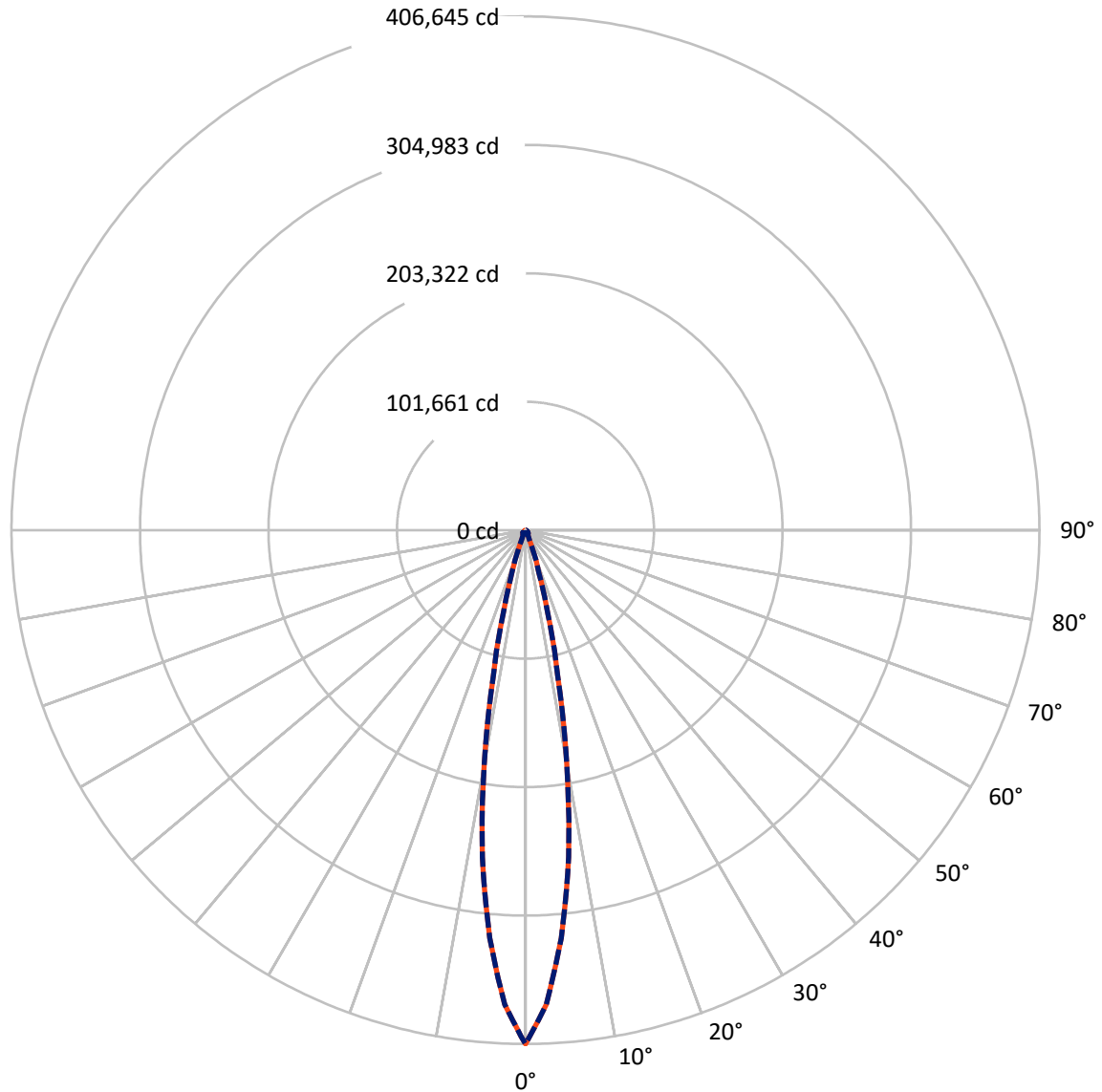
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### Lumen Table

90	0.1	0.5		1.9		4.8		6.3		4.8		1.9		0.5		0.1
80	0.1	0.5		1.9		4.8		6.3		4.8		1.9		0.5		0.1
70	0.2	0.3	1.1	3.4	6.9	10.7	13.9	15.7	15.7	13.9	10.7	6.9	3.4	1.1	0.3	0.2
60		0.9	4.1	10.0	17.2	23.2	27.2	29.3	29.3	27.2	23.2	17.2	10.0	4.1	0.9	
50	0.6	2.1	8.2	17.0	24.8	42.1	66.3	79.6	79.6	66.3	42.1	24.8	17.0	8.2	2.1	0.6
40		3.7	12.1	21.5	50.8	87.0	96.1	96.3	96.3	96.1	87.0	50.8	21.5	12.1	3.7	
30	1.4	5.2	14.8	33.2	78.7	87.1	95.7	166.0	166.0	95.7	87.1	78.7	33.2	14.8	5.2	1.4
20		6.3	16.2	49.2	81.4	90.0	526.0	1964.3	1964.3	526.0	90.0	81.4	49.2	16.2	6.3	
10	1.8	6.9	17.0	57.2	79.0	152.7	1916.7	7543.1	7543.1	1916.7	152.7	79.0	57.2	17.0	6.9	1.8
0		6.9	17.0	57.2	79.0	152.7	1916.7	7543.1	7543.1	1916.7	152.7	79.0	57.2	17.0	6.9	
-10	1.4	6.3	16.2	49.2	81.4	90.0	526.0	1964.3	1964.3	526.0	90.0	81.4	49.2	16.2	6.3	1.4
-20		5.2	14.8	33.2	78.7	87.1	95.7	166.0	166.0	95.7	87.1	78.7	33.2	14.8	5.2	
-30	0.6	3.7	12.1	21.5	50.8	87.0	96.1	96.3	96.3	96.1	87.0	50.8	21.5	12.1	3.7	0.6
-40		2.1	8.2	17.0	24.8	42.1	66.3	79.6	79.6	66.3	42.1	24.8	17.0	8.2	2.1	
-50	0.2	0.9	4.1	10.0	17.2	23.2	27.2	29.3	29.3	27.2	23.2	17.2	10.0	4.1	0.9	0.2
-60		0.3	1.1	3.4	6.9	10.7	13.9	15.7	15.7	13.9	10.7	6.9	3.4	1.1	0.3	
-70	0.1	0.5		1.9		4.8		6.3		4.8		1.9		0.5		0.1
-80		0.5		1.9		4.8		6.3		4.8		1.9		0.5		
-90	0.1	0.5		1.9		4.8		6.3		4.8		1.9		0.5		0.1

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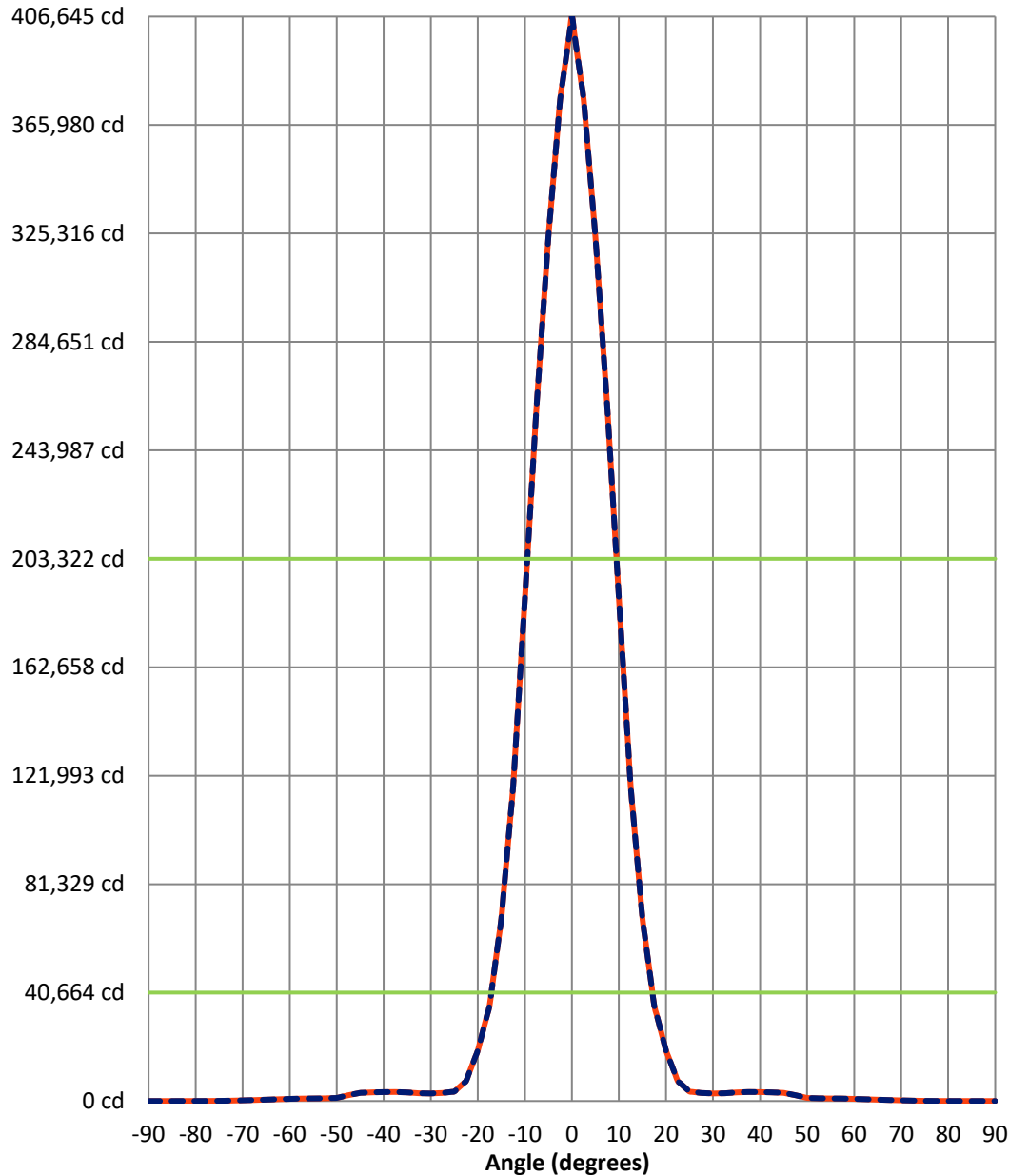
### Luminous Intensity Polar Plot



— 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: 23742.9  
 Efficiency: 43.1%

**Field:**  
 H Angle: 34.3°  
 V Angle: 34.3°  
 Lumens: 43739.6  
 Efficiency: 79.4%

**Spill:**  
 Lumens: 11346.7  
 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	9.8
72.5°	0.0	1.2	2.3	3.5	4.5	5.3	6.2	7.2	8.9	10.6	12.2
70°	0.0	1.3	2.7	4.0	4.9	5.9	7.0	8.9	10.9	12.8	14.9
67.5°	0.0	1.5	3.0	4.3	5.4	6.5	8.4	10.6	12.8	15.2	17.6
65°	0.0	1.6	3.3	4.7	5.9	7.4	9.8	12.2	14.9	17.6	20.9
62.5°	0.0	1.8	3.6	5.0	6.3	8.5	11.2	14.0	17.0	20.3	25.4
60°	0.0	1.9	3.9	5.3	6.8	9.7	12.5	15.8	19.1	24.3	29.8
57.5°	0.0	2.1	4.1	5.7	7.6	10.8	14.0	17.6	22.3	28.2	40.9
55°	0.0	2.2	4.3	6.0	8.5	11.8	15.5	19.3	25.6	34.0	55.0
52.5°	0.0	2.4	4.5	6.3	9.3	12.9	17.0	22.1	28.9	46.3	68.7
50°	0.0	2.5	4.7	6.6	10.1	14.1	18.3	24.9	34.3	58.3	94.5
47.5°	0.0	2.6	4.9	6.9	10.9	15.2	19.8	27.6	44.6	69.8	120.9
45°	0.0	2.8	5.1	7.5	11.6	16.2	22.1	30.2	54.5	92.5	146.4
42.5°	0.0	2.9	5.3	8.0	12.4	17.3	24.2	36.0	64.0	114.5	178.3
40°	0.0	3.0	5.4	8.5	13.1	18.3	26.2	43.9	76.1	135.5	210.1
37.5°	0.0	3.1	5.6	9.0	13.8	19.2	28.2	51.5	93.9	157.5	240.4
35°	0.0	3.2	5.7	9.5	14.5	20.5	30.0	58.6	110.7	183.2	270.2
32.5°	0.0	3.3	5.9	9.9	15.2	21.9	32.9	65.3	126.5	207.5	300.0
30°	0.0	3.4	6.0	10.3	15.8	23.3	38.2	73.1	141.4	230.2	327.9
27.5°	0.0	3.5	6.1	10.7	16.4	24.5	43.2	85.1	156.9	251.3	353.9
25°	0.0	3.5	6.3	11.0	16.9	25.6	47.8	96.1	174.1	272.0	378.1
22.5°	0.0	3.6	6.4	11.3	17.4	26.7	52.0	106.2	189.8	291.6	404.5
20°	0.0	3.7	6.4	11.6	17.8	27.6	55.7	115.3	203.9	309.2	428.4
17.5°	0.0	3.7	6.5	11.9	18.2	28.5	59.1	123.3	216.5	324.9	449.6
15°	0.0	3.8	6.6	12.1	18.6	29.2	62.0	130.4	227.4	338.6	468.1
12.5°	0.0	3.8	6.7	12.3	18.8	29.8	64.4	136.3	236.8	350.2	483.8
10°	0.0	3.8	6.7	12.4	19.1	30.3	66.5	141.2	244.4	359.8	496.8
7.5°	0.0	3.9	6.8	12.5	19.3	30.7	68.1	145.1	250.4	367.3	506.9
5°	0.0	3.9	6.8	12.6	19.4	31.0	69.2	147.8	254.7	372.6	514.2
2.5°	0.0	3.9	6.8	12.7	19.5	31.1	69.9	149.5	257.2	375.8	518.5
0°	0.0	3.9	6.8	12.7	19.5	31.2	70.1	150.0	258.1	376.9	520.0
-2.5°	0.0	3.9	6.8	12.7	19.5	31.1	69.9	149.5	257.2	375.8	518.5
-5°	0.0	3.9	6.8	12.6	19.4	31.0	69.2	147.8	254.7	372.6	514.2
-7.5°	0.0	3.9	6.8	12.5	19.3	30.7	68.1	145.1	250.4	367.3	506.9
-10°	0.0	3.8	6.7	12.4	19.1	30.3	66.5	141.2	244.4	359.8	496.8
-12.5°	0.0	3.8	6.7	12.3	18.8	29.8	64.4	136.3	236.8	350.2	483.8
-15°	0.0	3.8	6.6	12.1	18.6	29.2	62.0	130.4	227.4	338.6	468.1
-17.5°	0.0	3.7	6.5	11.9	18.2	28.5	59.1	123.3	216.5	324.9	449.6
-20°	0.0	3.7	6.4	11.6	17.8	27.6	55.7	115.3	203.9	309.2	428.4



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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°	0.0	3.6	6.4	11.3	17.4	26.7	52.0	106.2	189.8	291.6	404.5
-25°	0.0	3.5	6.3	11.0	16.9	25.6	47.8	96.1	174.1	272.0	378.1
-27.5°	0.0	3.5	6.1	10.7	16.4	24.5	43.2	85.1	156.9	251.3	353.9
-30°	0.0	3.4	6.0	10.3	15.8	23.3	38.2	73.1	141.4	230.2	327.9
-32.5°	0.0	3.3	5.9	9.9	15.2	21.9	32.9	65.3	126.5	207.5	300.0
-35°	0.0	3.2	5.7	9.5	14.5	20.5	30.0	58.6	110.7	183.2	270.2
-37.5°	0.0	3.1	5.6	9.0	13.8	19.2	28.2	51.5	93.9	157.5	240.4
-40°	0.0	3.0	5.4	8.5	13.1	18.3	26.2	43.9	76.1	135.5	210.1
-42.5°	0.0	2.9	5.3	8.0	12.4	17.3	24.2	36.0	64.0	114.5	178.3
-45°	0.0	2.8	5.1	7.5	11.6	16.2	22.1	30.2	54.5	92.5	146.4
-47.5°	0.0	2.6	4.9	6.9	10.9	15.2	19.8	27.6	44.6	69.8	120.9
-50°	0.0	2.5	4.7	6.6	10.1	14.1	18.3	24.9	34.3	58.3	94.5
-52.5°	0.0	2.4	4.5	6.3	9.3	12.9	17.0	22.1	28.9	46.3	68.7
-55°	0.0	2.2	4.3	6.0	8.5	11.8	15.5	19.3	25.6	34.0	55.0
-57.5°	0.0	2.1	4.1	5.7	7.6	10.8	14.0	17.6	22.3	28.2	40.9
-60°	0.0	1.9	3.9	5.3	6.8	9.7	12.5	15.8	19.1	24.3	29.8
-62.5°	0.0	1.8	3.6	5.0	6.3	8.5	11.2	14.0	17.0	20.3	25.4
-65°	0.0	1.6	3.3	4.7	5.9	7.4	9.8	12.2	14.9	17.6	20.9
-67.5°	0.0	1.5	3.0	4.3	5.4	6.5	8.4	10.6	12.8	15.2	17.6
-70°	0.0	1.3	2.7	4.0	4.9	5.9	7.0	8.9	10.9	12.8	14.9
-72.5°	0.0	1.2	2.3	3.5	4.5	5.3	6.2	7.2	8.9	10.6	12.2
-75°	0.0	1.0	2.0	3.0	4.0	4.7	5.5	6.2	7.0	8.4	9.8
-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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 CATALOG NUMBER: EPH-08-320L-57-70-1S-HEG-A

**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	8.5	9.3	10.1	10.9	11.6	12.4	13.1	13.8
77.5°	8.5	9.7	10.8	11.8	12.9	14.1	15.2	16.2	17.3	18.3	19.2
75°	11.2	12.5	14.0	15.5	17.0	18.3	19.8	22.1	24.2	26.2	28.2
72.5°	14.0	15.8	17.6	19.3	22.1	24.9	27.6	30.2	36.0	43.9	51.5
70°	17.0	19.1	22.3	25.6	28.9	34.3	44.6	54.5	64.0	76.1	93.9
67.5°	20.3	24.3	28.2	34.0	46.3	58.3	69.8	92.5	114.5	135.5	157.5
65°	25.4	29.8	40.9	55.0	68.7	94.5	120.9	146.4	178.3	210.1	240.4
62.5°	30.3	44.4	60.2	81.5	112.5	142.5	179.3	217.3	253.9	292.1	328.9
60°	44.4	62.0	88.8	123.3	159.6	203.9	247.0	291.6	335.6	378.1	426.7
57.5°	60.2	88.8	127.0	169.4	218.8	267.8	319.1	368.8	424.8	480.2	533.7
55°	81.5	123.3	169.4	223.8	278.8	335.8	394.0	458.6	521.0	583.0	642.4
52.5°	112.5	159.6	218.8	278.8	341.4	407.6	479.1	549.4	618.8	684.3	743.7
50°	142.5	203.9	267.8	335.8	407.6	485.9	563.7	640.4	711.3	777.8	837.0
47.5°	179.3	247.0	319.1	394.0	479.1	563.7	647.7	724.9	798.4	861.2	920.8
45°	217.3	291.6	368.8	458.6	549.4	640.4	724.9	805.3	873.4	929.7	950.4
42.5°	253.9	335.6	424.8	521.0	618.8	711.3	798.4	873.4	931.8	954.5	980.8
40°	292.1	378.1	480.2	583.0	684.3	777.8	861.2	929.7	954.5	983.6	1015.1
37.5°	328.9	426.7	533.7	642.4	743.7	837.0	920.8	950.4	980.8	1015.1	1109.3
35°	363.8	473.0	585.8	696.8	800.5	890.2	942.2	972.3	1009.3	1100.7	1388.6
32.5°	400.9	516.7	635.2	746.6	848.1	930.2	959.9	997.9	1075.0	1271.4	1989.3
30°	438.2	559.0	680.7	793.4	892.4	945.7	981.0	1032.7	1150.8	1810.0	2506.6
27.5°	473.0	598.6	720.9	833.2	927.9	960.3	1002.2	1099.4	1515.4	2300.3	2967.3
25°	505.1	635.2	758.1	868.6	940.4	977.3	1032.3	1161.6	1960.6	2704.8	3133.1
22.5°	534.9	668.7	792.2	901.1	951.9	994.1	1085.6	1494.0	2345.5	3066.2	3217.3
20°	562.4	696.8	820.8	926.9	962.3	1009.4	1134.1	1843.0	2664.5	3138.0	3274.3
17.5°	586.8	721.8	844.9	935.4	974.3	1035.7	1217.6	2156.4	2951.7	3202.8	3316.4
15°	608.1	743.7	865.9	942.9	985.4	1070.8	1471.9	2396.0	3092.3	3253.6	3353.0
12.5°	626.3	762.4	883.8	949.3	994.8	1100.9	1689.9	2596.6	3137.7	3283.3	3363.1
10°	641.2	777.8	898.6	954.6	1002.6	1125.8	1870.1	2762.7	3175.5	3307.9	3371.5
7.5°	652.9	789.8	910.2	958.7	1008.7	1145.3	2011.5	2893.1	3205.1	3327.4	3378.1
5°	661.3	798.4	918.4	961.6	1013.1	1159.3	2113.2	2987.0	3226.5	3341.4	3382.9
2.5°	666.3	803.6	923.4	963.4	1015.7	1167.7	2174.4	3043.6	3239.4	3349.9	3385.8
0°	<b>668.0</b>	<b>805.3</b>	<b>925.1</b>	<b>964.0</b>	<b>1016.6</b>	<b>1170.5</b>	<b>2194.9</b>	<b>3062.5</b>	<b>3243.7</b>	<b>3352.7</b>	<b>3386.8</b>
-2.5°	666.3	803.6	923.4	963.4	1015.7	1167.7	2174.4	3043.6	3239.4	3349.9	3385.8
-5°	661.3	798.4	918.4	961.6	1013.1	1159.3	2113.2	2987.0	3226.5	3341.4	3382.9
-7.5°	652.9	789.8	910.2	958.7	1008.7	1145.3	2011.5	2893.1	3205.1	3327.4	3378.1
-10°	641.2	777.8	898.6	954.6	1002.6	1125.8	1870.1	2762.7	3175.5	3307.9	3371.5
-12.5°	626.3	762.4	883.8	949.3	994.8	1100.9	1689.9	2596.6	3137.7	3283.3	3363.1
-15°	608.1	743.7	865.9	942.9	985.4	1070.8	1471.9	2396.0	3092.3	3253.6	3353.0
-17.5°	586.8	721.8	844.9	935.4	974.3	1035.7	1217.6	2156.4	2951.7	3202.8	3316.4
-20°	562.4	696.8	820.8	926.9	962.3	1009.4	1134.1	1843.0	2664.5	3138.0	3274.3



REPORT NUMBER: P1305365 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	534.9	668.7	792.2	901.1	951.9	994.1	1085.6	1494.0	2345.5	3066.2	3217.3
-25°	505.1	635.2	758.1	868.6	940.4	977.3	1032.3	1161.6	1960.6	2704.8	3133.1
-27.5°	473.0	598.6	720.9	833.2	927.9	960.3	1002.2	1099.4	1515.4	2300.3	2967.3
-30°	438.2	559.0	680.7	793.4	892.4	945.7	981.0	1032.7	1150.8	1810.0	2506.6
-32.5°	400.9	516.7	635.2	746.6	848.1	930.2	959.9	997.9	1075.0	1271.4	1989.3
-35°	363.8	473.0	585.8	696.8	800.5	890.2	942.2	972.3	1009.3	1100.7	1388.6
-37.5°	328.9	426.7	533.7	642.4	743.7	837.0	920.8	950.4	980.8	1015.1	1109.3
-40°	292.1	378.1	480.2	583.0	684.3	777.8	861.2	929.7	954.5	983.6	1015.1
-42.5°	253.9	335.6	424.8	521.0	618.8	711.3	798.4	873.4	931.8	954.5	980.8
-45°	217.3	291.6	368.8	458.6	549.4	640.4	724.9	805.3	873.4	929.7	950.4
-47.5°	179.3	247.0	319.1	394.0	479.1	563.7	647.7	724.9	798.4	861.2	920.8
-50°	142.5	203.9	267.8	335.8	407.6	485.9	563.7	640.4	711.3	777.8	837.0
-52.5°	112.5	159.6	218.8	278.8	341.4	407.6	479.1	549.4	618.8	684.3	743.7
-55°	81.5	123.3	169.4	223.8	278.8	335.8	394.0	458.6	521.0	583.0	642.4
-57.5°	60.2	88.8	127.0	169.4	218.8	267.8	319.1	368.8	424.8	480.2	533.7
-60°	44.4	62.0	88.8	123.3	159.6	203.9	247.0	291.6	335.6	378.1	426.7
-62.5°	30.3	44.4	60.2	81.5	112.5	142.5	179.3	217.3	253.9	292.1	328.9
-65°	25.4	29.8	40.9	55.0	68.7	94.5	120.9	146.4	178.3	210.1	240.4
-67.5°	20.3	24.3	28.2	34.0	46.3	58.3	69.8	92.5	114.5	135.5	157.5
-70°	17.0	19.1	22.3	25.6	28.9	34.3	44.6	54.5	64.0	76.1	93.9
-72.5°	14.0	15.8	17.6	19.3	22.1	24.9	27.6	30.2	36.0	43.9	51.5
-75°	11.2	12.5	14.0	15.5	17.0	18.3	19.8	22.1	24.2	26.2	28.2
-77.5°	8.5	9.7	10.8	11.8	12.9	14.1	15.2	16.2	17.3	18.3	19.2
-80°	6.3	6.8	7.6	8.5	9.3	10.1	10.9	11.6	12.4	13.1	13.8
-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: P1305365 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-1S-HEG-A

**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°	9.5	9.9	10.3	10.7	11.0	11.3	11.6	11.9	12.1	12.3	12.4
80°	14.5	15.2	15.8	16.4	16.9	17.4	17.8	18.2	18.6	18.8	19.1
77.5°	20.5	21.9	23.3	24.5	25.6	26.7	27.6	28.5	29.2	29.8	30.3
75°	30.0	32.9	38.2	43.2	47.8	52.0	55.7	59.1	62.0	64.4	66.5
72.5°	58.6	65.3	73.1	85.1	96.1	106.2	115.3	123.3	130.4	136.3	141.2
70°	110.7	126.5	141.4	156.9	174.1	189.8	203.9	216.5	227.4	236.8	244.4
67.5°	183.2	207.5	230.2	251.3	272.0	291.6	309.2	324.9	338.6	350.2	359.8
65°	270.2	300.0	327.9	353.9	378.1	404.5	428.4	449.6	468.1	483.8	496.8
62.5°	363.8	400.9	438.2	473.0	505.1	534.9	562.4	586.8	608.1	626.3	641.2
60°	473.0	516.7	559.0	598.6	635.2	668.7	696.8	721.8	743.7	762.4	777.8
57.5°	585.8	635.2	680.7	720.9	758.1	792.2	820.8	844.9	865.9	883.8	898.6
55°	696.8	746.6	793.4	833.2	868.6	901.1	926.9	935.4	942.9	949.3	954.6
52.5°	800.5	848.1	892.4	927.9	940.4	951.9	962.3	974.3	985.4	994.8	1002.6
50°	890.2	930.2	945.7	960.3	977.3	994.1	1009.4	1035.7	1070.8	1100.9	1125.8
47.5°	942.2	959.9	981.0	1002.2	1032.3	1085.6	1134.1	1217.6	1471.9	1689.9	1870.1
45°	972.3	997.9	1032.7	1099.4	1161.6	1494.0	1843.0	2156.4	2396.0	2596.6	2762.7
42.5°	1009.3	1075.0	1150.8	1515.4	1960.6	2345.5	2664.5	2951.7	3092.3	3137.7	3175.5
40°	1100.7	1271.4	1810.0	2300.3	2704.8	3066.2	3138.0	3202.8	3253.6	3283.3	3307.9
37.5°	1388.6	1989.3	2506.6	2967.3	3133.1	3217.3	3274.3	3316.4	3353.0	3363.1	3371.5
35°	2049.5	2610.9	3076.0	3178.6	3262.7	3317.1	3357.2	3371.4	3384.1	3347.9	3304.8
32.5°	2610.9	3087.3	3201.6	3284.1	3346.2	3368.9	3385.7	3319.4	3254.8	3173.3	3082.7
30°	3076.0	3201.6	3291.2	3355.3	3376.0	3345.7	3260.3	3141.4	3006.4	2909.4	2884.1
27.5°	3178.6	3284.1	3355.3	3378.4	3322.2	3221.9	3045.1	2907.8	2870.5	2837.7	2904.9
25°	3262.7	3346.2	3376.0	3322.2	3198.3	2996.0	2888.4	2843.6	2922.1	3009.6	3173.2
22.5°	3317.1	3368.9	3345.7	3221.9	2996.0	2881.8	2856.6	2974.7	3169.5	3425.2	4313.2
20°	3357.2	3385.7	3260.3	3045.1	2888.4	2856.6	2992.5	3269.6	3839.8	6009.6	8577.3
17.5°	3371.4	3319.4	3141.4	2907.8	2843.6	2974.7	3269.6	4254.5	6889.1	12600.8	18626.5
15°	3384.1	3254.8	3006.4	2870.5	2922.1	3169.5	3839.8	6889.1	13980.9	22803.5	32709.9
12.5°	3347.9	3173.3	2909.4	2837.7	3009.6	3425.2	6009.6	12600.8	22803.5	35116.0	55971.2
10°	3304.8	3082.7	2884.1	2904.9	3173.2	4313.2	8577.3	18626.5	32709.9	55971.2	84286.0
7.5°	3270.7	3010.8	2864.1	2958.9	3332.5	5681.0	12993.1	25771.1	45865.4	76495.6	118350.6
5°	3246.0	2958.7	2849.5	2998.3	3449.3	6689.4	16273.8	31261.1	58121.6	97212.6	153040.9
2.5°	3231.1	2927.1	2840.6	3022.3	3520.6	7308.0	18298.2	34676.6	65838.4	112149.3	178993.8
0°	3226.1	2916.5	2837.6	3030.4	3544.6	7516.6	18982.9	35837.1	68478.3	117817.0	188264.2
-2.5°	3231.1	2927.1	2840.6	3022.3	3520.6	7308.0	18298.2	34676.6	65838.4	112149.3	178993.8
-5°	3246.0	2958.7	2849.5	2998.3	3449.3	6689.4	16273.8	31261.1	58121.6	97212.6	153040.9
-7.5°	3270.7	3010.8	2864.1	2958.9	3332.5	5681.0	12993.1	25771.1	45865.4	76495.6	118350.6
-10°	3304.8	3082.7	2884.1	2904.9	3173.2	4313.2	8577.3	18626.5	32709.9	55971.2	84286.0
-12.5°	3347.9	3173.3	2909.4	2837.7	3009.6	3425.2	6009.6	12600.8	22803.5	35116.0	55971.2
-15°	3384.1	3254.8	3006.4	2870.5	2922.1	3169.5	3839.8	6889.1	13980.9	22803.5	32709.9
-17.5°	3371.4	3319.4	3141.4	2907.8	2843.6	2974.7	3269.6	4254.5	6889.1	12600.8	18626.5
-20°	3357.2	3385.7	3260.3	3045.1	2888.4	2856.6	2992.5	3269.6	3839.8	6009.6	8577.3



REPORT NUMBER: P1305365 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3317.1	3368.9	3345.7	3221.9	2996.0	2881.8	2856.6	2974.7	3169.5	3425.2	4313.2
-25°	3262.7	3346.2	3376.0	3322.2	3198.3	2996.0	2888.4	2843.6	2922.1	3009.6	3173.2
-27.5°	3178.6	3284.1	3355.3	3378.4	3322.2	3221.9	3045.1	2907.8	2870.5	2837.7	2904.9
-30°	3076.0	3201.6	3291.2	3355.3	3376.0	3345.7	3260.3	3141.4	3006.4	2909.4	2884.1
-32.5°	2610.9	3087.3	3201.6	3284.1	3346.2	3368.9	3385.7	3319.4	3254.8	3173.3	3082.7
-35°	2049.5	2610.9	3076.0	3178.6	3262.7	3317.1	3357.2	3371.4	3384.1	3347.9	3304.8
-37.5°	1388.6	1989.3	2506.6	2967.3	3133.1	3217.3	3274.3	3316.4	3353.0	3363.1	3371.5
-40°	1100.7	1271.4	1810.0	2300.3	2704.8	3066.2	3138.0	3202.8	3253.6	3283.3	3307.9
-42.5°	1009.3	1075.0	1150.8	1515.4	1960.6	2345.5	2664.5	2951.7	3092.3	3137.7	3175.5
-45°	972.3	997.9	1032.7	1099.4	1161.6	1494.0	1843.0	2156.4	2396.0	2596.6	2762.7
-47.5°	942.2	959.9	981.0	1002.2	1032.3	1085.6	1134.1	1217.6	1471.9	1689.9	1870.1
-50°	890.2	930.2	945.7	960.3	977.3	994.1	1009.4	1035.7	1070.8	1100.9	1125.8
-52.5°	800.5	848.1	892.4	927.9	940.4	951.9	962.3	974.3	985.4	994.8	1002.6
-55°	696.8	746.6	793.4	833.2	868.6	901.1	926.9	935.4	942.9	949.3	954.6
-57.5°	585.8	635.2	680.7	720.9	758.1	792.2	820.8	844.9	865.9	883.8	898.6
-60°	473.0	516.7	559.0	598.6	635.2	668.7	696.8	721.8	743.7	762.4	777.8
-62.5°	363.8	400.9	438.2	473.0	505.1	534.9	562.4	586.8	608.1	626.3	641.2
-65°	270.2	300.0	327.9	353.9	378.1	404.5	428.4	449.6	468.1	483.8	496.8
-67.5°	183.2	207.5	230.2	251.3	272.0	291.6	309.2	324.9	338.6	350.2	359.8
-70°	110.7	126.5	141.4	156.9	174.1	189.8	203.9	216.5	227.4	236.8	244.4
-72.5°	58.6	65.3	73.1	85.1	96.1	106.2	115.3	123.3	130.4	136.3	141.2
-75°	30.0	32.9	38.2	43.2	47.8	52.0	55.7	59.1	62.0	64.4	66.5
-77.5°	20.5	21.9	23.3	24.5	25.6	26.7	27.6	28.5	29.2	29.8	30.3
-80°	14.5	15.2	15.8	16.4	16.9	17.4	17.8	18.2	18.6	18.8	19.1
-82.5°	9.5	9.9	10.3	10.7	11.0	11.3	11.6	11.9	12.1	12.3	12.4
-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: P1305365 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-1S-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°	12.5	12.6	12.7	12.7	12.7	12.6	12.5	12.4	12.3	12.1	11.9
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°	30.7	31.0	31.1	31.2	31.1	31.0	30.7	30.3	29.8	29.2	28.5
75°	68.1	69.2	69.9	70.1	69.9	69.2	68.1	66.5	64.4	62.0	59.1
72.5°	145.1	147.8	149.5	150.0	149.5	147.8	145.1	141.2	136.3	130.4	123.3
70°	250.4	254.7	257.2	258.1	257.2	254.7	250.4	244.4	236.8	227.4	216.5
67.5°	367.3	372.6	375.8	376.9	375.8	372.6	367.3	359.8	350.2	338.6	324.9
65°	506.9	514.2	518.5	520.0	518.5	514.2	506.9	496.8	483.8	468.1	449.6
62.5°	652.9	661.3	666.3	668.0	666.3	661.3	652.9	641.2	626.3	608.1	586.8
60°	789.8	798.4	803.6	805.3	803.6	798.4	789.8	777.8	762.4	743.7	721.8
57.5°	910.2	918.4	923.4	925.1	923.4	918.4	910.2	898.6	883.8	865.9	844.9
55°	958.7	961.6	963.4	964.0	963.4	961.6	958.7	954.6	949.3	942.9	935.4
52.5°	1008.7	1013.1	1015.7	1016.6	1015.7	1013.1	1008.7	1002.6	994.8	985.4	974.3
50°	1145.3	1159.3	1167.7	1170.5	1167.7	1159.3	1145.3	1125.8	1100.9	1070.8	1035.7
47.5°	2011.5	2113.2	2174.4	2194.9	2174.4	2113.2	2011.5	1870.1	1689.9	1471.9	1217.6
45°	2893.1	2987.0	3043.6	3062.5	3043.6	2987.0	2893.1	2762.7	2596.6	2396.0	2156.4
42.5°	3205.1	3226.5	3239.4	3243.7	3239.4	3226.5	3205.1	3175.5	3137.7	3092.3	2951.7
40°	3327.4	3341.4	3349.9	3352.7	3349.9	3341.4	3327.4	3307.9	3283.3	3253.6	3202.8
37.5°	3378.1	3382.9	3385.8	3386.8	3385.8	3382.9	3378.1	3371.5	3363.1	3353.0	3316.4
35°	3270.7	3246.0	3231.1	3226.1	3231.1	3246.0	3270.7	3304.8	3347.9	3384.1	3371.4
32.5°	3010.8	2958.7	2927.1	2916.5	2927.1	2958.7	3010.8	3082.7	3173.3	3254.8	3319.4
30°	2864.1	2849.5	2840.6	2837.6	2840.6	2849.5	2864.1	2884.1	2909.4	3006.4	3141.4
27.5°	2958.9	2998.3	3022.3	3030.4	3022.3	2998.3	2958.9	2904.9	2837.7	2870.5	2907.8
25°	3332.5	3449.3	3520.6	3544.6	3520.6	3449.3	3332.5	3173.2	3009.6	2922.1	2843.6
22.5°	5681.0	6689.4	7308.0	7516.6	7308.0	6689.4	5681.0	4313.2	3425.2	3169.5	2974.7
20°	12993.1	16273.8	18298.2	18982.9	18298.2	16273.8	12993.1	8577.3	6009.6	3839.8	3269.6
17.5°	25771.1	31261.1	34676.6	35837.1	34676.6	31261.1	25771.1	18626.5	12600.8	6889.1	4254.5
15°	45865.4	58121.6	65838.4	68478.3	65838.4	58121.6	45865.4	32709.9	22803.5	13980.9	6889.1
12.5°	76495.6	97212.6	112149.3	117817.0	112149.3	97212.6	76495.6	55971.2	35116.0	22803.5	12600.8
10°	118350.6	153040.9	178993.8	188264.2	178993.8	153040.9	118350.6	84286.0	55971.2	32709.9	18626.5
7.5°	170269.5	216894.7	249656.1	260810.5	249656.1	216894.7	170269.5	118350.6	76495.6	45865.4	25771.1
5°	216894.7	272794.1	310183.1	324014.3	310183.1	272794.1	216894.7	153040.9	97212.6	58121.6	31261.1
2.5°	249656.1	310183.1	354548.1	375584.4	354548.1	310183.1	249656.1	178993.8	112149.3	65838.4	34676.6
0°	260810.5	324014.3	375584.4	406644.6	375584.4	324014.3	260810.5	188264.2	117817.0	68478.3	35837.1
-2.5°	249656.1	310183.1	354548.1	375584.4	354548.1	310183.1	249656.1	178993.8	112149.3	65838.4	34676.6
-5°	216894.7	272794.1	310183.1	324014.3	310183.1	272794.1	216894.7	153040.9	97212.6	58121.6	31261.1
-7.5°	170269.5	216894.7	249656.1	260810.5	249656.1	216894.7	170269.5	118350.6	76495.6	45865.4	25771.1
-10°	118350.6	153040.9	178993.8	188264.2	178993.8	153040.9	118350.6	84286.0	55971.2	32709.9	18626.5
-12.5°	76495.6	97212.6	112149.3	117817.0	112149.3	97212.6	76495.6	55971.2	35116.0	22803.5	12600.8
-15°	45865.4	58121.6	65838.4	68478.3	65838.4	58121.6	45865.4	32709.9	22803.5	13980.9	6889.1
-17.5°	25771.1	31261.1	34676.6	35837.1	34676.6	31261.1	25771.1	18626.5	12600.8	6889.1	4254.5
-20°	12993.1	16273.8	18298.2	18982.9	18298.2	16273.8	12993.1	8577.3	6009.6	3839.8	3269.6



REPORT NUMBER: P1305365 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5681.0	6689.4	7308.0	7516.6	7308.0	6689.4	5681.0	4313.2	3425.2	3169.5	2974.7
-25°	3332.5	3449.3	3520.6	3544.6	3520.6	3449.3	3332.5	3173.2	3009.6	2922.1	2843.6
-27.5°	2958.9	2998.3	3022.3	3030.4	3022.3	2998.3	2958.9	2904.9	2837.7	2870.5	2907.8
-30°	2864.1	2849.5	2840.6	2837.6	2840.6	2849.5	2864.1	2884.1	2909.4	3006.4	3141.4
-32.5°	3010.8	2958.7	2927.1	2916.5	2927.1	2958.7	3010.8	3082.7	3173.3	3254.8	3319.4
-35°	3270.7	3246.0	3231.1	3226.1	3231.1	3246.0	3270.7	3304.8	3347.9	3384.1	3371.4
-37.5°	3378.1	3382.9	3385.8	3386.8	3385.8	3382.9	3378.1	3371.5	3363.1	3353.0	3316.4
-40°	3327.4	3341.4	3349.9	3352.7	3349.9	3341.4	3327.4	3307.9	3283.3	3253.6	3202.8
-42.5°	3205.1	3226.5	3239.4	3243.7	3239.4	3226.5	3205.1	3175.5	3137.7	3092.3	2951.7
-45°	2893.1	2987.0	3043.6	3062.5	3043.6	2987.0	2893.1	2762.7	2596.6	2396.0	2156.4
-47.5°	2011.5	2113.2	2174.4	2194.9	2174.4	2113.2	2011.5	1870.1	1689.9	1471.9	1217.6
-50°	1145.3	1159.3	1167.7	1170.5	1167.7	1159.3	1145.3	1125.8	1100.9	1070.8	1035.7
-52.5°	1008.7	1013.1	1015.7	1016.6	1015.7	1013.1	1008.7	1002.6	994.8	985.4	974.3
-55°	958.7	961.6	963.4	964.0	963.4	961.6	958.7	954.6	949.3	942.9	935.4
-57.5°	910.2	918.4	923.4	925.1	923.4	918.4	910.2	898.6	883.8	865.9	844.9
-60°	789.8	798.4	803.6	805.3	803.6	798.4	789.8	777.8	762.4	743.7	721.8
-62.5°	652.9	661.3	666.3	668.0	666.3	661.3	652.9	641.2	626.3	608.1	586.8
-65°	506.9	514.2	518.5	520.0	518.5	514.2	506.9	496.8	483.8	468.1	449.6
-67.5°	367.3	372.6	375.8	376.9	375.8	372.6	367.3	359.8	350.2	338.6	324.9
-70°	250.4	254.7	257.2	258.1	257.2	254.7	250.4	244.4	236.8	227.4	216.5
-72.5°	145.1	147.8	149.5	150.0	149.5	147.8	145.1	141.2	136.3	130.4	123.3
-75°	68.1	69.2	69.9	70.1	69.9	69.2	68.1	66.5	64.4	62.0	59.1
-77.5°	30.7	31.0	31.1	31.2	31.1	31.0	30.7	30.3	29.8	29.2	28.5
-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	12.7	12.7	12.7	12.6	12.5	12.4	12.3	12.1	11.9
-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: P1305365 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-1S-HEG-A

**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°	11.6	11.3	11.0	10.7	10.3	9.9	9.5	9.0	8.5	8.0	7.5
80°	17.8	17.4	16.9	16.4	15.8	15.2	14.5	13.8	13.1	12.4	11.6
77.5°	27.6	26.7	25.6	24.5	23.3	21.9	20.5	19.2	18.3	17.3	16.2
75°	55.7	52.0	47.8	43.2	38.2	32.9	30.0	28.2	26.2	24.2	22.1
72.5°	115.3	106.2	96.1	85.1	73.1	65.3	58.6	51.5	43.9	36.0	30.2
70°	203.9	189.8	174.1	156.9	141.4	126.5	110.7	93.9	76.1	64.0	54.5
67.5°	309.2	291.6	272.0	251.3	230.2	207.5	183.2	157.5	135.5	114.5	92.5
65°	428.4	404.5	378.1	353.9	327.9	300.0	270.2	240.4	210.1	178.3	146.4
62.5°	562.4	534.9	505.1	473.0	438.2	400.9	363.8	328.9	292.1	253.9	217.3
60°	696.8	668.7	635.2	598.6	559.0	516.7	473.0	426.7	378.1	335.6	291.6
57.5°	820.8	792.2	758.1	720.9	680.7	635.2	585.8	533.7	480.2	424.8	368.8
55°	926.9	901.1	868.6	833.2	793.4	746.6	696.8	642.4	583.0	521.0	458.6
52.5°	962.3	951.9	940.4	927.9	892.4	848.1	800.5	743.7	684.3	618.8	549.4
50°	1009.4	994.1	977.3	960.3	945.7	930.2	890.2	837.0	777.8	711.3	640.4
47.5°	1134.1	1085.6	1032.3	1002.2	981.0	959.9	942.2	920.8	861.2	798.4	724.9
45°	1843.0	1494.0	1161.6	1099.4	1032.7	997.9	972.3	950.4	929.7	873.4	805.3
42.5°	2664.5	2345.5	1960.6	1515.4	1150.8	1075.0	1009.3	980.8	954.5	931.8	873.4
40°	3138.0	3066.2	2704.8	2300.3	1810.0	1271.4	1100.7	1015.1	983.6	954.5	929.7
37.5°	3274.3	3217.3	3133.1	2967.3	2506.6	1989.3	1388.6	1109.3	1015.1	980.8	950.4
35°	3357.2	3317.1	3262.7	3178.6	3076.0	2610.9	2049.5	1388.6	1100.7	1009.3	972.3
32.5°	3385.7	3368.9	3346.2	3284.1	3201.6	3087.3	2610.9	1989.3	1271.4	1075.0	997.9
30°	3260.3	3345.7	3376.0	3355.3	3291.2	3201.6	3076.0	2506.6	1810.0	1150.8	1032.7
27.5°	3045.1	3221.9	3322.2	3378.4	3355.3	3284.1	3178.6	2967.3	2300.3	1515.4	1099.4
25°	2888.4	2996.0	3198.3	3322.2	3376.0	3346.2	3262.7	3133.1	2704.8	1960.6	1161.6
22.5°	2856.6	2881.8	2996.0	3221.9	3345.7	3368.9	3317.1	3217.3	3066.2	2345.5	1494.0
20°	2992.5	2856.6	2888.4	3045.1	3260.3	3385.7	3357.2	3274.3	3138.0	2664.5	1843.0
17.5°	3269.6	2974.7	2843.6	2907.8	3141.4	3319.4	3371.4	3316.4	3202.8	2951.7	2156.4
15°	3839.8	3169.5	2922.1	2870.5	3006.4	3254.8	3384.1	3353.0	3253.6	3092.3	2396.0
12.5°	6009.6	3425.2	3009.6	2837.7	2909.4	3173.3	3347.9	3363.1	3283.3	3137.7	2596.6
10°	8577.3	4313.2	3173.2	2904.9	2884.1	3082.7	3304.8	3371.5	3307.9	3175.5	2762.7
7.5°	12993.1	5681.0	3332.5	2958.9	2864.1	3010.8	3270.7	3378.1	3327.4	3205.1	2893.1
5°	16273.8	6689.4	3449.3	2998.3	2849.5	2958.7	3246.0	3382.9	3341.4	3226.5	2987.0
2.5°	18298.2	7308.0	3520.6	3022.3	2840.6	2927.1	3231.1	3385.8	3349.9	3239.4	3043.6
0°	18982.9	7516.6	3544.6	3030.4	2837.6	2916.5	3226.1	3386.8	3352.7	3243.7	3062.5
-2.5°	18298.2	7308.0	3520.6	3022.3	2840.6	2927.1	3231.1	3385.8	3349.9	3239.4	3043.6
-5°	16273.8	6689.4	3449.3	2998.3	2849.5	2958.7	3246.0	3382.9	3341.4	3226.5	2987.0
-7.5°	12993.1	5681.0	3332.5	2958.9	2864.1	3010.8	3270.7	3378.1	3327.4	3205.1	2893.1
-10°	8577.3	4313.2	3173.2	2904.9	2884.1	3082.7	3304.8	3371.5	3307.9	3175.5	2762.7
-12.5°	6009.6	3425.2	3009.6	2837.7	2909.4	3173.3	3347.9	3363.1	3283.3	3137.7	2596.6
-15°	3839.8	3169.5	2922.1	2870.5	3006.4	3254.8	3384.1	3353.0	3253.6	3092.3	2396.0
-17.5°	3269.6	2974.7	2843.6	2907.8	3141.4	3319.4	3371.4	3316.4	3202.8	2951.7	2156.4
-20°	2992.5	2856.6	2888.4	3045.1	3260.3	3385.7	3357.2	3274.3	3138.0	2664.5	1843.0



REPORT NUMBER: P1305365 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	2856.6	2881.8	2996.0	3221.9	3345.7	3368.9	3317.1	3217.3	3066.2	2345.5	1494.0
-25°	2888.4	2996.0	3198.3	3322.2	3376.0	3346.2	3262.7	3133.1	2704.8	1960.6	1161.6
-27.5°	3045.1	3221.9	3322.2	3378.4	3355.3	3284.1	3178.6	2967.3	2300.3	1515.4	1099.4
-30°	3260.3	3345.7	3376.0	3355.3	3291.2	3201.6	3076.0	2506.6	1810.0	1150.8	1032.7
-32.5°	3385.7	3368.9	3346.2	3284.1	3201.6	3087.3	2610.9	1989.3	1271.4	1075.0	997.9
-35°	3357.2	3317.1	3262.7	3178.6	3076.0	2610.9	2049.5	1388.6	1100.7	1009.3	972.3
-37.5°	3274.3	3217.3	3133.1	2967.3	2506.6	1989.3	1388.6	1109.3	1015.1	980.8	950.4
-40°	3138.0	3066.2	2704.8	2300.3	1810.0	1271.4	1100.7	1015.1	983.6	954.5	929.7
-42.5°	2664.5	2345.5	1960.6	1515.4	1150.8	1075.0	1009.3	980.8	954.5	931.8	873.4
-45°	1843.0	1494.0	1161.6	1099.4	1032.7	997.9	972.3	950.4	929.7	873.4	805.3
-47.5°	1134.1	1085.6	1032.3	1002.2	981.0	959.9	942.2	920.8	861.2	798.4	724.9
-50°	1009.4	994.1	977.3	960.3	945.7	930.2	890.2	837.0	777.8	711.3	640.4
-52.5°	962.3	951.9	940.4	927.9	892.4	848.1	800.5	743.7	684.3	618.8	549.4
-55°	926.9	901.1	868.6	833.2	793.4	746.6	696.8	642.4	583.0	521.0	458.6
-57.5°	820.8	792.2	758.1	720.9	680.7	635.2	585.8	533.7	480.2	424.8	368.8
-60°	696.8	668.7	635.2	598.6	559.0	516.7	473.0	426.7	378.1	335.6	291.6
-62.5°	562.4	534.9	505.1	473.0	438.2	400.9	363.8	328.9	292.1	253.9	217.3
-65°	428.4	404.5	378.1	353.9	327.9	300.0	270.2	240.4	210.1	178.3	146.4
-67.5°	309.2	291.6	272.0	251.3	230.2	207.5	183.2	157.5	135.5	114.5	92.5
-70°	203.9	189.8	174.1	156.9	141.4	126.5	110.7	93.9	76.1	64.0	54.5
-72.5°	115.3	106.2	96.1	85.1	73.1	65.3	58.6	51.5	43.9	36.0	30.2
-75°	55.7	52.0	47.8	43.2	38.2	32.9	30.0	28.2	26.2	24.2	22.1
-77.5°	27.6	26.7	25.6	24.5	23.3	21.9	20.5	19.2	18.3	17.3	16.2
-80°	17.8	17.4	16.9	16.4	15.8	15.2	14.5	13.8	13.1	12.4	11.6
-82.5°	11.6	11.3	11.0	10.7	10.3	9.9	9.5	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: P1305365 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-1S-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°	10.9	10.1	9.3	8.5	7.6	6.8	6.3	5.9	5.4	4.9	4.5
77.5°	15.2	14.1	12.9	11.8	10.8	9.7	8.5	7.4	6.5	5.9	5.3
75°	19.8	18.3	17.0	15.5	14.0	12.5	11.2	9.8	8.4	7.0	6.2
72.5°	27.6	24.9	22.1	19.3	17.6	15.8	14.0	12.2	10.6	8.9	7.2
70°	44.6	34.3	28.9	25.6	22.3	19.1	17.0	14.9	12.8	10.9	8.9
67.5°	69.8	58.3	46.3	34.0	28.2	24.3	20.3	17.6	15.2	12.8	10.6
65°	120.9	94.5	68.7	55.0	40.9	29.8	25.4	20.9	17.6	14.9	12.2
62.5°	179.3	142.5	112.5	81.5	60.2	44.4	30.3	25.4	20.3	17.0	14.0
60°	247.0	203.9	159.6	123.3	88.8	62.0	44.4	29.8	24.3	19.1	15.8
57.5°	319.1	267.8	218.8	169.4	127.0	88.8	60.2	40.9	28.2	22.3	17.6
55°	394.0	335.8	278.8	223.8	169.4	123.3	81.5	55.0	34.0	25.6	19.3
52.5°	479.1	407.6	341.4	278.8	218.8	159.6	112.5	68.7	46.3	28.9	22.1
50°	563.7	485.9	407.6	335.8	267.8	203.9	142.5	94.5	58.3	34.3	24.9
47.5°	647.7	563.7	479.1	394.0	319.1	247.0	179.3	120.9	69.8	44.6	27.6
45°	724.9	640.4	549.4	458.6	368.8	291.6	217.3	146.4	92.5	54.5	30.2
42.5°	798.4	711.3	618.8	521.0	424.8	335.6	253.9	178.3	114.5	64.0	36.0
40°	861.2	777.8	684.3	583.0	480.2	378.1	292.1	210.1	135.5	76.1	43.9
37.5°	920.8	837.0	743.7	642.4	533.7	426.7	328.9	240.4	157.5	93.9	51.5
35°	942.2	890.2	800.5	696.8	585.8	473.0	363.8	270.2	183.2	110.7	58.6
32.5°	959.9	930.2	848.1	746.6	635.2	516.7	400.9	300.0	207.5	126.5	65.3
30°	981.0	945.7	892.4	793.4	680.7	559.0	438.2	327.9	230.2	141.4	73.1
27.5°	1002.2	960.3	927.9	833.2	720.9	598.6	473.0	353.9	251.3	156.9	85.1
25°	1032.3	977.3	940.4	868.6	758.1	635.2	505.1	378.1	272.0	174.1	96.1
22.5°	1085.6	994.1	951.9	901.1	792.2	668.7	534.9	404.5	291.6	189.8	106.2
20°	1134.1	1009.4	962.3	926.9	820.8	696.8	562.4	428.4	309.2	203.9	115.3
17.5°	1217.6	1035.7	974.3	935.4	844.9	721.8	586.8	449.6	324.9	216.5	123.3
15°	1471.9	1070.8	985.4	942.9	865.9	743.7	608.1	468.1	338.6	227.4	130.4
12.5°	1689.9	1100.9	994.8	949.3	883.8	762.4	626.3	483.8	350.2	236.8	136.3
10°	1870.1	1125.8	1002.6	954.6	898.6	777.8	641.2	496.8	359.8	244.4	141.2
7.5°	2011.5	1145.3	1008.7	958.7	910.2	789.8	652.9	506.9	367.3	250.4	145.1
5°	2113.2	1159.3	1013.1	961.6	918.4	798.4	661.3	514.2	372.6	254.7	147.8
2.5°	2174.4	1167.7	1015.7	963.4	923.4	803.6	666.3	518.5	375.8	257.2	149.5
0°	2194.9	1170.5	1016.6	964.0	925.1	805.3	668.0	520.0	376.9	258.1	150.0
-2.5°	2174.4	1167.7	1015.7	963.4	923.4	803.6	666.3	518.5	375.8	257.2	149.5
-5°	2113.2	1159.3	1013.1	961.6	918.4	798.4	661.3	514.2	372.6	254.7	147.8
-7.5°	2011.5	1145.3	1008.7	958.7	910.2	789.8	652.9	506.9	367.3	250.4	145.1
-10°	1870.1	1125.8	1002.6	954.6	898.6	777.8	641.2	496.8	359.8	244.4	141.2
-12.5°	1689.9	1100.9	994.8	949.3	883.8	762.4	626.3	483.8	350.2	236.8	136.3
-15°	1471.9	1070.8	985.4	942.9	865.9	743.7	608.1	468.1	338.6	227.4	130.4
-17.5°	1217.6	1035.7	974.3	935.4	844.9	721.8	586.8	449.6	324.9	216.5	123.3
-20°	1134.1	1009.4	962.3	926.9	820.8	696.8	562.4	428.4	309.2	203.9	115.3



REPORT NUMBER: P1305365 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1085.6	994.1	951.9	901.1	792.2	668.7	534.9	404.5	291.6	189.8	106.2
-25°	1032.3	977.3	940.4	868.6	758.1	635.2	505.1	378.1	272.0	174.1	96.1
-27.5°	1002.2	960.3	927.9	833.2	720.9	598.6	473.0	353.9	251.3	156.9	85.1
-30°	981.0	945.7	892.4	793.4	680.7	559.0	438.2	327.9	230.2	141.4	73.1
-32.5°	959.9	930.2	848.1	746.6	635.2	516.7	400.9	300.0	207.5	126.5	65.3
-35°	942.2	890.2	800.5	696.8	585.8	473.0	363.8	270.2	183.2	110.7	58.6
-37.5°	920.8	837.0	743.7	642.4	533.7	426.7	328.9	240.4	157.5	93.9	51.5
-40°	861.2	777.8	684.3	583.0	480.2	378.1	292.1	210.1	135.5	76.1	43.9
-42.5°	798.4	711.3	618.8	521.0	424.8	335.6	253.9	178.3	114.5	64.0	36.0
-45°	724.9	640.4	549.4	458.6	368.8	291.6	217.3	146.4	92.5	54.5	30.2
-47.5°	647.7	563.7	479.1	394.0	319.1	247.0	179.3	120.9	69.8	44.6	27.6
-50°	563.7	485.9	407.6	335.8	267.8	203.9	142.5	94.5	58.3	34.3	24.9
-52.5°	479.1	407.6	341.4	278.8	218.8	159.6	112.5	68.7	46.3	28.9	22.1
-55°	394.0	335.8	278.8	223.8	169.4	123.3	81.5	55.0	34.0	25.6	19.3
-57.5°	319.1	267.8	218.8	169.4	127.0	88.8	60.2	40.9	28.2	22.3	17.6
-60°	247.0	203.9	159.6	123.3	88.8	62.0	44.4	29.8	24.3	19.1	15.8
-62.5°	179.3	142.5	112.5	81.5	60.2	44.4	30.3	25.4	20.3	17.0	14.0
-65°	120.9	94.5	68.7	55.0	40.9	29.8	25.4	20.9	17.6	14.9	12.2
-67.5°	69.8	58.3	46.3	34.0	28.2	24.3	20.3	17.6	15.2	12.8	10.6
-70°	44.6	34.3	28.9	25.6	22.3	19.1	17.0	14.9	12.8	10.9	8.9
-72.5°	27.6	24.9	22.1	19.3	17.6	15.8	14.0	12.2	10.6	8.9	7.2
-75°	19.8	18.3	17.0	15.5	14.0	12.5	11.2	9.8	8.4	7.0	6.2
-77.5°	15.2	14.1	12.9	11.8	10.8	9.7	8.5	7.4	6.5	5.9	5.3
-80°	10.9	10.1	9.3	8.5	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



REPORT NUMBER: P1305365 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-1S-HEG-A

**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°	9.8	7.4	5.9	4.7	3.3	1.6	0.0
62.5°	11.2	8.5	6.3	5.0	3.6	1.8	0.0
60°	12.5	9.7	6.8	5.3	3.9	1.9	0.0
57.5°	14.0	10.8	7.6	5.7	4.1	2.1	0.0
55°	15.5	11.8	8.5	6.0	4.3	2.2	0.0
52.5°	17.0	12.9	9.3	6.3	4.5	2.4	0.0
50°	18.3	14.1	10.1	6.6	4.7	2.5	0.0
47.5°	19.8	15.2	10.9	6.9	4.9	2.6	0.0
45°	22.1	16.2	11.6	7.5	5.1	2.8	0.0
42.5°	24.2	17.3	12.4	8.0	5.3	2.9	0.0
40°	26.2	18.3	13.1	8.5	5.4	3.0	0.0
37.5°	28.2	19.2	13.8	9.0	5.6	3.1	0.0
35°	30.0	20.5	14.5	9.5	5.7	3.2	0.0
32.5°	32.9	21.9	15.2	9.9	5.9	3.3	0.0
30°	38.2	23.3	15.8	10.3	6.0	3.4	0.0
27.5°	43.2	24.5	16.4	10.7	6.1	3.5	0.0
25°	47.8	25.6	16.9	11.0	6.3	3.5	0.0
22.5°	52.0	26.7	17.4	11.3	6.4	3.6	0.0
20°	55.7	27.6	17.8	11.6	6.4	3.7	0.0
17.5°	59.1	28.5	18.2	11.9	6.5	3.7	0.0
15°	62.0	29.2	18.6	12.1	6.6	3.8	0.0
12.5°	64.4	29.8	18.8	12.3	6.7	3.8	0.0
10°	66.5	30.3	19.1	12.4	6.7	3.8	0.0
7.5°	68.1	30.7	19.3	12.5	6.8	3.9	0.0
5°	69.2	31.0	19.4	12.6	6.8	3.9	0.0
2.5°	69.9	31.1	19.5	12.7	6.8	3.9	0.0
0°	70.1	31.2	19.5	12.7	6.8	3.9	0.0
-2.5°	69.9	31.1	19.5	12.7	6.8	3.9	0.0
-5°	69.2	31.0	19.4	12.6	6.8	3.9	0.0
-7.5°	68.1	30.7	19.3	12.5	6.8	3.9	0.0
-10°	66.5	30.3	19.1	12.4	6.7	3.8	0.0
-12.5°	64.4	29.8	18.8	12.3	6.7	3.8	0.0
-15°	62.0	29.2	18.6	12.1	6.6	3.8	0.0
-17.5°	59.1	28.5	18.2	11.9	6.5	3.7	0.0
-20°	55.7	27.6	17.8	11.6	6.4	3.7	0.0



REPORT NUMBER: P1305365 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	52.0	26.7	17.4	11.3	6.4	3.6	0.0
-25°	47.8	25.6	16.9	11.0	6.3	3.5	0.0
-27.5°	43.2	24.5	16.4	10.7	6.1	3.5	0.0
-30°	38.2	23.3	15.8	10.3	6.0	3.4	0.0
-32.5°	32.9	21.9	15.2	9.9	5.9	3.3	0.0
-35°	30.0	20.5	14.5	9.5	5.7	3.2	0.0
-37.5°	28.2	19.2	13.8	9.0	5.6	3.1	0.0
-40°	26.2	18.3	13.1	8.5	5.4	3.0	0.0
-42.5°	24.2	17.3	12.4	8.0	5.3	2.9	0.0
-45°	22.1	16.2	11.6	7.5	5.1	2.8	0.0
-47.5°	19.8	15.2	10.9	6.9	4.9	2.6	0.0
-50°	18.3	14.1	10.1	6.6	4.7	2.5	0.0
-52.5°	17.0	12.9	9.3	6.3	4.5	2.4	0.0
-55°	15.5	11.8	8.5	6.0	4.3	2.2	0.0
-57.5°	14.0	10.8	7.6	5.7	4.1	2.1	0.0
-60°	12.5	9.7	6.8	5.3	3.9	1.9	0.0
-62.5°	11.2	8.5	6.3	5.0	3.6	1.8	0.0
-65°	9.8	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)