

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: P1305409 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-57-80-3S-HEG-A**

Issue Date: 2/3/2026

Test Information

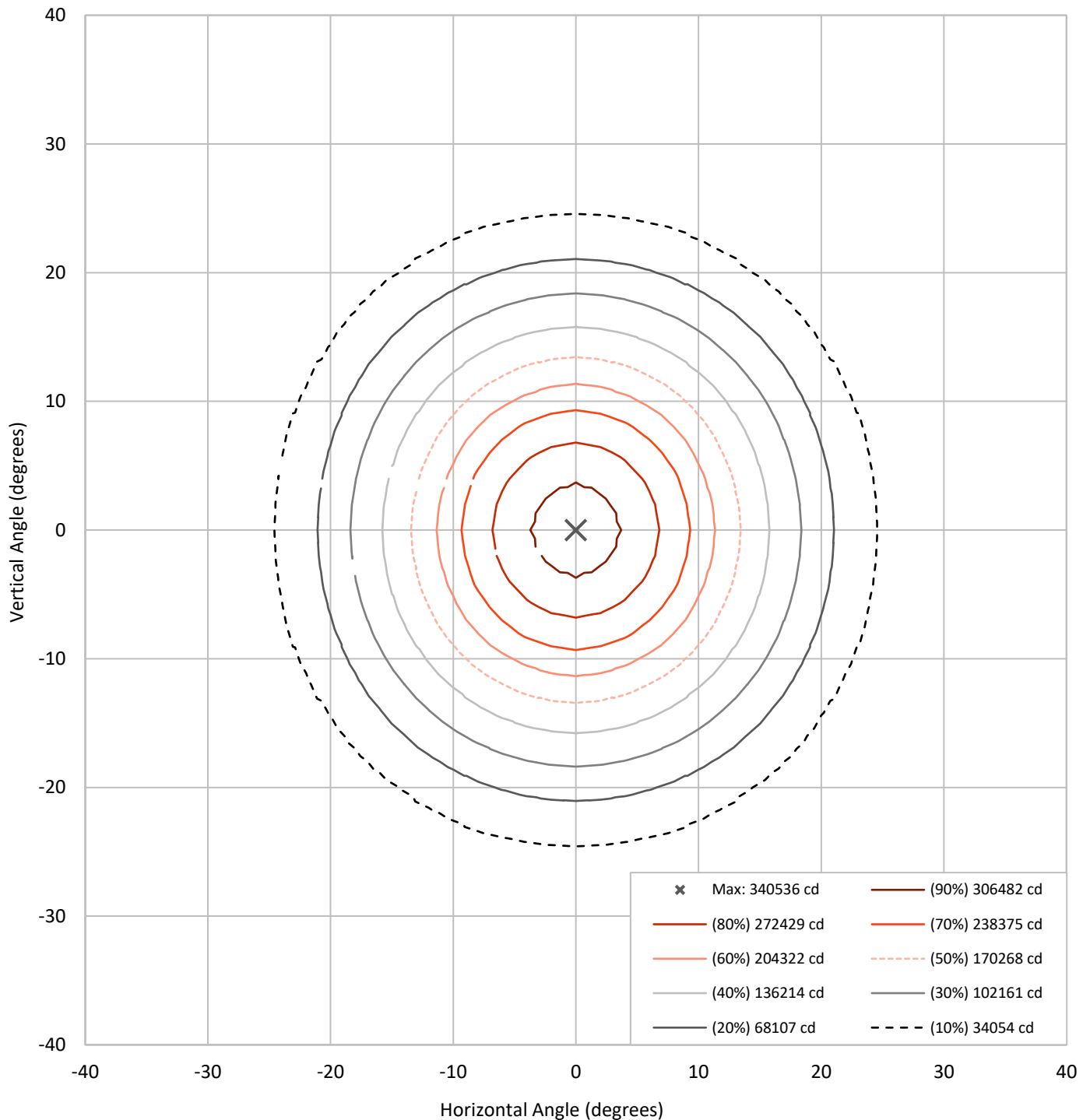
Test Method: LM-79-08
Report Number: P1305409 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-3)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-640L-57-80-3S-HEG-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	91974.2 lumens	Max Intensity:	340536 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	141.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	26.9°H x 26.9°V	Field Angle (10%):	48.9°H x 48.9°V
Beam Lumens:	39878.6 lumens	Field Lumens:	76347.7 lumens
Beam Efficiency:	43.4%	Field Efficiency:	83.0%
Input Watts (W):	648		
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





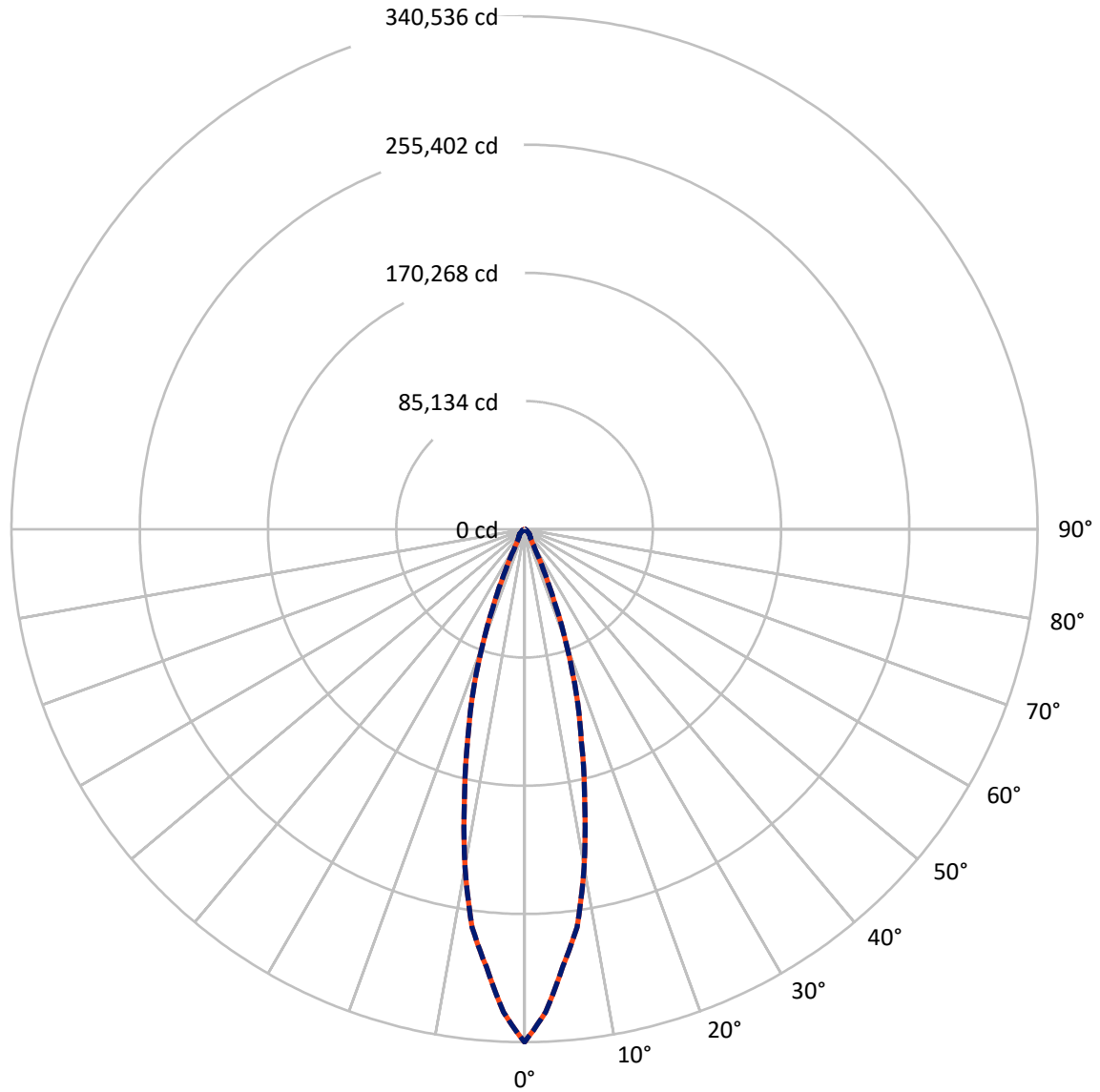
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Lumen Table

90	0.1	0.8		3.2		8.3		11.1		8.3		3.2		0.8		0.1
80	0.1	0.8		3.2		8.3		11.1		8.3		3.2		0.8		0.1
70	0.4	0.5	2.0	6.1	12.0	18.2	23.4	26.2	26.2	23.4	18.2	12.0	6.1	2.0	0.5	0.4
60		1.5	7.1	16.8	28.7	41.0	50.9	56.2	56.2	50.9	41.0	28.7	16.8	7.1	1.5	
50	1.1	3.8	13.7	29.1	48.2	75.8	108.6	127.4	127.4	108.6	75.8	48.2	29.1	13.7	3.8	1.1
40		6.4	20.3	41.7	85.0	140.0	180.1	211.6	211.6	180.1	140.0	85.0	41.7	20.3	6.4	
30	2.5	8.8	26.3	59.7	126.8	200.7	464.0	954.3	954.3	464.0	200.7	126.8	59.7	26.3	8.8	2.5
20		10.5	30.6	80.4	153.2	438.0	2029.9	4064.9	4064.9	2029.9	438.0	153.2	80.4	30.6	10.5	
10	3.1	11.4	32.7	91.3	174.9	878.5	3953.7	7797.5	7797.5	3953.7	878.5	174.9	91.3	32.7	11.4	3.1
0		11.4	32.7	91.3	174.9	878.5	3953.7	7797.5	7797.5	3953.7	878.5	174.9	91.3	32.7	11.4	
-10	2.5	10.5	30.6	80.4	153.2	438.0	2029.9	4064.9	4064.9	2029.9	438.0	153.2	80.4	30.6	10.5	2.5
-20		8.8	26.3	59.7	126.8	200.7	464.0	954.3	954.3	464.0	200.7	126.8	59.7	26.3	8.8	
-30	1.1	6.4	20.3	41.7	85.0	140.0	180.1	211.6	211.6	180.1	140.0	85.0	41.7	20.3	6.4	1.1
-40		3.8	13.7	29.1	48.2	75.8	108.6	127.4	127.4	108.6	75.8	48.2	29.1	13.7	3.8	
-50	0.4	1.5	7.1	16.8	28.7	41.0	50.9	56.2	56.2	50.9	41.0	28.7	16.8	7.1	1.5	0.4
-60		0.5	2.0	6.1	12.0	18.2	23.4	26.2	26.2	23.4	18.2	12.0	6.1	2.0	0.5	
-70	0.1	0.8		3.2		8.3		11.1		8.3		3.2		0.8		0.1
-80		0.8		3.2		8.3		11.1		8.3		3.2		0.8		
-90	0.1	0.8		3.2		8.3		11.1		8.3		3.2		0.8		0.1

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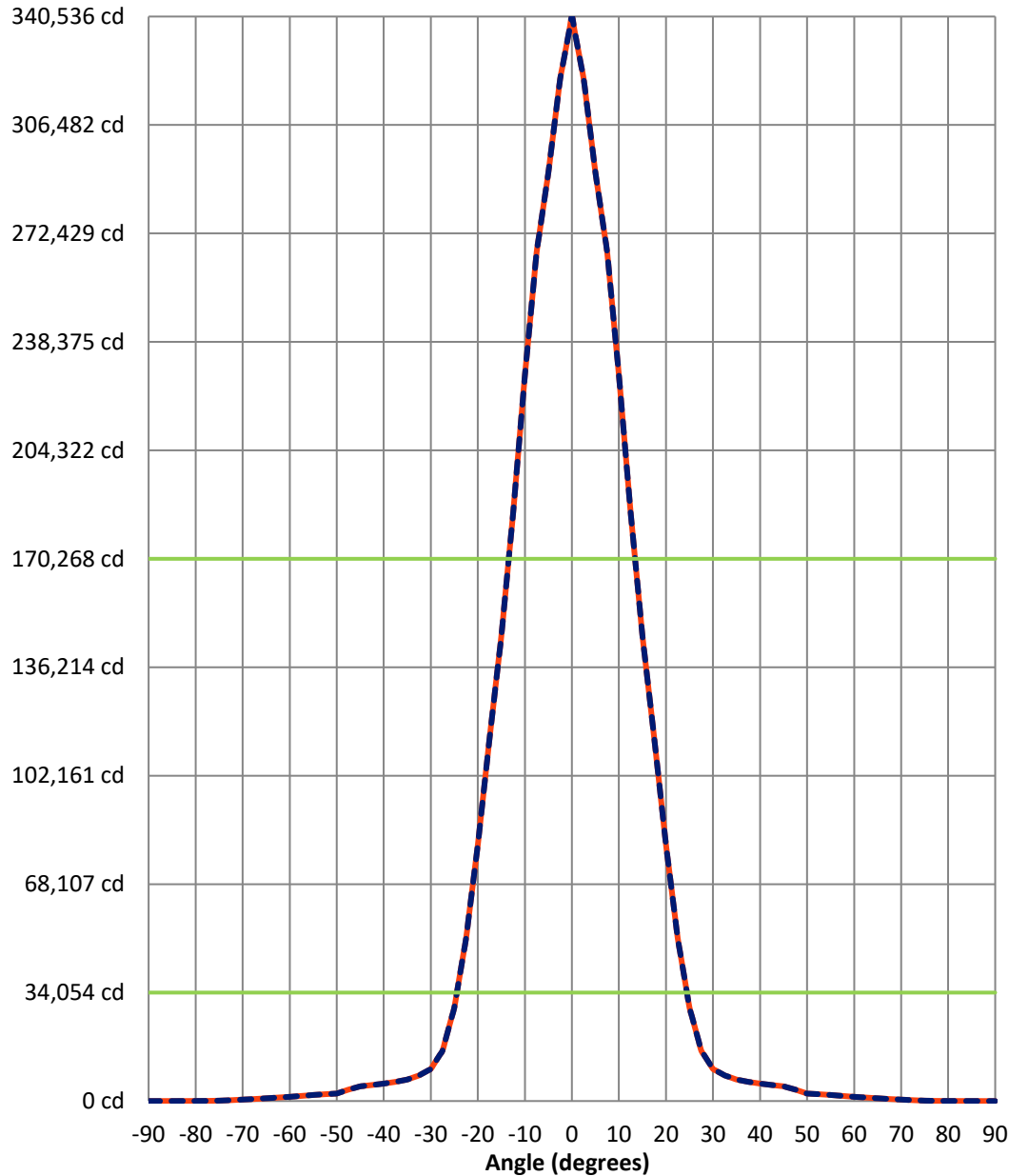
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 26.9°
 V Angle: 26.9°
 Lumens: 39878.6
 Efficiency: 43.4%

Field:
 H Angle: 48.9°
 V Angle: 48.9°
 Lumens: 76347.7
 Efficiency: 83.0%

Spill:
 Lumens: 15626.6
 Efficiency: 17.0%

- 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	1.1	1.3	1.6	1.9	2.1	2.4	2.6
85°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.2	4.7	5.2
82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.3	6.9	7.4
80°	0.0	1.1	2.2	3.2	4.3	5.3	6.3	7.1	7.9	8.6	9.3
77.5°	0.0	1.3	2.7	4.0	5.3	6.5	7.5	8.5	9.4	10.3	11.6
75°	0.0	1.6	3.2	4.8	6.3	7.5	8.7	9.8	11.0	12.9	14.8
72.5°	0.0	1.9	3.7	5.6	7.1	8.5	9.8	11.4	13.6	15.8	18.0
70°	0.0	2.1	4.2	6.3	7.9	9.4	11.0	13.6	16.2	18.7	22.1
67.5°	0.0	2.4	4.7	6.9	8.6	10.3	12.9	15.8	18.7	22.6	26.4
65°	0.0	2.6	5.2	7.4	9.3	11.6	14.8	18.0	22.1	26.4	31.9
62.5°	0.0	2.9	5.7	8.0	10.1	13.1	16.6	20.7	25.5	30.9	40.3
60°	0.0	3.1	6.2	8.5	10.8	14.6	18.4	23.6	28.7	38.3	48.5
57.5°	0.0	3.3	6.5	9.0	11.9	16.0	20.7	26.4	34.5	45.6	69.7
55°	0.0	3.6	6.9	9.5	13.0	17.4	23.1	29.1	40.8	56.4	96.5
52.5°	0.0	3.8	7.2	10.0	14.1	18.9	25.4	34.2	46.9	80.0	122.7
50°	0.0	4.0	7.5	10.5	15.2	20.7	27.6	39.3	57.0	102.8	170.2
47.5°	0.0	4.2	7.8	11.0	16.2	22.5	30.0	44.3	76.7	124.9	218.9
45°	0.0	4.4	8.1	11.7	17.2	24.2	34.1	49.2	95.5	166.6	265.8
42.5°	0.0	4.6	8.4	12.4	18.1	25.9	38.1	60.3	113.7	207.0	321.0
40°	0.0	4.7	8.6	13.1	19.2	27.4	41.9	75.4	136.5	245.8	375.6
37.5°	0.0	4.9	8.9	13.7	20.4	28.9	45.5	89.8	169.2	285.3	427.6
35°	0.0	5.1	9.1	14.4	21.5	31.2	48.8	103.4	200.1	329.5	476.5
32.5°	0.0	5.2	9.4	14.9	22.6	33.9	54.3	116.2	229.2	371.2	521.9
30°	0.0	5.4	9.6	15.5	23.6	36.4	64.5	131.0	256.5	410.2	564.5
27.5°	0.0	5.5	9.8	15.9	24.5	38.7	74.0	153.0	284.3	446.4	604.1
25°	0.0	5.6	9.9	16.4	25.3	40.8	82.8	173.3	313.8	479.4	641.1
22.5°	0.0	5.7	10.1	16.8	26.1	42.7	90.8	191.8	340.8	509.2	683.4
20°	0.0	5.8	10.2	17.2	26.8	44.5	97.9	208.5	365.0	536.0	721.5
17.5°	0.0	5.9	10.4	17.5	27.4	46.0	104.3	223.3	386.6	559.9	755.5
15°	0.0	6.0	10.5	17.8	27.9	47.3	109.9	236.3	405.4	580.8	785.1
12.5°	0.0	6.1	10.6	18.0	28.4	48.5	114.6	247.3	421.4	598.5	810.3
10°	0.0	6.1	10.7	18.2	28.7	49.4	118.5	256.3	434.6	613.1	831.1
7.5°	0.0	6.1	10.7	18.4	29.0	50.2	121.5	263.3	444.9	624.5	847.3
5°	0.0	6.2	10.8	18.5	29.2	50.7	123.7	268.4	452.2	632.7	858.9
2.5°	0.0	6.2	10.8	18.6	29.4	51.0	125.0	271.4	456.6	637.6	865.9
0°	0.0	6.2	10.8	18.6	29.4	51.1	125.4	272.4	458.1	639.2	868.2
-2.5°	0.0	6.2	10.8	18.6	29.4	51.0	125.0	271.4	456.6	637.6	865.9
-5°	0.0	6.2	10.8	18.5	29.2	50.7	123.7	268.4	452.2	632.7	858.9
-7.5°	0.0	6.1	10.7	18.4	29.0	50.2	121.5	263.3	444.9	624.5	847.3
-10°	0.0	6.1	10.7	18.2	28.7	49.4	118.5	256.3	434.6	613.1	831.1
-12.5°	0.0	6.1	10.6	18.0	28.4	48.5	114.6	247.3	421.4	598.5	810.3
-15°	0.0	6.0	10.5	17.8	27.9	47.3	109.9	236.3	405.4	580.8	785.1
-17.5°	0.0	5.9	10.4	17.5	27.4	46.0	104.3	223.3	386.6	559.9	755.5
-20°	0.0	5.8	10.2	17.2	26.8	44.5	97.9	208.5	365.0	536.0	721.5



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 CATALOG NUMBER: EPH-08-640L-57-80-3S-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	5.7	10.1	16.8	26.1	42.7	90.8	191.8	340.8	509.2	683.4
-25°	0.0	5.6	9.9	16.4	25.3	40.8	82.8	173.3	313.8	479.4	641.1
-27.5°	0.0	5.5	9.8	15.9	24.5	38.7	74.0	153.0	284.3	446.4	604.1
-30°	0.0	5.4	9.6	15.5	23.6	36.4	64.5	131.0	256.5	410.2	564.5
-32.5°	0.0	5.2	9.4	14.9	22.6	33.9	54.3	116.2	229.2	371.2	521.9
-35°	0.0	5.1	9.1	14.4	21.5	31.2	48.8	103.4	200.1	329.5	476.5
-37.5°	0.0	4.9	8.9	13.7	20.4	28.9	45.5	89.8	169.2	285.3	427.6
-40°	0.0	4.7	8.6	13.1	19.2	27.4	41.9	75.4	136.5	245.8	375.6
-42.5°	0.0	4.6	8.4	12.4	18.1	25.9	38.1	60.3	113.7	207.0	321.0
-45°	0.0	4.4	8.1	11.7	17.2	24.2	34.1	49.2	95.5	166.6	265.8
-47.5°	0.0	4.2	7.8	11.0	16.2	22.5	30.0	44.3	76.7	124.9	218.9
-50°	0.0	4.0	7.5	10.5	15.2	20.7	27.6	39.3	57.0	102.8	170.2
-52.5°	0.0	3.8	7.2	10.0	14.1	18.9	25.4	34.2	46.9	80.0	122.7
-55°	0.0	3.6	6.9	9.5	13.0	17.4	23.1	29.1	40.8	56.4	96.5
-57.5°	0.0	3.3	6.5	9.0	11.9	16.0	20.7	26.4	34.5	45.6	69.7
-60°	0.0	3.1	6.2	8.5	10.8	14.6	18.4	23.6	28.7	38.3	48.5
-62.5°	0.0	2.9	5.7	8.0	10.1	13.1	16.6	20.7	25.5	30.9	40.3
-65°	0.0	2.6	5.2	7.4	9.3	11.6	14.8	18.0	22.1	26.4	31.9
-67.5°	0.0	2.4	4.7	6.9	8.6	10.3	12.9	15.8	18.7	22.6	26.4
-70°	0.0	2.1	4.2	6.3	7.9	9.4	11.0	13.6	16.2	18.7	22.1
-72.5°	0.0	1.9	3.7	5.6	7.1	8.5	9.8	11.4	13.6	15.8	18.0
-75°	0.0	1.6	3.2	4.8	6.3	7.5	8.7	9.8	11.0	12.9	14.8
-77.5°	0.0	1.3	2.7	4.0	5.3	6.5	7.5	8.5	9.4	10.3	11.6
-80°	0.0	1.1	2.2	3.2	4.3	5.3	6.3	7.1	7.9	8.6	9.3
-82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.3	6.9	7.4
-85°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.2	4.7	5.2
-87.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
-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: P1305409 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-3S-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°	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6	4.7	4.9
85°	5.7	6.2	6.5	6.9	7.2	7.5	7.8	8.1	8.4	8.6	8.9
82.5°	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.7	12.4	13.1	13.7
80°	10.1	10.8	11.9	13.0	14.1	15.2	16.2	17.2	18.1	19.2	20.4
77.5°	13.1	14.6	16.0	17.4	18.9	20.7	22.5	24.2	25.9	27.4	28.9
75°	16.6	18.4	20.7	23.1	25.4	27.6	30.0	34.1	38.1	41.9	45.5
72.5°	20.7	23.6	26.4	29.1	34.2	39.3	44.3	49.2	60.3	75.4	89.8
70°	25.5	28.7	34.5	40.8	46.9	57.0	76.7	95.5	113.7	136.5	169.2
67.5°	30.9	38.3	45.6	56.4	80.0	102.8	124.9	166.6	207.0	245.8	285.3
65°	40.3	48.5	69.7	96.5	122.7	170.2	218.9	265.8	321.0	375.6	427.6
62.5°	49.5	76.3	106.5	146.4	203.3	258.6	322.7	388.0	450.9	509.9	566.0
60°	76.3	109.9	159.7	223.3	288.8	365.0	439.0	509.2	576.3	641.1	718.9
57.5°	106.5	159.7	230.0	305.8	390.7	472.9	551.1	626.8	715.9	804.5	889.8
55°	146.4	223.3	305.8	399.2	489.7	576.5	666.6	770.0	869.8	967.7	1061.5
52.5°	203.3	288.8	390.7	489.7	585.0	688.3	802.7	914.6	1024.2	1128.9	1227.4
50°	258.6	365.0	472.9	576.5	688.3	813.7	937.2	1058.3	1173.7	1283.8	1403.9
47.5°	322.7	439.0	551.1	666.6	802.7	937.2	1069.8	1196.2	1318.0	1460.9	1601.0
45°	388.0	509.2	626.8	770.0	914.6	1058.3	1196.2	1329.4	1489.6	1646.1	1802.1
42.5°	450.9	576.3	715.9	869.8	1024.2	1173.7	1318.0	1489.6	1661.4	1833.1	1983.1
40°	509.9	641.1	804.5	967.7	1128.9	1283.8	1460.9	1646.1	1833.1	1996.3	2142.5
37.5°	566.0	718.9	889.8	1061.5	1227.4	1403.9	1601.0	1802.1	1983.1	2142.5	2271.9
35°	619.3	792.9	972.2	1149.6	1321.4	1529.1	1740.6	1943.9	2115.7	2260.5	2616.7
32.5°	677.6	862.9	1050.1	1232.1	1429.9	1649.7	1874.0	2062.6	2226.6	2474.7	3344.5
30°	737.3	929.8	1122.9	1309.7	1534.1	1767.0	1984.2	2170.9	2326.5	3127.3	3961.1
27.5°	792.9	992.3	1189.5	1395.0	1632.5	1877.0	2082.8	2258.7	2770.3	3717.9	4504.3
25°	844.3	1050.1	1251.2	1478.3	1727.0	1966.8	2170.4	2340.7	3309.8	4194.8	4780.0
22.5°	891.8	1103.0	1307.8	1554.7	1813.8	2045.1	2240.6	2744.4	3771.2	4625.1	4974.8
20°	935.1	1149.6	1366.0	1624.6	1892.5	2116.3	2304.5	3167.2	4147.4	4791.4	5161.3
17.5°	973.6	1191.1	1422.5	1689.1	1953.2	2174.8	2409.4	3546.9	4485.9	4941.4	5333.4
15°	1007.3	1227.4	1471.9	1745.6	2004.6	2221.1	2717.6	3830.7	4685.5	5076.4	5487.1
12.5°	1036.0	1258.3	1514.1	1793.9	2048.4	2260.8	2981.7	4067.2	4790.7	5197.8	5648.7
10°	1059.6	1283.8	1548.8	1833.7	2084.6	2293.5	3200.1	4263.1	4878.0	5298.7	5783.2
7.5°	1078.1	1303.7	1576.0	1864.8	2113.0	2319.2	3371.4	4416.9	4946.7	5378.2	5889.4
5°	1091.3	1318.0	1595.5	1887.2	2133.3	2337.6	3494.6	4527.6	4996.2	5435.5	5966.1
2.5°	1099.2	1326.5	1607.2	1900.6	2145.6	2348.7	3568.8	4594.3	5026.0	5470.1	6012.5
0°	1101.9	1329.4	1611.1	1905.1	2149.7	2352.4	3593.6	4616.6	5036.0	5481.7	6028.0
-2.5°	1099.2	1326.5	1607.2	1900.6	2145.6	2348.7	3568.8	4594.3	5026.0	5470.1	6012.5
-5°	1091.3	1318.0	1595.5	1887.2	2133.3	2337.6	3494.6	4527.6	4996.2	5435.5	5966.1
-7.5°	1078.1	1303.7	1576.0	1864.8	2113.0	2319.2	3371.4	4416.9	4946.7	5378.2	5889.4
-10°	1059.6	1283.8	1548.8	1833.7	2084.6	2293.5	3200.1	4263.1	4878.0	5298.7	5783.2
-12.5°	1036.0	1258.3	1514.1	1793.9	2048.4	2260.8	2981.7	4067.2	4790.7	5197.8	5648.7
-15°	1007.3	1227.4	1471.9	1745.6	2004.6	2221.1	2717.6	3830.7	4685.5	5076.4	5487.1
-17.5°	973.6	1191.1	1422.5	1689.1	1953.2	2174.8	2409.4	3546.9	4485.9	4941.4	5333.4
-20°	935.1	1149.6	1366.0	1624.6	1892.5	2116.3	2304.5	3167.2	4147.4	4791.4	5161.3



REPORT NUMBER: P1305409 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	891.8	1103.0	1307.8	1554.7	1813.8	2045.1	2240.6	2744.4	3771.2	4625.1	4974.8
-25°	844.3	1050.1	1251.2	1478.3	1727.0	1966.8	2170.4	2340.7	3309.8	4194.8	4780.0
-27.5°	792.9	992.3	1189.5	1395.0	1632.5	1877.0	2082.8	2258.7	2770.3	3717.9	4504.3
-30°	737.3	929.8	1122.9	1309.7	1534.1	1767.0	1984.2	2170.9	2326.5	3127.3	3961.1
-32.5°	677.6	862.9	1050.1	1232.1	1429.9	1649.7	1874.0	2062.6	2226.6	2474.7	3344.5
-35°	619.3	792.9	972.2	1149.6	1321.4	1529.1	1740.6	1943.9	2115.7	2260.5	2616.7
-37.5°	566.0	718.9	889.8	1061.5	1227.4	1403.9	1601.0	1802.1	1983.1	2142.5	2271.9
-40°	509.9	641.1	804.5	967.7	1128.9	1283.8	1460.9	1646.1	1833.1	1996.3	2142.5
-42.5°	450.9	576.3	715.9	869.8	1024.2	1173.7	1318.0	1489.6	1661.4	1833.1	1983.1
-45°	388.0	509.2	626.8	770.0	914.6	1058.3	1196.2	1329.4	1489.6	1646.1	1802.1
-47.5°	322.7	439.0	551.1	666.6	802.7	937.2	1069.8	1196.2	1318.0	1460.9	1601.0
-50°	258.6	365.0	472.9	576.5	688.3	813.7	937.2	1058.3	1173.7	1283.8	1403.9
-52.5°	203.3	288.8	390.7	489.7	585.0	688.3	802.7	914.6	1024.2	1128.9	1227.4
-55°	146.4	223.3	305.8	399.2	489.7	576.5	666.6	770.0	869.8	967.7	1061.5
-57.5°	106.5	159.7	230.0	305.8	390.7	472.9	551.1	626.8	715.9	804.5	889.8
-60°	76.3	109.9	159.7	223.3	288.8	365.0	439.0	509.2	576.3	641.1	718.9
-62.5°	49.5	76.3	106.5	146.4	203.3	258.6	322.7	388.0	450.9	509.9	566.0
-65°	40.3	48.5	69.7	96.5	122.7	170.2	218.9	265.8	321.0	375.6	427.6
-67.5°	30.9	38.3	45.6	56.4	80.0	102.8	124.9	166.6	207.0	245.8	285.3
-70°	25.5	28.7	34.5	40.8	46.9	57.0	76.7	95.5	113.7	136.5	169.2
-72.5°	20.7	23.6	26.4	29.1	34.2	39.3	44.3	49.2	60.3	75.4	89.8
-75°	16.6	18.4	20.7	23.1	25.4	27.6	30.0	34.1	38.1	41.9	45.5
-77.5°	13.1	14.6	16.0	17.4	18.9	20.7	22.5	24.2	25.9	27.4	28.9
-80°	10.1	10.8	11.9	13.0	14.1	15.2	16.2	17.2	18.1	19.2	20.4
-82.5°	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.7	12.4	13.1	13.7
-85°	5.7	6.2	6.5	6.9	7.2	7.5	7.8	8.1	8.4	8.6	8.9
-87.5°	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6	4.7	4.9
-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: P1305409 (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°	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.1
85°	9.1	9.4	9.6	9.8	9.9	10.1	10.2	10.4	10.5	10.6	10.7
82.5°	14.4	14.9	15.5	15.9	16.4	16.8	17.2	17.5	17.8	18.0	18.2
80°	21.5	22.6	23.6	24.5	25.3	26.1	26.8	27.4	27.9	28.4	28.7
77.5°	31.2	33.9	36.4	38.7	40.8	42.7	44.5	46.0	47.3	48.5	49.4
75°	48.8	54.3	64.5	74.0	82.8	90.8	97.9	104.3	109.9	114.6	118.5
72.5°	103.4	116.2	131.0	153.0	173.3	191.8	208.5	223.3	236.3	247.3	256.3
70°	200.1	229.2	256.5	284.3	313.8	340.8	365.0	386.6	405.4	421.4	434.6
67.5°	329.5	371.2	410.2	446.4	479.4	509.2	536.0	559.9	580.8	598.5	613.1
65°	476.5	521.9	564.5	604.1	641.1	683.4	721.5	755.5	785.1	810.3	831.1
62.5°	619.3	677.6	737.3	792.9	844.3	891.8	935.1	973.6	1007.3	1036.0	1059.6
60°	792.9	862.9	929.8	992.3	1050.1	1103.0	1149.6	1191.1	1227.4	1258.3	1283.8
57.5°	972.2	1050.1	1122.9	1189.5	1251.2	1307.8	1366.0	1422.5	1471.9	1514.1	1548.8
55°	1149.6	1232.1	1309.7	1395.0	1478.3	1554.7	1624.6	1689.1	1745.6	1793.9	1833.7
52.5°	1321.4	1429.9	1534.1	1632.5	1727.0	1813.8	1892.5	1953.2	2004.6	2048.4	2084.6
50°	1529.1	1649.7	1767.0	1877.0	1966.8	2045.1	2116.3	2174.8	2221.1	2260.8	2293.5
47.5°	1740.6	1874.0	1984.2	2082.8	2170.4	2240.6	2304.5	2409.4	2717.6	2981.7	3200.1
45°	1943.9	2062.6	2170.9	2258.7	2340.7	2744.4	3167.2	3546.9	3830.7	4067.2	4263.1
42.5°	2115.7	2226.6	2326.5	2770.3	3309.8	3771.2	4147.4	4485.9	4685.5	4790.7	4878.0
40°	2260.5	2474.7	3127.3	3717.9	4194.8	4625.1	4791.4	4941.4	5076.4	5197.8	5298.7
37.5°	2616.7	3344.5	3961.1	4504.3	4780.0	4974.8	5161.3	5333.4	5487.1	5648.7	5783.2
35°	3417.4	4084.1	4647.9	4885.3	5113.8	5336.0	5554.1	5782.0	5984.6	6203.6	6398.3
32.5°	4084.1	4673.9	4938.7	5201.1	5455.2	5741.0	6011.1	6332.3	6624.1	6974.7	7353.3
30°	4647.9	4938.7	5230.4	5523.3	5855.4	6213.8	6599.6	7108.0	7672.0	8229.8	8876.4
27.5°	4885.3	5201.1	5523.3	5893.9	6319.7	6771.4	7510.4	8269.7	9226.2	10065.2	12082.6
25°	5113.8	5455.2	5855.4	6319.7	6870.1	7715.5	8768.6	9915.2	12598.4	15218.0	19594.2
22.5°	5336.0	5741.0	6213.8	6771.4	7715.5	8937.3	10636.6	14173.8	19498.2	26220.3	33569.3
20°	5554.1	6011.1	6599.6	7510.4	8768.6	10636.6	14708.1	22130.2	30975.7	42862.9	53836.1
17.5°	5782.0	6332.3	7108.0	8269.7	9915.2	14173.8	22130.2	33247.8	47681.1	64145.3	79584.0
15°	5984.6	6624.1	7672.0	9226.2	12598.4	19498.2	30975.7	47681.1	67681.3	88092.0	107784.3
12.5°	6203.6	6974.7	8229.8	10065.2	15218.0	26220.3	42862.9	64145.3	88092.0	112567.1	133757.7
10°	6398.3	7353.3	8876.4	12082.6	19594.2	33569.3	53836.1	79584.0	107784.3	133757.7	159036.9
7.5°	6552.4	7653.6	9391.1	13700.5	23782.5	41062.5	65150.3	93991.1	123841.1	152627.1	184949.7
5°	6663.8	7871.4	9765.3	14881.2	26852.4	46586.7	73556.0	104904.3	135867.7	169424.1	206395.6
2.5°	6731.3	8003.5	9992.6	15600.1	28727.8	49975.8	78742.9	111693.7	143440.1	180696.0	222136.5
0°	6753.9	8047.7	10068.9	15841.6	29358.7	51118.5	80497.3	114000.6	146030.5	184583.7	227801.5
-2.5°	6731.3	8003.5	9992.6	15600.1	28727.8	49975.8	78742.9	111693.7	143440.1	180696.0	222136.5
-5°	6663.8	7871.4	9765.3	14881.2	26852.4	46586.7	73556.0	104904.3	135867.7	169424.1	206395.6
-7.5°	6552.4	7653.6	9391.1	13700.5	23782.5	41062.5	65150.3	93991.1	123841.1	152627.1	184949.7
-10°	6398.3	7353.3	8876.4	12082.6	19594.2	33569.3	53836.1	79584.0	107784.3	133757.7	159036.9
-12.5°	6203.6	6974.7	8229.8	10065.2	15218.0	26220.3	42862.9	64145.3	88092.0	112567.1	133757.7
-15°	5984.6	6624.1	7672.0	9226.2	12598.4	19498.2	30975.7	47681.1	67681.3	88092.0	107784.3
-17.5°	5782.0	6332.3	7108.0	8269.7	9915.2	14173.8	22130.2	33247.8	47681.1	64145.3	79584.0
-20°	5554.1	6011.1	6599.6	7510.4	8768.6	10636.6	14708.1	22130.2	30975.7	42862.9	53836.1



REPORT NUMBER: P1305409 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5336.0	5741.0	6213.8	6771.4	7715.5	8937.3	10636.6	14173.8	19498.2	26220.3	33569.3
-25°	5113.8	5455.2	5855.4	6319.7	6870.1	7715.5	8768.6	9915.2	12598.4	15218.0	19594.2
-27.5°	4885.3	5201.1	5523.3	5893.9	6319.7	6771.4	7510.4	8269.7	9226.2	10065.2	12082.6
-30°	4647.9	4938.7	5230.4	5523.3	5855.4	6213.8	6599.6	7108.0	7672.0	8229.8	8876.4
-32.5°	4084.1	4673.9	4938.7	5201.1	5455.2	5741.0	6011.1	6332.3	6624.1	6974.7	7353.3
-35°	3417.4	4084.1	4647.9	4885.3	5113.8	5336.0	5554.1	5782.0	5984.6	6203.6	6398.3
-37.5°	2616.7	3344.5	3961.1	4504.3	4780.0	4974.8	5161.3	5333.4	5487.1	5648.7	5783.2
-40°	2260.5	2474.7	3127.3	3717.9	4194.8	4625.1	4791.4	4941.4	5076.4	5197.8	5298.7
-42.5°	2115.7	2226.6	2326.5	2770.3	3309.8	3771.2	4147.4	4485.9	4685.5	4790.7	4878.0
-45°	1943.9	2062.6	2170.9	2258.7	2340.7	2744.4	3167.2	3546.9	3830.7	4067.2	4263.1
-47.5°	1740.6	1874.0	1984.2	2082.8	2170.4	2240.6	2304.5	2409.4	2717.6	2981.7	3200.1
-50°	1529.1	1649.7	1767.0	1877.0	1966.8	2045.1	2116.3	2174.8	2221.1	2260.8	2293.5
-52.5°	1321.4	1429.9	1534.1	1632.5	1727.0	1813.8	1892.5	1953.2	2004.6	2048.4	2084.6
-55°	1149.6	1232.1	1309.7	1395.0	1478.3	1554.7	1624.6	1689.1	1745.6	1793.9	1833.7
-57.5°	972.2	1050.1	1122.9	1189.5	1251.2	1307.8	1366.0	1422.5	1471.9	1514.1	1548.8
-60°	792.9	862.9	929.8	992.3	1050.1	1103.0	1149.6	1191.1	1227.4	1258.3	1283.8
-62.5°	619.3	677.6	737.3	792.9	844.3	891.8	935.1	973.6	1007.3	1036.0	1059.6
-65°	476.5	521.9	564.5	604.1	641.1	683.4	721.5	755.5	785.1	810.3	831.1
-67.5°	329.5	371.2	410.2	446.4	479.4	509.2	536.0	559.9	580.8	598.5	613.1
-70°	200.1	229.2	256.5	284.3	313.8	340.8	365.0	386.6	405.4	421.4	434.6
-72.5°	103.4	116.2	131.0	153.0	173.3	191.8	208.5	223.3	236.3	247.3	256.3
-75°	48.8	54.3	64.5	74.0	82.8	90.8	97.9	104.3	109.9	114.6	118.5
-77.5°	31.2	33.9	36.4	38.7	40.8	42.7	44.5	46.0	47.3	48.5	49.4
-80°	21.5	22.6	23.6	24.5	25.3	26.1	26.8	27.4	27.9	28.4	28.7
-82.5°	14.4	14.9	15.5	15.9	16.4	16.8	17.2	17.5	17.8	18.0	18.2
-85°	9.1	9.4	9.6	9.8	9.9	10.1	10.2	10.4	10.5	10.6	10.7
-87.5°	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.1
-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: P1305409 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-3S-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°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	5.9
85°	10.7	10.8	10.8	10.8	10.8	10.8	10.7	10.7	10.6	10.5	10.4
82.5°	18.4	18.5	18.6	18.6	18.6	18.5	18.4	18.2	18.0	17.8	17.5
80°	29.0	29.2	29.4	29.4	29.4	29.2	29.0	28.7	28.4	27.9	27.4
77.5°	50.2	50.7	51.0	51.1	51.0	50.7	50.2	49.4	48.5	47.3	46.0
75°	121.5	123.7	125.0	125.4	125.0	123.7	121.5	118.5	114.6	109.9	104.3
72.5°	263.3	268.4	271.4	272.4	271.4	268.4	263.3	256.3	247.3	236.3	223.3
70°	444.9	452.2	456.6	458.1	456.6	452.2	444.9	434.6	421.4	405.4	386.6
67.5°	624.5	632.7	637.6	639.2	637.6	632.7	624.5	613.1	598.5	580.8	559.9
65°	847.3	858.9	865.9	868.2	865.9	858.9	847.3	831.1	810.3	785.1	755.5
62.5°	1078.1	1091.3	1099.2	1101.9	1099.2	1091.3	1078.1	1059.6	1036.0	1007.3	973.6
60°	1303.7	1318.0	1326.5	1329.4	1326.5	1318.0	1303.7	1283.8	1258.3	1227.4	1191.1
57.5°	1576.0	1595.5	1607.2	1611.1	1607.2	1595.5	1576.0	1548.8	1514.1	1471.9	1422.5
55°	1864.8	1887.2	1900.6	1905.1	1900.6	1887.2	1864.8	1833.7	1793.9	1745.6	1689.1
52.5°	2113.0	2133.3	2145.6	2149.7	2145.6	2133.3	2113.0	2084.6	2048.4	2004.6	1953.2
50°	2319.2	2337.6	2348.7	2352.4	2348.7	2337.6	2319.2	2293.5	2260.8	2221.1	2174.8
47.5°	3371.4	3494.6	3568.8	3593.6	3568.8	3494.6	3371.4	3200.1	2981.7	2717.6	2409.4
45°	4416.9	4527.6	4594.3	4616.6	4594.3	4527.6	4416.9	4263.1	4067.2	3830.7	3546.9
42.5°	4946.7	4996.2	5026.0	5036.0	5026.0	4996.2	4946.7	4878.0	4790.7	4685.5	4485.9
40°	5378.2	5435.5	5470.1	5481.7	5470.1	5435.5	5378.2	5298.7	5197.8	5076.4	4941.4
37.5°	5889.4	5966.1	6012.5	6028.0	6012.5	5966.1	5889.4	5783.2	5648.7	5487.1	5333.4
35°	6552.4	6663.8	6731.3	6753.9	6731.3	6663.8	6552.4	6398.3	6203.6	5984.6	5782.0
32.5°	7653.6	7871.4	8003.5	8047.7	8003.5	7871.4	7653.6	7353.3	6974.7	6624.1	6332.3
30°	9391.1	9765.3	9992.6	10068.9	9992.6	9765.3	9391.1	8876.4	8229.8	7672.0	7108.0
27.5°	13700.5	14881.2	15600.1	15841.6	15600.1	14881.2	13700.5	12082.6	10065.2	9226.2	8269.7
25°	23782.5	26852.4	28727.8	29358.7	28727.8	26852.4	23782.5	19594.2	15218.0	12598.4	9915.2
22.5°	41062.5	46586.7	49975.8	51118.5	49975.8	46586.7	41062.5	33569.3	26220.3	19498.2	14173.8
20°	65150.3	73556.0	78742.9	80497.3	78742.9	73556.0	65150.3	53836.1	42862.9	30975.7	22130.2
17.5°	93991.1	104904.3	111693.7	114000.6	111693.7	104904.3	93991.1	79584.0	64145.3	47681.1	33247.8
15°	123841.1	135867.7	143440.1	146030.5	143440.1	135867.7	123841.1	107784.3	88092.0	67681.3	47681.1
12.5°	152627.1	169424.1	180696.0	184583.7	180696.0	169424.1	152627.1	133757.7	112567.1	88092.0	64145.3
10°	184949.7	206395.6	222136.5	227801.5	222136.5	206395.6	184949.7	159036.9	133757.7	107784.3	79584.0
7.5°	216805.2	245756.6	261771.1	266525.7	261771.1	245756.6	216805.2	184949.7	152627.1	123841.1	93991.1
5°	245756.6	271633.7	286445.9	291570.3	286445.9	271633.7	245756.6	206395.6	169424.1	135867.7	104904.3
2.5°	261771.1	286445.9	307006.6	320958.4	307006.6	286445.9	261771.1	222136.5	180696.0	143440.1	111693.7
0°	266525.7	291570.3	320958.4	340536.0	320958.4	291570.3	266525.7	227801.5	184583.7	146030.5	114000.6
-2.5°	261771.1	286445.9	307006.6	320958.4	307006.6	286445.9	261771.1	222136.5	180696.0	143440.1	111693.7
-5°	245756.6	271633.7	286445.9	291570.3	286445.9	271633.7	245756.6	206395.6	169424.1	135867.7	104904.3
-7.5°	216805.2	245756.6	261771.1	266525.7	261771.1	245756.6	216805.2	184949.7	152627.1	123841.1	93991.1
-10°	184949.7	206395.6	222136.5	227801.5	222136.5	206395.6	184949.7	159036.9	133757.7	107784.3	79584.0
-12.5°	152627.1	169424.1	180696.0	184583.7	180696.0	169424.1	152627.1	133757.7	112567.1	88092.0	64145.3
-15°	123841.1	135867.7	143440.1	146030.5	143440.1	135867.7	123841.1	107784.3	88092.0	67681.3	47681.1
-17.5°	93991.1	104904.3	111693.7	114000.6	111693.7	104904.3	93991.1	79584.0	64145.3	47681.1	33247.8
-20°	65150.3	73556.0	78742.9	80497.3	78742.9	73556.0	65150.3	53836.1	42862.9	30975.7	22130.2



REPORT NUMBER: P1305409 (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°	41062.5	46586.7	49975.8	51118.5	49975.8	46586.7	41062.5	33569.3	26220.3	19498.2	14173.8
-25°	23782.5	26852.4	28727.8	29358.7	28727.8	26852.4	23782.5	19594.2	15218.0	12598.4	9915.2
-27.5°	13700.5	14881.2	15600.1	15841.6	15600.1	14881.2	13700.5	12082.6	10065.2	9226.2	8269.7
-30°	9391.1	9765.3	9992.6	10068.9	9992.6	9765.3	9391.1	8876.4	8229.8	7672.0	7108.0
-32.5°	7653.6	7871.4	8003.5	8047.7	8003.5	7871.4	7653.6	7353.3	6974.7	6624.1	6332.3
-35°	6552.4	6663.8	6731.3	6753.9	6731.3	6663.8	6552.4	6398.3	6203.6	5984.6	5782.0
-37.5°	5889.4	5966.1	6012.5	6028.0	6012.5	5966.1	5889.4	5783.2	5648.7	5487.1	5333.4
-40°	5378.2	5435.5	5470.1	5481.7	5470.1	5435.5	5378.2	5298.7	5197.8	5076.4	4941.4
-42.5°	4946.7	4996.2	5026.0	5036.0	5026.0	4996.2	4946.7	4878.0	4790.7	4685.5	4485.9
-45°	4416.9	4527.6	4594.3	4616.6	4594.3	4527.6	4416.9	4263.1	4067.2	3830.7	3546.9
-47.5°	3371.4	3494.6	3568.8	3593.6	3568.8	3494.6	3371.4	3200.1	2981.7	2717.6	2409.4
-50°	2319.2	2337.6	2348.7	2352.4	2348.7	2337.6	2319.2	2293.5	2260.8	2221.1	2174.8
-52.5°	2113.0	2133.3	2145.6	2149.7	2145.6	2133.3	2113.0	2084.6	2048.4	2004.6	1953.2
-55°	1864.8	1887.2	1900.6	1905.1	1900.6	1887.2	1864.8	1833.7	1793.9	1745.6	1689.1
-57.5°	1576.0	1595.5	1607.2	1611.1	1607.2	1595.5	1576.0	1548.8	1514.1	1471.9	1422.5
-60°	1303.7	1318.0	1326.5	1329.4	1326.5	1318.0	1303.7	1283.8	1258.3	1227.4	1191.1
-62.5°	1078.1	1091.3	1099.2	1101.9	1099.2	1091.3	1078.1	1059.6	1036.0	1007.3	973.6
-65°	847.3	858.9	865.9	868.2	865.9	858.9	847.3	831.1	810.3	785.1	755.5
-67.5°	624.5	632.7	637.6	639.2	637.6	632.7	624.5	613.1	598.5	580.8	559.9
-70°	444.9	452.2	456.6	458.1	456.6	452.2	444.9	434.6	421.4	405.4	386.6
-72.5°	263.3	268.4	271.4	272.4	271.4	268.4	263.3	256.3	247.3	236.3	223.3
-75°	121.5	123.7	125.0	125.4	125.0	123.7	121.5	118.5	114.6	109.9	104.3
-77.5°	50.2	50.7	51.0	51.1	51.0	50.7	50.2	49.4	48.5	47.3	46.0
-80°	29.0	29.2	29.4	29.4	29.4	29.2	29.0	28.7	28.4	27.9	27.4
-82.5°	18.4	18.5	18.6	18.6	18.6	18.5	18.4	18.2	18.0	17.8	17.5
-85°	10.7	10.8	10.8	10.8	10.8	10.8	10.7	10.7	10.6	10.5	10.4
-87.5°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	5.9
-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°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.6	4.4
85°	10.2	10.1	9.9	9.8	9.6	9.4	9.1	8.9	8.6	8.4	8.1
82.5°	17.2	16.8	16.4	15.9	15.5	14.9	14.4	13.7	13.1	12.4	11.7
80°	26.8	26.1	25.3	24.5	23.6	22.6	21.5	20.4	19.2	18.1	17.2
77.5°	44.5	42.7	40.8	38.7	36.4	33.9	31.2	28.9	27.4	25.9	24.2
75°	97.9	90.8	82.8	74.0	64.5	54.3	48.8	45.5	41.9	38.1	34.1
72.5°	208.5	191.8	173.3	153.0	131.0	116.2	103.4	89.8	75.4	60.3	49.2
70°	365.0	340.8	313.8	284.3	256.5	229.2	200.1	169.2	136.5	113.7	95.5
67.5°	536.0	509.2	479.4	446.4	410.2	371.2	329.5	285.3	245.8	207.0	166.6
65°	721.5	683.4	641.1	604.1	564.5	521.9	476.5	427.6	375.6	321.0	265.8
62.5°	935.1	891.8	844.3	792.9	737.3	677.6	619.3	566.0	509.9	450.9	388.0
60°	1149.6	1103.0	1050.1	992.3	929.8	862.9	792.9	718.9	641.1	576.3	509.2
57.5°	1366.0	1307.8	1251.2	1189.5	1122.9	1050.1	972.2	889.8	804.5	715.9	626.8
55°	1624.6	1554.7	1478.3	1395.0	1309.7	1232.1	1149.6	1061.5	967.7	869.8	770.0
52.5°	1892.5	1813.8	1727.0	1632.5	1534.1	1429.9	1321.4	1227.4	1128.9	1024.2	914.6
50°	2116.3	2045.1	1966.8	1877.0	1767.0	1649.7	1529.1	1403.9	1283.8	1173.7	1058.3
47.5°	2304.5	2240.6	2170.4	2082.8	1984.2	1874.0	1740.6	1601.0	1460.9	1318.0	1196.2
45°	3167.2	2744.4	2340.7	2258.7	2170.9	2062.6	1943.9	1802.1	1646.1	1489.6	1329.4
42.5°	4147.4	3771.2	3309.8	2770.3	2326.5	2226.6	2115.7	1983.1	1833.1	1661.4	1489.6
40°	4791.4	4625.1	4194.8	3717.9	3127.3	2474.7	2260.5	2142.5	1996.3	1833.1	1646.1
37.5°	5161.3	4974.8	4780.0	4504.3	3961.1	3344.5	2616.7	2271.9	2142.5	1983.1	1802.1
35°	5554.1	5336.0	5113.8	4885.3	4647.9	4084.1	3417.4	2616.7	2260.5	2115.7	1943.9
32.5°	6011.1	5741.0	5455.2	5201.1	4938.7	4673.9	4084.1	3344.5	2474.7	2226.6	2062.6
30°	6599.6	6213.8	5855.4	5523.3	5230.4	4938.7	4647.9	3961.1	3127.3	2326.5	2170.9
27.5°	7510.4	6771.4	6319.7	5893.9	5523.3	5201.1	4885.3	4504.3	3717.9	2770.3	2258.7
25°	8768.6	7715.5	6870.1	6319.7	5855.4	5455.2	5113.8	4780.0	4194.8	3309.8	2340.7
22.5°	10636.6	8937.3	7715.5	6771.4	6213.8	5741.0	5336.0	4974.8	4625.1	3771.2	2744.4
20°	14708.1	10636.6	8768.6	7510.4	6599.6	6011.1	5554.1	5161.3	4791.4	4147.4	3167.2
17.5°	22130.2	14173.8	9915.2	8269.7	7108.0	6332.3	5782.0	5333.4	4941.4	4485.9	3546.9
15°	30975.7	19498.2	12598.4	9226.2	7672.0	6624.1	5984.6	5487.1	5076.4	4685.5	3830.7
12.5°	42862.9	26220.3	15218.0	10065.2	8229.8	6974.7	6203.6	5648.7	5197.8	4790.7	4067.2
10°	53836.1	33569.3	19594.2	12082.6	8876.4	7353.3	6398.3	5783.2	5298.7	4878.0	4263.1
7.5°	65150.3	41062.5	23782.5	13700.5	9391.1	7653.6	6552.4	5889.4	5378.2	4946.7	4416.9
5°	73556.0	46586.7	26852.4	14881.2	9765.3	7871.4	6663.8	5966.1	5435.5	4996.2	4527.6
2.5°	78742.9	49975.8	28727.8	15600.1	9992.6	8003.5	6731.3	6012.5	5470.1	5026.0	4594.3
0°	80497.3	51118.5	29358.7	15841.6	10068.9	8047.7	6753.9	6028.0	5481.7	5036.0	4616.6
-2.5°	78742.9	49975.8	28727.8	15600.1	9992.6	8003.5	6731.3	6012.5	5470.1	5026.0	4594.3
-5°	73556.0	46586.7	26852.4	14881.2	9765.3	7871.4	6663.8	5966.1	5435.5	4996.2	4527.6
-7.5°	65150.3	41062.5	23782.5	13700.5	9391.1	7653.6	6552.4	5889.4	5378.2	4946.7	4416.9
-10°	53836.1	33569.3	19594.2	12082.6	8876.4	7353.3	6398.3	5783.2	5298.7	4878.0	4263.1
-12.5°	42862.9	26220.3	15218.0	10065.2	8229.8	6974.7	6203.6	5648.7	5197.8	4790.7	4067.2
-15°	30975.7	19498.2	12598.4	9226.2	7672.0	6624.1	5984.6	5487.1	5076.4	4685.5	3830.7
-17.5°	22130.2	14173.8	9915.2	8269.7	7108.0	6332.3	5782.0	5333.4	4941.4	4485.9	3546.9
-20°	14708.1	10636.6	8768.6	7510.4	6599.6	6011.1	5554.1	5161.3	4791.4	4147.4	3167.2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10636.6	8937.3	7715.5	6771.4	6213.8	5741.0	5336.0	4974.8	4625.1	3771.2	2744.4
-25°	8768.6	7715.5	6870.1	6319.7	5855.4	5455.2	5113.8	4780.0	4194.8	3309.8	2340.7
-27.5°	7510.4	6771.4	6319.7	5893.9	5523.3	5201.1	4885.3	4504.3	3717.9	2770.3	2258.7
-30°	6599.6	6213.8	5855.4	5523.3	5230.4	4938.7	4647.9	3961.1	3127.3	2326.5	2170.9
-32.5°	6011.1	5741.0	5455.2	5201.1	4938.7	4673.9	4084.1	3344.5	2474.7	2226.6	2062.6
-35°	5554.1	5336.0	5113.8	4885.3	4647.9	4084.1	3417.4	2616.7	2260.5	2115.7	1943.9
-37.5°	5161.3	4974.8	4780.0	4504.3	3961.1	3344.5	2616.7	2271.9	2142.5	1983.1	1802.1
-40°	4791.4	4625.1	4194.8	3717.9	3127.3	2474.7	2260.5	2142.5	1996.3	1833.1	1646.1
-42.5°	4147.4	3771.2	3309.8	2770.3	2326.5	2226.6	2115.7	1983.1	1833.1	1661.4	1489.6
-45°	3167.2	2744.4	2340.7	2258.7	2170.9	2062.6	1943.9	1802.1	1646.1	1489.6	1329.4
-47.5°	2304.5	2240.6	2170.4	2082.8	1984.2	1874.0	1740.6	1601.0	1460.9	1318.0	1196.2
-50°	2116.3	2045.1	1966.8	1877.0	1767.0	1649.7	1529.1	1403.9	1283.8	1173.7	1058.3
-52.5°	1892.5	1813.8	1727.0	1632.5	1534.1	1429.9	1321.4	1227.4	1128.9	1024.2	914.6
-55°	1624.6	1554.7	1478.3	1395.0	1309.7	1232.1	1149.6	1061.5	967.7	869.8	770.0
-57.5°	1366.0	1307.8	1251.2	1189.5	1122.9	1050.1	972.2	889.8	804.5	715.9	626.8
-60°	1149.6	1103.0	1050.1	992.3	929.8	862.9	792.9	718.9	641.1	576.3	509.2
-62.5°	935.1	891.8	844.3	792.9	737.3	677.6	619.3	566.0	509.9	450.9	388.0
-65°	721.5	683.4	641.1	604.1	564.5	521.9	476.5	427.6	375.6	321.0	265.8
-67.5°	536.0	509.2	479.4	446.4	410.2	371.2	329.5	285.3	245.8	207.0	166.6
-70°	365.0	340.8	313.8	284.3	256.5	229.2	200.1	169.2	136.5	113.7	95.5
-72.5°	208.5	191.8	173.3	153.0	131.0	116.2	103.4	89.8	75.4	60.3	49.2
-75°	97.9	90.8	82.8	74.0	64.5	54.3	48.8	45.5	41.9	38.1	34.1
-77.5°	44.5	42.7	40.8	38.7	36.4	33.9	31.2	28.9	27.4	25.9	24.2
-80°	26.8	26.1	25.3	24.5	23.6	22.6	21.5	20.4	19.2	18.1	17.2
-82.5°	17.2	16.8	16.4	15.9	15.5	14.9	14.4	13.7	13.1	12.4	11.7
-85°	10.2	10.1	9.9	9.8	9.6	9.4	9.1	8.9	8.6	8.4	8.1
-87.5°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.6	4.4
-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: P1305409 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-3S-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°	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.1	1.9
85°	7.8	7.5	7.2	6.9	6.5	6.2	5.7	5.2	4.7	4.2	3.7
82.5°	11.0	10.5	10.0	9.5	9.0	8.5	8.0	7.4	6.9	6.3	5.6
80°	16.2	15.2	14.1	13.0	11.9	10.8	10.1	9.3	8.6	7.9	7.1
77.5°	22.5	20.7	18.9	17.4	16.0	14.6	13.1	11.6	10.3	9.4	8.5
75°	30.0	27.6	25.4	23.1	20.7	18.4	16.6	14.8	12.9	11.0	9.8
72.5°	44.3	39.3	34.2	29.1	26.4	23.6	20.7	18.0	15.8	13.6	11.4
70°	76.7	57.0	46.9	40.8	34.5	28.7	25.5	22.1	18.7	16.2	13.6
67.5°	124.9	102.8	80.0	56.4	45.6	38.3	30.9	26.4	22.6	18.7	15.8
65°	218.9	170.2	122.7	96.5	69.7	48.5	40.3	31.9	26.4	22.1	18.0
62.5°	322.7	258.6	203.3	146.4	106.5	76.3	49.5	40.3	30.9	25.5	20.7
60°	439.0	365.0	288.8	223.3	159.7	109.9	76.3	48.5	38.3	28.7	23.6
57.5°	551.1	472.9	390.7	305.8	230.0	159.7	106.5	69.7	45.6	34.5	26.4
55°	666.6	576.5	489.7	399.2	305.8	223.3	146.4	96.5	56.4	40.8	29.1
52.5°	802.7	688.3	585.0	489.7	390.7	288.8	203.3	122.7	80.0	46.9	34.2
50°	937.2	813.7	688.3	576.5	472.9	365.0	258.6	170.2	102.8	57.0	39.3
47.5°	1069.8	937.2	802.7	666.6	551.1	439.0	322.7	218.9	124.9	76.7	44.3
45°	1196.2	1058.3	914.6	770.0	626.8	509.2	388.0	265.8	166.6	95.5	49.2
42.5°	1318.0	1173.7	1024.2	869.8	715.9	576.3	450.9	321.0	207.0	113.7	60.3
40°	1460.9	1283.8	1128.9	967.7	804.5	641.1	509.9	375.6	245.8	136.5	75.4
37.5°	1601.0	1403.9	1227.4	1061.5	889.8	718.9	566.0	427.6	285.3	169.2	89.8
35°	1740.6	1529.1	1321.4	1149.6	972.2	792.9	619.3	476.5	329.5	200.1	103.4
32.5°	1874.0	1649.7	1429.9	1232.1	1050.1	862.9	677.6	521.9	371.2	229.2	116.2
30°	1984.2	1767.0	1534.1	1309.7	1122.9	929.8	737.3	564.5	410.2	256.5	131.0
27.5°	2082.8	1877.0	1632.5	1395.0	1189.5	992.3	792.9	604.1	446.4	284.3	153.0
25°	2170.4	1966.8	1727.0	1478.3	1251.2	1050.1	844.3	641.1	479.4	313.8	173.3
22.5°	2240.6	2045.1	1813.8	1554.7	1307.8	1103.0	891.8	683.4	509.2	340.8	191.8
20°	2304.5	2116.3	1892.5	1624.6	1366.0	1149.6	935.1	721.5	536.0	365.0	208.5
17.5°	2409.4	2174.8	1953.2	1689.1	1422.5	1191.1	973.6	755.5	559.9	386.6	223.3
15°	2717.6	2221.1	2004.6	1745.6	1471.9	1227.4	1007.3	785.1	580.8	405.4	236.3
12.5°	2981.7	2260.8	2048.4	1793.9	1514.1	1258.3	1036.0	810.3	598.5	421.4	247.3
10°	3200.1	2293.5	2084.6	1833.7	1548.8	1283.8	1059.6	831.1	613.1	434.6	256.3
7.5°	3371.4	2319.2	2113.0	1864.8	1576.0	1303.7	1078.1	847.3	624.5	444.9	263.3
5°	3494.6	2337.6	2133.3	1887.2	1595.5	1318.0	1091.3	858.9	632.7	452.2	268.4
2.5°	3568.8	2348.7	2145.6	1900.6	1607.2	1326.5	1099.2	865.9	637.6	456.6	271.4
0°	3593.6	2352.4	2149.7	1905.1	1611.1	1329.4	1101.9	868.2	639.2	458.1	272.4
-2.5°	3568.8	2348.7	2145.6	1900.6	1607.2	1326.5	1099.2	865.9	637.6	456.6	271.4
-5°	3494.6	2337.6	2133.3	1887.2	1595.5	1318.0	1091.3	858.9	632.7	452.2	268.4
-7.5°	3371.4	2319.2	2113.0	1864.8	1576.0	1303.7	1078.1	847.3	624.5	444.9	263.3
-10°	3200.1	2293.5	2084.6	1833.7	1548.8	1283.8	1059.6	831.1	613.1	434.6	256.3
-12.5°	2981.7	2260.8	2048.4	1793.9	1514.1	1258.3	1036.0	810.3	598.5	421.4	247.3
-15°	2717.6	2221.1	2004.6	1745.6	1471.9	1227.4	1007.3	785.1	580.8	405.4	236.3
-17.5°	2409.4	2174.8	1953.2	1689.1	1422.5	1191.1	973.6	755.5	559.9	386.6	223.3
-20°	2304.5	2116.3	1892.5	1624.6	1366.0	1149.6	935.1	721.5	536.0	365.0	208.5



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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°	2240.6	2045.1	1813.8	1554.7	1307.8	1103.0	891.8	683.4	509.2	340.8	191.8
-25°	2170.4	1966.8	1727.0	1478.3	1251.2	1050.1	844.3	641.1	479.4	313.8	173.3
-27.5°	2082.8	1877.0	1632.5	1395.0	1189.5	992.3	792.9	604.1	446.4	284.3	153.0
-30°	1984.2	1767.0	1534.1	1309.7	1122.9	929.8	737.3	564.5	410.2	256.5	131.0
-32.5°	1874.0	1649.7	1429.9	1232.1	1050.1	862.9	677.6	521.9	371.2	229.2	116.2
-35°	1740.6	1529.1	1321.4	1149.6	972.2	792.9	619.3	476.5	329.5	200.1	103.4
-37.5°	1601.0	1403.9	1227.4	1061.5	889.8	718.9	566.0	427.6	285.3	169.2	89.8
-40°	1460.9	1283.8	1128.9	967.7	804.5	641.1	509.9	375.6	245.8	136.5	75.4
-42.5°	1318.0	1173.7	1024.2	869.8	715.9	576.3	450.9	321.0	207.0	113.7	60.3
-45°	1196.2	1058.3	914.6	770.0	626.8	509.2	388.0	265.8	166.6	95.5	49.2
-47.5°	1069.8	937.2	802.7	666.6	551.1	439.0	322.7	218.9	124.9	76.7	44.3
-50°	937.2	813.7	688.3	576.5	472.9	365.0	258.6	170.2	102.8	57.0	39.3
-52.5°	802.7	688.3	585.0	489.7	390.7	288.8	203.3	122.7	80.0	46.9	34.2
-55°	666.6	576.5	489.7	399.2	305.8	223.3	146.4	96.5	56.4	40.8	29.1
-57.5°	551.1	472.9	390.7	305.8	230.0	159.7	106.5	69.7	45.6	34.5	26.4
-60°	439.0	365.0	288.8	223.3	159.7	109.9	76.3	48.5	38.3	28.7	23.6
-62.5°	322.7	258.6	203.3	146.4	106.5	76.3	49.5	40.3	30.9	25.5	20.7
-65°	218.9	170.2	122.7	96.5	69.7	48.5	40.3	31.9	26.4	22.1	18.0
-67.5°	124.9	102.8	80.0	56.4	45.6	38.3	30.9	26.4	22.6	18.7	15.8
-70°	76.7	57.0	46.9	40.8	34.5	28.7	25.5	22.1	18.7	16.2	13.6
-72.5°	44.3	39.3	34.2	29.1	26.4	23.6	20.7	18.0	15.8	13.6	11.4
-75°	30.0	27.6	25.4	23.1	20.7	18.4	16.6	14.8	12.9	11.0	9.8
-77.5°	22.5	20.7	18.9	17.4	16.0	14.6	13.1	11.6	10.3	9.4	8.5
-80°	16.2	15.2	14.1	13.0	11.9	10.8	10.1	9.3	8.6	7.9	7.1
-82.5°	11.0	10.5	10.0	9.5	9.0	8.5	8.0	7.4	6.9	6.3	5.6
-85°	7.8	7.5	7.2	6.9	6.5	6.2	5.7	5.2	4.7	4.2	3.7
-87.5°	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.1	1.9
-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°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
85°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
82.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
80°	6.3	5.3	4.3	3.2	2.2	1.1	0.0
77.5°	7.5	6.5	5.3	4.0	2.7	1.3	0.0
75°	8.7	7.5	6.3	4.8	3.2	1.6	0.0
72.5°	9.8	8.5	7.1	5.6	3.7	1.9	0.0
70°	11.0	9.4	7.9	6.3	4.2	2.1	0.0
67.5°	12.9	10.3	8.6	6.9	4.7	2.4	0.0
65°	14.8	11.6	9.3	7.4	5.2	2.6	0.0
62.5°	16.6	13.1	10.1	8.0	5.7	2.9	0.0
60°	18.4	14.6	10.8	8.5	6.2	3.1	0.0
57.5°	20.7	16.0	11.9	9.0	6.5	3.3	0.0
55°	23.1	17.4	13.0	9.5	6.9	3.6	0.0
52.5°	25.4	18.9	14.1	10.0	7.2	3.8	0.0
50°	27.6	20.7	15.2	10.5	7.5	4.0	0.0
47.5°	30.0	22.5	16.2	11.0	7.8	4.2	0.0
45°	34.1	24.2	17.2	11.7	8.1	4.4	0.0
42.5°	38.1	25.9	18.1	12.4	8.4	4.6	0.0
40°	41.9	27.4	19.2	13.1	8.6	4.7	0.0
37.5°	45.5	28.9	20.4	13.7	8.9	4.9	0.0
35°	48.8	31.2	21.5	14.4	9.1	5.1	0.0
32.5°	54.3	33.9	22.6	14.9	9.4	5.2	0.0
30°	64.5	36.4	23.6	15.5	9.6	5.4	0.0
27.5°	74.0	38.7	24.5	15.9	9.8	5.5	0.0
25°	82.8	40.8	25.3	16.4	9.9	5.6	0.0
22.5°	90.8	42.7	26.1	16.8	10.1	5.7	0.0
20°	97.9	44.5	26.8	17.2	10.2	5.8	0.0
17.5°	104.3	46.0	27.4	17.5	10.4	5.9	0.0
15°	109.9	47.3	27.9	17.8	10.5	6.0	0.0
12.5°	114.6	48.5	28.4	18.0	10.6	6.1	0.0
10°	118.5	49.4	28.7	18.2	10.7	6.1	0.0
7.5°	121.5	50.2	29.0	18.4	10.7	6.1	0.0
5°	123.7	50.7	29.2	18.5	10.8	6.2	0.0
2.5°	125.0	51.0	29.4	18.6	10.8	6.2	0.0
0°	125.4	51.1	29.4	18.6	10.8	6.2	0.0
-2.5°	125.0	51.0	29.4	18.6	10.8	6.2	0.0
-5°	123.7	50.7	29.2	18.5	10.8	6.2	0.0
-7.5°	121.5	50.2	29.0	18.4	10.7	6.1	0.0
-10°	118.5	49.4	28.7	18.2	10.7	6.1	0.0
-12.5°	114.6	48.5	28.4	18.0	10.6	6.1	0.0
-15°	109.9	47.3	27.9	17.8	10.5	6.0	0.0
-17.5°	104.3	46.0	27.4	17.5	10.4	5.9	0.0
-20°	97.9	44.5	26.8	17.2	10.2	5.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	90.8	42.7	26.1	16.8	10.1	5.7	0.0
-25°	82.8	40.8	25.3	16.4	9.9	5.6	0.0
-27.5°	74.0	38.7	24.5	15.9	9.8	5.5	0.0
-30°	64.5	36.4	23.6	15.5	9.6	5.4	0.0
-32.5°	54.3	33.9	22.6	14.9	9.4	5.2	0.0
-35°	48.8	31.2	21.5	14.4	9.1	5.1	0.0
-37.5°	45.5	28.9	20.4	13.7	8.9	4.9	0.0
-40°	41.9	27.4	19.2	13.1	8.6	4.7	0.0
-42.5°	38.1	25.9	18.1	12.4	8.4	4.6	0.0
-45°	34.1	24.2	17.2	11.7	8.1	4.4	0.0
-47.5°	30.0	22.5	16.2	11.0	7.8	4.2	0.0
-50°	27.6	20.7	15.2	10.5	7.5	4.0	0.0
-52.5°	25.4	18.9	14.1	10.0	7.2	3.8	0.0
-55°	23.1	17.4	13.0	9.5	6.9	3.6	0.0
-57.5°	20.7	16.0	11.9	9.0	6.5	3.3	0.0
-60°	18.4	14.6	10.8	8.5	6.2	3.1	0.0
-62.5°	16.6	13.1	10.1	8.0	5.7	2.9	0.0
-65°	14.8	11.6	9.3	7.4	5.2	2.6	0.0
-67.5°	12.9	10.3	8.6	6.9	4.7	2.4	0.0
-70°	11.0	9.4	7.9	6.3	4.2	2.1	0.0
-72.5°	9.8	8.5	7.1	5.6	3.7	1.9	0.0
-75°	8.7	7.5	6.3	4.8	3.2	1.6	0.0
-77.5°	7.5	6.5	5.3	4.0	2.7	1.3	0.0
-80°	6.3	5.3	4.3	3.2	2.2	1.1	0.0
-82.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-85°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
-87.5°	1.6	1.3	1.1	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)