

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: P1305417 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-40-70-5S-HEG-A**

Issue Date: 2/3/2026

Test Information

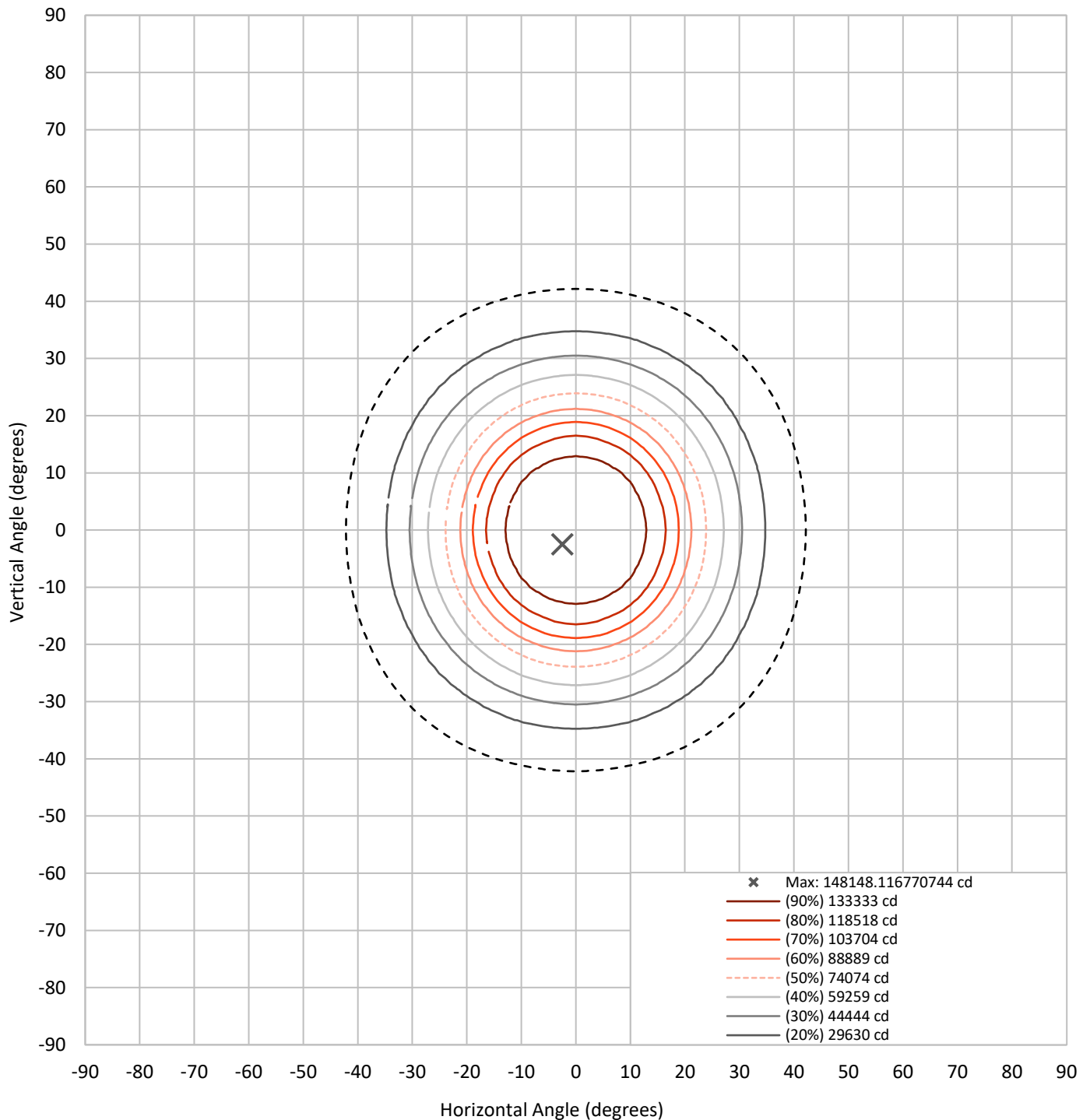
Test Method: LM-79-08
Report Number: P1305417 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680R-40-70-5S-HEG-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	108287.4 lumens	Max Intensity:	148148.1 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	157.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	60749.1 lumens	Field Lumens:	100897 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%
Input Watts (W):	688		
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





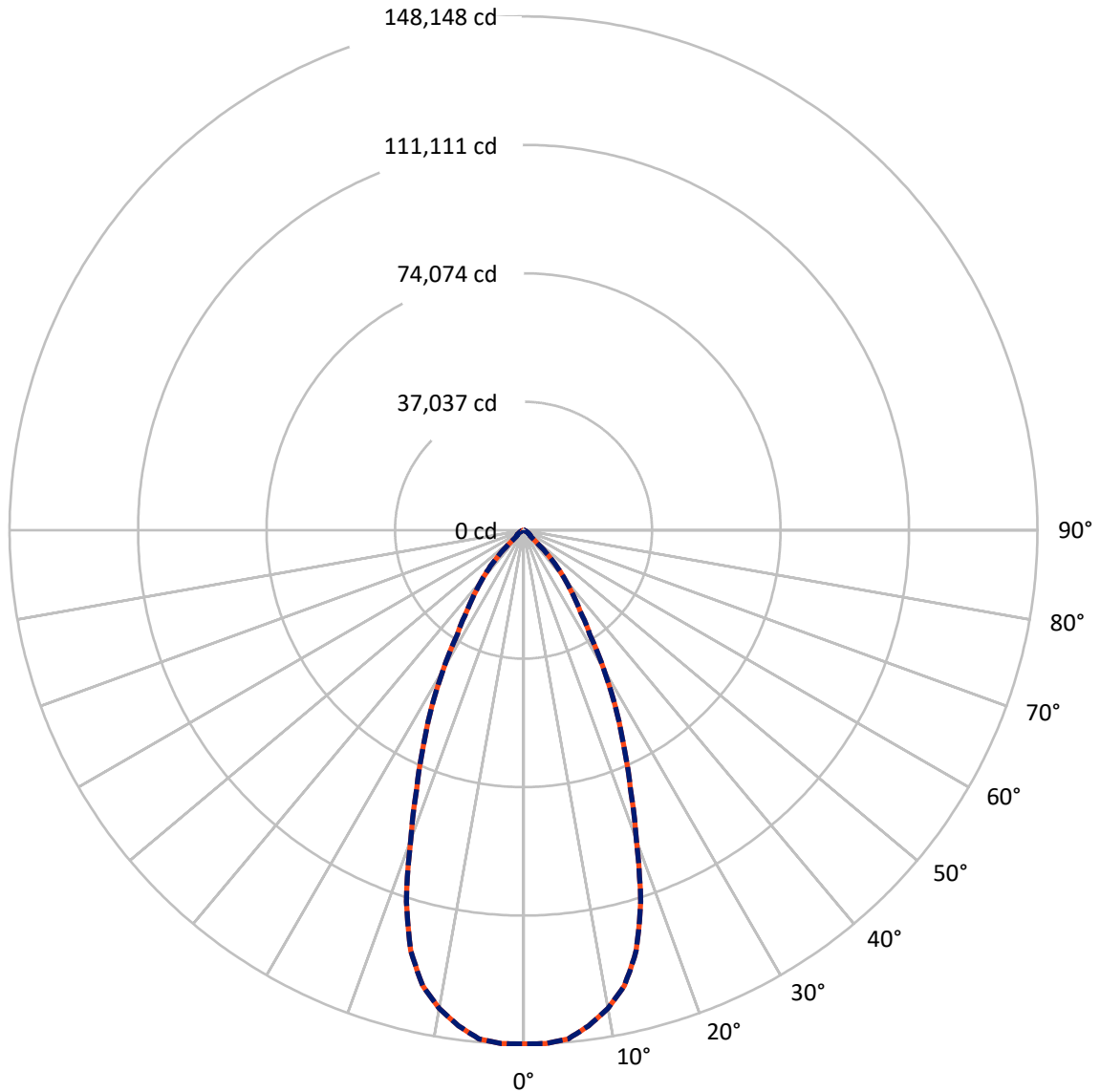
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Lumen Table

90	0.1	1.0	3.4	7.3	9.3	7.3	3.4	1.0	0.1							
80	0.1	1.0	3.4	7.3	9.3	7.3	3.4	1.0	0.1							
70	0.5	0.6	1.8	4.7	9.6	15.6	21.2	24.3	24.3	21.2	15.6	9.6	4.7	1.8	0.6	0.5
60		1.4	5.5	14.9	29.1	44.5	56.0	62.3	62.3	56.0	44.5	29.1	14.9	5.5	1.4	
50	1.1	2.9	12.2	31.0	53.5	96.4	196.3	276.3	276.3	196.3	96.4	53.5	31.0	12.2	2.9	1.1
40		5.1	20.7	46.3	134.4	406.8	686.9	880.1	880.1	686.9	406.8	134.4	46.3	20.7	5.1	
30	2.1	7.6	28.5	76.1	369.7	841.0	1505.1	2020.1	2020.1	1505.1	841.0	369.7	76.1	28.5	7.6	2.1
20		9.6	33.7	147.1	586.3	1416.5	2632.2	3586.1	3586.1	2632.2	1416.5	586.3	147.1	33.7	9.6	
10	2.5	10.7	36.2	201.1	729.6	1845.6	3481.6	4346.0	4346.0	3481.6	1845.6	729.6	201.1	36.2	10.7	2.5
0		10.7	36.2	201.1	729.6	1845.6	3481.6	4346.0	4346.0	3481.6	1845.6	729.6	201.1	36.2	10.7	
-10	2.1	9.6	33.7	147.1	586.3	1416.5	2632.2	3586.1	3586.1	2632.2	1416.5	586.3	147.1	33.7	9.6	2.1
-20		7.6	28.5	76.1	369.7	841.0	1505.1	2020.1	2020.1	1505.1	841.0	369.7	76.1	28.5	7.6	
-30	1.1	5.1	20.7	46.3	134.4	406.8	686.9	880.1	880.1	686.9	406.8	134.4	46.3	20.7	5.1	1.1
-40		2.9	12.2	31.0	53.5	96.4	196.3	276.3	276.3	196.3	96.4	53.5	31.0	12.2	2.9	
-50	0.5	1.4	5.5	14.9	29.1	44.5	56.0	62.3	62.3	56.0	44.5	29.1	14.9	5.5	1.4	0.5
-60		0.6	1.8	4.7	9.6	15.6	21.2	24.3	24.3	21.2	15.6	9.6	4.7	1.8	0.6	
-70	0.1	1.0	3.4	7.3	9.3	7.3	3.4	1.0	0.1							
-80		0.1	1.0	3.4	7.3	9.3	7.3	3.4	1.0	0.1						
-90	0.1	1.0	3.4	7.3	9.3	7.3	3.4	1.0	0.1							

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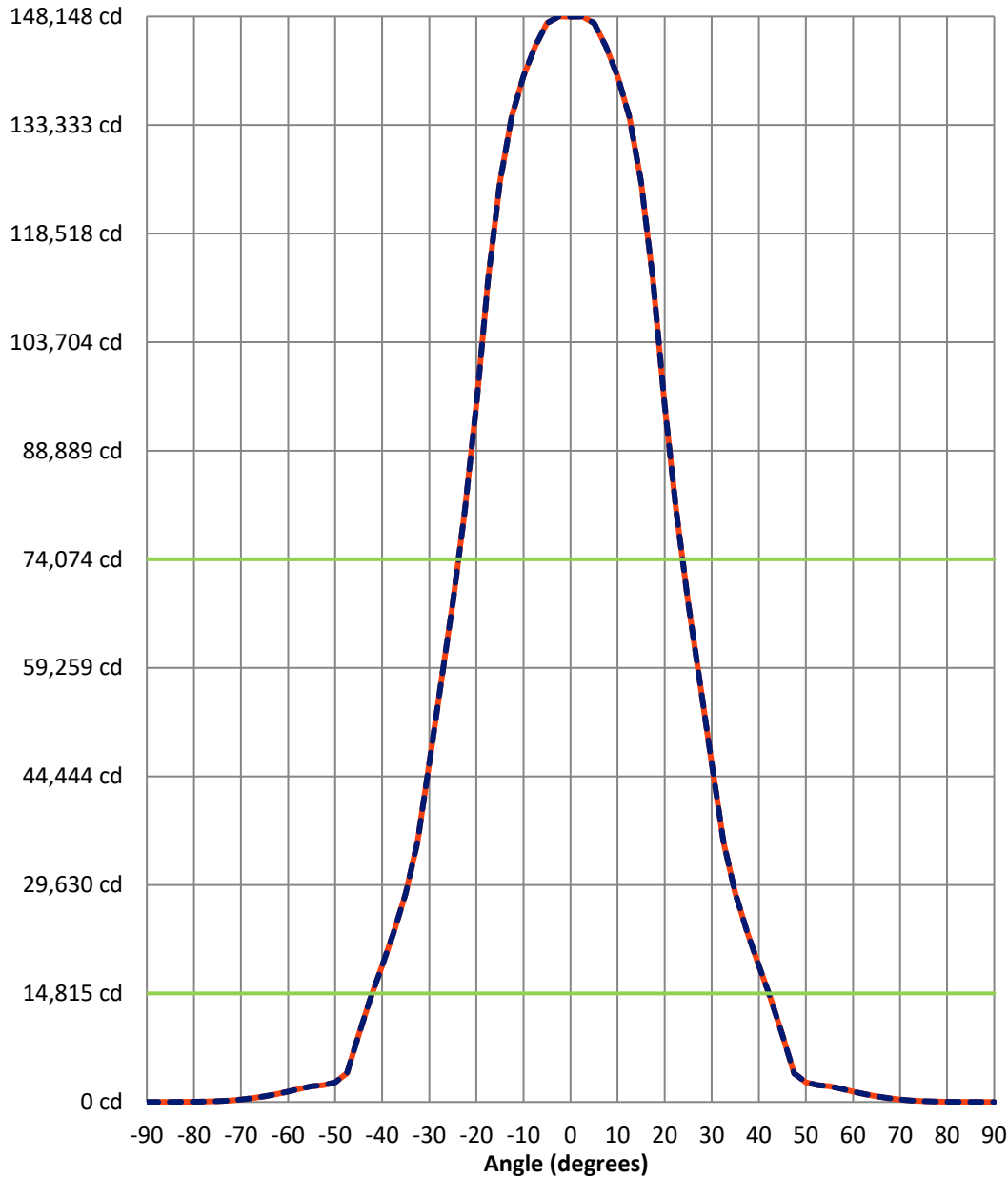
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through -2.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 47.6°
 V Angle: 47.6°
 Lumens: 60749.1
 Efficiency: 56.1%

Field:
 H Angle: 84.3°
 V Angle: 84.3°
 Lumens: 100897
 Efficiency: 93.2%

Spill:
 Lumens: 7390.4
 Efficiency: 6.8%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through -2.5-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	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.8	3.0
85°	0.0	0.6	1.3	1.9	2.5	3.1	3.7	4.3	4.9	5.5	6.1
82.5°	0.0	0.9	1.9	2.8	3.7	4.7	5.6	6.5	7.4	8.2	9.1
80°	0.0	1.2	2.5	3.7	5.0	6.2	7.4	8.6	9.8	11.0	12.1
77.5°	0.0	1.6	3.1	4.7	6.2	7.7	9.2	10.7	12.2	13.7	15.3
75°	0.0	1.9	3.7	5.6	7.4	9.2	11.1	12.9	14.7	16.9	19.0
72.5°	0.0	2.2	4.3	6.5	8.6	10.7	12.9	15.1	17.7	20.2	22.7
70°	0.0	2.5	4.9	7.4	9.8	12.2	14.7	17.7	20.6	23.5	27.5
67.5°	0.0	2.8	5.5	8.2	11.0	13.7	16.9	20.2	23.5	28.0	32.5
65°	0.0	3.0	6.1	9.1	12.1	15.3	19.0	22.7	27.5	32.5	39.3
62.5°	0.0	3.3	6.6	10.0	13.2	17.0	21.1	25.8	31.4	38.0	50.4
60°	0.0	3.6	7.2	10.8	14.3	18.8	23.2	29.2	35.2	47.8	61.2
57.5°	0.0	3.9	7.7	11.6	15.7	20.4	25.9	32.5	42.8	57.4	77.7
55°	0.0	4.1	8.3	12.4	17.0	22.1	28.6	35.7	51.1	68.4	96.6
52.5°	0.0	4.4	8.8	13.1	18.2	23.8	31.3	42.3	59.2	85.0	115.0
50°	0.0	4.6	9.2	13.9	19.5	25.9	33.9	49.1	68.9	101.0	139.9
47.5°	0.0	4.9	9.7	14.6	20.7	28.0	36.8	55.8	82.7	116.6	164.9
45°	0.0	5.1	10.2	15.5	21.8	30.0	42.3	62.1	95.9	138.0	189.0
42.5°	0.0	5.3	10.6	16.3	22.9	31.9	47.5	71.2	108.7	158.8	230.1
40°	0.0	5.5	11.0	17.1	24.1	33.7	52.5	81.8	122.6	178.7	272.3
37.5°	0.0	5.7	11.4	17.8	25.5	35.4	57.2	91.9	139.4	202.4	312.6
35°	0.0	5.9	11.8	18.5	26.8	38.4	61.7	101.5	155.3	236.6	356.1
32.5°	0.0	6.1	12.1	19.2	28.0	41.9	67.0	110.5	170.2	268.9	405.3
30°	0.0	6.2	12.5	19.8	29.2	45.2	74.1	119.8	184.2	299.1	451.4
27.5°	0.0	6.4	12.8	20.3	30.3	48.3	80.8	131.1	201.6	327.2	494.3
25°	0.0	6.5	13.0	20.9	31.2	51.1	87.0	141.5	224.5	359.2	534.3
22.5°	0.0	6.7	13.3	21.3	32.1	53.6	92.6	151.0	245.3	391.5	579.4
20°	0.0	6.8	13.5	21.8	32.9	55.9	97.6	159.6	264.1	420.6	620.1
17.5°	0.0	6.9	13.7	22.1	33.6	58.0	102.1	167.2	280.8	446.4	656.4
15°	0.0	7.0	13.9	22.5	34.3	59.7	106.0	173.8	295.4	469.0	688.0
12.5°	0.0	7.0	14.1	22.8	34.8	61.2	109.3	179.5	307.8	488.2	714.9
10°	0.0	7.1	14.2	23.0	35.2	62.5	112.0	184.1	318.0	504.0	737.1
7.5°	0.0	7.1	14.3	23.2	35.6	63.5	114.2	187.7	325.9	516.3	754.4
5°	0.0	7.2	14.3	23.3	35.8	64.1	115.7	190.3	331.6	525.1	766.8
2.5°	0.0	7.2	14.4	23.4	36.0	64.6	116.6	191.9	335.1	530.4	774.2
0°	0.0	7.2	14.4	23.4	36.0	64.7	116.9	192.4	336.2	532.2	776.7
-2.5°	0.0	7.2	14.4	23.4	36.0	64.6	116.6	191.9	335.1	530.4	774.2
-5°	0.0	7.2	14.3	23.3	35.8	64.1	115.7	190.3	331.6	525.1	766.8
-7.5°	0.0	7.1	14.3	23.2	35.6	63.5	114.2	187.7	325.9	516.3	754.4
-10°	0.0	7.1	14.2	23.0	35.2	62.5	112.0	184.1	318.0	504.0	737.1
-12.5°	0.0	7.0	14.1	22.8	34.8	61.2	109.3	179.5	307.8	488.2	714.9
-15°	0.0	7.0	13.9	22.5	34.3	59.7	106.0	173.8	295.4	469.0	688.0
-17.5°	0.0	6.9	13.7	22.1	33.6	58.0	102.1	167.2	280.8	446.4	656.4
-20°	0.0	6.8	13.5	21.8	32.9	55.9	97.6	159.6	264.1	420.6	620.1



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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	6.7	13.3	21.3	32.1	53.6	92.6	151.0	245.3	391.5	579.4
-25°	0.0	6.5	13.0	20.9	31.2	51.1	87.0	141.5	224.5	359.2	534.3
-27.5°	0.0	6.4	12.8	20.3	30.3	48.3	80.8	131.1	201.6	327.2	494.3
-30°	0.0	6.2	12.5	19.8	29.2	45.2	74.1	119.8	184.2	299.1	451.4
-32.5°	0.0	6.1	12.1	19.2	28.0	41.9	67.0	110.5	170.2	268.9	405.3
-35°	0.0	5.9	11.8	18.5	26.8	38.4	61.7	101.5	155.3	236.6	356.1
-37.5°	0.0	5.7	11.4	17.8	25.5	35.4	57.2	91.9	139.4	202.4	312.6
-40°	0.0	5.5	11.0	17.1	24.1	33.7	52.5	81.8	122.6	178.7	272.3
-42.5°	0.0	5.3	10.6	16.3	22.9	31.9	47.5	71.2	108.7	158.8	230.1
-45°	0.0	5.1	10.2	15.5	21.8	30.0	42.3	62.1	95.9	138.0	189.0
-47.5°	0.0	4.9	9.7	14.6	20.7	28.0	36.8	55.8	82.7	116.6	164.9
-50°	0.0	4.6	9.2	13.9	19.5	25.9	33.9	49.1	68.9	101.0	139.9
-52.5°	0.0	4.4	8.8	13.1	18.2	23.8	31.3	42.3	59.2	85.0	115.0
-55°	0.0	4.1	8.3	12.4	17.0	22.1	28.6	35.7	51.1	68.4	96.6
-57.5°	0.0	3.9	7.7	11.6	15.7	20.4	25.9	32.5	42.8	57.4	77.7
-60°	0.0	3.6	7.2	10.8	14.3	18.8	23.2	29.2	35.2	47.8	61.2
-62.5°	0.0	3.3	6.6	10.0	13.2	17.0	21.1	25.8	31.4	38.0	50.4
-65°	0.0	3.0	6.1	9.1	12.1	15.3	19.0	22.7	27.5	32.5	39.3
-67.5°	0.0	2.8	5.5	8.2	11.0	13.7	16.9	20.2	23.5	28.0	32.5
-70°	0.0	2.5	4.9	7.4	9.8	12.2	14.7	17.7	20.6	23.5	27.5
-72.5°	0.0	2.2	4.3	6.5	8.6	10.7	12.9	15.1	17.7	20.2	22.7
-75°	0.0	1.9	3.7	5.6	7.4	9.2	11.1	12.9	14.7	16.9	19.0
-77.5°	0.0	1.6	3.1	4.7	6.2	7.7	9.2	10.7	12.2	13.7	15.3
-80°	0.0	1.2	2.5	3.7	5.0	6.2	7.4	8.6	9.8	11.0	12.1
-82.5°	0.0	0.9	1.9	2.8	3.7	4.7	5.6	6.5	7.4	8.2	9.1
-85°	0.0	0.6	1.3	1.9	2.5	3.1	3.7	4.3	4.9	5.5	6.1
-87.5°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.8	3.0
-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-08-680R-40-70-5S-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°	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.3	5.5	5.7
85°	6.6	7.2	7.7	8.3	8.8	9.2	9.7	10.2	10.6	11.0	11.4
82.5°	10.0	10.8	11.6	12.4	13.1	13.9	14.6	15.5	16.3	17.1	17.8
80°	13.2	14.3	15.7	17.0	18.2	19.5	20.7	21.8	22.9	24.1	25.5
77.5°	17.0	18.8	20.4	22.1	23.8	25.9	28.0	30.0	31.9	33.7	35.4
75°	21.1	23.2	25.9	28.6	31.3	33.9	36.8	42.3	47.5	52.5	57.2
72.5°	25.8	29.2	32.5	35.7	42.3	49.1	55.8	62.1	71.2	81.8	91.9
70°	31.4	35.2	42.8	51.1	59.2	68.9	82.7	95.9	108.7	122.6	139.4
67.5°	38.0	47.8	57.4	68.4	85.0	101.0	116.6	138.0	158.8	178.7	202.4
65°	50.4	61.2	77.7	96.6	115.0	139.9	164.9	189.0	230.1	272.3	312.6
62.5°	62.5	82.4	103.6	127.7	156.9	185.3	231.3	281.9	330.6	392.3	453.0
60°	82.4	106.0	134.5	167.2	205.1	264.1	321.4	391.5	464.1	534.3	617.3
57.5°	103.6	134.5	170.6	218.3	284.0	352.2	436.9	518.8	614.1	708.7	804.3
55°	127.7	167.2	218.3	290.6	370.4	464.4	561.5	671.8	778.7	903.8	1023.6
52.5°	156.9	205.1	284.0	370.4	473.6	584.6	706.8	836.0	975.9	1116.2	1265.6
50°	185.3	264.1	352.2	464.4	584.6	718.5	864.9	1019.6	1184.1	1351.2	1524.0
47.5°	231.3	321.4	436.9	561.5	706.8	864.9	1034.2	1218.3	1403.0	1603.3	1798.3
45°	281.9	391.5	518.8	671.8	836.0	1019.6	1218.3	1420.4	1643.3	1852.6	2031.9
42.5°	330.6	464.1	614.1	778.7	975.9	1184.1	1403.0	1643.3	1870.1	2067.6	2198.6
40°	392.3	534.3	708.7	903.8	1116.2	1351.2	1603.3	1852.6	2067.6	2206.7	2297.0
37.5°	453.0	617.3	804.3	1023.6	1265.6	1524.0	1798.3	2031.9	2198.6	2297.0	2537.6
35°	510.6	696.3	909.5	1147.6	1408.2	1698.2	1961.2	2174.3	2280.4	2515.6	2961.7
32.5°	573.2	771.0	1009.1	1272.7	1560.3	1856.7	2114.6	2247.7	2450.1	2817.5	3700.7
30°	636.9	855.4	1107.0	1390.6	1705.2	1991.6	2199.2	2342.4	2643.2	3480.2	5865.7
27.5°	696.3	935.2	1208.2	1511.6	1836.9	2118.1	2260.1	2512.2	3117.7	4600.4	8691.7
25°	751.2	1009.1	1301.8	1627.5	1945.6	2188.5	2341.4	2670.7	3665.5	7081.4	11222.0
22.5°	806.8	1076.9	1387.6	1733.9	2045.4	2236.8	2477.1	3091.3	4877.6	9377.1	13543.4
20°	862.1	1147.6	1471.3	1827.8	2136.0	2280.8	2600.6	3520.7	6834.6	11357.8	15528.7
17.5°	911.4	1210.6	1549.9	1902.0	2180.1	2349.9	2751.2	3906.3	8595.7	13144.7	17255.1
15°	954.4	1265.6	1618.6	1967.0	2211.8	2439.5	3064.2	5187.4	10096.2	14677.1	18787.7
12.5°	991.1	1312.5	1677.3	2022.5	2238.9	2516.1	3332.3	6417.7	11350.3	15894.9	20164.0
10°	1021.2	1351.2	1725.6	2068.3	2261.2	2579.4	3554.1	7436.5	12390.5	16906.7	21310.0
7.5°	1044.8	1381.4	1763.4	2104.1	2278.7	2629.0	3728.1	8236.6	13208.5	17703.7	22214.5
5°	1061.7	1403.0	1790.5	2129.8	2291.3	2664.7	3853.1	8812.4	13797.7	18278.6	22867.8
2.5°	1071.8	1416.1	1806.9	2145.2	2298.9	2686.1	3928.5	9159.7	14153.3	18625.8	23262.8
0°	1075.2	1420.4	1812.3	2150.4	2301.4	2693.3	3953.7	9275.7	14272.2	18741.9	23395.0
-2.5°	1071.8	1416.1	1806.9	2145.2	2298.9	2686.1	3928.5	9159.7	14153.3	18625.8	23262.8
-5°	1061.7	1403.0	1790.5	2129.8	2291.3	2664.7	3853.1	8812.4	13797.7	18278.6	22867.8
-7.5°	1044.8	1381.4	1763.4	2104.1	2278.7	2629.0	3728.1	8236.6	13208.5	17703.7	22214.5
-10°	1021.2	1351.2	1725.6	2068.3	2261.2	2579.4	3554.1	7436.5	12390.5	16906.7	21310.0
-12.5°	991.1	1312.5	1677.3	2022.5	2238.9	2516.1	3332.3	6417.7	11350.3	15894.9	20164.0
-15°	954.4	1265.6	1618.6	1967.0	2211.8	2439.5	3064.2	5187.4	10096.2	14677.1	18787.7
-17.5°	911.4	1210.6	1549.9	1902.0	2180.1	2349.9	2751.2	3906.3	8595.7	13144.7	17255.1
-20°	862.1	1147.6	1471.3	1827.8	2136.0	2280.8	2600.6	3520.7	6834.6	11357.8	15528.7



REPORT NUMBER: P1305417 (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°	806.8	1076.9	1387.6	1733.9	2045.4	2236.8	2477.1	3091.3	4877.6	9377.1	13543.4
-25°	751.2	1009.1	1301.8	1627.5	1945.6	2188.5	2341.4	2670.7	3665.5	7081.4	11222.0
-27.5°	696.3	935.2	1208.2	1511.6	1836.9	2118.1	2260.1	2512.2	3117.7	4600.4	8691.7
-30°	636.9	855.4	1107.0	1390.6	1705.2	1991.6	2199.2	2342.4	2643.2	3480.2	5865.7
-32.5°	573.2	771.0	1009.1	1272.7	1560.3	1856.7	2114.6	2247.7	2450.1	2817.5	3700.7
-35°	510.6	696.3	909.5	1147.6	1408.2	1698.2	1961.2	2174.3	2280.4	2515.6	2961.7
-37.5°	453.0	617.3	804.3	1023.6	1265.6	1524.0	1798.3	2031.9	2198.6	2297.0	2537.6
-40°	392.3	534.3	708.7	903.8	1116.2	1351.2	1603.3	1852.6	2067.6	2206.7	2297.0
-42.5°	330.6	464.1	614.1	778.7	975.9	1184.1	1403.0	1643.3	1870.1	2067.6	2198.6
-45°	281.9	391.5	518.8	671.8	836.0	1019.6	1218.3	1420.4	1643.3	1852.6	2031.9
-47.5°	231.3	321.4	436.9	561.5	706.8	864.9	1034.2	1218.3	1403.0	1603.3	1798.3
-50°	185.3	264.1	352.2	464.4	584.6	718.5	864.9	1019.6	1184.1	1351.2	1524.0
-52.5°	156.9	205.1	284.0	370.4	473.6	584.6	706.8	836.0	975.9	1116.2	1265.6
-55°	127.7	167.2	218.3	290.6	370.4	464.4	561.5	671.8	778.7	903.8	1023.6
-57.5°	103.6	134.5	170.6	218.3	284.0	352.2	436.9	518.8	614.1	708.7	804.3
-60°	82.4	106.0	134.5	167.2	205.1	264.1	321.4	391.5	464.1	534.3	617.3
-62.5°	62.5	82.4	103.6	127.7	156.9	185.3	231.3	281.9	330.6	392.3	453.0
-65°	50.4	61.2	77.7	96.6	115.0	139.9	164.9	189.0	230.1	272.3	312.6
-67.5°	38.0	47.8	57.4	68.4	85.0	101.0	116.6	138.0	158.8	178.7	202.4
-70°	31.4	35.2	42.8	51.1	59.2	68.9	82.7	95.9	108.7	122.6	139.4
-72.5°	25.8	29.2	32.5	35.7	42.3	49.1	55.8	62.1	71.2	81.8	91.9
-75°	21.1	23.2	25.9	28.6	31.3	33.9	36.8	42.3	47.5	52.5	57.2
-77.5°	17.0	18.8	20.4	22.1	23.8	25.9	28.0	30.0	31.9	33.7	35.4
-80°	13.2	14.3	15.7	17.0	18.2	19.5	20.7	21.8	22.9	24.1	25.5
-82.5°	10.0	10.8	11.6	12.4	13.1	13.9	14.6	15.5	16.3	17.1	17.8
-85°	6.6	7.2	7.7	8.3	8.8	9.2	9.7	10.2	10.6	11.0	11.4
-87.5°	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.3	5.5	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



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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°	5.9	6.1	6.2	6.4	6.5	6.7	6.8	6.9	7.0	7.0	7.1
85°	11.8	12.1	12.5	12.8	13.0	13.3	13.5	13.7	13.9	14.1	14.2
82.5°	18.5	19.2	19.8	20.3	20.9	21.3	21.8	22.1	22.5	22.8	23.0
80°	26.8	28.0	29.2	30.3	31.2	32.1	32.9	33.6	34.3	34.8	35.2
77.5°	38.4	41.9	45.2	48.3	51.1	53.6	55.9	58.0	59.7	61.2	62.5
75°	61.7	67.0	74.1	80.8	87.0	92.6	97.6	102.1	106.0	109.3	112.0
72.5°	101.5	110.5	119.8	131.1	141.5	151.0	159.6	167.2	173.8	179.5	184.1
70°	155.3	170.2	184.2	201.6	224.5	245.3	264.1	280.8	295.4	307.8	318.0
67.5°	236.6	268.9	299.1	327.2	359.2	391.5	420.6	446.4	469.0	488.2	504.0
65°	356.1	405.3	451.4	494.3	534.3	579.4	620.1	656.4	688.0	714.9	737.1
62.5°	510.6	573.2	636.9	696.3	751.2	806.8	862.1	911.4	954.4	991.1	1021.2
60°	696.3	771.0	855.4	935.2	1009.1	1076.9	1147.6	1210.6	1265.6	1312.5	1351.2
57.5°	909.5	1009.1	1107.0	1208.2	1301.8	1387.6	1471.3	1549.9	1618.6	1677.3	1725.6
55°	1147.6	1272.7	1390.6	1511.6	1627.5	1733.9	1827.8	1902.0	1967.0	2022.5	2068.3
52.5°	1408.2	1560.3	1705.2	1836.9	1945.6	2045.4	2136.0	2180.1	2211.8	2238.9	2261.2
50°	1698.2	1856.7	1991.6	2118.1	2188.5	2236.8	2280.8	2349.9	2439.5	2516.1	2579.4
47.5°	1961.2	2114.6	2199.2	2260.1	2341.4	2477.1	2600.6	2751.2	3064.2	3332.3	3554.1
45°	2174.3	2247.7	2342.4	2512.2	2670.7	3091.3	3520.7	3906.3	5187.4	6417.7	7436.5
42.5°	2280.4	2450.1	2643.2	3117.7	3665.5	4877.6	6834.6	8595.7	10096.2	11350.3	12390.5
40°	2515.6	2817.5	3480.2	4600.4	7081.4	9377.1	11357.8	13144.7	14677.1	15894.9	16906.7
37.5°	2961.7	3700.7	5865.7	8691.7	11222.0	13543.4	15528.7	17255.1	18787.7	20164.0	21310.0
35°	3774.8	6505.5	9648.7	12477.1	15052.8	17280.7	19359.0	21299.6	23025.6	24672.0	26088.2
32.5°	6505.5	9958.3	13112.6	15927.5	18475.8	20950.6	23250.7	25608.2	27730.2	29881.0	31951.5
30°	9648.7	13112.6	16221.7	19095.9	21924.8	24746.3	27551.8	30610.2	33694.4	36728.0	40205.1
27.5°	12477.1	15927.5	19095.9	22252.9	25516.3	28769.7	32810.7	36942.8	42086.0	46597.3	50481.5
25°	15052.8	18475.8	21924.8	25516.3	29309.3	33932.2	39625.3	45790.7	51471.2	56498.1	60744.9
22.5°	17280.7	20950.6	24746.3	28769.7	33932.2	40532.2	47706.7	54494.2	60666.8	66130.9	71089.1
20°	19359.0	23250.7	27551.8	32810.7	39625.3	47706.7	55519.5	62806.3	69606.4	76402.3	82501.6
17.5°	21299.6	25608.2	30610.2	36942.8	45790.7	54494.2	62806.3	70905.3	79156.8	87735.0	95572.4
15°	23025.6	27730.2	33694.4	42086.0	51471.2	60666.8	69606.4	79156.8	89530.0	99993.1	110253.4
12.5°	24672.0	29881.0	36728.0	46597.3	56498.1	66130.9	76402.3	87735.0	99993.1	112745.4	121561.7
10°	26088.2	31951.5	40205.1	50481.5	60744.9	71089.1	82501.6	95572.4	110253.4	121561.7	130041.2
7.5°	27208.3	33593.8	42972.5	53586.1	64149.3	75373.0	88245.1	103066.7	117511.4	128332.7	135186.7
5°	28018.9	34784.8	44984.9	55851.7	66644.7	78531.2	92512.3	108752.8	122423.5	132271.3	138308.4
2.5°	28509.5	35506.8	46207.4	57231.2	68169.1	80468.7	95145.4	112290.4	125516.3	134453.3	139985.2
0°	28673.8	35748.8	46617.4	57694.6	68681.9	81122.0	96036.0	113492.3	126574.3	135123.6	140558.8
-2.5°	28509.5	35506.8	46207.4	57231.2	68169.1	80468.7	95145.4	112290.4	125516.3	134453.3	139985.2
-5°	28018.9	34784.8	44984.9	55851.7	66644.7	78531.2	92512.3	108752.8	122423.5	132271.3	138308.4
-7.5°	27208.3	33593.8	42972.5	53586.1	64149.3	75373.0	88245.1	103066.7	117511.4	128332.7	135186.7
-10°	26088.2	31951.5	40205.1	50481.5	60744.9	71089.1	82501.6	95572.4	110253.4	121561.7	130041.2
-12.5°	24672.0	29881.0	36728.0	46597.3	56498.1	66130.9	76402.3	87735.0	99993.1	112745.4	121561.7
-15°	23025.6	27730.2	33694.4	42086.0	51471.2	60666.8	69606.4	79156.8	89530.0	99993.1	110253.4
-17.5°	21299.6	25608.2	30610.2	36942.8	45790.7	54494.2	62806.3	70905.3	79156.8	87735.0	95572.4
-20°	19359.0	23250.7	27551.8	32810.7	39625.3	47706.7	55519.5	62806.3	69606.4	76402.3	82501.6



REPORT NUMBER: P1305417 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	17280.7	20950.6	24746.3	28769.7	33932.2	40532.2	47706.7	54494.2	60666.8	66130.9	71089.1
-25°	15052.8	18475.8	21924.8	25516.3	29309.3	33932.2	39625.3	45790.7	51471.2	56498.1	60744.9
-27.5°	12477.1	15927.5	19095.9	22252.9	25516.3	28769.7	32810.7	36942.8	42086.0	46597.3	50481.5
-30°	9648.7	13112.6	16221.7	19095.9	21924.8	24746.3	27551.8	30610.2	33694.4	36728.0	40205.1
-32.5°	6505.5	9958.3	13112.6	15927.5	18475.8	20950.6	23250.7	25608.2	27730.2	29881.0	31951.5
-35°	3774.8	6505.5	9648.7	12477.1	15052.8	17280.7	19359.0	21299.6	23025.6	24672.0	26088.2
-37.5°	2961.7	3700.7	5865.7	8691.7	11222.0	13543.4	15528.7	17255.1	18787.7	20164.0	21310.0
-40°	2515.6	2817.5	3480.2	4600.4	7081.4	9377.1	11357.8	13144.7	14677.1	15894.9	16906.7
-42.5°	2280.4	2450.1	2643.2	3117.7	3665.5	4877.6	6834.6	8595.7	10096.2	11350.3	12390.5
-45°	2174.3	2247.7	2342.4	2512.2	2670.7	3091.3	3520.7	3906.3	5187.4	6417.7	7436.5
-47.5°	1961.2	2114.6	2199.2	2260.1	2341.4	2477.1	2600.6	2751.2	3064.2	3332.3	3554.1
-50°	1698.2	1856.7	1991.6	2118.1	2188.5	2236.8	2280.8	2349.9	2439.5	2516.1	2579.4
-52.5°	1408.2	1560.3	1705.2	1836.9	1945.6	2045.4	2136.0	2180.1	2211.8	2238.9	2261.2
-55°	1147.6	1272.7	1390.6	1511.6	1627.5	1733.9	1827.8	1902.0	1967.0	2022.5	2068.3
-57.5°	909.5	1009.1	1107.0	1208.2	1301.8	1387.6	1471.3	1549.9	1618.6	1677.3	1725.6
-60°	696.3	771.0	855.4	935.2	1009.1	1076.9	1147.6	1210.6	1265.6	1312.5	1351.2
-62.5°	510.6	573.2	636.9	696.3	751.2	806.8	862.1	911.4	954.4	991.1	1021.2
-65°	356.1	405.3	451.4	494.3	534.3	579.4	620.1	656.4	688.0	714.9	737.1
-67.5°	236.6	268.9	299.1	327.2	359.2	391.5	420.6	446.4	469.0	488.2	504.0
-70°	155.3	170.2	184.2	201.6	224.5	245.3	264.1	280.8	295.4	307.8	318.0
-72.5°	101.5	110.5	119.8	131.1	141.5	151.0	159.6	167.2	173.8	179.5	184.1
-75°	61.7	67.0	74.1	80.8	87.0	92.6	97.6	102.1	106.0	109.3	112.0
-77.5°	38.4	41.9	45.2	48.3	51.1	53.6	55.9	58.0	59.7	61.2	62.5
-80°	26.8	28.0	29.2	30.3	31.2	32.1	32.9	33.6	34.3	34.8	35.2
-82.5°	18.5	19.2	19.8	20.3	20.9	21.3	21.8	22.1	22.5	22.8	23.0
-85°	11.8	12.1	12.5	12.8	13.0	13.3	13.5	13.7	13.9	14.1	14.2
-87.5°	5.9	6.1	6.2	6.4	6.5	6.7	6.8	6.9	7.0	7.0	7.1
-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: P1305417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-40-70-5S-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°	7.1	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.0	7.0	6.9
85°	14.3	14.3	14.4	14.4	14.4	14.3	14.3	14.2	14.1	13.9	13.7
82.5°	23.2	23.3	23.4	23.4	23.4	23.3	23.2	23.0	22.8	22.5	22.1
80°	35.6	35.8	36.0	36.0	36.0	35.8	35.6	35.2	34.8	34.3	33.6
77.5°	63.5	64.1	64.6	64.7	64.6	64.1	63.5	62.5	61.2	59.7	58.0
75°	114.2	115.7	116.6	116.9	116.6	115.7	114.2	112.0	109.3	106.0	102.1
72.5°	187.7	190.3	191.9	192.4	191.9	190.3	187.7	184.1	179.5	173.8	167.2
70°	325.9	331.6	335.1	336.2	335.1	331.6	325.9	318.0	307.8	295.4	280.8
67.5°	516.3	525.1	530.4	532.2	530.4	525.1	516.3	504.0	488.2	469.0	446.4
65°	754.4	766.8	774.2	776.7	774.2	766.8	754.4	737.1	714.9	688.0	656.4
62.5°	1044.8	1061.7	1071.8	1075.2	1071.8	1061.7	1044.8	1021.2	991.1	954.4	911.4
60°	1381.4	1403.0	1416.1	1420.4	1416.1	1403.0	1381.4	1351.2	1312.5	1265.6	1210.6
57.5°	1763.4	1790.5	1806.9	1812.3	1806.9	1790.5	1763.4	1725.6	1677.3	1618.6	1549.9
55°	2104.1	2129.8	2145.2	2150.4	2145.2	2129.8	2104.1	2068.3	2022.5	1967.0	1902.0
52.5°	2278.7	2291.3	2298.9	2301.4	2298.9	2291.3	2278.7	2261.2	2238.9	2211.8	2180.1
50°	2629.0	2664.7	2686.1	2693.3	2686.1	2664.7	2629.0	2579.4	2516.1	2439.5	2349.9
47.5°	3728.1	3853.1	3928.5	3953.7	3928.5	3853.1	3728.1	3554.1	3332.3	3064.2	2751.2
45°	8236.6	8812.4	9159.7	9275.7	9159.7	8812.4	8236.6	7436.5	6417.7	5187.4	3906.3
42.5°	13208.5	13797.7	14153.3	14272.2	14153.3	13797.7	13208.5	12390.5	11350.3	10096.2	8595.7
40°	17703.7	18278.6	18625.8	18741.9	18625.8	18278.6	17703.7	16906.7	15894.9	14677.1	13144.7
37.5°	22214.5	22867.8	23262.8	23395.0	23262.8	22867.8	22214.5	21310.0	20164.0	18787.7	17255.1
35°	27208.3	28018.9	28509.5	28673.8	28509.5	28018.9	27208.3	26088.2	24672.0	23025.6	21299.6
32.5°	33593.8	34784.8	35506.8	35748.8	35506.8	34784.8	33593.8	31951.5	29881.0	27730.2	25608.2
30°	42972.5	44984.9	46207.4	46617.4	46207.4	44984.9	42972.5	40205.1	36728.0	33694.4	30610.2
27.5°	53586.1	55851.7	57231.2	57694.6	57231.2	55851.7	53586.1	50481.5	46597.3	42086.0	36942.8
25°	64149.3	66644.7	68169.1	68681.9	68169.1	66644.7	64149.3	60744.9	56498.1	51471.2	45790.7
22.5°	75373.0	78531.2	80468.7	81122.0	80468.7	78531.2	75373.0	71089.1	66130.9	60666.8	54494.2
20°	88245.1	92512.3	95145.4	96036.0	95145.4	92512.3	88245.1	82501.6	76402.3	69606.4	62806.3
17.5°	103066.7	108752.8	112290.4	113492.3	112290.4	108752.8	103066.7	95572.4	87735.0	79156.8	70905.3
15°	117511.4	122423.5	125516.3	126574.3	125516.3	122423.5	117511.4	110253.4	99993.1	89530.0	79156.8
12.5°	128332.7	132271.3	134453.3	135123.6	134453.3	132271.3	128332.7	121561.7	112745.4	99993.1	87735.0
10°	135186.7	138308.4	139985.2	140558.8	139985.2	138308.4	135186.7	130041.2	121561.7	110253.4	95572.4
7.5°	139445.5	142351.4	144096.9	144712.1	144096.9	142351.4	139445.5	135186.7	128332.7	117511.4	103066.7
5°	142351.4	145372.9	147247.3	147818.9	147247.3	145372.9	142351.4	138308.4	132271.3	122423.5	108752.8
2.5°	144096.9	147247.3	148148.1	148117.4	148148.1	147247.3	144096.9	139985.2	134453.3	125516.3	112290.4
0°	144712.1	147818.9	148117.4	147545.6	148117.4	147818.9	144712.1	140558.8	135123.6	126574.3	113492.3
-2.5°	144096.9	147247.3	148148.1	148117.4	148148.1	147247.3	144096.9	139985.2	134453.3	125516.3	112290.4
-5°	142351.4	145372.9	147247.3	147818.9	147247.3	145372.9	142351.4	138308.4	132271.3	122423.5	108752.8
-7.5°	139445.5	142351.4	144096.9	144712.1	144096.9	142351.4	139445.5	135186.7	128332.7	117511.4	103066.7
-10°	135186.7	138308.4	139985.2	140558.8	139985.2	138308.4	135186.7	130041.2	121561.7	110253.4	95572.4
-12.5°	128332.7	132271.3	134453.3	135123.6	134453.3	132271.3	128332.7	121561.7	112745.4	99993.1	87735.0
-15°	117511.4	122423.5	125516.3	126574.3	125516.3	122423.5	117511.4	110253.4	99993.1	89530.0	79156.8
-17.5°	103066.7	108752.8	112290.4	113492.3	112290.4	108752.8	103066.7	95572.4	87735.0	79156.8	70905.3
-20°	88245.1	92512.3	95145.4	96036.0	95145.4	92512.3	88245.1	82501.6	76402.3	69606.4	62806.3



REPORT NUMBER: P1305417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-40-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	75373.0	78531.2	80468.7	81122.0	80468.7	78531.2	75373.0	71089.1	66130.9	60666.8	54494.2
-25°	64149.3	66644.7	68169.1	68681.9	68169.1	66644.7	64149.3	60744.9	56498.1	51471.2	45790.7
-27.5°	53586.1	55851.7	57231.2	57694.6	57231.2	55851.7	53586.1	50481.5	46597.3	42086.0	36942.8
-30°	42972.5	44984.9	46207.4	46617.4	46207.4	44984.9	42972.5	40205.1	36728.0	33694.4	30610.2
-32.5°	33593.8	34784.8	35506.8	35748.8	35506.8	34784.8	33593.8	31951.5	29881.0	27730.2	25608.2
-35°	27208.3	28018.9	28509.5	28673.8	28509.5	28018.9	27208.3	26088.2	24672.0	23025.6	21299.6
-37.5°	22214.5	22867.8	23262.8	23395.0	23262.8	22867.8	22214.5	21310.0	20164.0	18787.7	17255.1
-40°	17703.7	18278.6	18625.8	18741.9	18625.8	18278.6	17703.7	16906.7	15894.9	14677.1	13144.7
-42.5°	13208.5	13797.7	14153.3	14272.2	14153.3	13797.7	13208.5	12390.5	11350.3	10096.2	8595.7
-45°	8236.6	8812.4	9159.7	9275.7	9159.7	8812.4	8236.6	7436.5	6417.7	5187.4	3906.3
-47.5°	3728.1	3853.1	3928.5	3953.7	3928.5	3853.1	3728.1	3554.1	3332.3	3064.2	2751.2
-50°	2629.0	2664.7	2686.1	2693.3	2686.1	2664.7	2629.0	2579.4	2516.1	2439.5	2349.9
-52.5°	2278.7	2291.3	2298.9	2301.4	2298.9	2291.3	2278.7	2261.2	2238.9	2211.8	2180.1
-55°	2104.1	2129.8	2145.2	2150.4	2145.2	2129.8	2104.1	2068.3	2022.5	1967.0	1902.0
-57.5°	1763.4	1790.5	1806.9	1812.3	1806.9	1790.5	1763.4	1725.6	1677.3	1618.6	1549.9
-60°	1381.4	1403.0	1416.1	1420.4	1416.1	1403.0	1381.4	1351.2	1312.5	1265.6	1210.6
-62.5°	1044.8	1061.7	1071.8	1075.2	1071.8	1061.7	1044.8	1021.2	991.1	954.4	911.4
-65°	754.4	766.8	774.2	776.7	774.2	766.8	754.4	737.1	714.9	688.0	656.4
-67.5°	516.3	525.1	530.4	532.2	530.4	525.1	516.3	504.0	488.2	469.0	446.4
-70°	325.9	331.6	335.1	336.2	335.1	331.6	325.9	318.0	307.8	295.4	280.8
-72.5°	187.7	190.3	191.9	192.4	191.9	190.3	187.7	184.1	179.5	173.8	167.2
-75°	114.2	115.7	116.6	116.9	116.6	115.7	114.2	112.0	109.3	106.0	102.1
-77.5°	63.5	64.1	64.6	64.7	64.6	64.1	63.5	62.5	61.2	59.7	58.0
-80°	35.6	35.8	36.0	36.0	36.0	35.8	35.6	35.2	34.8	34.3	33.6
-82.5°	23.2	23.3	23.4	23.4	23.4	23.3	23.2	23.0	22.8	22.5	22.1
-85°	14.3	14.3	14.4	14.4	14.4	14.3	14.3	14.2	14.1	13.9	13.7
-87.5°	7.1	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.0	7.0	6.9
-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°	6.8	6.7	6.5	6.4	6.2	6.1	5.9	5.7	5.5	5.3	5.1
85°	13.5	13.3	13.0	12.8	12.5	12.1	11.8	11.4	11.0	10.6	10.2
82.5°	21.8	21.3	20.9	20.3	19.8	19.2	18.5	17.8	17.1	16.3	15.5
80°	32.9	32.1	31.2	30.3	29.2	28.0	26.8	25.5	24.1	22.9	21.8
77.5°	55.9	53.6	51.1	48.3	45.2	41.9	38.4	35.4	33.7	31.9	30.0
75°	97.6	92.6	87.0	80.8	74.1	67.0	61.7	57.2	52.5	47.5	42.3
72.5°	159.6	151.0	141.5	131.1	119.8	110.5	101.5	91.9	81.8	71.2	62.1
70°	264.1	245.3	224.5	201.6	184.2	170.2	155.3	139.4	122.6	108.7	95.9
67.5°	420.6	391.5	359.2	327.2	299.1	268.9	236.6	202.4	178.7	158.8	138.0
65°	620.1	579.4	534.3	494.3	451.4	405.3	356.1	312.6	272.3	230.1	189.0
62.5°	862.1	806.8	751.2	696.3	636.9	573.2	510.6	453.0	392.3	330.6	281.9
60°	1147.6	1076.9	1009.1	935.2	855.4	771.0	696.3	617.3	534.3	464.1	391.5
57.5°	1471.3	1387.6	1301.8	1208.2	1107.0	1009.1	909.5	804.3	708.7	614.1	518.8
55°	1827.8	1733.9	1627.5	1511.6	1390.6	1272.7	1147.6	1023.6	903.8	778.7	671.8
52.5°	2136.0	2045.4	1945.6	1836.9	1705.2	1560.3	1408.2	1265.6	1116.2	975.9	836.0
50°	2280.8	2236.8	2188.5	2118.1	1991.6	1856.7	1698.2	1524.0	1351.2	1184.1	1019.6
47.5°	2600.6	2477.1	2341.4	2260.1	2199.2	2114.6	1961.2	1798.3	1603.3	1403.0	1218.3
45°	3520.7	3091.3	2670.7	2512.2	2342.4	2247.7	2174.3	2031.9	1852.6	1643.3	1420.4
42.5°	6834.6	4877.6	3665.5	3117.7	2643.2	2450.1	2280.4	2198.6	2067.6	1870.1	1643.3
40°	11357.8	9377.1	7081.4	4600.4	3480.2	2817.5	2515.6	2297.0	2206.7	2067.6	1852.6
37.5°	15528.7	13543.4	11222.0	8691.7	5865.7	3700.7	2961.7	2537.6	2297.0	2198.6	2031.9
35°	19359.0	17280.7	15052.8	12477.1	9648.7	6505.5	3774.8	2961.7	2515.6	2280.4	2174.3
32.5°	23250.7	20950.6	18475.8	15927.5	13112.6	9958.3	6505.5	3700.7	2817.5	2450.1	2247.7
30°	27551.8	24746.3	21924.8	19095.9	16221.7	13112.6	9648.7	5865.7	3480.2	2643.2	2342.4
27.5°	32810.7	28769.7	25516.3	22252.9	19095.9	15927.5	12477.1	8691.7	4600.4	3117.7	2512.2
25°	39625.3	33932.2	29309.3	25516.3	21924.8	18475.8	15052.8	11222.0	7081.4	3665.5	2670.7
22.5°	47706.7	40532.2	33932.2	28769.7	24746.3	20950.6	17280.7	13543.4	9377.1	4877.6	3091.3
20°	55519.5	47706.7	39625.3	32810.7	27551.8	23250.7	19359.0	15528.7	11357.8	6834.6	3520.7
17.5°	62806.3	54494.2	45790.7	36942.8	30610.2	25608.2	21299.6	17255.1	13144.7	8595.7	3906.3
15°	69606.4	60666.8	51471.2	42086.0	33694.4	27730.2	23025.6	18787.7	14677.1	10096.2	5187.4
12.5°	76402.3	66130.9	56498.1	46597.3	36728.0	29881.0	24672.0	20164.0	15894.9	11350.3	6417.7
10°	82501.6	71089.1	60744.9	50481.5	40205.1	31951.5	26088.2	21310.0	16906.7	12390.5	7436.5
7.5°	88245.1	75373.0	64149.3	53586.1	42972.5	33593.8	27208.3	22214.5	17703.7	13208.5	8236.6
5°	92512.3	78531.2	66644.7	55851.7	44984.9	34784.8	28018.9	22867.8	18278.6	13797.7	8812.4
2.5°	95145.4	80468.7	68169.1	57231.2	46207.4	35506.8	28509.5	23262.8	18625.8	14153.3	9159.7
0°	96036.0	81122.0	68681.9	57694.6	46617.4	35748.8	28673.8	23395.0	18741.9	14272.2	9275.7
-2.5°	95145.4	80468.7	68169.1	57231.2	46207.4	35506.8	28509.5	23262.8	18625.8	14153.3	9159.7
-5°	92512.3	78531.2	66644.7	55851.7	44984.9	34784.8	28018.9	22867.8	18278.6	13797.7	8812.4
-7.5°	88245.1	75373.0	64149.3	53586.1	42972.5	33593.8	27208.3	22214.5	17703.7	13208.5	8236.6
-10°	82501.6	71089.1	60744.9	50481.5	40205.1	31951.5	26088.2	21310.0	16906.7	12390.5	7436.5
-12.5°	76402.3	66130.9	56498.1	46597.3	36728.0	29881.0	24672.0	20164.0	15894.9	11350.3	6417.7
-15°	69606.4	60666.8	51471.2	42086.0	33694.4	27730.2	23025.6	18787.7	14677.1	10096.2	5187.4
-17.5°	62806.3	54494.2	45790.7	36942.8	30610.2	25608.2	21299.6	17255.1	13144.7	8595.7	3906.3
-20°	55519.5	47706.7	39625.3	32810.7	27551.8	23250.7	19359.0	15528.7	11357.8	6834.6	3520.7



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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°	47706.7	40532.2	33932.2	28769.7	24746.3	20950.6	17280.7	13543.4	9377.1	4877.6	3091.3
-25°	39625.3	33932.2	29309.3	25516.3	21924.8	18475.8	15052.8	11222.0	7081.4	3665.5	2670.7
-27.5°	32810.7	28769.7	25516.3	22252.9	19095.9	15927.5	12477.1	8691.7	4600.4	3117.7	2512.2
-30°	27551.8	24746.3	21924.8	19095.9	16221.7	13112.6	9648.7	5865.7	3480.2	2643.2	2342.4
-32.5°	23250.7	20950.6	18475.8	15927.5	13112.6	9958.3	6505.5	3700.7	2817.5	2450.1	2247.7
-35°	19359.0	17280.7	15052.8	12477.1	9648.7	6505.5	3774.8	2961.7	2515.6	2280.4	2174.3
-37.5°	15528.7	13543.4	11222.0	8691.7	5865.7	3700.7	2961.7	2537.6	2297.0	2198.6	2031.9
-40°	11357.8	9377.1	7081.4	4600.4	3480.2	2817.5	2515.6	2297.0	2206.7	2067.6	1852.6
-42.5°	6834.6	4877.6	3665.5	3117.7	2643.2	2450.1	2280.4	2198.6	2067.6	1870.1	1643.3
-45°	3520.7	3091.3	2670.7	2512.2	2342.4	2247.7	2174.3	2031.9	1852.6	1643.3	1420.4
-47.5°	2600.6	2477.1	2341.4	2260.1	2199.2	2114.6	1961.2	1798.3	1603.3	1403.0	1218.3
-50°	2280.8	2236.8	2188.5	2118.1	1991.6	1856.7	1698.2	1524.0	1351.2	1184.1	1019.6
-52.5°	2136.0	2045.4	1945.6	1836.9	1705.2	1560.3	1408.2	1265.6	1116.2	975.9	836.0
-55°	1827.8	1733.9	1627.5	1511.6	1390.6	1272.7	1147.6	1023.6	903.8	778.7	671.8
-57.5°	1471.3	1387.6	1301.8	1208.2	1107.0	1009.1	909.5	804.3	708.7	614.1	518.8
-60°	1147.6	1076.9	1009.1	935.2	855.4	771.0	696.3	617.3	534.3	464.1	391.5
-62.5°	862.1	806.8	751.2	696.3	636.9	573.2	510.6	453.0	392.3	330.6	281.9
-65°	620.1	579.4	534.3	494.3	451.4	405.3	356.1	312.6	272.3	230.1	189.0
-67.5°	420.6	391.5	359.2	327.2	299.1	268.9	236.6	202.4	178.7	158.8	138.0
-70°	264.1	245.3	224.5	201.6	184.2	170.2	155.3	139.4	122.6	108.7	95.9
-72.5°	159.6	151.0	141.5	131.1	119.8	110.5	101.5	91.9	81.8	71.2	62.1
-75°	97.6	92.6	87.0	80.8	74.1	67.0	61.7	57.2	52.5	47.5	42.3
-77.5°	55.9	53.6	51.1	48.3	45.2	41.9	38.4	35.4	33.7	31.9	30.0
-80°	32.9	32.1	31.2	30.3	29.2	28.0	26.8	25.5	24.1	22.9	21.8
-82.5°	21.8	21.3	20.9	20.3	19.8	19.2	18.5	17.8	17.1	16.3	15.5
-85°	13.5	13.3	13.0	12.8	12.5	12.1	11.8	11.4	11.0	10.6	10.2
-87.5°	6.8	6.7	6.5	6.4	6.2	6.1	5.9	5.7	5.5	5.3	5.1
-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: P1305417 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-40-70-5S-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°	4.9	4.6	4.4	4.1	3.9	3.6	3.3	3.0	2.8	2.5	2.2
85°	9.7	9.2	8.8	8.3	7.7	7.2	6.6	6.1	5.5	4.9	4.3
82.5°	14.6	13.9	13.1	12.4	11.6	10.8	10.0	9.1	8.2	7.4	6.5
80°	20.7	19.5	18.2	17.0	15.7	14.3	13.2	12.1	11.0	9.8	8.6
77.5°	28.0	25.9	23.8	22.1	20.4	18.8	17.0	15.3	13.7	12.2	10.7
75°	36.8	33.9	31.3	28.6	25.9	23.2	21.1	19.0	16.9	14.7	12.9
72.5°	55.8	49.1	42.3	35.7	32.5	29.2	25.8	22.7	20.2	17.7	15.1
70°	82.7	68.9	59.2	51.1	42.8	35.2	31.4	27.5	23.5	20.6	17.7
67.5°	116.6	101.0	85.0	68.4	57.4	47.8	38.0	32.5	28.0	23.5	20.2
65°	164.9	139.9	115.0	96.6	77.7	61.2	50.4	39.3	32.5	27.5	22.7
62.5°	231.3	185.3	156.9	127.7	103.6	82.4	62.5	50.4	38.0	31.4	25.8
60°	321.4	264.1	205.1	167.2	134.5	106.0	82.4	61.2	47.8	35.2	29.2
57.5°	436.9	352.2	284.0	218.3	170.6	134.5	103.6	77.7	57.4	42.8	32.5
55°	561.5	464.4	370.4	290.6	218.3	167.2	127.7	96.6	68.4	51.1	35.7
52.5°	706.8	584.6	473.6	370.4	284.0	205.1	156.9	115.0	85.0	59.2	42.3
50°	864.9	718.5	584.6	464.4	352.2	264.1	185.3	139.9	101.0	68.9	49.1
47.5°	1034.2	864.9	706.8	561.5	436.9	321.4	231.3	164.9	116.6	82.7	55.8
45°	1218.3	1019.6	836.0	671.8	518.8	391.5	281.9	189.0	138.0	95.9	62.1
42.5°	1403.0	1184.1	975.9	778.7	614.1	464.1	330.6	230.1	158.8	108.7	71.2
40°	1603.3	1351.2	1116.2	903.8	708.7	534.3	392.3	272.3	178.7	122.6	81.8
37.5°	1798.3	1524.0	1265.6	1023.6	804.3	617.3	453.0	312.6	202.4	139.4	91.9
35°	1961.2	1698.2	1408.2	1147.6	909.5	696.3	510.6	356.1	236.6	155.3	101.5
32.5°	2114.6	1856.7	1560.3	1272.7	1009.1	771.0	573.2	405.3	268.9	170.2	110.5
30°	2199.2	1991.6	1705.2	1390.6	1107.0	855.4	636.9	451.4	299.1	184.2	119.8
27.5°	2260.1	2118.1	1836.9	1511.6	1208.2	935.2	696.3	494.3	327.2	201.6	131.1
25°	2341.4	2188.5	1945.6	1627.5	1301.8	1009.1	751.2	534.3	359.2	224.5	141.5
22.5°	2477.1	2236.8	2045.4	1733.9	1387.6	1076.9	806.8	579.4	391.5	245.3	151.0
20°	2600.6	2280.8	2136.0	1827.8	1471.3	1147.6	862.1	620.1	420.6	264.1	159.6
17.5°	2751.2	2349.9	2180.1	1902.0	1549.9	1210.6	911.4	656.4	446.4	280.8	167.2
15°	3064.2	2439.5	2211.8	1967.0	1618.6	1265.6	954.4	688.0	469.0	295.4	173.8
12.5°	3332.3	2516.1	2238.9	2022.5	1677.3	1312.5	991.1	714.9	488.2	307.8	179.5
10°	3554.1	2579.4	2261.2	2068.3	1725.6	1351.2	1021.2	737.1	504.0	318.0	184.1
7.5°	3728.1	2629.0	2278.7	2104.1	1763.4	1381.4	1044.8	754.4	516.3	325.9	187.7
5°	3853.1	2664.7	2291.3	2129.8	1790.5	1403.0	1061.7	766.8	525.1	331.6	190.3
2.5°	3928.5	2686.1	2298.9	2145.2	1806.9	1416.1	1071.8	774.2	530.4	335.1	191.9
0°	3953.7	2693.3	2301.4	2150.4	1812.3	1420.4	1075.2	776.7	532.2	336.2	192.4
-2.5°	3928.5	2686.1	2298.9	2145.2	1806.9	1416.1	1071.8	774.2	530.4	335.1	191.9
-5°	3853.1	2664.7	2291.3	2129.8	1790.5	1403.0	1061.7	766.8	525.1	331.6	190.3
-7.5°	3728.1	2629.0	2278.7	2104.1	1763.4	1381.4	1044.8	754.4	516.3	325.9	187.7
-10°	3554.1	2579.4	2261.2	2068.3	1725.6	1351.2	1021.2	737.1	504.0	318.0	184.1
-12.5°	3332.3	2516.1	2238.9	2022.5	1677.3	1312.5	991.1	714.9	488.2	307.8	179.5
-15°	3064.2	2439.5	2211.8	1967.0	1618.6	1265.6	954.4	688.0	469.0	295.4	173.8
-17.5°	2751.2	2349.9	2180.1	1902.0	1549.9	1210.6	911.4	656.4	446.4	280.8	167.2
-20°	2600.6	2280.8	2136.0	1827.8	1471.3	1147.6	862.1	620.1	420.6	264.1	159.6



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2477.1	2236.8	2045.4	1733.9	1387.6	1076.9	806.8	579.4	391.5	245.3	151.0
-25°	2341.4	2188.5	1945.6	1627.5	1301.8	1009.1	751.2	534.3	359.2	224.5	141.5
-27.5°	2260.1	2118.1	1836.9	1511.6	1208.2	935.2	696.3	494.3	327.2	201.6	131.1
-30°	2199.2	1991.6	1705.2	1390.6	1107.0	855.4	636.9	451.4	299.1	184.2	119.8
-32.5°	2114.6	1856.7	1560.3	1272.7	1009.1	771.0	573.2	405.3	268.9	170.2	110.5
-35°	1961.2	1698.2	1408.2	1147.6	909.5	696.3	510.6	356.1	236.6	155.3	101.5
-37.5°	1798.3	1524.0	1265.6	1023.6	804.3	617.3	453.0	312.6	202.4	139.4	91.9
-40°	1603.3	1351.2	1116.2	903.8	708.7	534.3	392.3	272.3	178.7	122.6	81.8
-42.5°	1403.0	1184.1	975.9	778.7	614.1	464.1	330.6	230.1	158.8	108.7	71.2
-45°	1218.3	1019.6	836.0	671.8	518.8	391.5	281.9	189.0	138.0	95.9	62.1
-47.5°	1034.2	864.9	706.8	561.5	436.9	321.4	231.3	164.9	116.6	82.7	55.8
-50°	864.9	718.5	584.6	464.4	352.2	264.1	185.3	139.9	101.0	68.9	49.1
-52.5°	706.8	584.6	473.6	370.4	284.0	205.1	156.9	115.0	85.0	59.2	42.3
-55°	561.5	464.4	370.4	290.6	218.3	167.2	127.7	96.6	68.4	51.1	35.7
-57.5°	436.9	352.2	284.0	218.3	170.6	134.5	103.6	77.7	57.4	42.8	32.5
-60°	321.4	264.1	205.1	167.2	134.5	106.0	82.4	61.2	47.8	35.2	29.2
-62.5°	231.3	185.3	156.9	127.7	103.6	82.4	62.5	50.4	38.0	31.4	25.8
-65°	164.9	139.9	115.0	96.6	77.7	61.2	50.4	39.3	32.5	27.5	22.7
-67.5°	116.6	101.0	85.0	68.4	57.4	47.8	38.0	32.5	28.0	23.5	20.2
-70°	82.7	68.9	59.2	51.1	42.8	35.2	31.4	27.5	23.5	20.6	17.7
-72.5°	55.8	49.1	42.3	35.7	32.5	29.2	25.8	22.7	20.2	17.7	15.1
-75°	36.8	33.9	31.3	28.6	25.9	23.2	21.1	19.0	16.9	14.7	12.9
-77.5°	28.0	25.9	23.8	22.1	20.4	18.8	17.0	15.3	13.7	12.2	10.7
-80°	20.7	19.5	18.2	17.0	15.7	14.3	13.2	12.1	11.0	9.8	8.6
-82.5°	14.6	13.9	13.1	12.4	11.6	10.8	10.0	9.1	8.2	7.4	6.5
-85°	9.7	9.2	8.8	8.3	7.7	7.2	6.6	6.1	5.5	4.9	4.3
-87.5°	4.9	4.6	4.4	4.1	3.9	3.6	3.3	3.0	2.8	2.5	2.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	1.6	1.2	0.9	0.6	0.3	0.0
85°	3.7	3.1	2.5	1.9	1.3	0.6	0.0
82.5°	5.6	4.7	3.7	2.8	1.9	0.9	0.0
80°	7.4	6.2	5.0	3.7	2.5	1.2	0.0
77.5°	9.2	7.7	6.2	4.7	3.1	1.6	0.0
75°	11.1	9.2	7.4	5.6	3.7	1.9	0.0
72.5°	12.9	10.7	8.6	6.5	4.3	2.2	0.0
70°	14.7	12.2	9.8	7.4	4.9	2.5	0.0
67.5°	16.9	13.7	11.0	8.2	5.5	2.8	0.0
65°	19.0	15.3	12.1	9.1	6.1	3.0	0.0
62.5°	21.1	17.0	13.2	10.0	6.6	3.3	0.0
60°	23.2	18.8	14.3	10.8	7.2	3.6	0.0
57.5°	25.9	20.4	15.7	11.6	7.7	3.9	0.0
55°	28.6	22.1	17.0	12.4	8.3	4.1	0.0
52.5°	31.3	23.8	18.2	13.1	8.8	4.4	0.0
50°	33.9	25.9	19.5	13.9	9.2	4.6	0.0
47.5°	36.8	28.0	20.7	14.6	9.7	4.9	0.0
45°	42.3	30.0	21.8	15.5	10.2	5.1	0.0
42.5°	47.5	31.9	22.9	16.3	10.6	5.3	0.0
40°	52.5	33.7	24.1	17.1	11.0	5.5	0.0
37.5°	57.2	35.4	25.5	17.8	11.4	5.7	0.0
35°	61.7	38.4	26.8	18.5	11.8	5.9	0.0
32.5°	67.0	41.9	28.0	19.2	12.1	6.1	0.0
30°	74.1	45.2	29.2	19.8	12.5	6.2	0.0
27.5°	80.8	48.3	30.3	20.3	12.8	6.4	0.0
25°	87.0	51.1	31.2	20.9	13.0	6.5	0.0
22.5°	92.6	53.6	32.1	21.3	13.3	6.7	0.0
20°	97.6	55.9	32.9	21.8	13.5	6.8	0.0
17.5°	102.1	58.0	33.6	22.1	13.7	6.9	0.0
15°	106.0	59.7	34.3	22.5	13.9	7.0	0.0
12.5°	109.3	61.2	34.8	22.8	14.1	7.0	0.0
10°	112.0	62.5	35.2	23.0	14.2	7.1	0.0
7.5°	114.2	63.5	35.6	23.2	14.3	7.1	0.0
5°	115.7	64.1	35.8	23.3	14.3	7.2	0.0
2.5°	116.6	64.6	36.0	23.4	14.4	7.2	0.0
0°	116.9	64.7	36.0	23.4	14.4	7.2	0.0
-2.5°	116.6	64.6	36.0	23.4	14.4	7.2	0.0
-5°	115.7	64.1	35.8	23.3	14.3	7.2	0.0
-7.5°	114.2	63.5	35.6	23.2	14.3	7.1	0.0
-10°	112.0	62.5	35.2	23.0	14.2	7.1	0.0
-12.5°	109.3	61.2	34.8	22.8	14.1	7.0	0.0
-15°	106.0	59.7	34.3	22.5	13.9	7.0	0.0
-17.5°	102.1	58.0	33.6	22.1	13.7	6.9	0.0
-20°	97.6	55.9	32.9	21.8	13.5	6.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	92.6	53.6	32.1	21.3	13.3	6.7	0.0
-25°	87.0	51.1	31.2	20.9	13.0	6.5	0.0
-27.5°	80.8	48.3	30.3	20.3	12.8	6.4	0.0
-30°	74.1	45.2	29.2	19.8	12.5	6.2	0.0
-32.5°	67.0	41.9	28.0	19.2	12.1	6.1	0.0
-35°	61.7	38.4	26.8	18.5	11.8	5.9	0.0
-37.5°	57.2	35.4	25.5	17.8	11.4	5.7	0.0
-40°	52.5	33.7	24.1	17.1	11.0	5.5	0.0
-42.5°	47.5	31.9	22.9	16.3	10.6	5.3	0.0
-45°	42.3	30.0	21.8	15.5	10.2	5.1	0.0
-47.5°	36.8	28.0	20.7	14.6	9.7	4.9	0.0
-50°	33.9	25.9	19.5	13.9	9.2	4.6	0.0
-52.5°	31.3	23.8	18.2	13.1	8.8	4.4	0.0
-55°	28.6	22.1	17.0	12.4	8.3	4.1	0.0
-57.5°	25.9	20.4	15.7	11.6	7.7	3.9	0.0
-60°	23.2	18.8	14.3	10.8	7.2	3.6	0.0
-62.5°	21.1	17.0	13.2	10.0	6.6	3.3	0.0
-65°	19.0	15.3	12.1	9.1	6.1	3.0	0.0
-67.5°	16.9	13.7	11.0	8.2	5.5	2.8	0.0
-70°	14.7	12.2	9.8	7.4	4.9	2.5	0.0
-72.5°	12.9	10.7	8.6	6.5	4.3	2.2	0.0
-75°	11.1	9.2	7.4	5.6	3.7	1.9	0.0
-77.5°	9.2	7.7	6.2	4.7	3.1	1.6	0.0
-80°	7.4	6.2	5.0	3.7	2.5	1.2	0.0
-82.5°	5.6	4.7	3.7	2.8	1.9	0.9	0.0
-85°	3.7	3.1	2.5	1.9	1.3	0.6	0.0
-87.5°	1.9	1.6	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)