

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: P1305445 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-57-80-3S-HEG-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1305445 (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-08-680R-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

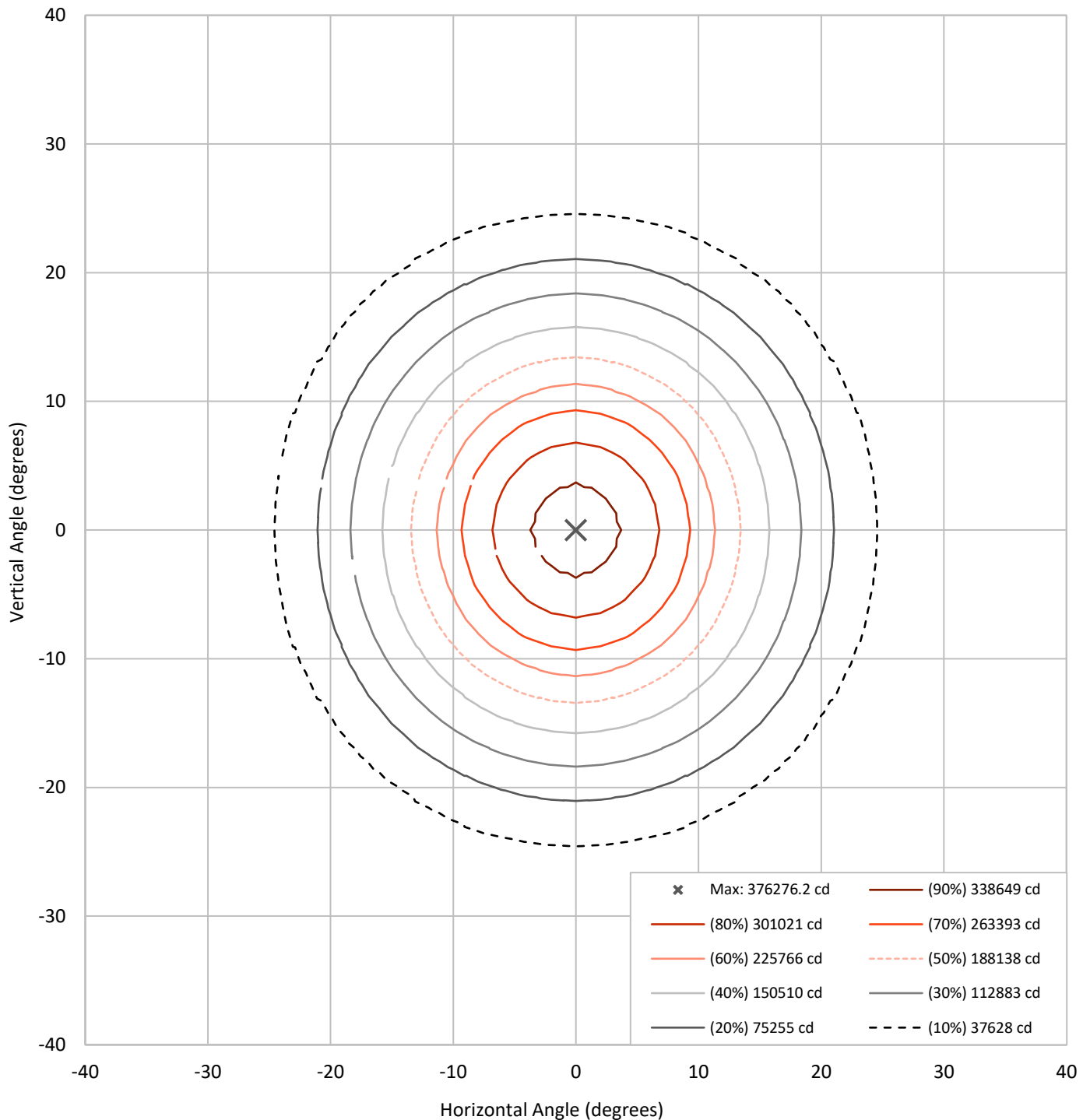
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	101627.2 lumens	Max Intensity:	376276.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	147.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	26.9°H x 26.9°V	Field Angle (10%):	48.9°H x 48.9°V
Beam Lumens:	44064 lumens	Field Lumens:	84360.5 lumens
Beam Efficiency:	43.4%	Field Efficiency:	83.0%

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





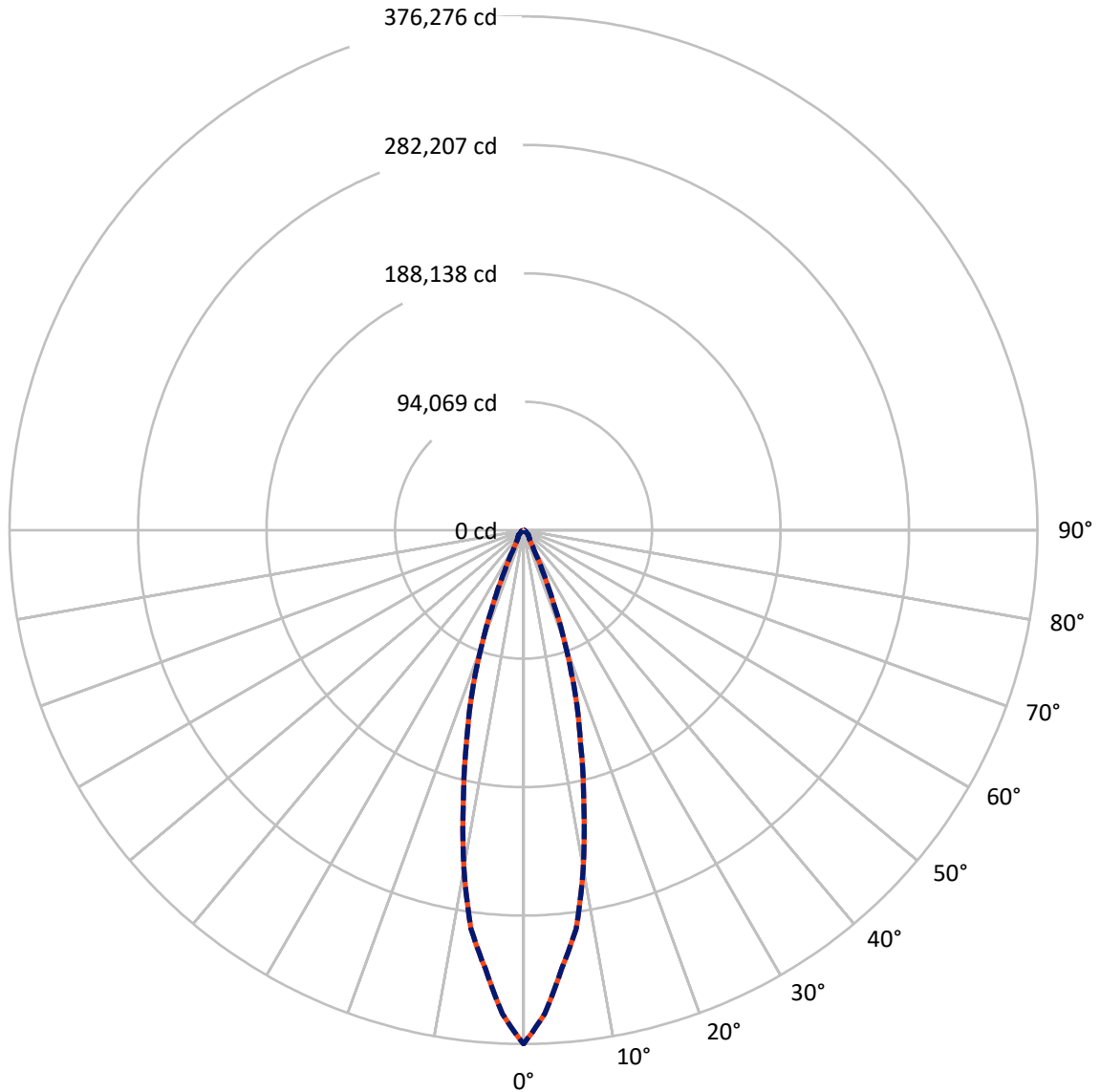
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Lumen Table

90	0.1	0.9	3.5	9.2	12.2	9.2	3.5	0.9	0.1							
80	0.1	0.9	3.5	9.2	12.2	9.2	3.5	0.9	0.1							
70	0.4	0.5	2.2	6.8	13.3	20.1	25.8	28.9	28.9	25.8	20.1	13.3	6.8	2.2	0.5	0.4
60		1.7	7.9	18.5	31.8	45.3	56.2	62.1	62.1	56.2	45.3	31.8	18.5	7.9	1.7	
50	1.2	4.2	15.1	32.2	53.2	83.8	119.9	140.7	140.7	119.9	83.8	53.2	32.2	15.1	4.2	1.2
40		7.1	22.5	46.1	93.9	154.7	199.0	233.8	233.8	199.0	154.7	93.9	46.1	22.5	7.1	
30	2.7	9.7	29.0	65.9	140.1	221.7	512.7	1054.5	1054.5	512.7	221.7	140.1	65.9	29.0	9.7	2.7
20		11.6	33.8	88.8	169.3	484.0	2243.0	4491.6	4491.6	2243.0	484.0	169.3	88.8	33.8	11.6	
10	3.4	12.6	36.2	100.9	193.3	970.6	4368.6	8615.8	8615.8	4368.6	970.6	193.3	100.9	36.2	12.6	3.4
0		12.6	36.2	100.9	193.3	970.6	4368.6	8615.8	8615.8	4368.6	970.6	193.3	100.9	36.2	12.6	
-10	2.7	11.6	33.8	88.8	169.3	484.0	2243.0	4491.6	4491.6	2243.0	484.0	169.3	88.8	33.8	11.6	2.7
-20		9.7	29.0	65.9	140.1	221.7	512.7	1054.5	1054.5	512.7	221.7	140.1	65.9	29.0	9.7	
-30	1.2	7.1	22.5	46.1	93.9	154.7	199.0	233.8	233.8	199.0	154.7	93.9	46.1	22.5	7.1	1.2
-40		4.2	15.1	32.2	53.2	83.8	119.9	140.7	140.7	119.9	83.8	53.2	32.2	15.1	4.2	
-50	0.4	1.7	7.9	18.5	31.8	45.3	56.2	62.1	62.1	56.2	45.3	31.8	18.5	7.9	1.7	0.4
-60		0.5	2.2	6.8	13.3	20.1	25.8	28.9	28.9	25.8	20.1	13.3	6.8	2.2	0.5	
-70	0.1	0.9	3.5	9.2	12.2	9.2	3.5	0.9	0.1							
-80	0.1	0.9	3.5	9.2	12.2	9.2	3.5	0.9	0.1							
-90	0.1	0.9	3.5	9.2	12.2	9.2	3.5	0.9	0.1							

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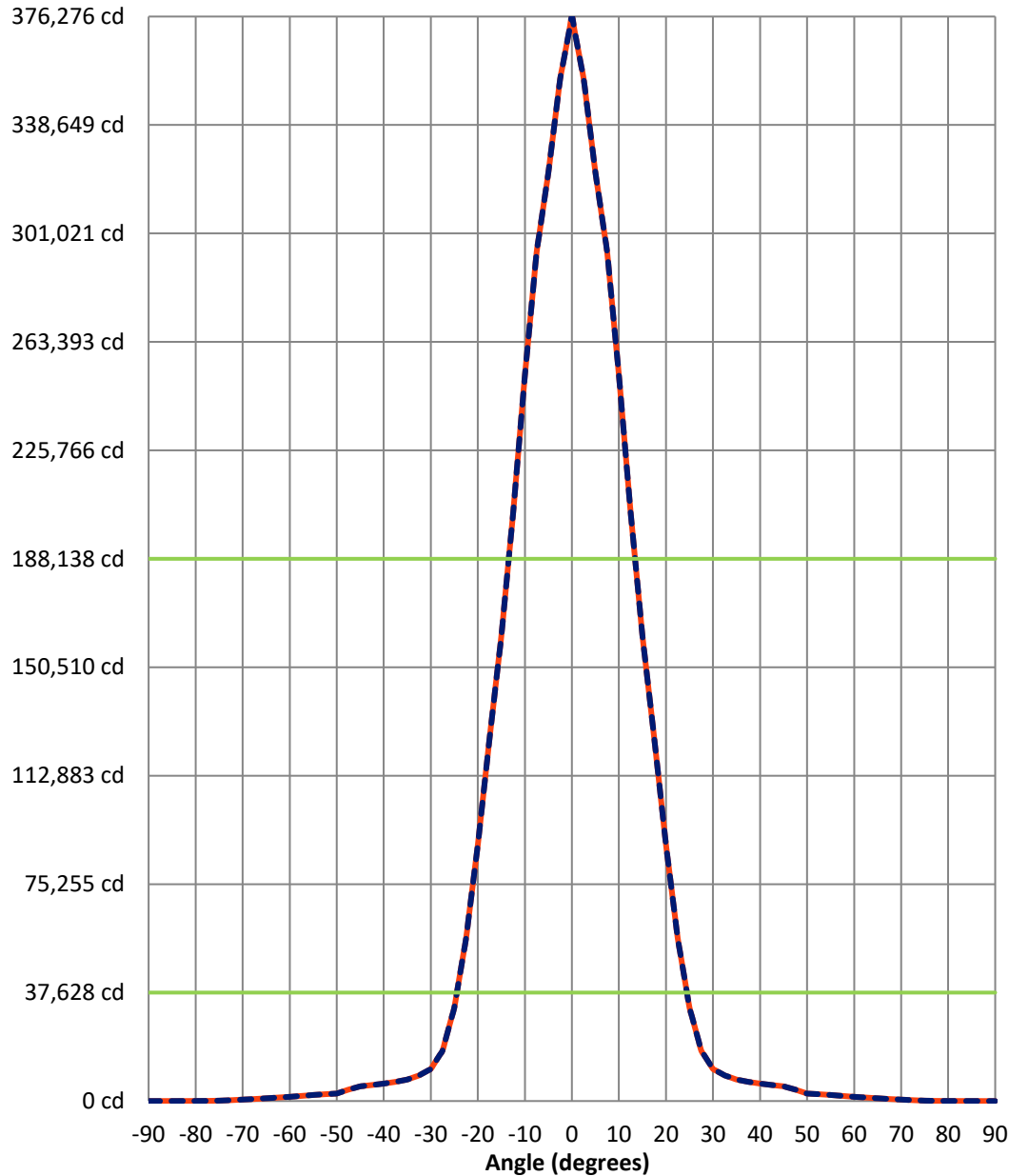
Luminous Intensity Polar Plot



— 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: 44064
 Efficiency: 43.4%

Field:
 H Angle: 48.9°
 V Angle: 48.9°
 Lumens: 84360.5
 Efficiency: 83.0%

Spill:
 Lumens: 17266.7
 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	0.6	0.9	1.2	1.5	1.8	2.0	2.3	2.6	2.9
85°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.6	5.2	5.7
82.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	6.9	7.6	8.2
80°	0.0	1.2	2.4	3.5	4.7	5.9	7.0	7.8	8.7	9.5	10.4
77.5°	0.0	1.5	2.9	4.4	5.9	7.2	8.3	9.4	10.4	11.5	12.8
75°	0.0	1.8	3.5	5.3	7.0	8.3	9.6	10.9	12.3	14.3	16.4
72.5°	0.0	2.0	4.1	6.1	7.8	9.4	10.9	12.6	15.1	17.5	19.8
70°	0.0	2.3	4.6	6.9	8.7	10.4	12.3	15.1	17.8	20.6	24.4
67.5°	0.0	2.6	5.2	7.6	9.5	11.5	14.3	17.5	20.6	24.9	29.2
65°	0.0	2.9	5.7	8.2	10.4	12.8	16.4	19.8	24.4	29.2	35.3
62.5°	0.0	3.1	6.3	8.8	11.2	14.5	18.3	22.8	28.1	34.2	44.5
60°	0.0	3.4	6.8	9.4	12.0	16.1	20.3	26.0	31.8	42.4	53.5
57.5°	0.0	3.7	7.2	10.0	13.2	17.7	22.9	29.1	38.1	50.3	76.9
55°	0.0	3.9	7.6	10.5	14.4	19.2	25.5	32.2	45.1	62.3	106.6
52.5°	0.0	4.1	7.9	11.1	15.6	20.8	28.0	37.7	51.8	88.3	135.5
50°	0.0	4.4	8.3	11.6	16.8	22.9	30.5	43.4	63.0	113.5	188.1
47.5°	0.0	4.6	8.6	12.2	17.9	24.9	33.2	49.0	84.6	138.0	241.8
45°	0.0	4.8	8.9	13.0	19.0	26.8	37.7	54.3	105.5	184.0	293.7
42.5°	0.0	5.0	9.3	13.8	20.0	28.6	42.1	66.6	125.5	228.7	354.8
40°	0.0	5.2	9.6	14.5	21.2	30.3	46.2	83.3	150.8	271.5	415.1
37.5°	0.0	5.4	9.8	15.2	22.5	32.0	50.2	99.2	186.9	315.3	472.5
35°	0.0	5.6	10.1	15.9	23.8	34.5	53.9	114.2	221.1	364.1	526.6
32.5°	0.0	5.7	10.4	16.5	24.9	37.5	60.0	128.4	253.3	410.1	576.7
30°	0.0	5.9	10.6	17.1	26.0	40.2	71.3	144.7	283.4	453.2	623.8
27.5°	0.0	6.0	10.8	17.6	27.0	42.7	81.8	169.0	314.2	493.3	667.6
25°	0.0	6.2	11.0	18.1	28.0	45.0	91.4	191.5	346.8	529.7	708.4
22.5°	0.0	6.3	11.2	18.5	28.8	47.2	100.2	211.9	376.5	562.6	755.1
20°	0.0	6.4	11.4	19.0	29.6	49.1	108.2	230.4	403.4	592.3	797.3
17.5°	0.0	6.5	11.5	19.3	30.3	50.8	115.2	246.8	427.2	618.7	834.8
15°	0.0	6.6	11.6	19.6	30.8	52.3	121.3	261.1	448.0	641.8	867.5
12.5°	0.0	6.6	11.8	19.9	31.4	53.5	126.6	273.2	465.7	661.4	895.4
10°	0.0	6.7	11.8	20.1	31.8	54.6	130.8	283.2	480.2	677.5	918.3
7.5°	0.0	6.7	11.9	20.3	32.1	55.4	134.2	291.0	491.6	690.1	936.2
5°	0.0	6.8	12.0	20.4	32.3	55.9	136.6	296.5	499.7	699.1	949.0
2.5°	0.0	6.8	12.0	20.5	32.5	56.3	138.0	299.9	504.6	704.5	956.7
0°	0.0	6.8	12.0	20.5	32.5	56.4	138.5	301.0	506.2	706.3	959.3
-2.5°	0.0	6.8	12.0	20.5	32.5	56.3	138.0	299.9	504.6	704.5	956.7
-5°	0.0	6.8	12.0	20.4	32.3	55.9	136.6	296.5	499.7	699.1	949.0
-7.5°	0.0	6.7	11.9	20.3	32.1	55.4	134.2	291.0	491.6	690.1	936.2
-10°	0.0	6.7	11.8	20.1	31.8	54.6	130.8	283.2	480.2	677.5	918.3
-12.5°	0.0	6.6	11.8	19.9	31.4	53.5	126.6	273.2	465.7	661.4	895.4
-15°	0.0	6.6	11.6	19.6	30.8	52.3	121.3	261.1	448.0	641.8	867.5
-17.5°	0.0	6.5	11.5	19.3	30.3	50.8	115.2	246.8	427.2	618.7	834.8
-20°	0.0	6.4	11.4	19.0	29.6	49.1	108.2	230.4	403.4	592.3	797.3



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 CATALOG NUMBER: EPH-08-680R-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	6.3	11.2	18.5	28.8	47.2	100.2	211.9	376.5	562.6	755.1
-25°	0.0	6.2	11.0	18.1	28.0	45.0	91.4	191.5	346.8	529.7	708.4
-27.5°	0.0	6.0	10.8	17.6	27.0	42.7	81.8	169.0	314.2	493.3	667.6
-30°	0.0	5.9	10.6	17.1	26.0	40.2	71.3	144.7	283.4	453.2	623.8
-32.5°	0.0	5.7	10.4	16.5	24.9	37.5	60.0	128.4	253.3	410.1	576.7
-35°	0.0	5.6	10.1	15.9	23.8	34.5	53.9	114.2	221.1	364.1	526.6
-37.5°	0.0	5.4	9.8	15.2	22.5	32.0	50.2	99.2	186.9	315.3	472.5
-40°	0.0	5.2	9.6	14.5	21.2	30.3	46.2	83.3	150.8	271.5	415.1
-42.5°	0.0	5.0	9.3	13.8	20.0	28.6	42.1	66.6	125.5	228.7	354.8
-45°	0.0	4.8	8.9	13.0	19.0	26.8	37.7	54.3	105.5	184.0	293.7
-47.5°	0.0	4.6	8.6	12.2	17.9	24.9	33.2	49.0	84.6	138.0	241.8
-50°	0.0	4.4	8.3	11.6	16.8	22.9	30.5	43.4	63.0	113.5	188.1
-52.5°	0.0	4.1	7.9	11.1	15.6	20.8	28.0	37.7	51.8	88.3	135.5
-55°	0.0	3.9	7.6	10.5	14.4	19.2	25.5	32.2	45.1	62.3	106.6
-57.5°	0.0	3.7	7.2	10.0	13.2	17.7	22.9	29.1	38.1	50.3	76.9
-60°	0.0	3.4	6.8	9.4	12.0	16.1	20.3	26.0	31.8	42.4	53.5
-62.5°	0.0	3.1	6.3	8.8	11.2	14.5	18.3	22.8	28.1	34.2	44.5
-65°	0.0	2.9	5.7	8.2	10.4	12.8	16.4	19.8	24.4	29.2	35.3
-67.5°	0.0	2.6	5.2	7.6	9.5	11.5	14.3	17.5	20.6	24.9	29.2
-70°	0.0	2.3	4.6	6.9	8.7	10.4	12.3	15.1	17.8	20.6	24.4
-72.5°	0.0	2.0	4.1	6.1	7.8	9.4	10.9	12.6	15.1	17.5	19.8
-75°	0.0	1.8	3.5	5.3	7.0	8.3	9.6	10.9	12.3	14.3	16.4
-77.5°	0.0	1.5	2.9	4.4	5.9	7.2	8.3	9.4	10.4	11.5	12.8
-80°	0.0	1.2	2.4	3.5	4.7	5.9	7.0	7.8	8.7	9.5	10.4
-82.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	6.9	7.6	8.2
-85°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.6	5.2	5.7
-87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.3	2.6	2.9
-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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 CATALOG NUMBER: EPH-08-680R-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°	3.1	3.4	3.7	3.9	4.1	4.4	4.6	4.8	5.0	5.2	5.4
85°	6.3	6.8	7.2	7.6	7.9	8.3	8.6	8.9	9.3	9.6	9.8
82.5°	8.8	9.4	10.0	10.5	11.1	11.6	12.2	13.0	13.8	14.5	15.2
80°	11.2	12.0	13.2	14.4	15.6	16.8	17.9	19.0	20.0	21.2	22.5
77.5°	14.5	16.1	17.7	19.2	20.8	22.9	24.9	26.8	28.6	30.3	32.0
75°	18.3	20.3	22.9	25.5	28.0	30.5	33.2	37.7	42.1	46.2	50.2
72.5°	22.8	26.0	29.1	32.2	37.7	43.4	49.0	54.3	66.6	83.3	99.2
70°	28.1	31.8	38.1	45.1	51.8	63.0	84.6	105.5	125.5	150.8	186.9
67.5°	34.2	42.4	50.3	62.3	88.3	113.5	138.0	184.0	228.7	271.5	315.3
65°	44.5	53.5	76.9	106.6	135.5	188.1	241.8	293.7	354.8	415.1	472.5
62.5°	54.6	84.3	117.6	161.8	224.7	285.8	356.6	428.8	498.3	563.4	625.4
60°	84.3	121.3	176.5	246.8	319.1	403.4	485.1	562.6	636.8	708.4	794.4
57.5°	117.6	176.5	254.2	337.9	431.7	522.6	609.0	692.6	791.0	889.0	983.2
55°	161.8	246.8	337.9	441.1	541.1	637.0	736.6	850.8	961.0	1069.3	1173.0
52.5°	224.7	319.1	431.7	541.1	646.4	760.5	886.9	1010.6	1131.7	1247.4	1356.2
50°	285.8	403.4	522.6	637.0	760.5	899.0	1035.6	1169.5	1296.9	1418.5	1551.2
47.5°	356.6	485.1	609.0	736.6	886.9	1035.6	1182.1	1321.8	1456.3	1614.2	1769.1
45°	428.8	562.6	692.6	850.8	1010.6	1169.5	1321.8	1468.9	1645.9	1818.9	1991.3
42.5°	498.3	636.8	791.0	961.0	1131.7	1296.9	1456.3	1645.9	1835.8	2025.5	2191.3
40°	563.4	708.4	889.0	1069.3	1247.4	1418.5	1614.2	1818.9	2025.5	2205.8	2367.4
37.5°	625.4	794.4	983.2	1173.0	1356.2	1551.2	1769.1	1991.3	2191.3	2367.4	2510.3
35°	684.3	876.1	1074.2	1270.3	1460.0	1689.6	1923.3	2147.9	2337.8	2497.7	2891.3
32.5°	748.7	953.4	1160.4	1361.4	1580.0	1822.9	2070.7	2279.1	2460.3	2734.4	3695.5
30°	814.7	1027.4	1240.8	1447.2	1695.1	1952.5	2192.5	2398.7	2570.6	3455.5	4376.9
27.5°	876.1	1096.5	1314.4	1541.4	1803.9	2074.1	2301.4	2495.8	3061.1	4108.1	4977.1
25°	932.9	1160.4	1382.5	1633.4	1908.3	2173.3	2398.2	2586.4	3657.2	4635.1	5281.6
22.5°	985.3	1218.8	1445.0	1717.9	2004.2	2259.8	2475.7	3032.4	4167.0	5110.5	5497.0
20°	1033.2	1270.3	1509.3	1795.1	2091.2	2338.4	2546.3	3499.6	4582.6	5294.2	5703.0
17.5°	1075.8	1316.2	1571.7	1866.4	2158.3	2403.0	2662.3	3919.2	4956.7	5460.0	5893.3
15°	1113.1	1356.2	1626.4	1928.9	2215.0	2454.2	3002.9	4232.8	5177.2	5609.2	6063.0
12.5°	1144.8	1390.4	1673.0	1982.2	2263.4	2498.0	3294.7	4494.1	5293.6	5743.4	6241.6
10°	1170.9	1418.5	1711.4	2026.2	2303.4	2534.2	3536.0	4710.5	5390.0	5854.9	6390.2
7.5°	1191.3	1440.5	1741.4	2060.6	2334.8	2562.6	3725.3	4880.4	5465.9	5942.7	6507.6
5°	1205.9	1456.3	1762.9	2085.3	2357.2	2582.9	3861.4	5002.7	5520.6	6006.0	6592.3
2.5°	1214.7	1465.7	1775.9	2100.1	2370.8	2595.2	3943.4	5076.5	5553.6	6044.3	6643.6
0°	1217.6	1468.9	1780.2	2105.1	2375.3	2599.3	3970.8	5101.1	5564.6	6057.1	6660.7
-2.5°	1214.7	1465.7	1775.9	2100.1	2370.8	2595.2	3943.4	5076.5	5553.6	6044.3	6643.6
-5°	1205.9	1456.3	1762.9	2085.3	2357.2	2582.9	3861.4	5002.7	5520.6	6006.0	6592.3
-7.5°	1191.3	1440.5	1741.4	2060.6	2334.8	2562.6	3725.3	4880.4	5465.9	5942.7	6507.6
-10°	1170.9	1418.5	1711.4	2026.2	2303.4	2534.2	3536.0	4710.5	5390.0	5854.9	6390.2
-12.5°	1144.8	1390.4	1673.0	1982.2	2263.4	2498.0	3294.7	4494.1	5293.6	5743.4	6241.6
-15°	1113.1	1356.2	1626.4	1928.9	2215.0	2454.2	3002.9	4232.8	5177.2	5609.2	6063.0
-17.5°	1075.8	1316.2	1571.7	1866.4	2158.3	2403.0	2662.3	3919.2	4956.7	5460.0	5893.3
-20°	1033.2	1270.3	1509.3	1795.1	2091.2	2338.4	2546.3	3499.6	4582.6	5294.2	5703.0



REPORT NUMBER: P1305445 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-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°	985.3	1218.8	1445.0	1717.9	2004.2	2259.8	2475.7	3032.4	4167.0	5110.5	5497.0
-25°	932.9	1160.4	1382.5	1633.4	1908.3	2173.3	2398.2	2586.4	3657.2	4635.1	5281.6
-27.5°	876.1	1096.5	1314.4	1541.4	1803.9	2074.1	2301.4	2495.8	3061.1	4108.1	4977.1
-30°	814.7	1027.4	1240.8	1447.2	1695.1	1952.5	2192.5	2398.7	2570.6	3455.5	4376.9
-32.5°	748.7	953.4	1160.4	1361.4	1580.0	1822.9	2070.7	2279.1	2460.3	2734.4	3695.5
-35°	684.3	876.1	1074.2	1270.3	1460.0	1689.6	1923.3	2147.9	2337.8	2497.7	2891.3
-37.5°	625.4	794.4	983.2	1173.0	1356.2	1551.2	1769.1	1991.3	2191.3	2367.4	2510.3
-40°	563.4	708.4	889.0	1069.3	1247.4	1418.5	1614.2	1818.9	2025.5	2205.8	2367.4
-42.5°	498.3	636.8	791.0	961.0	1131.7	1296.9	1456.3	1645.9	1835.8	2025.5	2191.3
-45°	428.8	562.6	692.6	850.8	1010.6	1169.5	1321.8	1468.9	1645.9	1818.9	1991.3
-47.5°	356.6	485.1	609.0	736.6	886.9	1035.6	1182.1	1321.8	1456.3	1614.2	1769.1
-50°	285.8	403.4	522.6	637.0	760.5	899.0	1035.6	1169.5	1296.9	1418.5	1551.2
-52.5°	224.7	319.1	431.7	541.1	646.4	760.5	886.9	1010.6	1131.7	1247.4	1356.2
-55°	161.8	246.8	337.9	441.1	541.1	637.0	736.6	850.8	961.0	1069.3	1173.0
-57.5°	117.6	176.5	254.2	337.9	431.7	522.6	609.0	692.6	791.0	889.0	983.2
-60°	84.3	121.3	176.5	246.8	319.1	403.4	485.1	562.6	636.8	708.4	794.4
-62.5°	54.6	84.3	117.6	161.8	224.7	285.8	356.6	428.8	498.3	563.4	625.4
-65°	44.5	53.5	76.9	106.6	135.5	188.1	241.8	293.7	354.8	415.1	472.5
-67.5°	34.2	42.4	50.3	62.3	88.3	113.5	138.0	184.0	228.7	271.5	315.3
-70°	28.1	31.8	38.1	45.1	51.8	63.0	84.6	105.5	125.5	150.8	186.9
-72.5°	22.8	26.0	29.1	32.2	37.7	43.4	49.0	54.3	66.6	83.3	99.2
-75°	18.3	20.3	22.9	25.5	28.0	30.5	33.2	37.7	42.1	46.2	50.2
-77.5°	14.5	16.1	17.7	19.2	20.8	22.9	24.9	26.8	28.6	30.3	32.0
-80°	11.2	12.0	13.2	14.4	15.6	16.8	17.9	19.0	20.0	21.2	22.5
-82.5°	8.8	9.4	10.0	10.5	11.1	11.6	12.2	13.0	13.8	14.5	15.2
-85°	6.3	6.8	7.2	7.6	7.9	8.3	8.6	8.9	9.3	9.6	9.8
-87.5°	3.1	3.4	3.7	3.9	4.1	4.4	4.6	4.8	5.0	5.2	5.4
-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°	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.6	6.7
85°	10.1	10.4	10.6	10.8	11.0	11.2	11.4	11.5	11.6	11.8	11.8
82.5°	15.9	16.5	17.1	17.6	18.1	18.5	19.0	19.3	19.6	19.9	20.1
80°	23.8	24.9	26.0	27.0	28.0	28.8	29.6	30.3	30.8	31.4	31.8
77.5°	34.5	37.5	40.2	42.7	45.0	47.2	49.1	50.8	52.3	53.5	54.6
75°	53.9	60.0	71.3	81.8	91.4	100.2	108.2	115.2	121.3	126.6	130.8
72.5°	114.2	128.4	144.7	169.0	191.5	211.9	230.4	246.8	261.1	273.2	283.2
70°	221.1	253.3	283.4	314.2	346.8	376.5	403.4	427.2	448.0	465.7	480.2
67.5°	364.1	410.1	453.2	493.3	529.7	562.6	592.3	618.7	641.8	661.4	677.5
65°	526.6	576.7	623.8	667.6	708.4	755.1	797.3	834.8	867.5	895.4	918.3
62.5°	684.3	748.7	814.7	876.1	932.9	985.3	1033.2	1075.8	1113.1	1144.8	1170.9
60°	876.1	953.4	1027.4	1096.5	1160.4	1218.8	1270.3	1316.2	1356.2	1390.4	1418.5
57.5°	1074.2	1160.4	1240.8	1314.4	1382.5	1445.0	1509.3	1571.7	1626.4	1673.0	1711.4
55°	1270.3	1361.4	1447.2	1514.4	1633.4	1717.9	1795.1	1866.4	1928.9	1982.2	2026.2
52.5°	1460.0	1580.0	1695.1	1803.9	1908.3	2004.2	2091.2	2158.3	2215.0	2263.4	2303.4
50°	1689.6	1822.9	1952.5	2074.1	2173.3	2259.8	2338.4	2403.0	2454.2	2498.0	2534.2
47.5°	1923.3	2070.7	2192.5	2301.4	2398.2	2475.7	2546.3	2662.3	3002.9	3294.7	3536.0
45°	2147.9	2279.1	2398.7	2495.8	2586.4	3032.4	3499.6	3919.2	4232.8	4494.1	4710.5
42.5°	2337.8	2460.3	2570.6	3061.1	3657.2	4167.0	4582.6	4956.7	5177.2	5293.6	5390.0
40°	2497.7	2734.4	3455.5	4108.1	4635.1	5110.5	5294.2	5460.0	5609.2	5743.4	5854.9
37.5°	2891.3	3695.5	4376.9	4977.1	5281.6	5497.0	5703.0	5893.3	6063.0	6241.6	6390.2
35°	3776.1	4512.7	5135.7	5398.1	5650.6	5896.1	6137.1	6388.9	6612.8	6854.7	7069.9
32.5°	4512.7	5164.4	5457.0	5747.0	6027.8	6343.6	6642.0	6997.0	7319.3	7706.6	8125.0
30°	5135.7	5457.0	5779.4	6103.0	6470.0	6866.0	7292.2	7854.0	8477.2	9093.5	9808.0
27.5°	5398.1	5747.0	6103.0	6512.5	6983.0	7482.1	8298.6	9137.7	10194.5	11121.6	13350.7
25°	5650.6	6027.8	6470.0	6983.0	7591.1	8525.2	9688.9	10955.8	13920.6	16815.2	21650.6
22.5°	5896.1	6343.6	6866.0	7482.1	8525.2	9875.3	11752.9	15661.4	21544.5	28972.2	37092.6
20°	6137.1	6642.0	7292.2	8298.6	9688.9	11752.9	16251.7	24452.8	34226.8	47361.4	59486.3
17.5°	6388.9	6997.0	7854.0	9137.7	10955.8	15661.4	24452.8	36737.3	52685.3	70877.5	87936.6
15°	6612.8	7319.3	8477.2	10194.5	13920.6	21544.5	34226.8	52685.3	74784.6	97337.5	119096.5
12.5°	6854.7	7706.6	9093.5	11121.6	16815.2	28972.2	47361.4	70877.5	97337.5	124381.3	147795.8
10°	7069.9	8125.0	9808.0	13350.7	21650.6	37092.6	59486.3	87936.6	119096.5	147795.8	175728.3
7.5°	7240.0	8456.8	10376.7	15138.4	26278.5	45372.1	71987.9	103855.7	136838.4	168645.7	204360.6
5°	7363.2	8697.5	10790.2	16443.0	29670.6	51476.1	81275.9	115914.3	150127.3	187205.6	228057.5
2.5°	7437.7	8843.4	11041.4	17237.4	31742.8	55220.8	87007.1	123416.2	158494.4	199660.5	245450.3
0°	7462.7	8892.3	11125.7	17504.2	32440.0	56483.5	88945.7	125965.2	161356.7	203956.2	251709.8
-2.5°	7437.7	8843.4	11041.4	17237.4	31742.8	55220.8	87007.1	123416.2	158494.4	199660.5	245450.3
-5°	7363.2	8697.5	10790.2	16443.0	29670.6	51476.1	81275.9	115914.3	150127.3	187205.6	228057.5
-7.5°	7240.0	8456.8	10376.7	15138.4	26278.5	45372.1	71987.9	103855.7	136838.4	168645.7	204360.6
-10°	7069.9	8125.0	9808.0	13350.7	21650.6	37092.6	59486.3	87936.6	119096.5	147795.8	175728.3
-12.5°	6854.7	7706.6	9093.5	11121.6	16815.2	28972.2	47361.4	70877.5	97337.5	124381.3	147795.8
-15°	6612.8	7319.3	8477.2	10194.5	13920.6	21544.5	34226.8	52685.3	74784.6	97337.5	119096.5
-17.5°	6388.9	6997.0	7854.0	9137.7	10955.8	15661.4	24452.8	36737.3	52685.3	70877.5	87936.6
-20°	6137.1	6642.0	7292.2	8298.6	9688.9	11752.9	16251.7	24452.8	34226.8	47361.4	59486.3



REPORT NUMBER: P1305445 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-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°	5896.1	6343.6	6866.0	7482.1	8525.2	9875.3	11752.9	15661.4	21544.5	28972.2	37092.6
-25°	5650.6	6027.8	6470.0	6983.0	7591.1	8525.2	9688.9	10955.8	13920.6	16815.2	21650.6
-27.5°	5398.1	5747.0	6103.0	6512.5	6983.0	7482.1	8298.6	9137.7	10194.5	11121.6	13350.7
-30°	5135.7	5457.0	5779.4	6103.0	6470.0	6866.0	7292.2	7854.0	8477.2	9093.5	9808.0
-32.5°	4512.7	5164.4	5457.0	5747.0	6027.8	6343.6	6642.0	6997.0	7319.3	7706.6	8125.0
-35°	3776.1	4512.7	5135.7	5398.1	5650.6	5896.1	6137.1	6388.9	6612.8	6854.7	7069.9
-37.5°	2891.3	3695.5	4376.9	4977.1	5281.6	5497.0	5703.0	5893.3	6063.0	6241.6	6390.2
-40°	2497.7	2734.4	3455.5	4108.1	4635.1	5110.5	5294.2	5460.0	5609.2	5743.4	5854.9
-42.5°	2337.8	2460.3	2570.6	3061.1	3657.2	4167.0	4582.6	4956.7	5177.2	5293.6	5390.0
-45°	2147.9	2279.1	2398.7	2495.8	2586.4	3032.4	3499.6	3919.2	4232.8	4494.1	4710.5
-47.5°	1923.3	2070.7	2192.5	2301.4	2398.2	2475.7	2546.3	2662.3	3002.9	3294.7	3536.0
-50°	1689.6	1822.9	1952.5	2074.1	2173.3	2259.8	2338.4	2403.0	2454.2	2498.0	2534.2
-52.5°	1460.0	1580.0	1695.1	1803.9	1908.3	2004.2	2091.2	2158.3	2215.0	2263.4	2303.4
-55°	1270.3	1361.4	1447.2	1541.4	1633.4	1717.9	1795.1	1866.4	1928.9	1982.2	2026.2
-57.5°	1074.2	1160.4	1240.8	1314.4	1382.5	1445.0	1509.3	1571.7	1626.4	1673.0	1711.4
-60°	876.1	953.4	1027.4	1096.5	1160.4	1218.8	1270.3	1316.2	1356.2	1390.4	1418.5
-62.5°	684.3	748.7	814.7	876.1	932.9	985.3	1033.2	1075.8	1113.1	1144.8	1170.9
-65°	526.6	576.7	623.8	667.6	708.4	755.1	797.3	834.8	867.5	895.4	918.3
-67.5°	364.1	410.1	453.2	493.3	529.7	562.6	592.3	618.7	641.8	661.4	677.5
-70°	221.1	253.3	283.4	314.2	346.8	376.5	403.4	427.2	448.0	465.7	480.2
-72.5°	114.2	128.4	144.7	169.0	191.5	211.9	230.4	246.8	261.1	273.2	283.2
-75°	53.9	60.0	71.3	81.8	91.4	100.2	108.2	115.2	121.3	126.6	130.8
-77.5°	34.5	37.5	40.2	42.7	45.0	47.2	49.1	50.8	52.3	53.5	54.6
-80°	23.8	24.9	26.0	27.0	28.0	28.8	29.6	30.3	30.8	31.4	31.8
-82.5°	15.9	16.5	17.1	17.6	18.1	18.5	19.0	19.3	19.6	19.9	20.1
-85°	10.1	10.4	10.6	10.8	11.0	11.2	11.4	11.5	11.6	11.8	11.8
-87.5°	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.6	6.7
-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: P1305445 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-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°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.5
85°	11.9	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.8	11.6	11.5
82.5°	20.3	20.4	20.5	20.5	20.5	20.4	20.3	20.1	19.9	19.6	19.3
80°	32.1	32.3	32.5	32.5	32.5	32.3	32.1	31.8	31.4	30.8	30.3
77.5°	55.4	55.9	56.3	56.4	56.3	55.9	55.4	54.6	53.5	52.3	50.8
75°	134.2	136.6	138.0	138.5	138.0	136.6	134.2	130.8	126.6	121.3	115.2
72.5°	291.0	296.5	299.9	301.0	299.9	296.5	291.0	283.2	273.2	261.1	246.8
70°	491.6	499.7	504.6	506.2	504.6	499.7	491.6	480.2	465.7	448.0	427.2
67.5°	690.1	699.1	704.5	706.3	704.5	699.1	690.1	677.5	661.4	641.8	618.7
65°	936.2	949.0	956.7	959.3	956.7	949.0	936.2	918.3	895.4	867.5	834.8
62.5°	1191.3	1205.9	1214.7	1217.6	1214.7	1205.9	1191.3	1170.9	1144.8	1113.1	1075.8
60°	1440.5	1456.3	1465.7	1468.9	1465.7	1456.3	1440.5	1418.5	1390.4	1356.2	1316.2
57.5°	1741.4	1762.9	1775.9	1780.2	1775.9	1762.9	1741.4	1711.4	1673.0	1626.4	1571.7
55°	2060.6	2085.3	2100.1	2105.1	2100.1	2085.3	2060.6	2026.2	1982.2	1928.9	1866.4
52.5°	2334.8	2357.2	2370.8	2375.3	2370.8	2357.2	2334.8	2303.4	2263.4	2215.0	2158.3
50°	2562.6	2582.9	2595.2	2599.3	2595.2	2582.9	2562.6	2534.2	2498.0	2454.2	2403.0
47.5°	3725.3	3861.4	3943.4	3970.8	3943.4	3861.4	3725.3	3536.0	3294.7	3002.9	2662.3
45°	4880.4	5002.7	5076.5	5101.1	5076.5	5002.7	4880.4	4710.5	4494.1	4232.8	3919.2
42.5°	5465.9	5520.6	5553.6	5564.6	5553.6	5520.6	5465.9	5390.0	5293.6	5177.2	4956.7
40°	5942.7	6006.0	6044.3	6057.1	6044.3	6006.0	5942.7	5854.9	5743.4	5609.2	5460.0
37.5°	6507.6	6592.3	6643.6	6660.7	6643.6	6592.3	6507.6	6390.2	6241.6	6063.0	5893.3
35°	7240.0	7363.2	7437.7	7462.7	7437.7	7363.2	7240.0	7069.9	6854.7	6612.8	6388.9
32.5°	8456.8	8697.5	8843.4	8892.3	8843.4	8697.5	8456.8	8125.0	7706.6	7319.3	6997.0
30°	10376.7	10790.2	11041.4	11125.7	11041.4	10790.2	10376.7	9808.0	9093.5	8477.2	7854.0
27.5°	15138.4	16443.0	17237.4	17504.2	17237.4	16443.0	15138.4	13350.7	11121.6	10194.5	9137.7
25°	26278.5	29670.6	31742.8	32440.0	31742.8	29670.6	26278.5	21650.6	16815.2	13920.6	10955.8
22.5°	45372.1	51476.1	55220.8	56483.5	55220.8	51476.1	45372.1	37092.6	28972.2	21544.5	15661.4
20°	71987.9	81275.9	87007.1	88945.7	87007.1	81275.9	71987.9	59486.3	47361.4	34226.8	24452.8
17.5°	103855.7	115914.3	123416.2	125965.2	123416.2	115914.3	103855.7	87936.6	70877.5	52685.3	36737.3
15°	136838.4	150127.3	158494.4	161356.7	158494.4	150127.3	136838.4	119096.5	97337.5	74784.6	52685.3
12.5°	168645.7	187205.6	199660.5	203956.2	199660.5	187205.6	168645.7	147795.8	124381.3	97337.5	70877.5
10°	204360.6	228057.5	245450.3	251709.8	245450.3	228057.5	204360.6	175728.3	147795.8	119096.5	87936.6
7.5°	239559.4	271549.4	289244.7	294498.3	289244.7	271549.4	239559.4	204360.6	168645.7	136838.4	103855.7
5°	271549.4	300142.4	316509.2	322171.4	316509.2	300142.4	271549.4	228057.5	187205.6	150127.3	115914.3
2.5°	289244.7	316509.2	339227.8	354643.9	339227.8	316509.2	289244.7	245450.3	199660.5	158494.4	123416.2
0°	294498.3	322171.4	354643.9	376276.2	354643.9	322171.4	294498.3	251709.8	203956.2	161356.7	125965.2
-2.5°	289244.7	316509.2	339227.8	354643.9	339227.8	316509.2	289244.7	245450.3	199660.5	158494.4	123416.2
-5°	271549.4	300142.4	316509.2	322171.4	316509.2	300142.4	271549.4	228057.5	187205.6	150127.3	115914.3
-7.5°	239559.4	271549.4	289244.7	294498.3	289244.7	271549.4	239559.4	204360.6	168645.7	136838.4	103855.7
-10°	204360.6	228057.5	245450.3	251709.8	245450.3	228057.5	204360.6	175728.3	147795.8	119096.5	87936.6
-12.5°	168645.7	187205.6	199660.5	203956.2	199660.5	187205.6	168645.7	147795.8	124381.3	97337.5	70877.5
-15°	136838.4	150127.3	158494.4	161356.7	158494.4	150127.3	136838.4	119096.5	97337.5	74784.6	52685.3
-17.5°	103855.7	115914.3	123416.2	125965.2	123416.2	115914.3	103855.7	87936.6	70877.5	52685.3	36737.3
-20°	71987.9	81275.9	87007.1	88945.7	87007.1	81275.9	71987.9	59486.3	47361.4	34226.8	24452.8



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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°	45372.1	51476.1	55220.8	56483.5	55220.8	51476.1	45372.1	37092.6	28972.2	21544.5	15661.4
-25°	26278.5	29670.6	31742.8	32440.0	31742.8	29670.6	26278.5	21650.6	16815.2	13920.6	10955.8
-27.5°	15138.4	16443.0	17237.4	17504.2	17237.4	16443.0	15138.4	13350.7	11121.6	10194.5	9137.7
-30°	10376.7	10790.2	11041.4	11125.7	11041.4	10790.2	10376.7	9808.0	9093.5	8477.2	7854.0
-32.5°	8456.8	8697.5	8843.4	8892.3	8843.4	8697.5	8456.8	8125.0	7706.6	7319.3	6997.0
-35°	7240.0	7363.2	7437.7	7462.7	7437.7	7363.2	7240.0	7069.9	6854.7	6612.8	6388.9
-37.5°	6507.6	6592.3	6643.6	6660.7	6643.6	6592.3	6507.6	6390.2	6241.6	6063.0	5893.3
-40°	5942.7	6006.0	6044.3	6057.1	6044.3	6006.0	5942.7	5854.9	5743.4	5609.2	5460.0
-42.5°	5465.9	5520.6	5553.6	5564.6	5553.6	5520.6	5465.9	5390.0	5293.6	5177.2	4956.7
-45°	4880.4	5002.7	5076.5	5101.1	5076.5	5002.7	4880.4	4710.5	4494.1	4232.8	3919.2
-47.5°	3725.3	3861.4	3943.4	3970.8	3943.4	3861.4	3725.3	3536.0	3294.7	3002.9	2662.3
-50°	2562.6	2582.9	2595.2	2599.3	2595.2	2582.9	2562.6	2534.2	2498.0	2454.2	2403.0
-52.5°	2334.8	2357.2	2370.8	2375.3	2370.8	2357.2	2334.8	2303.4	2263.4	2215.0	2158.3
-55°	2060.6	2085.3	2100.1	2105.1	2100.1	2085.3	2060.6	2026.2	1982.2	1928.9	1866.4
-57.5°	1741.4	1762.9	1775.9	1780.2	1775.9	1762.9	1741.4	1711.4	1673.0	1626.4	1571.7
-60°	1440.5	1456.3	1465.7	1468.9	1465.7	1456.3	1440.5	1418.5	1390.4	1356.2	1316.2
-62.5°	1191.3	1205.9	1214.7	1217.6	1214.7	1205.9	1191.3	1170.9	1144.8	1113.1	1075.8
-65°	936.2	949.0	956.7	959.3	956.7	949.0	936.2	918.3	895.4	867.5	834.8
-67.5°	690.1	699.1	704.5	706.3	704.5	699.1	690.1	677.5	661.4	641.8	618.7
-70°	491.6	499.7	504.6	506.2	504.6	499.7	491.6	480.2	465.7	448.0	427.2
-72.5°	291.0	296.5	299.9	301.0	299.9	296.5	291.0	283.2	273.2	261.1	246.8
-75°	134.2	136.6	138.0	138.5	138.0	136.6	134.2	130.8	126.6	121.3	115.2
-77.5°	55.4	55.9	56.3	56.4	56.3	55.9	55.4	54.6	53.5	52.3	50.8
-80°	32.1	32.3	32.5	32.5	32.5	32.3	32.1	31.8	31.4	30.8	30.3
-82.5°	20.3	20.4	20.5	20.5	20.5	20.4	20.3	20.1	19.9	19.6	19.3
-85°	11.9	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.8	11.6	11.5
-87.5°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.2	5.0	4.8
85°	11.4	11.2	11.0	10.8	10.6	10.4	10.1	9.8	9.6	9.3	8.9
82.5°	19.0	18.5	18.1	17.6	17.1	16.5	15.9	15.2	14.5	13.8	13.0
80°	29.6	28.8	28.0	27.0	26.0	24.9	23.8	22.5	21.2	20.0	19.0
77.5°	49.1	47.2	45.0	42.7	40.2	37.5	34.5	32.0	30.3	28.6	26.8
75°	108.2	100.2	91.4	81.8	71.3	60.0	53.9	50.2	46.2	42.1	37.7
72.5°	230.4	211.9	191.5	169.0	144.7	128.4	114.2	99.2	83.3	66.6	54.3
70°	403.4	376.5	346.8	314.2	283.4	253.3	221.1	186.9	150.8	125.5	105.5
67.5°	592.3	562.6	529.7	493.3	453.2	410.1	364.1	315.3	271.5	228.7	184.0
65°	797.3	755.1	708.4	667.6	623.8	576.7	526.6	472.5	415.1	354.8	293.7
62.5°	1033.2	985.3	932.9	876.1	814.7	748.7	684.3	625.4	563.4	498.3	428.8
60°	1270.3	1218.8	1160.4	1096.5	1027.4	953.4	876.1	794.4	708.4	636.8	562.6
57.5°	1509.3	1445.0	1382.5	1314.4	1240.8	1160.4	1074.2	983.2	889.0	791.0	692.6
55°	1795.1	1717.9	1633.4	1541.4	1447.2	1361.4	1270.3	1173.0	1069.3	961.0	850.8
52.5°	2091.2	2004.2	1908.3	1803.9	1695.1	1580.0	1460.0	1356.2	1247.4	1131.7	1010.6
50°	2338.4	2259.8	2173.3	2074.1	1952.5	1822.9	1689.6	1551.2	1418.5	1296.9	1169.5
47.5°	2546.3	2475.7	2398.2	2301.4	2192.5	2070.7	1923.3	1769.1	1614.2	1456.3	1321.8
45°	3499.6	3032.4	2586.4	2495.8	2398.7	2279.1	2147.9	1991.3	1818.9	1645.9	1468.9
42.5°	4582.6	4167.0	3657.2	3061.1	2570.6	2460.3	2337.8	2191.3	2025.5	1835.8	1645.9
40°	5294.2	5110.5	4635.1	4108.1	3455.5	2734.4	2497.7	2367.4	2205.8	2025.5	1818.9
37.5°	5703.0	5497.0	5281.6	4977.1	4376.9	3695.5	2891.3	2510.3	2367.4	2191.3	1991.3
35°	6137.1	5896.1	5650.6	5398.1	5135.7	4512.7	3776.1	2891.3	2497.7	2337.8	2147.9
32.5°	6642.0	6343.6	6027.8	5747.0	5457.0	5164.4	4512.7	3695.5	2734.4	2460.3	2279.1
30°	7292.2	6866.0	6470.0	6103.0	5779.4	5457.0	5135.7	4376.9	3455.5	2570.6	2398.7
27.5°	8298.6	7482.1	6983.0	6512.5	6103.0	5747.0	5398.1	4977.1	4108.1	3061.1	2495.8
25°	9688.9	8525.2	7591.1	6983.0	6470.0	6027.8	5650.6	5281.6	4635.1	3657.2	2586.4
22.5°	11752.9	9875.3	8525.2	7482.1	6866.0	6343.6	5896.1	5497.0	5110.5	4167.0	3032.4
20°	16251.7	11752.9	9688.9	8298.6	7292.2	6642.0	6137.1	5703.0	5294.2	4582.6	3499.6
17.5°	24452.8	15661.4	10955.8	9137.7	7854.0	6997.0	6388.9	5893.3	5460.0	4956.7	3919.2
15°	34226.8	21544.5	13920.6	10194.5	8477.2	7319.3	6612.8	6063.0	5609.2	5177.2	4232.8
12.5°	47361.4	28972.2	16815.2	11121.6	9093.5	7706.6	6854.7	6241.6	5743.4	5293.6	4494.1
10°	59486.3	37092.6	21650.6	13350.7	9808.0	8125.0	7069.9	6390.2	5854.9	5390.0	4710.5
7.5°	71987.9	45372.1	26278.5	15138.4	10376.7	8456.8	7240.0	6507.6	5942.7	5465.9	4880.4
5°	81275.9	51476.1	29670.6	16443.0	10790.2	8697.5	7363.2	6592.3	6006.0	5520.6	5002.7
2.5°	87007.1	55220.8	31742.8	17237.4	11041.4	8843.4	7437.7	6643.6	6044.3	5553.6	5076.5
0°	88945.7	56483.5	32440.0	17504.2	11125.7	8892.3	7462.7	6660.7	6057.1	5564.6	5101.1
-2.5°	87007.1	55220.8	31742.8	17237.4	11041.4	8843.4	7437.7	6643.6	6044.3	5553.6	5076.5
-5°	81275.9	51476.1	29670.6	16443.0	10790.2	8697.5	7363.2	6592.3	6006.0	5520.6	5002.7
-7.5°	71987.9	45372.1	26278.5	15138.4	10376.7	8456.8	7240.0	6507.6	5942.7	5465.9	4880.4
-10°	59486.3	37092.6	21650.6	13350.7	9808.0	8125.0	7069.9	6390.2	5854.9	5390.0	4710.5
-12.5°	47361.4	28972.2	16815.2	11121.6	9093.5	7706.6	6854.7	6241.6	5743.4	5293.6	4494.1
-15°	34226.8	21544.5	13920.6	10194.5	8477.2	7319.3	6612.8	6063.0	5609.2	5177.2	4232.8
-17.5°	24452.8	15661.4	10955.8	9137.7	7854.0	6997.0	6388.9	5893.3	5460.0	4956.7	3919.2
-20°	16251.7	11752.9	9688.9	8298.6	7292.2	6642.0	6137.1	5703.0	5294.2	4582.6	3499.6



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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°	11752.9	9875.3	8525.2	7482.1	6866.0	6343.6	5896.1	5497.0	5110.5	4167.0	3032.4
-25°	9688.9	8525.2	7591.1	6983.0	6470.0	6027.8	5650.6	5281.6	4635.1	3657.2	2586.4
-27.5°	8298.6	7482.1	6983.0	6512.5	6103.0	5747.0	5398.1	4977.1	4108.1	3061.1	2495.8
-30°	7292.2	6866.0	6470.0	6103.0	5779.4	5457.0	5135.7	4376.9	3455.5	2570.6	2398.7
-32.5°	6642.0	6343.6	6027.8	5747.0	5457.0	5164.4	4512.7	3695.5	2734.4	2460.3	2279.1
-35°	6137.1	5896.1	5650.6	5398.1	5135.7	4512.7	3776.1	2891.3	2497.7	2337.8	2147.9
-37.5°	5703.0	5497.0	5281.6	4977.1	4376.9	3695.5	2891.3	2510.3	2367.4	2191.3	1991.3
-40°	5294.2	5110.5	4635.1	4108.1	3455.5	2734.4	2497.7	2367.4	2205.8	2025.5	1818.9
-42.5°	4582.6	4167.0	3657.2	3061.1	2570.6	2460.3	2337.8	2191.3	2025.5	1835.8	1645.9
-45°	3499.6	3032.4	2586.4	2495.8	2398.7	2279.1	2147.9	1991.3	1818.9	1645.9	1468.9
-47.5°	2546.3	2475.7	2398.2	2301.4	2192.5	2070.7	1923.3	1769.1	1614.2	1456.3	1321.8
-50°	2338.4	2259.8	2173.3	2074.1	1952.5	1822.9	1689.6	1551.2	1418.5	1296.9	1169.5
-52.5°	2091.2	2004.2	1908.3	1803.9	1695.1	1580.0	1460.0	1356.2	1247.4	1131.7	1010.6
-55°	1795.1	1717.9	1633.4	1541.4	1447.2	1361.4	1270.3	1173.0	1069.3	961.0	850.8
-57.5°	1509.3	1445.0	1382.5	1314.4	1240.8	1160.4	1074.2	983.2	889.0	791.0	692.6
-60°	1270.3	1218.8	1160.4	1096.5	1027.4	953.4	876.1	794.4	708.4	636.8	562.6
-62.5°	1033.2	985.3	932.9	876.1	814.7	748.7	684.3	625.4	563.4	498.3	428.8
-65°	797.3	755.1	708.4	667.6	623.8	576.7	526.6	472.5	415.1	354.8	293.7
-67.5°	592.3	562.6	529.7	493.3	453.2	410.1	364.1	315.3	271.5	228.7	184.0
-70°	403.4	376.5	346.8	314.2	283.4	253.3	221.1	186.9	150.8	125.5	105.5
-72.5°	230.4	211.9	191.5	169.0	144.7	128.4	114.2	99.2	83.3	66.6	54.3
-75°	108.2	100.2	91.4	81.8	71.3	60.0	53.9	50.2	46.2	42.1	37.7
-77.5°	49.1	47.2	45.0	42.7	40.2	37.5	34.5	32.0	30.3	28.6	26.8
-80°	29.6	28.8	28.0	27.0	26.0	24.9	23.8	22.5	21.2	20.0	19.0
-82.5°	19.0	18.5	18.1	17.6	17.1	16.5	15.9	15.2	14.5	13.8	13.0
-85°	11.4	11.2	11.0	10.8	10.6	10.4	10.1	9.8	9.6	9.3	8.9
-87.5°	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.2	5.0	4.8
-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: P1305445 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-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°	4.6	4.4	4.1	3.9	3.7	3.4	3.1	2.9	2.6	2.3	2.0
85°	8.6	8.3	7.9	7.6	7.2	6.8	6.3	5.7	5.2	4.6	4.1
82.5°	12.2	11.6	11.1	10.5	10.0	9.4	8.8	8.2	7.6	6.9	6.1
80°	17.9	16.8	15.6	14.4	13.2	12.0	11.2	10.4	9.5	8.7	7.8
77.5°	24.9	22.9	20.8	19.2	17.7	16.1	14.5	12.8	11.5	10.4	9.4
75°	33.2	30.5	28.0	25.5	22.9	20.3	18.3	16.4	14.3	12.3	10.9
72.5°	49.0	43.4	37.7	32.2	29.1	26.0	22.8	19.8	17.5	15.1	12.6
70°	84.6	63.0	51.8	45.1	38.1	31.8	28.1	24.4	20.6	17.8	15.1
67.5°	138.0	113.5	88.3	62.3	50.3	42.4	34.2	29.2	24.9	20.6	17.5
65°	241.8	188.1	135.5	106.6	76.9	53.5	44.5	35.3	29.2	24.4	19.8
62.5°	356.6	285.8	224.7	161.8	117.6	84.3	54.6	44.5	34.2	28.1	22.8
60°	485.1	403.4	319.1	246.8	176.5	121.3	84.3	53.5	42.4	31.8	26.0
57.5°	609.0	522.6	431.7	337.9	254.2	176.5	117.6	76.9	50.3	38.1	29.1
55°	736.6	637.0	541.1	441.1	337.9	246.8	161.8	106.6	62.3	45.1	32.2
52.5°	886.9	760.5	646.4	541.1	431.7	319.1	224.7	135.5	88.3	51.8	37.7
50°	1035.6	899.0	760.5	637.0	522.6	403.4	285.8	188.1	113.5	63.0	43.4
47.5°	1182.1	1035.6	886.9	736.6	609.0	485.1	356.6	241.8	138.0	84.6	49.0
45°	1321.8	1169.5	1010.6	850.8	692.6	562.6	428.8	293.7	184.0	105.5	54.3
42.5°	1456.3	1296.9	1131.7	961.0	791.0	636.8	498.3	354.8	228.7	125.5	66.6
40°	1614.2	1418.5	1247.4	1069.3	889.0	708.4	563.4	415.1	271.5	150.8	83.3
37.5°	1769.1	1551.2	1356.2	1173.0	983.2	794.4	625.4	472.5	315.3	186.9	99.2
35°	1923.3	1689.6	1460.0	1270.3	1074.2	876.1	684.3	526.6	364.1	221.1	114.2
32.5°	2070.7	1822.9	1580.0	1361.4	1160.4	953.4	748.7	576.7	410.1	253.3	128.4
30°	2192.5	1952.5	1695.1	1447.2	1240.8	1027.4	814.7	623.8	453.2	283.4	144.7
27.5°	2301.4	2074.1	1803.9	1541.4	1314.4	1096.5	876.1	667.6	493.3	314.2	169.0
25°	2398.2	2173.3	1908.3	1633.4	1382.5	1160.4	932.9	708.4	529.7	346.8	191.5
22.5°	2475.7	2259.8	2004.2	1717.9	1445.0	1218.8	985.3	755.1	562.6	376.5	211.9
20°	2546.3	2338.4	2091.2	1795.1	1509.3	1270.3	1033.2	797.3	592.3	403.4	230.4
17.5°	2662.3	2403.0	2158.3	1866.4	1571.7	1316.2	1075.8	834.8	618.7	427.2	246.8
15°	3002.9	2454.2	2215.0	1928.9	1626.4	1356.2	1113.1	867.5	641.8	448.0	261.1
12.5°	3294.7	2498.0	2263.4	1982.2	1673.0	1390.4	1144.8	895.4	661.4	465.7	273.2
10°	3536.0	2534.2	2303.4	2026.2	1711.4	1418.5	1170.9	918.3	677.5	480.2	283.2
7.5°	3725.3	2562.6	2334.8	2060.6	1741.4	1440.5	1191.3	936.2	690.1	491.6	291.0
5°	3861.4	2582.9	2357.2	2085.3	1762.9	1456.3	1205.9	949.0	699.1	499.7	296.5
2.5°	3943.4	2595.2	2370.8	2100.1	1775.9	1465.7	1214.7	956.7	704.5	504.6	299.9
0°	3970.8	2599.3	2375.3	2105.1	1780.2	1468.9	1217.6	959.3	706.3	506.2	301.0
-2.5°	3943.4	2595.2	2370.8	2100.1	1775.9	1465.7	1214.7	956.7	704.5	504.6	299.9
-5°	3861.4	2582.9	2357.2	2085.3	1762.9	1456.3	1205.9	949.0	699.1	499.7	296.5
-7.5°	3725.3	2562.6	2334.8	2060.6	1741.4	1440.5	1191.3	936.2	690.1	491.6	291.0
-10°	3536.0	2534.2	2303.4	2026.2	1711.4	1418.5	1170.9	918.3	677.5	480.2	283.2
-12.5°	3294.7	2498.0	2263.4	1982.2	1673.0	1390.4	1144.8	895.4	661.4	465.7	273.2
-15°	3002.9	2454.2	2215.0	1928.9	1626.4	1356.2	1113.1	867.5	641.8	448.0	261.1
-17.5°	2662.3	2403.0	2158.3	1866.4	1571.7	1316.2	1075.8	834.8	618.7	427.2	246.8
-20°	2546.3	2338.4	2091.2	1795.1	1509.3	1270.3	1033.2	797.3	592.3	403.4	230.4



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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°	2475.7	2259.8	2004.2	1717.9	1445.0	1218.8	985.3	755.1	562.6	376.5	211.9
-25°	2398.2	2173.3	1908.3	1633.4	1382.5	1160.4	932.9	708.4	529.7	346.8	191.5
-27.5°	2301.4	2074.1	1803.9	1541.4	1314.4	1096.5	876.1	667.6	493.3	314.2	169.0
-30°	2192.5	1952.5	1695.1	1447.2	1240.8	1027.4	814.7	623.8	453.2	283.4	144.7
-32.5°	2070.7	1822.9	1580.0	1361.4	1160.4	953.4	748.7	576.7	410.1	253.3	128.4
-35°	1923.3	1689.6	1460.0	1270.3	1074.2	876.1	684.3	526.6	364.1	221.1	114.2
-37.5°	1769.1	1551.2	1356.2	1173.0	983.2	794.4	625.4	472.5	315.3	186.9	99.2
-40°	1614.2	1418.5	1247.4	1069.3	889.0	708.4	563.4	415.1	271.5	150.8	83.3
-42.5°	1456.3	1296.9	1131.7	961.0	791.0	636.8	498.3	354.8	228.7	125.5	66.6
-45°	1321.8	1169.5	1010.6	850.8	692.6	562.6	428.8	293.7	184.0	105.5	54.3
-47.5°	1182.1	1035.6	886.9	736.6	609.0	485.1	356.6	241.8	138.0	84.6	49.0
-50°	1035.6	899.0	760.5	637.0	522.6	403.4	285.8	188.1	113.5	63.0	43.4
-52.5°	886.9	760.5	646.4	541.1	431.7	319.1	224.7	135.5	88.3	51.8	37.7
-55°	736.6	637.0	541.1	441.1	337.9	246.8	161.8	106.6	62.3	45.1	32.2
-57.5°	609.0	522.6	431.7	337.9	254.2	176.5	117.6	76.9	50.3	38.1	29.1
-60°	485.1	403.4	319.1	246.8	176.5	121.3	84.3	53.5	42.4	31.8	26.0
-62.5°	356.6	285.8	224.7	161.8	117.6	84.3	54.6	44.5	34.2	28.1	22.8
-65°	241.8	188.1	135.5	106.6	76.9	53.5	44.5	35.3	29.2	24.4	19.8
-67.5°	138.0	113.5	88.3	62.3	50.3	42.4	34.2	29.2	24.9	20.6	17.5
-70°	84.6	63.0	51.8	45.1	38.1	31.8	28.1	24.4	20.6	17.8	15.1
-72.5°	49.0	43.4	37.7	32.2	29.1	26.0	22.8	19.8	17.5	15.1	12.6
-75°	33.2	30.5	28.0	25.5	22.9	20.3	18.3	16.4	14.3	12.3	10.9
-77.5°	24.9	22.9	20.8	19.2	17.7	16.1	14.5	12.8	11.5	10.4	9.4
-80°	17.9	16.8	15.6	14.4	13.2	12.0	11.2	10.4	9.5	8.7	7.8
-82.5°	12.2	11.6	11.1	10.5	10.0	9.4	8.8	8.2	7.6	6.9	6.1
-85°	8.6	8.3	7.9	7.6	7.2	6.8	6.3	5.7	5.2	4.6	4.1
-87.5°	4.6	4.4	4.1	3.9	3.7	3.4	3.1	2.9	2.6	2.3	2.0
-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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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°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
85°	3.5	2.9	2.4	1.8	1.2	0.6	0.0
82.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
80°	7.0	5.9	4.7	3.5	2.4	1.2	0.0
77.5°	8.3	7.2	5.9	4.4	2.9	1.5	0.0
75°	9.6	8.3	7.0	5.3	3.5	1.8	0.0
72.5°	10.9	9.4	7.8	6.1	4.1	2.0	0.0
70°	12.3	10.4	8.7	6.9	4.6	2.3	0.0
67.5°	14.3	11.5	9.5	7.6	5.2	2.6	0.0
65°	16.4	12.8	10.4	8.2	5.7	2.9	0.0
62.5°	18.3	14.5	11.2	8.8	6.3	3.1	0.0
60°	20.3	16.1	12.0	9.4	6.8	3.4	0.0
57.5°	22.9	17.7	13.2	10.0	7.2	3.7	0.0
55°	25.5	19.2	14.4	10.5	7.6	3.9	0.0
52.5°	28.0	20.8	15.6	11.1	7.9	4.1	0.0
50°	30.5	22.9	16.8	11.6	8.3	4.4	0.0
47.5°	33.2	24.9	17.9	12.2	8.6	4.6	0.0
45°	37.7	26.8	19.0	13.0	8.9	4.8	0.0
42.5°	42.1	28.6	20.0	13.8	9.3	5.0	0.0
40°	46.2	30.3	21.2	14.5	9.6	5.2	0.0
37.5°	50.2	32.0	22.5	15.2	9.8	5.4	0.0
35°	53.9	34.5	23.8	15.9	10.1	5.6	0.0
32.5°	60.0	37.5	24.9	16.5	10.4	5.7	0.0
30°	71.3	40.2	26.0	17.1	10.6	5.9	0.0
27.5°	81.8	42.7	27.0	17.6	10.8	6.0	0.0
25°	91.4	45.0	28.0	18.1	11.0	6.2	0.0
22.5°	100.2	47.2	28.8	18.5	11.2	6.3	0.0
20°	108.2	49.1	29.6	19.0	11.4	6.4	0.0
17.5°	115.2	50.8	30.3	19.3	11.5	6.5	0.0
15°	121.3	52.3	30.8	19.6	11.6	6.6	0.0
12.5°	126.6	53.5	31.4	19.9	11.8	6.6	0.0
10°	130.8	54.6	31.8	20.1	11.8	6.7	0.0
7.5°	134.2	55.4	32.1	20.3	11.9	6.7	0.0
5°	136.6	55.9	32.3	20.4	12.0	6.8	0.0
2.5°	138.0	56.3	32.5	20.5	12.0	6.8	0.0
0°	138.5	56.4	32.5	20.5	12.0	6.8	0.0
-2.5°	138.0	56.3	32.5	20.5	12.0	6.8	0.0
-5°	136.6	55.9	32.3	20.4	12.0	6.8	0.0
-7.5°	134.2	55.4	32.1	20.3	11.9	6.7	0.0
-10°	130.8	54.6	31.8	20.1	11.8	6.7	0.0
-12.5°	126.6	53.5	31.4	19.9	11.8	6.6	0.0
-15°	121.3	52.3	30.8	19.6	11.6	6.6	0.0
-17.5°	115.2	50.8	30.3	19.3	11.5	6.5	0.0
-20°	108.2	49.1	29.6	19.0	11.4	6.4	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	100.2	47.2	28.8	18.5	11.2	6.3	0.0
-25°	91.4	45.0	28.0	18.1	11.0	6.2	0.0
-27.5°	81.8	42.7	27.0	17.6	10.8	6.0	0.0
-30°	71.3	40.2	26.0	17.1	10.6	5.9	0.0
-32.5°	60.0	37.5	24.9	16.5	10.4	5.7	0.0
-35°	53.9	34.5	23.8	15.9	10.1	5.6	0.0
-37.5°	50.2	32.0	22.5	15.2	9.8	5.4	0.0
-40°	46.2	30.3	21.2	14.5	9.6	5.2	0.0
-42.5°	42.1	28.6	20.0	13.8	9.3	5.0	0.0
-45°	37.7	26.8	19.0	13.0	8.9	4.8	0.0
-47.5°	33.2	24.9	17.9	12.2	8.6	4.6	0.0
-50°	30.5	22.9	16.8	11.6	8.3	4.4	0.0
-52.5°	28.0	20.8	15.6	11.1	7.9	4.1	0.0
-55°	25.5	19.2	14.4	10.5	7.6	3.9	0.0
-57.5°	22.9	17.7	13.2	10.0	7.2	3.7	0.0
-60°	20.3	16.1	12.0	9.4	6.8	3.4	0.0
-62.5°	18.3	14.5	11.2	8.8	6.3	3.1	0.0
-65°	16.4	12.8	10.4	8.2	5.7	2.9	0.0
-67.5°	14.3	11.5	9.5	7.6	5.2	2.6	0.0
-70°	12.3	10.4	8.7	6.9	4.6	2.3	0.0
-72.5°	10.9	9.4	7.8	6.1	4.1	2.0	0.0
-75°	9.6	8.3	7.0	5.3	3.5	1.8	0.0
-77.5°	8.3	7.2	5.9	4.4	2.9	1.5	0.0
-80°	7.0	5.9	4.7	3.5	2.4	1.2	0.0
-82.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
-85°	3.5	2.9	2.4	1.8	1.2	0.6	0.0
-87.5°	1.8	1.5	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)