

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: P699995 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-70-5L-S**

Issue Date: 8/10/2023

Test Information

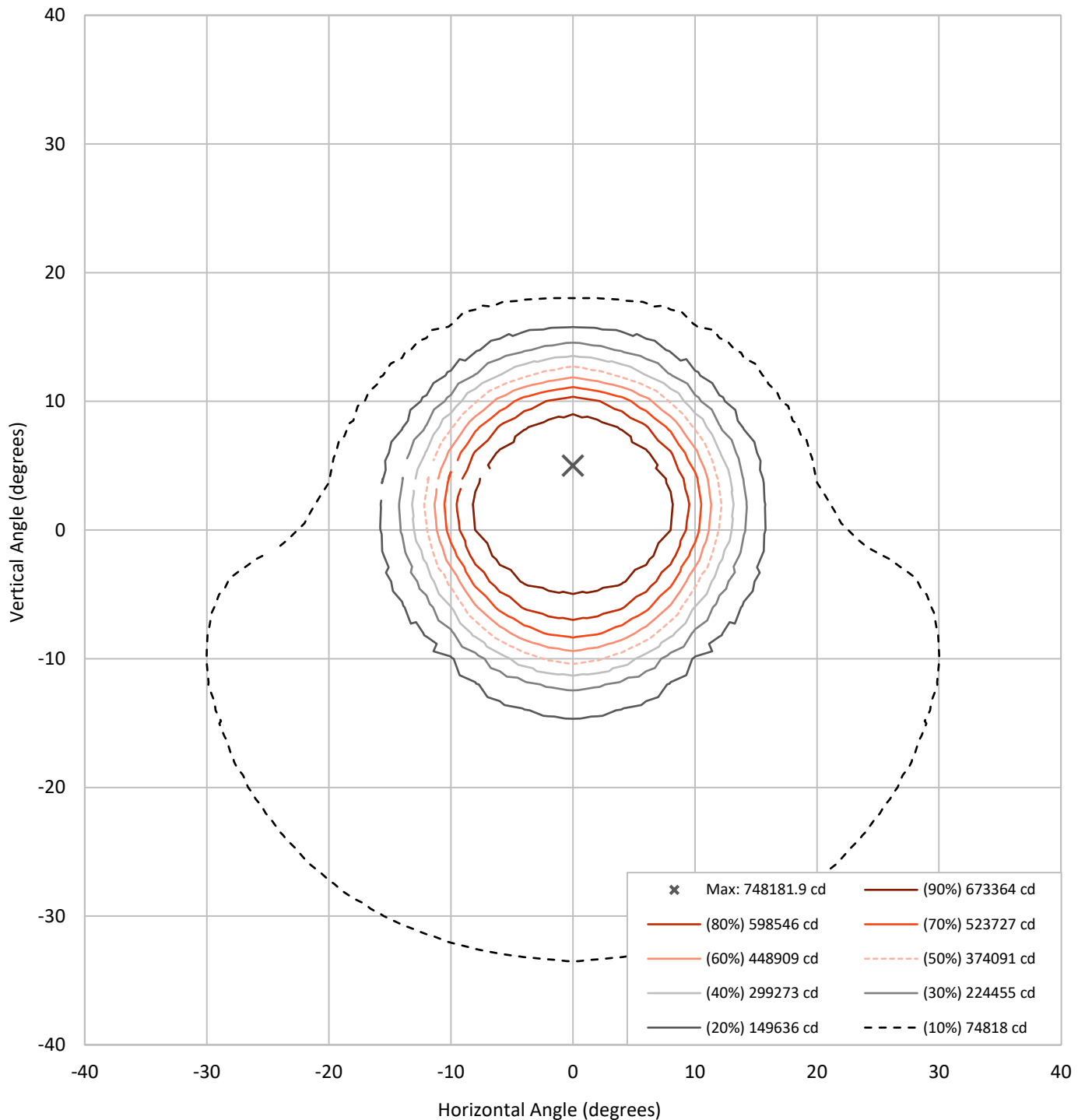
Test Method: LM-79-08
Report Number: P699995 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-53)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-70-5L-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 70 CRI LEDS AND 5L BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 4V
Luminaire Lumens:	176846 lumens	Max Intensity:	748181.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	137.3 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	23.3°H x 23°V	Field Angle (10%):	39.5°H x 51.6°V
Beam Lumens:	78482.9 lumens	Field Lumens:	144004.3 lumens
Beam Efficiency:	44.4%	Field Efficiency:	81.4%
Input Watts (W):	1288.4		
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





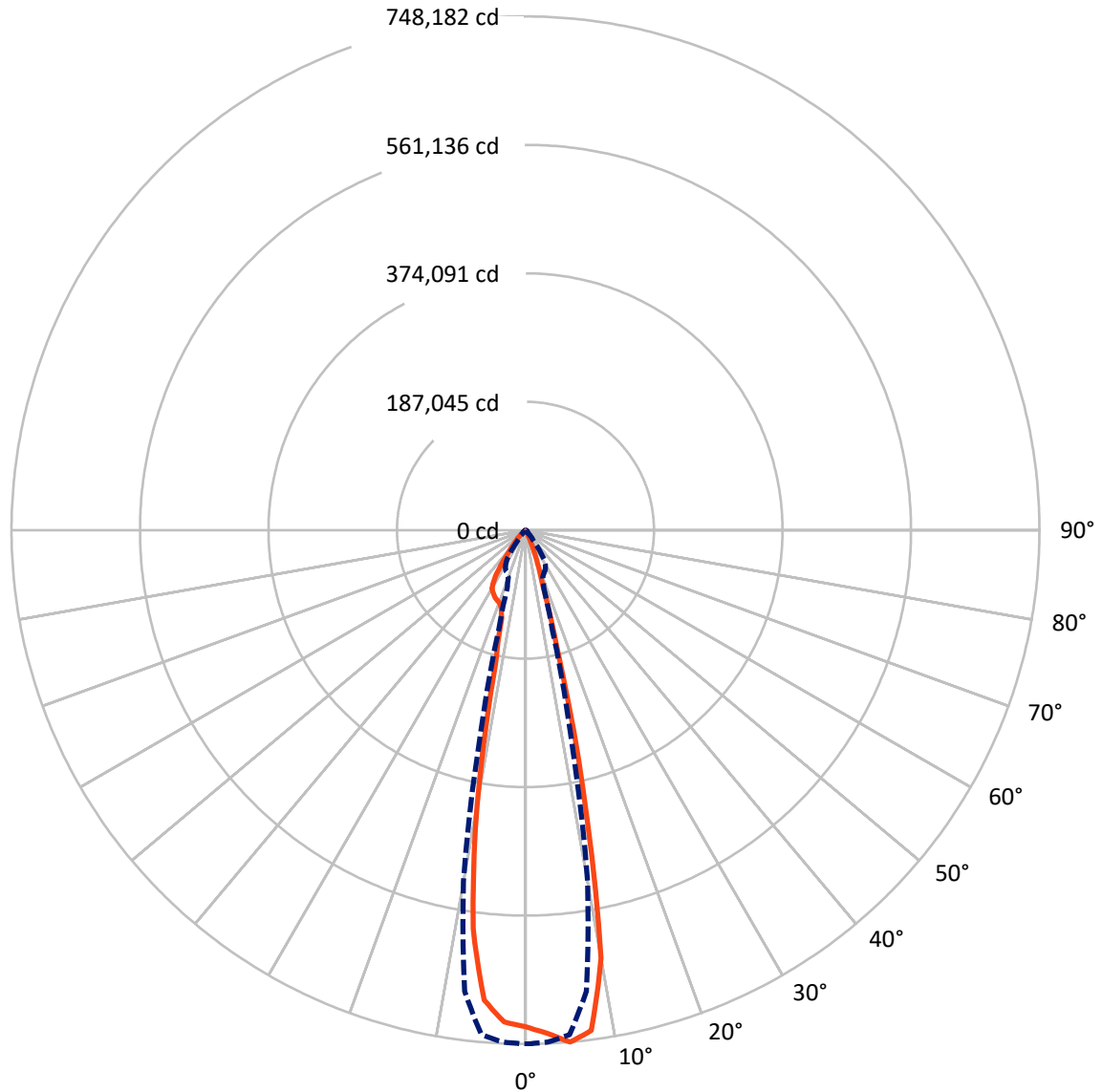
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Lumen Table

90	0.3	1.2		2.3		3.5		4.0		3.5		2.3		1.2		0.3
80	0.3	1.2		2.3		3.5		4.0		3.5		2.3		1.2		0.3
70	0.5	0.4	0.9	1.5	2.2	2.9	3.7	4.1	4.1	3.7	2.9	2.2	1.5	0.9	0.4	0.5
60		0.7	1.5	2.6	4.3	6.8	11.7	21.8	21.8	11.7	6.8	4.3	2.6	1.5	0.7	
50	0.8	1.0	2.3	4.8	9.9	18.5	30.2	46.6	46.6	30.2	18.5	9.9	4.8	2.3	1.0	0.8
40		1.3	3.5	9.6	21.4	38.8	75.3	99.6	99.6	75.3	38.8	21.4	9.6	3.5	1.3	
30	1.1	1.6	5.6	22.5	70.6	302.1	447.0	547.1	547.1	447.0	302.1	70.6	22.5	5.6	1.6	1.1
20		2.0	9.4	56.6	388.5	1145.7	1975.9	5747.7	5747.7	1975.9	1145.7	388.5	56.6	9.4	2.0	
10	1.2	2.3	14.8	120.4	853.9	1806.3	5710.7	20023.1	20023.1	5710.7	1806.3	853.9	120.4	14.8	2.3	1.2
0		2.5	18.1	157.5	1070.5	2168.7	4796.0	16849.9	16849.9	4796.0	2168.7	1070.5	157.5	18.1	2.5	
-10	1.1	2.4	14.7	126.3	852.0	2365.1	2981.3	4557.9	4557.9	2981.3	2365.1	852.0	126.3	14.7	2.4	1.1
-20		2.0	9.0	66.4	405.3	1635.2	2785.0	3147.1	3147.1	2785.0	1635.2	405.3	66.4	9.0	2.0	
-30	0.8	1.6	4.8	21.8	148.6	534.7	1227.7	1779.7	1779.7	1227.7	534.7	148.6	21.8	4.8	1.6	0.8
-40		1.2	2.9	6.8	30.5	126.2	282.6	407.2	407.2	282.6	126.2	30.5	6.8	2.9	1.2	
-50	0.5	0.7	1.9	3.4	6.2	13.8	32.3	47.6	47.6	32.3	13.8	6.2	3.4	1.9	0.7	0.5
-60		0.5	1.0	1.8	2.8	3.8	5.1	5.9	5.9	5.1	3.8	2.8	1.8	1.0	0.5	
-70	0.3	1.2		2.5		4.0		4.5		4.0		2.5		1.2		0.3
-80		1.2		2.5		4.0		4.5		4.0		2.5		1.2		
-90	0.3	1.2		2.5		4.0		4.5		4.0		2.5		1.2		0.3

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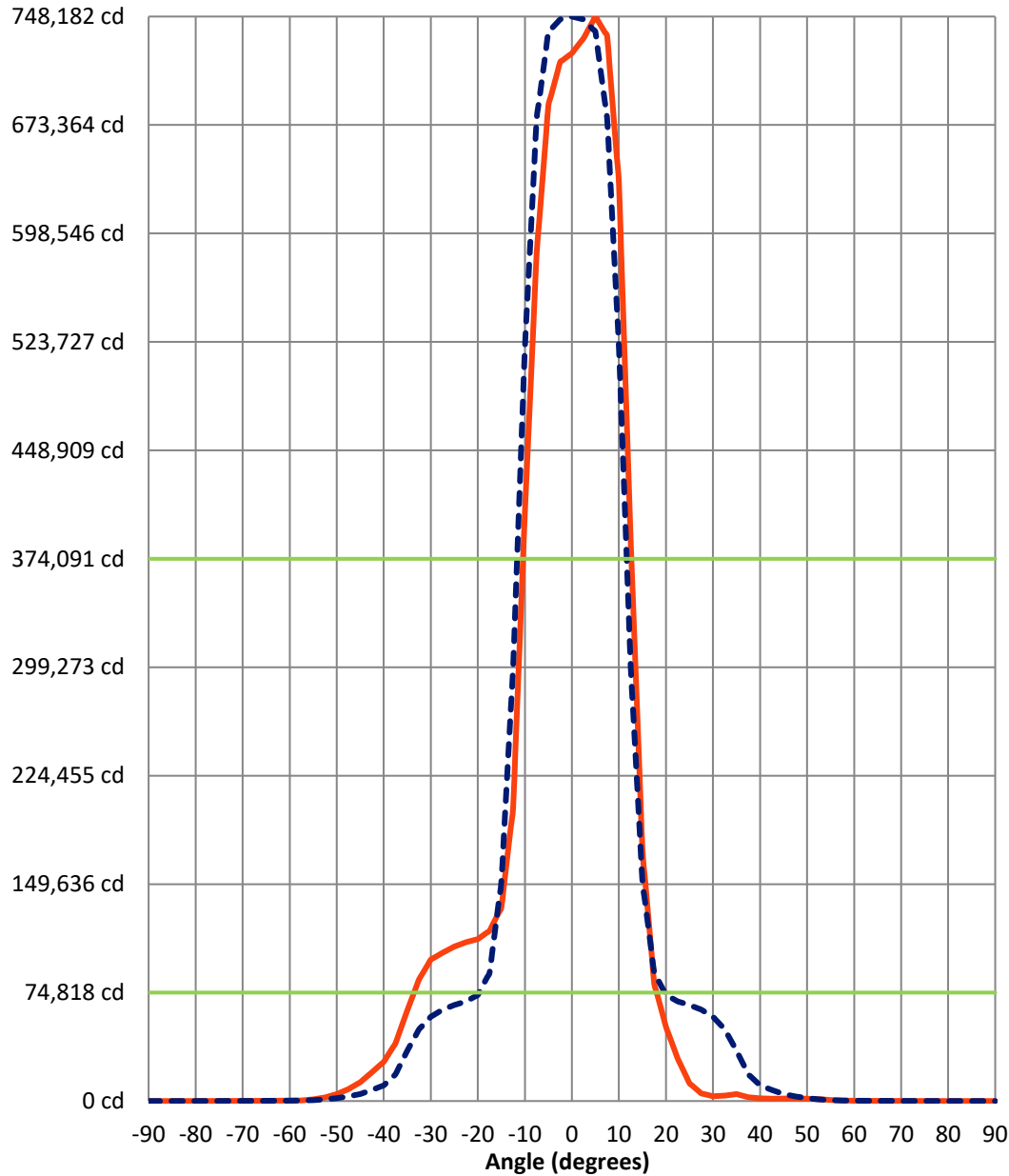
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 23.3°
 V Angle: 23°
 Lumens: 78482.9
 Efficiency: 44.4%

Field:
 H Angle: 39.5°
 V Angle: 51.6°
 Lumens: 144004.3
 Efficiency: 81.4%

Spill:
 Lumens: 32841.7
 Efficiency: 18.6%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 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	0.8	1.6	2.4	3.2	4.0	4.7	5.4	6.1	6.7	7.3
85°	0.0	1.6	3.2	4.8	6.3	7.9	9.5	10.8	12.1	13.4	14.5
82.5°	0.0	2.4	4.8	7.1	9.5	11.9	14.2	16.2	17.9	18.1	18.3
80°	0.0	3.2	6.3	9.5	12.6	15.8	18.4	18.8	19.2	19.6	20.0
77.5°	0.0	4.0	7.9	11.9	15.8	18.6	19.4	20.0	20.6	21.2	21.9
75°	0.0	4.7	9.5	14.2	18.4	19.4	20.4	21.2	22.0	23.0	24.0
72.5°	0.0	5.5	11.0	16.5	19.1	20.3	21.4	22.5	23.7	24.9	26.1
70°	0.0	6.3	12.5	18.4	19.7	21.1	22.5	24.0	25.4	26.8	28.5
67.5°	0.0	7.0	14.0	18.9	20.4	21.9	23.7	25.5	27.1	29.0	30.9
65°	0.0	7.7	15.5	19.4	21.0	22.8	24.9	26.9	29.0	31.2	33.5
62.5°	0.0	8.4	16.9	19.8	21.7	23.8	26.1	28.5	31.0	33.5	36.6
60°	0.0	9.1	18.3	20.3	22.3	24.8	27.3	30.2	32.9	36.1	39.7
57.5°	0.0	9.8	18.6	20.7	23.0	25.7	28.6	31.8	35.0	38.7	43.7
55°	0.0	10.5	18.9	21.2	23.8	26.6	30.0	33.4	37.1	41.5	48.2
52.5°	0.0	11.1	19.2	21.6	24.5	27.6	31.4	35.2	39.2	45.6	52.7
50°	0.0	11.8	19.4	22.0	25.2	28.7	32.7	37.0	41.6	49.5	59.9
47.5°	0.0	12.4	19.7	22.4	25.8	29.8	34.1	38.7	45.1	53.4	67.1
45°	0.0	12.9	20.0	22.9	26.5	30.9	35.6	40.4	48.6	59.6	74.0
42.5°	0.0	13.5	20.2	23.4	27.1	31.9	37.0	42.9	52.1	65.5	81.1
40°	0.0	14.0	20.4	23.8	27.8	33.0	38.4	45.8	56.1	71.2	88.2
37.5°	0.0	14.5	20.6	24.2	28.6	33.9	39.7	48.7	61.1	77.1	95.1
35°	0.0	15.0	20.9	24.6	29.3	34.9	41.0	51.5	66.0	83.3	101.2
32.5°	0.0	15.4	21.0	25.0	30.0	36.0	42.6	54.2	70.6	89.2	106.0
30°	0.0	15.8	21.2	25.3	30.7	36.9	44.7	57.0	75.0	94.8	110.8
27.5°	0.0	16.2	21.4	25.7	31.3	37.8	46.8	60.6	79.3	100.0	115.4
25°	0.0	16.6	21.5	26.0	31.8	38.7	48.7	63.9	83.6	104.1	119.9
22.5°	0.0	16.9	21.7	26.2	32.3	39.5	50.4	67.0	87.6	107.8	125.8
20°	0.0	17.2	21.8	26.5	32.8	40.2	52.1	69.9	91.2	111.2	131.3
17.5°	0.0	17.5	21.9	26.7	33.2	40.9	53.6	72.5	94.4	114.4	136.4
15°	0.0	17.7	22.0	26.9	33.5	41.5	54.8	74.7	97.3	117.4	141.0
12.5°	0.0	17.9	22.1	27.0	33.8	42.0	55.9	76.7	100.1	120.1	145.2
10°	0.0	18.0	22.2	27.2	34.1	42.5	56.8	78.4	102.9	123.3	149.7
7.5°	0.0	18.1	22.2	27.3	34.3	42.9	57.6	79.7	105.3	126.4	155.8
5°	0.0	18.2	22.3	27.3	34.4	43.2	58.2	80.8	107.4	129.2	161.5
2.5°	0.0	18.3	22.3	27.4	34.5	43.4	58.6	81.6	109.2	131.7	166.8
0°	0.0	18.3	22.3	27.4	34.5	43.6	58.8	82.1	110.5	133.8	171.4
-2.5°	0.0	18.3	22.3	27.4	34.5	43.7	58.8	82.3	110.8	135.1	175.0
-5°	0.0	18.2	22.3	27.3	34.4	43.6	58.7	82.1	110.7	135.8	177.7
-7.5°	0.0	18.1	22.2	27.3	34.3	43.5	58.4	81.6	110.1	136.1	179.3
-10°	0.0	18.0	22.2	27.2	34.1	43.3	57.9	80.8	109.1	135.8	179.7
-12.5°	0.0	17.9	22.1	27.0	33.8	43.0	57.3	79.6	107.5	134.8	176.2
-15°	0.0	17.7	22.0	26.9	33.5	42.6	56.4	78.1	105.4	132.4	170.7
-17.5°	0.0	17.5	21.9	26.7	33.2	42.0	55.4	76.2	102.9	129.7	164.5
-20°	0.0	17.2	21.8	26.5	32.8	41.4	54.2	73.9	99.8	126.5	157.7



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 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5L-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	16.9	21.7	26.2	32.3	40.7	52.8	71.3	96.3	123.0	150.4
-25°	0.0	16.6	21.5	26.0	31.8	39.8	51.2	68.3	92.3	119.1	142.5
-27.5°	0.0	16.2	21.4	25.7	31.3	38.8	49.5	64.9	87.9	114.6	137.5
-30°	0.0	15.8	21.2	25.3	30.7	37.7	47.6	61.2	83.5	109.2	132.3
-32.5°	0.0	15.4	21.0	25.0	30.0	36.5	45.6	58.4	78.9	103.3	126.8
-35°	0.0	15.0	20.9	24.6	29.3	35.2	43.8	55.8	73.9	96.8	121.1
-37.5°	0.0	14.5	20.6	24.2	28.6	33.9	42.2	53.1	68.5	90.0	113.8
-40°	0.0	14.0	20.4	23.8	27.8	33.0	40.4	50.2	62.6	83.2	105.4
-42.5°	0.0	13.5	20.2	23.4	27.1	31.9	38.4	47.2	58.3	76.0	96.5
-45°	0.0	12.9	20.0	22.9	26.5	30.9	36.4	44.3	54.6	68.5	87.3
-47.5°	0.0	12.4	19.7	22.4	25.8	29.8	34.2	41.8	50.8	60.7	78.5
-50°	0.0	11.8	19.4	21.9	25.1	28.7	32.7	39.1	46.8	56.2	69.3
-52.5°	0.0	11.1	19.2	21.5	24.3	27.6	31.4	36.2	43.2	51.5	60.2
-55°	0.0	10.5	18.9	21.1	23.5	26.6	30.0	33.4	39.7	46.7	54.9
-57.5°	0.0	9.8	18.6	20.6	22.7	25.5	28.6	31.8	36.0	42.3	49.4
-60°	0.0	9.1	18.3	20.1	21.9	24.5	27.2	30.1	32.6	37.9	44.0
-62.5°	0.0	8.4	16.9	19.7	21.3	23.4	25.9	28.4	30.7	33.4	38.8
-65°	0.0	7.7	15.5	19.2	20.6	22.2	24.5	26.7	28.7	30.7	33.4
-67.5°	0.0	7.0	14.0	18.7	20.0	21.2	23.0	25.0	26.7	28.4	30.1
-70°	0.0	6.3	12.5	18.2	19.3	20.4	21.6	23.3	24.8	26.2	27.6
-72.5°	0.0	5.5	11.0	16.3	18.6	19.5	20.5	21.6	22.9	24.1	25.2
-75°	0.0	4.7	9.5	14.0	17.9	18.7	19.5	20.2	21.0	22.1	23.0
-77.5°	0.0	4.0	7.9	11.7	15.3	17.8	18.4	19.0	19.6	20.2	20.9
-80°	0.0	3.2	6.3	9.4	12.3	15.1	17.3	17.8	18.2	18.6	19.0
-82.5°	0.0	2.4	4.8	7.0	9.2	11.3	13.3	15.3	16.8	17.1	17.3
-85°	0.0	1.6	3.2	4.7	6.2	7.6	8.9	10.2	11.4	12.6	13.7
-87.5°	0.0	0.8	1.6	2.4	3.1	3.8	4.5	5.1	5.7	6.3	6.8
-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: P699995 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5L-S

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°	7.8	8.3	8.8	9.3	9.7	10.1	10.4	10.7	10.8	10.9	10.9
85°	15.6	16.7	16.8	16.8	16.8	16.7	16.6	16.5	16.2	15.8	15.5
82.5°	18.5	18.8	19.0	19.2	19.2	19.1	19.0	18.8	18.7	18.5	18.3
80°	20.4	20.8	21.3	21.8	22.0	22.0	21.9	21.7	21.7	21.8	22.1
77.5°	22.6	23.3	24.0	24.7	25.0	25.3	25.7	26.2	26.7	27.2	27.7
75°	24.9	25.9	26.9	28.0	28.8	29.5	30.4	31.8	33.3	34.9	36.5
72.5°	27.4	28.8	30.1	31.4	33.2	35.0	36.9	38.8	41.0	43.4	45.5
70°	30.1	31.7	33.9	36.3	38.7	41.2	44.2	47.0	49.7	52.7	56.2
67.5°	32.9	35.6	38.4	41.5	45.3	48.7	52.1	57.1	61.8	65.9	69.7
65°	36.5	39.6	43.6	48.0	52.3	58.3	64.2	69.7	75.1	79.9	84.2
62.5°	40.0	44.7	49.6	55.6	63.1	69.9	76.4	82.7	88.7	93.0	96.8
60°	44.7	50.2	57.6	66.3	74.1	81.4	88.6	94.3	99.5	104.3	111.6
57.5°	49.7	57.8	67.9	76.9	85.1	92.5	98.5	104.4	112.8	121.3	130.1
55°	56.1	67.5	77.8	87.1	95.0	101.4	109.0	119.2	129.0	141.1	152.7
52.5°	64.6	76.8	87.3	96.2	103.2	112.1	123.6	136.5	150.7	165.2	184.6
50°	72.9	85.4	96.1	103.5	113.2	125.9	141.3	157.9	177.0	198.4	221.4
47.5°	80.9	93.9	102.5	111.8	125.9	142.8	162.0	183.9	207.0	235.3	261.0
45°	88.9	100.7	109.0	123.5	140.8	162.2	187.3	210.8	244.4	277.3	317.8
42.5°	96.7	106.8	119.3	135.0	158.6	186.1	215.0	249.2	286.1	331.1	396.2
40°	102.6	113.0	130.0	151.8	178.4	213.6	251.7	291.1	335.7	409.0	496.0
37.5°	108.1	122.5	141.8	168.9	204.8	246.0	289.7	342.0	412.6	500.5	618.0
35°	113.6	131.7	157.6	190.4	231.9	281.7	337.4	407.6	512.3	623.1	739.9
32.5°	120.6	140.6	173.4	214.9	264.1	320.3	386.0	506.8	646.9	777.1	866.0
30°	128.3	154.1	190.8	238.6	296.0	366.2	471.5	620.8	806.3	966.4	1074.5
27.5°	135.7	167.8	211.5	265.4	329.5	413.4	584.1	781.9	998.5	1190.6	1335.0
25°	142.8	180.5	231.4	292.5	371.7	505.3	725.6	987.9	1225.6	1469.2	1685.9
22.5°	151.4	192.2	249.0	318.4	413.9	621.7	918.9	1252.0	1567.5	1818.7	2107.8
20°	161.1	206.7	267.6	344.3	457.6	745.9	1127.6	1556.6	1994.1	2457.9	3009.8
17.5°	169.9	220.0	286.6	382.9	562.4	909.7	1356.2	1891.5	2479.4	3276.4	4483.2
15°	177.7	231.9	304.0	424.3	682.4	1120.0	1681.6	2326.9	3126.5	4357.6	6232.9
12.5°	184.5	242.4	319.7	467.2	804.6	1337.1	2047.0	2912.7	4098.8	5856.4	9704.9
10°	190.3	251.4	333.4	510.0	925.3	1554.7	2430.7	3545.0	5245.0	7578.3	13019.6
7.5°	199.5	260.8	346.3	551.2	1040.7	1766.3	2818.4	4199.2	6448.3	9251.4	15969.5
5°	208.7	270.2	363.8	608.8	1163.3	1983.9	3201.3	4848.2	7653.9	10840.7	18524.4
2.5°	216.9	277.9	379.4	665.7	1282.6	2212.4	3583.5	5445.2	8665.1	12299.3	20831.3
0°	224.1	283.9	392.4	715.9	1384.1	2413.3	3920.1	5975.5	9523.5	13601.8	22847.5
-2.5°	230.6	291.9	409.5	751.4	1429.9	2520.0	4104.3	6317.8	9929.4	14272.8	24064.5
-5°	235.7	298.3	422.7	775.1	1451.9	2581.5	4218.1	6548.5	10110.1	14623.3	24522.0
-7.5°	239.2	303.1	431.4	781.2	1421.9	2504.4	4102.6	6396.9	9867.2	14522.3	24105.5
-10°	240.1	303.4	436.0	750.1	1328.7	2328.3	3870.9	6113.6	9427.6	14060.3	22872.4
-12.5°	233.2	298.8	432.9	713.0	1220.6	2114.2	3554.4	5692.0	8786.0	13198.1	20690.7
-15°	224.9	291.3	420.5	671.5	1100.3	1863.9	3149.8	5125.5	7950.6	11932.5	17468.4
-17.5°	215.1	280.8	397.9	627.3	970.1	1579.3	2656.9	4445.3	7073.5	10734.8	15747.3
-20°	203.9	267.0	363.9	581.9	845.5	1334.6	2276.5	3856.5	6201.6	9449.2	13760.9



REPORT NUMBER: P699995 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5L-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	191.3	249.6	331.2	540.8	755.1	1140.4	1886.6	3168.7	5137.4	7925.0	11744.9
-25°	179.7	234.3	310.7	462.7	656.8	930.9	1451.9	2434.8	4133.1	6649.6	9953.1
-27.5°	170.0	217.5	281.2	386.2	556.6	738.2	1147.0	1926.5	3246.6	5201.1	8010.7
-30°	160.0	198.5	250.0	322.2	467.8	626.1	891.4	1397.9	2372.9	4003.3	6263.5
-32.5°	149.4	180.0	225.2	286.5	386.4	514.1	664.7	1053.4	1756.4	2821.6	4560.7
-35°	140.0	167.7	203.9	249.6	313.0	422.4	546.9	747.0	1175.7	2000.5	3288.5
-37.5°	133.0	155.1	183.1	218.4	271.8	345.3	429.1	555.6	817.3	1278.6	2289.9
-40°	125.9	142.2	167.4	196.5	231.4	285.3	353.5	424.1	540.3	899.5	1427.6
-42.5°	118.3	134.1	153.1	175.4	204.5	243.5	287.3	341.3	416.5	581.7	945.8
-45°	108.0	126.1	139.7	159.6	181.6	208.7	245.4	281.0	335.6	412.2	589.3
-47.5°	97.2	117.1	131.0	143.6	161.8	183.3	208.2	242.1	278.7	327.4	376.3
-50°	86.2	104.7	121.8	132.1	144.7	160.7	180.4	205.8	236.6	269.7	309.4
-52.5°	75.7	91.9	108.6	122.1	131.2	142.5	157.4	176.5	199.7	224.5	254.1
-55°	64.8	79.7	94.4	108.9	120.5	128.5	138.5	153.1	168.0	188.9	209.0
-57.5°	56.9	67.4	80.8	93.9	106.4	117.0	124.7	132.9	145.4	158.7	172.6
-60°	50.8	57.6	67.3	79.3	90.8	101.5	111.1	118.7	126.1	133.8	145.0
-62.5°	44.5	50.8	56.9	64.8	75.4	85.2	94.2	102.4	110.0	116.6	123.0
-65°	38.5	43.9	49.4	54.9	60.2	69.0	77.3	84.9	91.9	98.5	104.5
-67.5°	32.3	37.1	41.9	46.7	51.5	56.1	60.7	67.8	74.3	80.0	85.3
-70°	29.1	30.7	34.3	38.5	42.6	46.5	50.5	54.4	58.2	62.3	67.1
-72.5°	26.4	27.7	29.1	30.4	33.8	37.4	40.6	43.5	46.6	49.8	52.7
-75°	23.9	24.8	25.9	26.9	28.1	29.6	31.4	34.2	36.7	39.0	41.2
-77.5°	21.6	22.3	23.0	23.6	24.1	24.9	25.9	27.1	28.3	29.6	30.9
-80°	19.4	19.8	20.3	20.8	21.0	21.2	21.3	21.5	21.6	22.0	22.6
-82.5°	17.5	17.8	18.0	18.2	18.1	18.0	17.9	17.9	18.0	18.1	18.1
-85°	14.7	15.7	15.8	15.8	15.8	15.7	15.6	15.5	15.3	15.1	14.9
-87.5°	7.4	7.8	8.3	8.7	9.1	9.4	9.8	10.0	10.1	10.1	10.1
-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: P699995 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5L-S

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°	10.8	10.5	10.1	9.7	9.2	8.6	8.1	7.5	6.9	5.9	5.0
85°	15.1	14.5	13.9	13.3	12.6	12.0	11.3	10.6	9.9	9.7	9.5
82.5°	18.1	17.7	17.2	16.7	16.1	16.3	16.6	17.0	17.4	17.7	17.9
80°	22.3	22.5	22.8	23.2	23.6	24.6	25.8	26.8	27.8	28.3	28.7
77.5°	28.5	29.9	31.3	32.6	33.8	35.1	36.4	37.6	38.6	39.3	39.7
75°	38.3	40.0	41.6	43.2	44.7	46.2	47.6	49.0	50.1	50.9	51.6
72.5°	47.5	49.4	51.7	54.4	56.9	59.2	61.5	63.7	65.6	67.0	68.1
70°	59.3	62.2	65.5	68.6	71.5	74.2	77.0	79.6	82.1	83.8	85.0
67.5°	73.3	76.6	80.3	83.6	86.5	89.6	93.2	96.7	99.8	102.0	103.4
65°	87.9	90.9	94.8	98.6	102.4	107.7	113.2	118.2	122.7	126.0	128.1
62.5°	100.6	105.7	112.2	118.8	125.3	131.9	138.7	145.0	150.7	155.3	158.2
60°	118.7	125.4	134.4	143.4	151.7	159.3	169.4	178.7	186.8	193.7	199.1
57.5°	140.5	150.5	161.3	174.4	186.8	198.3	212.1	230.0	249.8	271.5	302.5
55°	167.4	182.9	196.2	213.0	231.1	249.4	272.4	311.6	355.6	402.9	482.3
52.5°	202.7	221.1	237.7	259.2	292.3	324.5	358.6	430.6	511.2	595.6	745.8
50°	243.1	266.9	298.4	331.0	383.4	439.5	493.4	592.3	706.6	822.3	1004.3
47.5°	296.5	332.3	387.3	444.0	511.1	587.4	662.9	771.6	894.5	1006.9	1160.9
45°	367.5	438.3	507.3	580.9	658.8	750.1	834.3	926.0	1038.0	1131.1	1239.2
42.5°	475.0	563.4	649.0	732.0	821.5	910.4	990.7	1075.2	1165.7	1250.6	1340.7
40°	601.0	698.3	787.2	877.1	949.3	1031.8	1108.7	1187.7	1289.0	1409.9	1518.1
37.5°	728.6	821.9	903.5	985.1	1052.5	1110.0	1239.4	1371.7	1497.1	1792.6	2056.9
35°	855.2	945.7	1007.9	1089.6	1187.2	1319.8	1530.6	1887.2	2205.7	2808.8	3410.6
32.5°	986.8	1084.3	1158.2	1281.3	1454.3	1886.1	2192.7	3094.0	3868.9	4167.9	4046.0
30°	1133.7	1262.3	1465.0	1703.1	2341.9	3362.9	4174.3	4543.7	4355.1	3867.4	3894.4
27.5°	1426.7	1608.3	2067.7	3257.0	4868.7	6608.8	6964.3	6024.8	6391.0	5255.4	6043.7
25°	1929.4	2270.9	4168.9	7386.0	10149.1	11272.1	12123.2	11495.1	12308.5	12342.5	13047.7
22.5°	2791.8	4949.3	8673.7	13895.0	17155.6	18899.7	19970.2	21148.2	22431.0	24340.8	25551.2
20°	4446.9	8483.3	16059.6	21615.5	25406.8	27839.2	29799.8	32390.3	35331.1	38922.2	41805.3
17.5°	8142.8	15406.6	23834.7	29833.9	33967.5	37482.7	40570.2	44141.1	48652.9	54310.8	59899.5
15°	12235.3	22961.0	31661.6	37781.9	42488.7	46601.9	50729.6	55040.3	61121.3	70123.2	83259.9
12.5°	18140.1	30219.2	39505.4	45479.7	50613.3	54628.0	58700.5	64323.7	73384.2	87022.2	139393.6
10°	24232.9	37133.1	46247.9	52159.3	56962.4	60893.9	64809.2	70664.3	87598.8	141154.9	245237.7
7.5°	29752.1	43551.5	52407.9	58107.7	62216.3	65284.0	69489.0	80559.1	118395.2	209537.0	393111.4
5°	34732.7	49483.1	58104.9	63055.0	66239.9	68745.9	73194.7	88586.1	151250.5	299585.4	519374.8
2.5°	38564.4	54379.7	63215.6	67266.9	69577.0	71708.8	76290.6	93223.2	166211.7	345669.2	576511.9
0°	40765.9	57444.2	67163.4	70681.0	72574.1	74435.8	79274.6	96894.9	167890.2	323472.0	555678.8
-2.5°	42621.8	60260.4	70646.9	74143.2	75777.8	77236.1	81724.8	98142.1	150605.7	262113.3	475186.4
-5°	42973.3	61542.3	73008.4	77293.1	78894.7	80082.7	83367.7	96501.4	131349.3	193163.2	342125.3
-7.5°	41786.1	61236.2	74506.8	80236.7	82126.4	83284.6	85676.4	93531.0	112360.9	144540.1	229403.4
-10°	39130.8	59244.5	74961.5	82880.3	85633.0	86900.0	88254.6	91320.3	100429.0	118763.4	143730.3
-12.5°	34641.1	55013.2	74110.8	85158.5	88790.0	90425.3	91791.3	93938.2	97604.0	103713.8	118721.5
-15°	29217.8	48940.2	69085.6	83023.6	90243.3	93480.9	95455.5	96470.3	98302.0	101971.0	107778.1
-17.5°	25080.7	40971.8	60844.3	79135.4	90252.3	94937.7	97499.0	99536.0	100842.2	103150.8	105460.2
-20°	20130.1	31601.2	50725.9	69671.2	84594.3	94161.5	98092.4	100634.1	102848.0	104398.8	106147.7



REPORT NUMBER: P699995 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5L-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	16891.2	25671.1	39054.1	57561.6	74969.8	87346.0	96190.8	99487.5	102271.0	103962.9	105512.3
-25°	14124.0	19591.5	29585.8	44110.5	61210.1	76441.6	87554.0	95866.6	99266.6	101636.8	103103.8
-27.5°	11610.4	16232.4	22116.6	32084.1	45940.1	60598.3	73749.8	85267.4	91699.9	97518.5	99042.3
-30°	9184.8	13066.1	17793.2	23290.4	32272.5	42898.3	55559.2	66968.5	77075.2	85018.5	89350.5
-32.5°	7159.0	10247.5	14089.1	18390.7	22656.7	29931.9	36875.9	47347.7	56704.8	64938.3	71890.9
-35°	5184.2	7769.0	10681.7	14150.9	17679.1	21527.5	25997.9	31968.7	37333.2	44166.9	50611.2
-37.5°	3646.5	5507.5	7828.1	10366.1	13333.6	16231.8	19329.8	22470.5	25405.6	29632.8	33226.1
-40°	2448.8	3673.0	5359.0	7222.7	9549.0	11792.2	14251.6	16520.9	18690.2	20951.2	22907.5
-42.5°	1481.2	2357.4	3352.8	4761.1	6316.3	8038.2	9953.6	11750.0	13314.6	14861.8	16272.2
-45°	883.8	1380.2	1979.4	2890.3	3815.7	5117.8	6413.3	7595.3	8895.1	10025.6	10964.7
-47.5°	546.4	744.3	1141.2	1602.2	2187.3	3013.4	3819.6	4591.6	5503.8	6317.9	6991.5
-50°	355.4	443.2	626.6	826.4	1199.5	1630.0	2058.2	2555.4	3117.6	3614.6	4011.8
-52.5°	281.9	322.5	365.4	436.7	617.2	812.6	1016.1	1312.3	1611.2	1884.4	2095.3
-55°	232.2	256.6	279.3	314.6	353.3	390.7	451.7	605.0	747.3	876.9	976.7
-57.5°	190.4	207.9	226.2	247.1	267.7	287.9	316.1	349.4	381.4	410.1	418.4
-60°	156.0	166.6	181.7	196.7	210.6	223.3	243.2	262.6	280.4	295.5	303.9
-62.5°	129.1	137.1	146.9	156.7	166.2	176.6	189.6	202.7	215.6	227.6	237.5
-65°	110.0	115.1	120.6	126.2	131.9	139.7	148.1	156.1	163.6	170.4	176.7
-67.5°	90.3	94.9	99.2	103.2	107.2	111.5	116.4	121.1	125.7	129.7	133.1
-70°	71.5	75.3	78.5	81.3	84.3	87.4	90.7	93.7	96.2	98.2	99.8
-72.5°	55.4	57.9	60.6	63.5	65.9	68.2	70.3	72.2	73.8	74.9	75.7
-75°	43.2	45.4	47.7	49.8	51.6	53.3	54.8	56.3	57.6	58.4	58.9
-77.5°	32.5	34.2	35.8	37.3	38.8	40.2	41.4	42.4	43.3	43.8	44.1
-80°	23.4	24.4	25.4	26.3	27.2	28.1	29.1	29.9	30.7	31.0	31.2
-82.5°	18.1	18.2	18.3	18.4	18.6	18.7	18.9	19.1	19.4	19.6	19.9
-85°	14.8	14.5	14.1	13.8	13.4	12.8	12.2	11.6	10.9	11.0	11.0
-87.5°	10.0	9.9	9.7	9.4	9.2	8.6	8.1	7.5	6.9	6.2	5.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699995 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5L-S

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°	4.0	3.0	3.0	3.0	3.0	3.0	4.0	5.0	5.9	6.9	7.5
85°	9.3	9.1	9.1	9.1	9.1	9.1	9.3	9.5	9.7	9.9	10.6
82.5°	18.1	18.2	18.3	18.3	18.3	18.2	18.1	17.9	17.7	17.4	17.0
80°	29.0	29.2	29.4	29.4	29.4	29.2	29.0	28.7	28.3	27.8	26.8
77.5°	40.1	40.4	40.0	39.5	40.0	40.4	40.1	39.7	39.3	38.6	37.6
75°	52.1	52.4	53.1	53.7	53.1	52.4	52.1	51.6	50.9	50.1	49.0
72.5°	68.9	69.5	70.4	71.0	70.4	69.5	68.9	68.1	67.0	65.6	63.7
70°	86.0	86.7	87.1	87.2	87.1	86.7	86.0	85.0	83.8	82.1	79.6
67.5°	104.3	104.9	105.3	105.5	105.3	104.9	104.3	103.4	102.0	99.8	96.7
65°	129.7	130.8	131.5	131.8	131.5	130.8	129.7	128.1	126.0	122.7	118.2
62.5°	160.4	161.9	161.2	159.2	161.2	161.9	160.4	158.2	155.3	150.7	145.0
60°	203.7	207.3	208.5	207.9	208.5	207.3	203.7	199.1	193.7	186.8	178.7
57.5°	335.5	368.4	384.9	390.4	384.9	368.4	335.5	302.5	271.5	249.8	230.0
55°	568.5	655.9	711.7	743.3	711.7	655.9	568.5	482.3	402.9	355.6	311.6
52.5°	923.1	1105.1	1237.1	1323.3	1237.1	1105.1	923.1	745.8	595.6	511.2	430.6
50°	1223.6	1439.7	1581.7	1652.8	1581.7	1439.7	1223.6	1004.3	822.3	706.6	592.3
47.5°	1363.8	1559.3	1693.2	1761.3	1693.2	1559.3	1363.8	1160.9	1006.9	894.5	771.6
45°	1408.5	1567.5	1679.8	1733.9	1679.8	1567.5	1408.5	1239.2	1131.1	1038.0	926.0
42.5°	1459.0	1552.9	1608.5	1617.3	1608.5	1552.9	1459.0	1340.7	1250.6	1165.7	1075.2
40°	1640.9	1758.2	1849.3	1888.1	1849.3	1758.2	1640.9	1518.1	1409.9	1289.0	1187.7
37.5°	2295.3	2491.5	2623.2	2646.5	2623.2	2491.5	2295.3	2056.9	1792.6	1497.1	1371.7
35°	3917.1	4321.4	4610.3	4774.9	4610.3	4321.4	3917.1	3410.6	2808.8	2205.7	1887.2
32.5°	3902.6	3816.3	3765.7	3750.8	3765.7	3816.3	3902.6	4046.0	4167.9	3868.9	3094.0
30°	3572.3	3464.4	3331.5	3326.9	3331.5	3464.4	3572.3	3894.4	3867.4	4355.1	4543.7
27.5°	5858.5	5685.5	5243.7	5277.9	5243.7	5685.5	5858.5	6043.7	5255.4	6391.0	6024.8
25°	13651.8	13713.3	13356.9	12285.6	13356.9	13713.3	13651.8	13047.7	12342.5	12308.5	11495.1
22.5°	27108.0	27876.8	29018.8	29259.0	29018.8	27876.8	27108.0	25551.2	24340.8	22431.0	21148.2
20°	45147.3	47288.8	50220.8	51188.8	50220.8	47288.8	45147.3	41805.3	38922.2	35331.1	32390.3
17.5°	68562.8	75450.1	81255.8	81167.8	81255.8	75450.1	68562.8	59899.5	54310.8	48652.9	44141.1
15°	113090.8	142265.6	164457.5	173091.0	164457.5	142265.6	113090.8	83259.9	70123.2	61121.3	55040.3
12.5°	207885.3	292833.1	349322.5	386321.9	349322.5	292833.1	207885.3	139393.6	87022.2	73384.2	64323.7
10°	396845.5	527712.3	596791.1	633018.7	596791.1	527712.3	396845.5	245237.7	141154.9	87598.8	70664.3
7.5°	579942.0	677061.9	723385.8	734632.8	723385.8	677061.9	579942.0	393111.4	209537.0	118395.2	80559.1
5°	677357.5	737593.8	746164.3	748181.9	746164.3	737593.8	677357.5	519374.8	299585.4	151250.5	88586.1
2.5°	714213.7	739945.2	735606.8	733315.6	735606.8	739945.2	714213.7	576511.9	345669.2	166211.7	93223.2
0°	703490.3	735573.8	725788.7	722881.5	725788.7	735573.8	703490.3	555678.8	323472.0	167890.2	96894.9
-2.5°	647516.9	713016.4	717253.9	716756.5	717253.9	713016.4	647516.9	475186.4	262113.3	150605.7	98142.1
-5°	539343.3	643305.3	677994.7	686836.8	677994.7	643305.3	539343.3	342125.3	193163.2	131349.3	96501.4
-7.5°	377334.4	502882.9	565153.9	584469.9	565153.9	502882.9	377334.4	229403.4	144540.1	112360.9	93531.0
-10°	209558.4	310022.7	379018.4	405704.0	379018.4	310022.7	209558.4	143730.3	118763.4	100429.0	91320.3
-12.5°	135802.2	164948.7	192430.4	202539.2	192430.4	164948.7	135802.2	118721.5	103713.8	97604.0	93938.2
-15°	117238.2	126177.1	131702.4	133512.5	131702.4	126177.1	117238.2	107778.1	101971.0	98302.0	96470.3
-17.5°	109799.2	113071.9	115418.4	117529.9	115418.4	113071.9	109799.2	105460.2	103150.8	100842.2	99536.0
-20°	107937.2	109913.7	110852.1	111736.9	110852.1	109913.7	107937.2	106147.7	104398.8	102848.0	100634.1



REPORT NUMBER: P699995 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5L-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	106613.4	107787.8	108642.1	109586.2	108642.1	107787.8	106613.4	105512.3	103962.9	102271.0	99487.5
-25°	104122.0	105041.8	105739.1	106561.4	105739.1	105041.8	104122.0	103103.8	101636.8	99266.6	95866.6
-27.5°	100220.0	101111.9	101622.2	102298.5	101622.2	101111.9	100220.0	99042.3	97518.5	91699.9	85267.4
-30°	92617.2	94877.8	96192.8	97570.2	96192.8	94877.8	92617.2	89350.5	85018.5	77075.2	66968.5
-32.5°	77156.6	80664.5	82783.8	83934.0	82783.8	80664.5	77156.6	71890.9	64938.3	56704.8	47347.7
-35°	55524.9	58710.9	60684.2	62532.4	60684.2	58710.9	55524.9	50611.2	44166.9	37333.2	31968.7
-37.5°	35990.6	37879.4	39074.5	39912.1	39074.5	37879.4	35990.6	33226.1	29632.8	25405.6	22470.5
-40°	24647.1	26015.2	26884.5	27090.1	26884.5	26015.2	24647.1	22907.5	20951.2	18690.2	16520.9
-42.5°	17681.3	18872.5	19666.1	19900.8	19666.1	18872.5	17681.3	16272.2	14861.8	13314.6	11750.0
-45°	11805.7	12498.2	12914.4	12979.2	12914.4	12498.2	11805.7	10964.7	10025.6	8895.1	7595.3
-47.5°	7504.0	7886.1	8137.6	8256.0	8137.6	7886.1	7504.0	6991.5	6317.9	5503.8	4591.6
-50°	4319.9	4552.8	4717.0	4808.4	4717.0	4552.8	4319.9	4011.8	3614.6	3117.6	2555.4
-52.5°	2256.5	2374.7	2453.8	2493.4	2453.8	2374.7	2256.5	2095.3	1884.4	1611.2	1312.3
-55°	1061.4	1129.3	1163.6	1167.1	1163.6	1129.3	1061.4	976.7	876.9	747.3	605.0
-57.5°	420.9	418.4	416.9	414.7	416.9	418.4	420.9	418.4	410.1	381.4	349.4
-60°	309.9	313.5	317.3	320.4	317.3	313.5	309.9	303.9	295.5	280.4	262.6
-62.5°	246.3	253.7	257.3	258.6	257.3	253.7	246.3	237.5	227.6	215.6	202.7
-65°	182.3	187.1	189.1	189.6	189.1	187.1	182.3	176.7	170.4	163.6	156.1
-67.5°	136.0	138.4	139.6	139.9	139.6	138.4	136.0	133.1	129.7	125.7	121.1
-70°	100.9	101.6	102.2	102.4	102.2	101.6	100.9	99.8	98.2	96.2	93.7
-72.5°	76.3	76.6	77.0	77.1	77.0	76.6	76.3	75.7	74.9	73.8	72.2
-75°	59.3	59.5	59.7	59.8	59.7	59.5	59.3	58.9	58.4	57.6	56.3
-77.5°	44.3	44.4	44.5	44.6	44.5	44.4	44.3	44.1	43.8	43.3	42.4
-80°	31.3	31.2	31.4	31.4	31.4	31.2	31.3	31.2	31.0	30.7	29.9
-82.5°	20.1	20.2	20.3	20.3	20.3	20.2	20.1	19.9	19.6	19.4	19.1
-85°	11.1	11.1	11.2	11.2	11.2	11.1	11.1	11.0	11.0	10.9	11.6
-87.5°	4.8	4.1	4.1	4.1	4.1	4.1	4.8	5.5	6.2	6.9	7.5
-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: P699995 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
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°	8.1	8.6	9.2	9.7	10.1	10.5	10.8	10.9	10.9	10.8	10.7
85°	11.3	12.0	12.6	13.3	13.9	14.5	15.1	15.5	15.8	16.2	16.5
82.5°	16.6	16.3	16.1	16.7	17.2	17.7	18.1	18.3	18.5	18.7	18.8
80°	25.8	24.6	23.6	23.2	22.8	22.5	22.3	22.1	21.8	21.7	21.7
77.5°	36.4	35.1	33.8	32.6	31.3	29.9	28.5	27.7	27.2	26.7	26.2
75°	47.6	46.2	44.7	43.2	41.6	40.0	38.3	36.5	34.9	33.3	31.8
72.5°	61.5	59.2	56.9	54.4	51.7	49.4	47.5	45.5	43.4	41.0	38.8
70°	77.0	74.2	71.5	68.6	65.5	62.2	59.3	56.2	52.7	49.7	47.0
67.5°	93.2	89.6	86.5	83.6	80.3	76.6	73.3	69.7	65.9	61.8	57.1
65°	113.2	107.7	102.4	98.6	94.8	90.9	87.9	84.2	79.9	75.1	69.7
62.5°	138.7	131.9	125.3	118.8	112.2	105.7	100.6	96.8	93.0	88.7	82.7
60°	169.4	159.3	151.7	143.4	134.4	125.4	118.7	111.6	104.3	99.5	94.3
57.5°	212.1	198.3	186.8	174.4	161.3	150.5	140.5	130.1	121.3	112.8	104.4
55°	272.4	249.4	231.1	213.0	196.2	182.9	167.4	152.7	141.1	129.0	119.2
52.5°	358.6	324.5	292.3	259.2	237.7	221.1	202.7	184.6	165.2	150.7	136.5
50°	493.4	439.5	383.4	331.0	298.4	266.9	243.1	221.4	198.4	177.0	157.9
47.5°	662.9	587.4	511.1	444.0	387.3	332.3	296.5	261.0	235.3	207.0	183.9
45°	834.3	750.1	658.8	580.9	507.3	438.3	367.5	317.8	277.3	244.4	210.8
42.5°	990.7	910.4	821.5	732.0	649.0	563.4	475.0	396.2	331.1	286.1	249.2
40°	1108.7	1031.8	949.3	877.1	787.2	698.3	601.0	496.0	409.0	335.7	291.1
37.5°	1239.4	1110.0	1052.5	985.1	903.5	821.9	728.6	618.0	500.5	412.6	342.0
35°	1530.6	1319.8	1187.2	1089.6	1007.9	945.7	855.2	739.9	623.1	512.3	407.6
32.5°	2192.7	1886.1	1454.3	1281.3	1158.2	1084.3	986.8	866.0	777.1	646.9	506.8
30°	4174.3	3362.9	2341.9	1703.1	1465.0	1262.3	1133.7	1074.5	966.4	806.3	620.8
27.5°	6964.3	6608.8	4868.7	3257.0	2067.7	1608.3	1426.7	1335.0	1190.6	998.5	781.9
25°	12123.2	11272.1	10149.1	7386.0	4168.9	2270.9	1929.4	1685.9	1469.2	1225.6	987.9
22.5°	19970.2	18899.7	17155.6	13895.0	8673.7	4949.3	2791.8	2107.8	1818.7	1567.5	1252.0
20°	29799.8	27839.2	25406.8	21615.5	16059.6	8483.3	4446.9	3009.8	2457.9	1994.1	1556.6
17.5°	40570.2	37482.7	33967.5	29833.9	23834.7	15406.6	8142.8	4483.2	3276.4	2479.4	1891.5
15°	50729.6	46601.9	42488.7	37781.9	31661.6	22961.0	12235.3	6232.9	4357.6	3126.5	2326.9
12.5°	58700.5	54628.0	50613.3	45479.7	39505.4	30219.2	18140.1	9704.9	5856.4	4098.8	2912.7
10°	64809.2	60893.9	56962.4	52159.3	46247.9	37133.1	24232.9	13019.6	7578.3	5245.0	3545.0
7.5°	69489.0	65284.0	62216.3	58107.7	52407.9	43551.5	29752.1	15969.5	9251.4	6448.3	4199.2
5°	73194.7	68745.9	66239.9	63055.0	58104.9	49483.1	34732.7	18524.4	10840.7	7653.9	4848.2
2.5°	76290.6	71708.8	69577.0	67266.9	63215.6	54379.7	38564.4	20831.3	12299.3	8665.1	5445.2
0°	79274.6	74435.8	72574.1	70681.0	67163.4	57444.2	40765.9	22847.5	13601.8	9523.5	5975.5
-2.5°	81724.8	77236.1	75777.8	74143.2	70646.9	60260.4	42621.8	24064.5	14272.8	9929.4	6317.8
-5°	83367.7	80082.7	78894.7	77293.1	73008.4	61542.3	42973.3	24522.0	14623.3	10110.1	6548.5
-7.5°	85676.4	83284.6	82126.4	80236.7	74506.8	61236.2	41786.1	24105.5	14522.3	9867.2	6396.9
-10°	88254.6	86900.0	85633.0	82880.3	74961.5	59244.5	39130.8	22872.4	14060.3	9427.6	6113.6
-12.5°	91791.3	90425.3	88790.0	85158.5	74110.8	55013.2	34641.1	20690.7	13198.1	8786.0	5692.0
-15°	95455.5	93480.9	90243.3	83023.6	69085.6	48940.2	29217.8	17468.4	11932.5	7950.6	5125.5
-17.5°	97499.0	94937.7	90252.3	79135.4	60844.3	40971.8	25080.7	15747.3	10734.8	7073.5	4445.3
-20°	98092.4	94161.5	84594.3	69671.2	50725.9	31601.2	20130.1	13760.9	9449.2	6201.6	3856.5



REPORT NUMBER: P699995 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5L-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	96190.8	87346.0	74969.8	57561.6	39054.1	25671.1	16891.2	11744.9	7925.0	5137.4	3168.7
-25°	87554.0	76441.6	61210.1	44110.5	29585.8	19591.5	14124.0	9953.1	6649.6	4133.1	2434.8
-27.5°	73749.8	60598.3	45940.1	32084.1	22116.6	16232.4	11610.4	8010.7	5201.1	3246.6	1926.5
-30°	55559.2	42898.3	32272.5	23290.4	17793.2	13066.1	9184.8	6263.5	4003.3	2372.9	1397.9
-32.5°	36875.9	29931.9	22656.7	18390.7	14089.1	10247.5	7159.0	4560.7	2821.6	1756.4	1053.4
-35°	25997.9	21527.5	17679.1	14150.9	10681.7	7769.0	5184.2	3288.5	2000.5	1175.7	747.0
-37.5°	19329.8	16231.8	13333.6	10366.1	7828.1	5507.5	3646.5	2289.9	1278.6	817.3	555.6
-40°	14251.6	11792.2	9549.0	7222.7	5359.0	3673.0	2448.8	1427.6	899.5	540.3	424.1
-42.5°	9953.6	8038.2	6316.3	4761.1	3352.8	2357.4	1481.2	945.8	581.7	416.5	341.3
-45°	6413.3	5117.8	3815.7	2890.3	1979.4	1380.2	883.8	589.3	412.2	335.6	281.0
-47.5°	3819.6	3013.4	2187.3	1602.2	1141.2	744.3	546.4	376.3	327.4	278.7	242.1
-50°	2058.2	1630.0	1199.5	826.4	626.6	443.2	355.4	309.4	269.7	236.6	205.8
-52.5°	1016.1	812.6	617.2	436.7	365.4	322.5	281.9	254.1	224.5	199.7	176.5
-55°	451.7	390.7	353.3	314.6	279.3	256.6	232.2	209.0	188.9	168.0	153.1
-57.5°	316.1	287.9	267.7	247.1	226.2	207.9	190.4	172.6	158.7	145.4	132.9
-60°	243.2	223.3	210.6	196.7	181.7	166.6	156.0	145.0	133.8	126.1	118.7
-62.5°	189.6	176.6	166.2	156.7	146.9	137.1	129.1	123.0	116.6	110.0	102.4
-65°	148.1	139.7	131.9	126.2	120.6	115.1	110.0	104.5	98.5	91.9	84.9
-67.5°	116.4	111.5	107.2	103.2	99.2	94.9	90.3	85.3	80.0	74.3	67.8
-70°	90.7	87.4	84.3	81.3	78.5	75.3	71.5	67.1	62.3	58.2	54.4
-72.5°	70.3	68.2	65.9	63.5	60.6	57.9	55.4	52.7	49.8	46.6	43.5
-75°	54.8	53.3	51.6	49.8	47.7	45.4	43.2	41.2	39.0	36.7	34.2
-77.5°	41.4	40.2	38.8	37.3	35.8	34.2	32.5	30.9	29.6	28.3	27.1
-80°	29.1	28.1	27.2	26.3	25.4	24.4	23.4	22.6	22.0	21.6	21.5
-82.5°	18.9	18.7	18.6	18.4	18.3	18.2	18.1	18.1	18.1	18.0	17.9
-85°	12.2	12.8	13.4	13.8	14.1	14.5	14.8	14.9	15.1	15.3	15.5
-87.5°	8.1	8.6	9.2	9.4	9.7	9.9	10.0	10.1	10.1	10.1	10.0
-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: P699995 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-5L-S

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°	10.4	10.1	9.7	9.3	8.8	8.3	7.8	7.3	6.7	6.1	5.4
85°	16.6	16.7	16.8	16.8	16.8	16.7	15.6	14.5	13.4	12.1	10.8
82.5°	19.0	19.1	19.2	19.2	19.0	18.8	18.5	18.3	18.1	17.9	16.2
80°	21.9	22.0	22.0	21.8	21.3	20.8	20.4	20.0	19.6	19.2	18.8
77.5°	25.7	25.3	25.0	24.7	24.0	23.3	22.6	21.9	21.2	20.6	20.0
75°	30.4	29.5	28.8	28.0	26.9	25.9	24.9	24.0	23.0	22.0	21.2
72.5°	36.9	35.0	33.2	31.4	30.1	28.8	27.4	26.1	24.9	23.7	22.5
70°	44.2	41.2	38.7	36.3	33.9	31.7	30.1	28.5	26.8	25.4	24.0
67.5°	52.1	48.7	45.3	41.5	38.4	35.6	32.9	30.9	29.0	27.1	25.5
65°	64.2	58.3	52.3	48.0	43.6	39.6	36.5	33.5	31.2	29.0	26.9
62.5°	76.4	69.9	63.1	55.6	49.6	44.7	40.0	36.6	33.5	31.0	28.5
60°	88.6	81.4	74.1	66.3	57.6	50.2	44.7	39.7	36.1	32.9	30.2
57.5°	98.5	92.5	85.1	76.9	67.9	57.8	49.7	43.7	38.7	35.0	31.8
55°	109.0	101.4	95.0	87.1	77.8	67.5	56.1	48.2	41.5	37.1	33.4
52.5°	123.6	112.1	103.2	96.2	87.3	76.8	64.6	52.7	45.6	39.2	35.2
50°	141.3	125.9	113.2	103.5	96.1	85.4	72.9	59.9	49.5	41.6	37.0
47.5°	162.0	142.8	125.9	111.8	102.5	93.9	80.9	67.1	53.4	45.1	38.7
45°	187.3	162.2	140.8	123.5	109.0	100.7	88.9	74.0	59.6	48.6	40.4
42.5°	215.0	186.1	158.6	135.0	119.3	106.8	96.7	81.1	65.5	52.1	42.9
40°	251.7	213.6	178.4	151.8	130.0	113.0	102.6	88.2	71.2	56.1	45.8
37.5°	289.7	246.0	204.8	168.9	141.8	122.5	108.1	95.1	77.1	61.1	48.7
35°	337.4	281.7	231.9	190.4	157.6	131.7	113.6	101.2	83.3	66.0	51.5
32.5°	386.0	320.3	264.1	214.9	173.4	140.6	120.6	106.0	89.2	70.6	54.2
30°	471.5	366.2	296.0	238.6	190.8	154.1	128.3	110.8	94.8	75.0	57.0
27.5°	584.1	413.4	329.5	265.4	211.5	167.8	135.7	115.4	100.0	79.3	60.6
25°	725.6	505.3	371.7	292.5	231.4	180.5	142.8	119.9	104.1	83.6	63.9
22.5°	918.9	621.7	413.9	318.4	249.0	192.2	151.4	125.8	107.8	87.6	67.0
20°	1127.6	745.9	457.6	344.3	267.6	206.7	161.1	131.3	111.2	91.2	69.9
17.5°	1356.2	909.7	562.4	382.9	286.6	220.0	169.9	136.4	114.4	94.4	72.5
15°	1681.6	1120.0	682.4	424.3	304.0	231.9	177.7	141.0	117.4	97.3	74.7
12.5°	2047.0	1337.1	804.6	467.2	319.7	242.4	184.5	145.2	120.1	100.1	76.7
10°	2430.7	1554.7	925.3	510.0	333.4	251.4	190.3	149.7	123.3	102.9	78.4
7.5°	2818.4	1766.3	1040.7	551.2	346.3	260.8	199.5	155.8	126.4	105.3	79.7
5°	3201.3	1983.9	1163.3	608.8	363.8	270.2	208.7	161.5	129.2	107.4	80.8
2.5°	3583.5	2212.4	1282.6	665.7	379.4	277.9	216.9	166.8	131.7	109.2	81.6
0°	3920.1	2413.3	1384.1	715.9	392.4	283.9	224.1	171.4	133.8	110.5	82.1
-2.5°	4104.3	2520.0	1429.9	751.4	409.5	291.9	230.6	175.0	135.1	110.8	82.3
-5°	4218.1	2581.5	1451.9	775.1	422.7	298.3	235.7	177.7	135.8	110.7	82.1
-7.5°	4102.6	2504.4	1421.9	781.2	431.4	303.1	239.2	179.3	136.1	110.1	81.6
-10°	3870.9	2328.3	1328.7	750.1	436.0	303.4	240.1	179.7	135.8	109.1	80.8
-12.5°	3554.4	2114.2	1220.6	713.0	432.9	298.8	233.2	176.2	134.8	107.5	79.6
-15°	3149.8	1863.9	1100.3	671.5	420.5	291.3	224.9	170.7	132.4	105.4	78.1
-17.5°	2656.9	1579.3	970.1	627.3	397.9	280.8	215.1	164.5	129.7	102.9	76.2
-20°	2276.5	1334.6	845.5	581.9	363.9	267.0	203.9	157.7	126.5	99.8	73.9



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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°	1886.6	1140.4	755.1	540.8	331.2	249.6	191.3	150.4	123.0	96.3	71.3
-25°	1451.9	930.9	656.8	462.7	310.7	234.3	179.7	142.5	119.1	92.3	68.3
-27.5°	1147.0	738.2	556.6	386.2	281.2	217.5	170.0	137.5	114.6	87.9	64.9
-30°	891.4	626.1	467.8	322.2	250.0	198.5	160.0	132.3	109.2	83.5	61.2
-32.5°	664.7	514.1	386.4	286.5	225.2	180.0	149.4	126.8	103.3	78.9	58.4
-35°	546.9	422.4	313.0	249.6	203.9	167.7	140.0	121.1	96.8	73.9	55.8
-37.5°	429.1	345.3	271.8	218.4	183.1	155.1	133.0	113.8	90.0	68.5	53.1
-40°	353.5	285.3	231.4	196.5	167.4	142.2	125.9	105.4	83.2	62.6	50.2
-42.5°	287.3	243.5	204.5	175.4	153.1	134.1	118.3	96.5	76.0	58.3	47.2
-45°	245.4	208.7	181.6	159.6	139.7	126.1	108.0	87.3	68.5	54.6	44.3
-47.5°	208.2	183.3	161.8	143.6	131.0	117.1	97.2	78.5	60.7	50.8	41.8
-50°	180.4	160.7	144.7	132.1	121.8	104.7	86.2	69.3	56.2	46.8	39.1
-52.5°	157.4	142.5	131.2	122.1	108.6	91.9	75.7	60.2	51.5	43.2	36.2
-55°	138.5	128.5	120.5	108.9	94.4	79.7	64.8	54.9	46.7	39.7	33.4
-57.5°	124.7	117.0	106.4	93.9	80.8	67.4	56.9	49.4	42.3	36.0	31.8
-60°	111.1	101.5	90.8	79.3	67.3	57.6	50.8	44.0	37.9	32.6	30.1
-62.5°	94.2	85.2	75.4	64.8	56.9	50.8	44.5	38.8	33.4	30.7	28.4
-65°	77.3	69.0	60.2	54.9	49.4	43.9	38.5	33.4	30.7	28.7	26.7
-67.5°	60.7	56.1	51.5	46.7	41.9	37.1	32.3	30.1	28.4	26.7	25.0
-70°	50.5	46.5	42.6	38.5	34.3	30.7	29.1	27.6	26.2	24.8	23.3
-72.5°	40.6	37.4	33.8	30.4	29.1	27.7	26.4	25.2	24.1	22.9	21.6
-75°	31.4	29.6	28.1	26.9	25.9	24.8	23.9	23.0	22.1	21.0	20.2
-77.5°	25.9	24.9	24.1	23.6	23.0	22.3	21.6	20.9	20.2	19.6	19.0
-80°	21.3	21.2	21.0	20.8	20.3	19.8	19.4	19.0	18.6	18.2	17.8
-82.5°	17.9	18.0	18.1	18.2	18.0	17.8	17.5	17.3	17.1	16.8	15.3
-85°	15.6	15.7	15.8	15.8	15.8	15.7	14.7	13.7	12.6	11.4	10.2
-87.5°	9.8	9.4	9.1	8.7	8.3	7.8	7.4	6.8	6.3	5.7	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



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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°	4.7	4.0	3.2	2.4	1.6	0.8	0.0
85°	9.5	7.9	6.3	4.8	3.2	1.6	0.0
82.5°	14.2	11.9	9.5	7.1	4.8	2.4	0.0
80°	18.4	15.8	12.6	9.5	6.3	3.2	0.0
77.5°	19.4	18.6	15.8	11.9	7.9	4.0	0.0
75°	20.4	19.4	18.4	14.2	9.5	4.7	0.0
72.5°	21.4	20.3	19.1	16.5	11.0	5.5	0.0
70°	22.5	21.1	19.7	18.4	12.5	6.3	0.0
67.5°	23.7	21.9	20.4	18.9	14.0	7.0	0.0
65°	24.9	22.8	21.0	19.4	15.5	7.7	0.0
62.5°	26.1	23.8	21.7	19.8	16.9	8.4	0.0
60°	27.3	24.8	22.3	20.3	18.3	9.1	0.0
57.5°	28.6	25.7	23.0	20.7	18.6	9.8	0.0
55°	30.0	26.6	23.8	21.2	18.9	10.5	0.0
52.5°	31.4	27.6	24.5	21.6	19.2	11.1	0.0
50°	32.7	28.7	25.2	22.0	19.4	11.8	0.0
47.5°	34.1	29.8	25.8	22.4	19.7	12.4	0.0
45°	35.6	30.9	26.5	22.9	20.0	12.9	0.0
42.5°	37.0	31.9	27.1	23.4	20.2	13.5	0.0
40°	38.4	33.0	27.8	23.8	20.4	14.0	0.0
37.5°	39.7	33.9	28.6	24.2	20.6	14.5	0.0
35°	41.0	34.9	29.3	24.6	20.9	15.0	0.0
32.5°	42.6	36.0	30.0	25.0	21.0	15.4	0.0
30°	44.7	36.9	30.7	25.3	21.2	15.8	0.0
27.5°	46.8	37.8	31.3	25.7	21.4	16.2	0.0
25°	48.7	38.7	31.8	26.0	21.5	16.6	0.0
22.5°	50.4	39.5	32.3	26.2	21.7	16.9	0.0
20°	52.1	40.2	32.8	26.5	21.8	17.2	0.0
17.5°	53.6	40.9	33.2	26.7	21.9	17.5	0.0
15°	54.8	41.5	33.5	26.9	22.0	17.7	0.0
12.5°	55.9	42.0	33.8	27.0	22.1	17.9	0.0
10°	56.8	42.5	34.1	27.2	22.2	18.0	0.0
7.5°	57.6	42.9	34.3	27.3	22.2	18.1	0.0
5°	58.2	43.2	34.4	27.3	22.3	18.2	0.0
2.5°	58.6	43.4	34.5	27.4	22.3	18.3	0.0
0°	58.8	43.6	34.5	27.4	22.3	18.3	0.0
-2.5°	58.8	43.7	34.5	27.4	22.3	18.3	0.0
-5°	58.7	43.6	34.4	27.3	22.3	18.2	0.0
-7.5°	58.4	43.5	34.3	27.3	22.2	18.1	0.0
-10°	57.9	43.3	34.1	27.2	22.2	18.0	0.0
-12.5°	57.3	43.0	33.8	27.0	22.1	17.9	0.0
-15°	56.4	42.6	33.5	26.9	22.0	17.7	0.0
-17.5°	55.4	42.0	33.2	26.7	21.9	17.5	0.0
-20°	54.2	41.4	32.8	26.5	21.8	17.2	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	52.8	40.7	32.3	26.2	21.7	16.9	0.0
-25°	51.2	39.8	31.8	26.0	21.5	16.6	0.0
-27.5°	49.5	38.8	31.3	25.7	21.4	16.2	0.0
-30°	47.6	37.7	30.7	25.3	21.2	15.8	0.0
-32.5°	45.6	36.5	30.0	25.0	21.0	15.4	0.0
-35°	43.8	35.2	29.3	24.6	20.9	15.0	0.0
-37.5°	42.2	33.9	28.6	24.2	20.6	14.5	0.0
-40°	40.4	33.0	27.8	23.8	20.4	14.0	0.0
-42.5°	38.4	31.9	27.1	23.4	20.2	13.5	0.0
-45°	36.4	30.9	26.5	22.9	20.0	12.9	0.0
-47.5°	34.2	29.8	25.8	22.4	19.7	12.4	0.0
-50°	32.7	28.7	25.1	21.9	19.4	11.8	0.0
-52.5°	31.4	27.6	24.3	21.5	19.2	11.1	0.0
-55°	30.0	26.6	23.5	21.1	18.9	10.5	0.0
-57.5°	28.6	25.5	22.7	20.6	18.6	9.8	0.0
-60°	27.2	24.5	21.9	20.1	18.3	9.1	0.0
-62.5°	25.9	23.4	21.3	19.7	16.9	8.4	0.0
-65°	24.5	22.2	20.6	19.2	15.5	7.7	0.0
-67.5°	23.0	21.2	20.0	18.7	14.0	7.0	0.0
-70°	21.6	20.4	19.3	18.2	12.5	6.3	0.0
-72.5°	20.5	19.5	18.6	16.3	11.0	5.5	0.0
-75°	19.5	18.7	17.9	14.0	9.5	4.7	0.0
-77.5°	18.4	17.8	15.3	11.7	7.9	4.0	0.0
-80°	17.3	15.1	12.3	9.4	6.3	3.2	0.0
-82.5°	13.3	11.3	9.2	7.0	4.8	2.4	0.0
-85°	8.9	7.6	6.2	4.7	3.2	1.6	0.0
-87.5°	4.5	3.8	3.1	2.4	1.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)