

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

Brand: EPHESUS

Report Number: P1212204 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-80-4S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212204 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-28)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-57-80-4S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

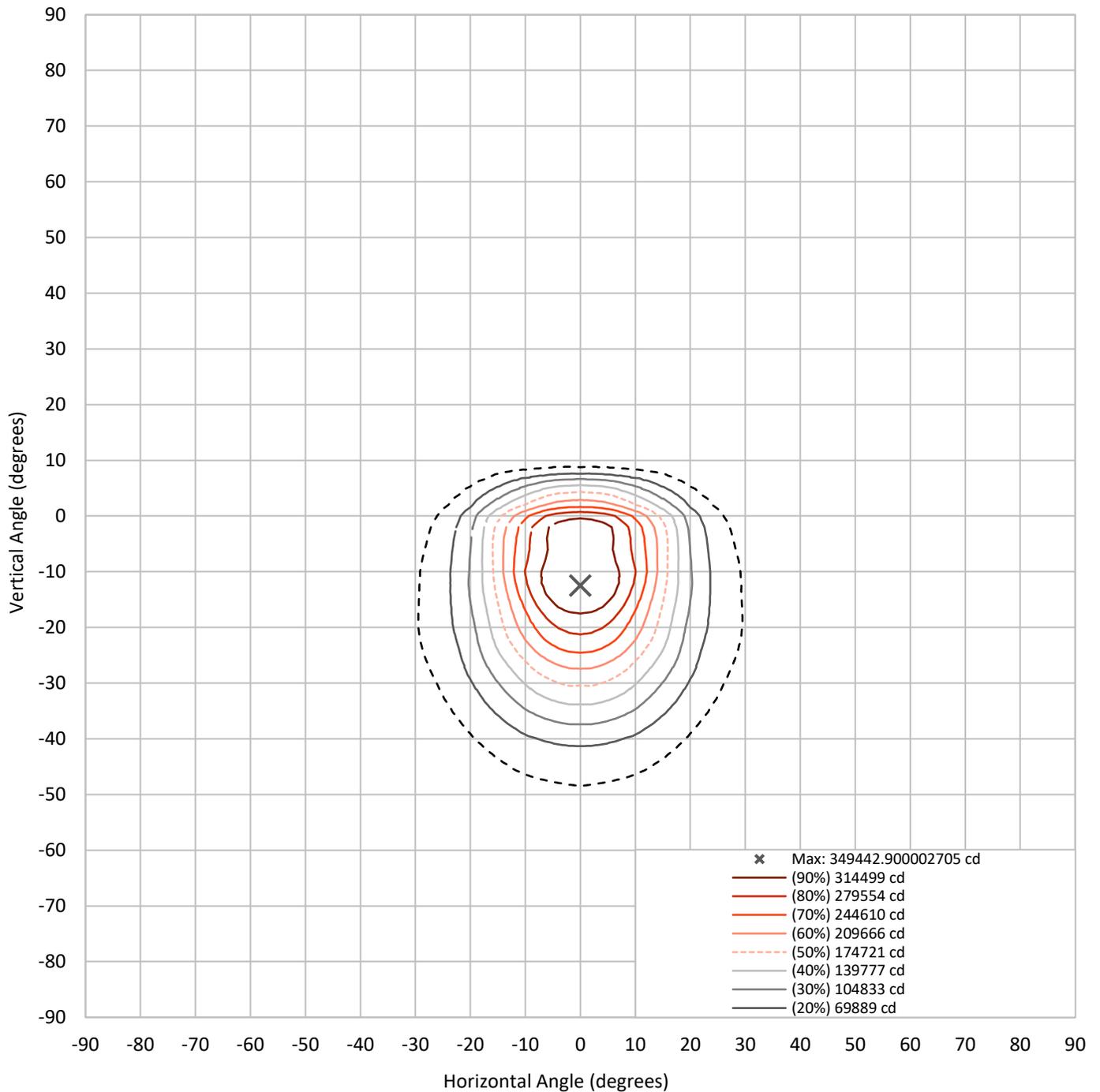
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	131941.8 lumens	Max Intensity:	349442.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -12.5°V
Efficacy:	126.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	31.2°H x 35°V	Field Angle (10%):	58.5°H x 57.2°V
Beam Lumens:	70801.5 lumens	Field Lumens:	117620.2 lumens
Beam Efficiency:	53.7%	Field Efficiency:	89.1%

Input Watts (W): 1041
Input Voltage (V): NR
Input Current (A_{in}): 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





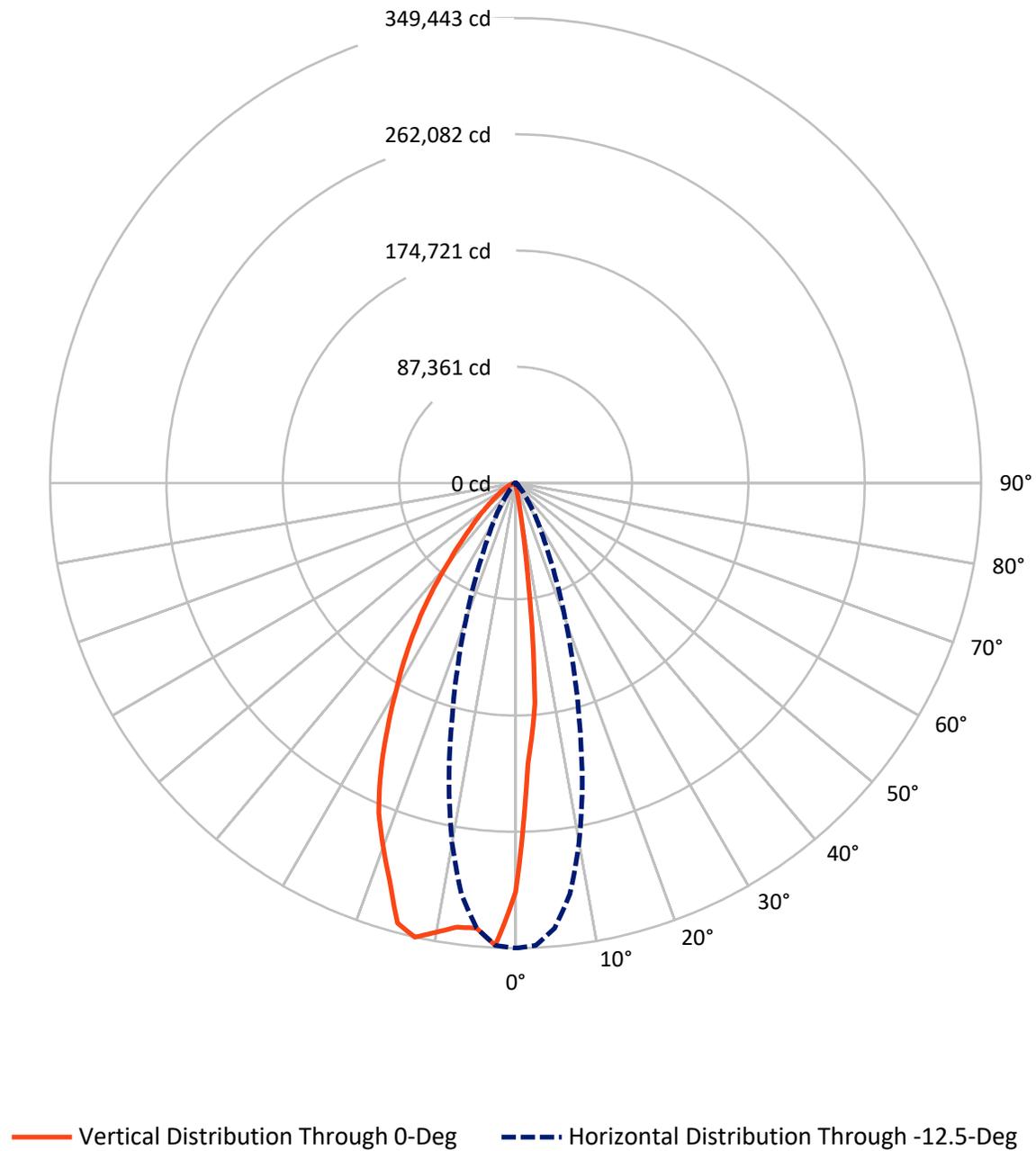
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Lumen Table

90	2.3		5.9		6.9		5.8		4.2		5.8		6.9		5.9		2.3
80	2.3		5.9		6.9		5.8		4.2		5.8		6.9		5.9		2.3
70	2.2	1.2	1.5	1.5	1.4	1.1	0.7	0.2	0.2	0.7	1.1	1.4	1.5	1.5	1.2	2.2	
60		1.3	1.5	1.6	1.5	1.2	0.7	0.2	0.2	0.7	1.2	1.5	1.6	1.5	1.3		
50	2.3	1.3	1.6	1.7	1.7	1.3	0.8	0.3	0.3	0.8	1.3	1.7	1.7	1.6	1.3	2.3	
40		1.4	1.7	1.9	1.9	1.7	1.1	0.4	0.4	1.1	1.7	1.9	1.9	1.7	1.4		
30	2.5	1.5	1.9	2.2	2.4	2.3	1.6	0.6	0.6	1.6	2.3	2.4	2.2	1.9	1.5	2.5	
20		1.6	2.4	3.6	5.0	11.5	21.0	20.1	20.1	21.0	11.5	5.0	3.6	2.4	1.6		
10	3.0	2.1	5.0	15.3	92.6	553.8	2255.6	4171.9	4171.9	2255.6	553.8	92.6	15.3	5.0	2.1	3.0	
0		3.7	14.8	51.8	335.8	1569.7	5491.7	9520.5	9520.5	5491.7	1569.7	335.8	51.8	14.8	3.7		
-10	3.8	6.1	25.6	78.7	429.9	1714.6	5235.2	9299.6	9299.6	5235.2	1714.6	429.9	78.7	25.6	6.1	3.8	
-20		7.9	31.8	87.4	365.8	1429.3	3928.4	6670.1	6670.1	3928.4	1429.3	365.8	87.4	31.8	7.9		
-30	4.5	8.2	33.0	86.8	249.4	841.7	2210.8	3641.7	3641.7	2210.8	841.7	249.4	86.8	33.0	8.2	4.5	
-40		7.4	28.7	76.4	172.8	426.6	937.9	1424.9	1424.9	937.9	426.6	172.8	76.4	28.7	7.4		
-50	4.3	5.9	19.6	54.2	116.9	228.2	403.5	547.9	547.9	403.5	228.2	116.9	54.2	19.6	5.9	4.3	
-60		4.5	11.0	28.3	60.3	108.5	173.5	220.4	220.4	173.5	108.5	60.3	28.3	11.0	4.5		
-70	3.8	5.9	19.6	54.2	116.9	228.2	403.5	547.9	547.9	403.5	228.2	116.9	54.2	19.6	5.9	3.8	
-80		4.5	11.0	28.3	60.3	108.5	173.5	220.4	220.4	173.5	108.5	60.3	28.3	11.0	4.5		
-90	3.8		18.0		51.1		125.7		181.7		125.7		51.1		18.0		3.8

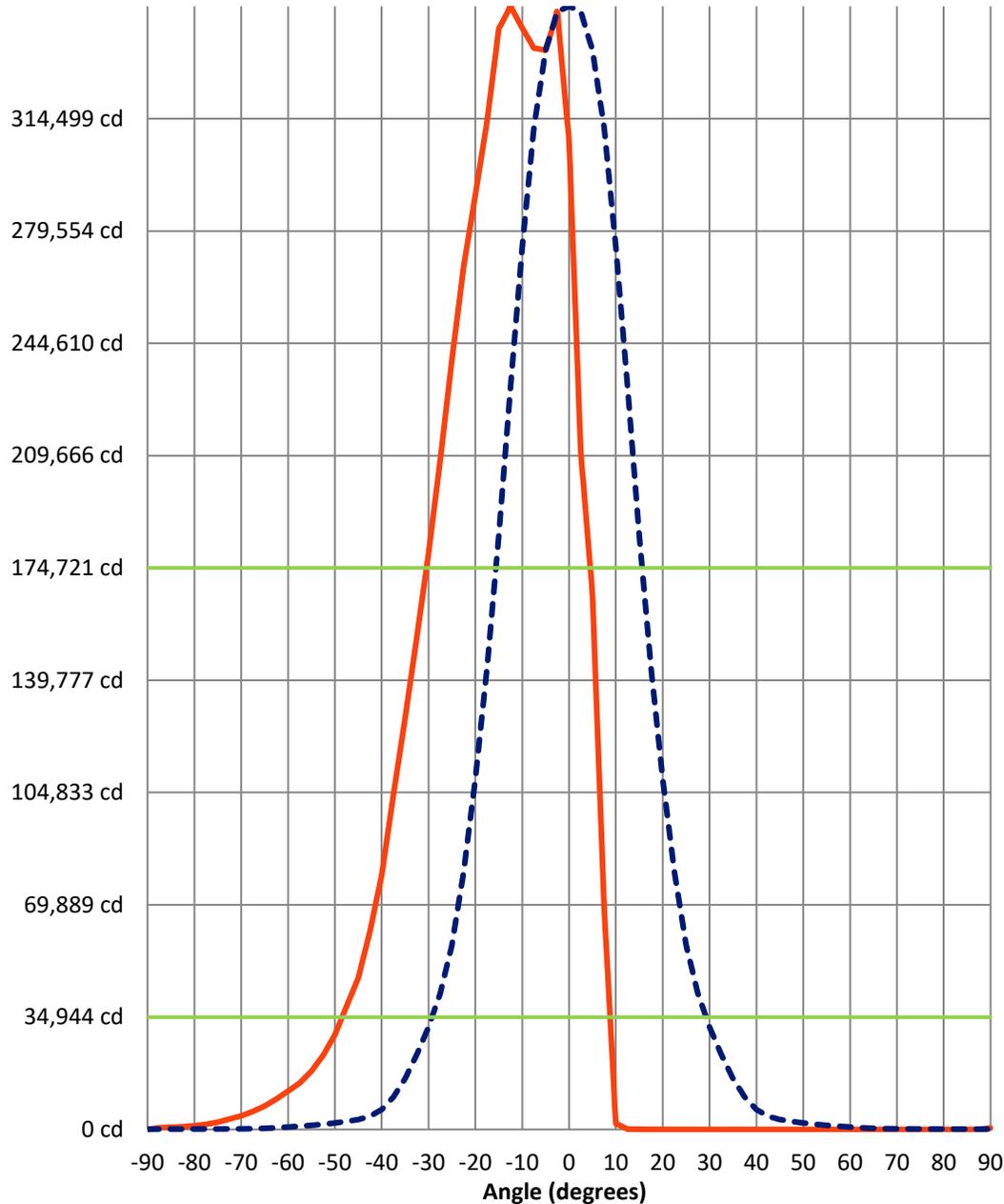
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CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 31.2°
 V Angle: 35°
 Lumens: 70801.5
 Efficiency: 53.7%

Field:
 H Angle: 58.5°
 V Angle: 57.2°
 Lumens: 117620.2
 Efficiency: 89.1%

Spill:
 Lumens: 14321.6
 Efficiency: 10.9%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through -12.5-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°	114.9	124.9	135.0	146.7	158.4	170.2	181.9	196.5	211.1	225.7	240.3
87.5°	114.9	112.6	110.1	108.4	106.8	105.1	103.4	101.0	98.6	96.2	93.8
85°	114.9	112.6	110.1	108.4	106.8	105.1	103.4	101.1	98.7	96.3	93.9
82.5°	114.9	112.7	110.1	108.5	106.8	105.1	103.5	101.1	98.8	96.4	94.0
80°	114.9	112.8	110.2	108.5	106.8	105.2	103.6	101.4	99.0	96.6	94.1
77.5°	114.9	112.9	110.2	108.5	106.9	105.3	103.9	101.7	99.4	96.9	94.3
75°	114.9	113.0	110.3	108.6	107.0	105.5	104.2	102.1	99.7	97.2	94.6
72.5°	114.9	113.1	110.4	108.7	107.1	105.8	104.5	102.5	99.9	97.4	94.9
70°	114.9	113.2	110.5	108.7	107.3	106.0	104.8	102.7	100.2	97.7	95.2
67.5°	114.9	113.3	110.6	108.8	107.5	106.2	104.9	103.0	100.5	98.1	95.6
65°	114.9	113.4	110.8	108.9	107.6	106.4	105.1	103.3	100.9	98.4	96.0
62.5°	114.9	113.5	110.9	109.0	107.8	106.5	105.2	103.6	101.3	98.9	96.5
60°	114.9	113.6	111.1	109.2	108.0	106.7	105.4	104.0	101.7	99.3	97.0
57.5°	114.9	113.7	111.3	109.3	108.1	106.9	105.7	104.4	102.1	99.8	97.5
55°	114.9	113.9	111.6	109.4	108.2	107.0	105.9	104.6	102.6	100.4	98.1
52.5°	114.9	114.0	111.8	109.5	108.4	107.2	106.2	105.0	103.1	100.9	98.7
50°	114.9	114.2	112.1	109.7	108.5	107.5	106.5	105.4	103.7	101.6	99.4
47.5°	114.9	114.3	112.4	109.8	108.7	107.8	106.9	105.8	104.3	102.2	100.1
45°	114.9	114.5	112.8	109.9	108.9	108.1	107.3	106.4	104.9	102.9	100.9
42.5°	114.9	114.6	113.2	110.1	109.1	108.5	107.9	107.0	105.5	103.6	102.1
40°	114.9	114.8	113.5	110.5	109.3	108.8	108.4	107.6	106.3	104.4	103.5
37.5°	114.9	115.0	114.0	111.1	109.6	109.2	109.0	108.3	107.2	105.7	104.9
35°	114.9	115.2	114.4	111.8	109.9	109.6	109.6	109.1	108.3	107.4	106.2
32.5°	114.9	115.3	114.8	112.6	110.2	110.1	110.3	109.9	109.5	109.1	107.6
30°	114.9	115.5	115.3	113.3	110.5	110.7	111.0	110.8	110.9	111.0	109.3
27.5°	114.9	115.7	115.8	114.2	111.8	111.2	111.7	111.9	112.4	112.9	111.2
25°	114.9	115.9	116.3	115.0	113.3	111.8	112.4	113.1	114.0	114.7	113.5
22.5°	114.9	116.1	116.8	115.9	114.9	112.9	113.2	114.3	115.7	116.6	116.2
20°	114.9	116.3	117.3	116.8	116.6	115.4	114.0	115.6	117.4	118.6	119.2
17.5°	114.9	116.4	117.9	117.7	118.3	118.0	116.5	116.9	119.1	120.7	122.3
15°	114.9	116.6	118.4	118.6	120.1	120.6	120.1	119.8	120.8	123.0	125.5
12.5°	114.9	116.8	119.0	119.6	122.0	123.3	123.7	124.6	125.2	125.3	128.8
10°	114.9	117.0	119.5	120.6	123.8	126.0	127.5	129.6	131.7	133.0	134.6
7.5°	114.9	117.2	120.0	121.5	125.7	128.8	131.3	134.5	138.3	141.6	145.9
5°	114.9	117.4	120.6	122.5	127.6	131.5	135.1	139.5	144.9	150.2	157.3
2.5°	114.9	117.5	121.1	123.5	129.4	134.2	138.9	144.4	151.5	158.9	168.7
0°	114.9	117.7	121.6	124.4	131.2	136.9	142.6	149.3	158.0	167.5	180.0
-2.5°	114.9	118.2	122.6	126.3	133.9	140.7	147.6	155.7	167.8	185.2	217.2
-5°	114.9	118.7	123.7	128.3	136.6	144.4	152.5	162.1	177.4	202.3	252.9
-7.5°	114.9	119.1	124.7	130.1	139.3	148.0	157.2	168.2	186.5	218.5	286.1
-10°	114.9	119.6	125.6	132.0	141.8	151.6	161.9	174.1	195.1	233.3	315.7
-12.5°	114.9	120.0	126.6	133.8	144.2	155.0	166.3	179.8	203.0	249.9	362.0
-15°	114.9	120.5	127.5	135.5	146.6	158.2	170.6	185.2	217.8	288.3	413.1
-17.5°	114.9	120.9	128.4	137.1	148.8	161.3	174.7	195.7	240.4	322.1	457.9
-20°	114.9	121.3	129.2	138.7	151.0	164.3	180.4	209.4	260.2	350.5	495.6



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 CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	114.9	121.7	130.1	140.1	153.0	167.0	188.8	221.7	276.8	372.8	525.5
-25°	114.9	122.1	130.8	141.5	154.9	171.3	196.2	232.4	289.9	388.5	547.0
-27.5°	114.9	122.4	131.6	142.7	156.7	175.8	202.7	241.3	299.2	399.9	565.3
-30°	114.9	122.8	132.3	143.9	158.4	179.8	208.2	248.4	308.0	410.8	574.0
-32.5°	114.9	123.1	132.9	144.9	160.8	183.4	212.7	254.7	316.0	416.0	572.6
-35°	114.9	123.4	133.5	145.8	162.9	186.3	216.7	259.7	321.2	415.3	560.8
-37.5°	114.9	123.7	134.1	146.6	164.7	188.8	220.0	263.1	323.5	408.8	557.6
-40°	114.9	124.0	134.6	147.2	166.2	190.9	222.5	264.9	322.9	405.5	551.2
-42.5°	114.9	124.3	135.1	147.9	167.4	192.4	224.2	264.9	322.0	404.9	534.9
-45°	114.9	124.5	135.5	148.7	168.5	193.4	225.0	264.4	320.0	399.5	511.8
-47.5°	114.9	124.7	135.8	149.3	169.3	193.9	224.9	264.1	315.8	389.0	498.4
-50°	114.9	124.9	136.2	150.0	169.9	193.8	224.5	262.6	309.7	380.6	478.4
-52.5°	114.9	125.1	136.4	150.7	170.2	193.3	223.5	260.0	304.4	368.2	453.2
-55°	114.9	125.2	136.6	151.2	170.3	193.0	221.7	256.3	298.6	352.1	432.1
-57.5°	114.9	125.3	136.8	151.5	170.1	192.5	219.2	252.7	290.9	339.6	406.5
-60°	114.9	125.4	136.8	151.8	169.8	191.7	216.2	248.0	282.2	326.8	380.9
-62.5°	114.9	125.5	137.0	151.9	169.6	190.6	214.4	242.5	275.4	311.9	361.6
-65°	114.9	125.6	137.0	151.8	169.3	189.1	212.2	237.3	267.8	301.2	339.9
-67.5°	114.9	125.6	137.0	151.7	168.8	187.7	209.5	233.6	259.5	291.0	324.4
-70°	114.9	125.6	137.0	151.4	168.0	186.3	206.5	229.5	254.0	280.0	311.2
-72.5°	114.9	125.6	136.9	151.1	167.1	184.7	203.9	224.9	248.1	272.5	298.2
-75°	114.9	125.6	136.8	150.8	166.0	182.9	201.1	220.9	241.6	264.5	288.4
-77.5°	114.9	125.5	136.6	150.3	165.0	180.8	197.9	217.0	236.6	256.7	278.0
-80°	114.9	125.5	136.4	149.8	164.0	178.9	194.6	212.7	231.4	250.4	269.7
-82.5°	114.9	125.4	136.1	149.1	162.7	176.9	191.6	208.5	225.9	243.7	261.9
-85°	114.9	125.2	135.8	148.4	161.4	174.8	188.5	204.7	221.1	237.7	254.3
-87.5°	114.9	125.1	135.4	147.6	160.0	172.6	185.3	200.7	216.2	231.8	247.4
-90°	114.9	112.5	110.1	108.4	106.8	105.1	103.4	101.0	98.6	96.2	93.8



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	248.4	256.6	264.7	272.8	276.9	281.0	285.0	289.1	295.3	301.6	307.8
87.5°	90.7	87.6	84.5	81.4	77.8	74.2	70.6	67.0	63.2	59.4	55.6
85°	90.8	87.7	84.6	81.5	78.0	74.4	70.8	67.2	63.3	59.5	55.7
82.5°	90.9	87.9	84.8	81.7	78.1	74.5	71.0	67.4	63.6	59.7	55.9
80°	91.1	88.1	85.0	81.9	78.4	74.8	71.2	67.6	63.8	60.0	56.2
77.5°	91.4	88.3	85.3	82.2	78.8	75.2	71.6	68.0	64.2	60.4	56.5
75°	91.7	88.7	85.6	82.6	79.2	75.6	72.0	68.4	64.7	60.9	57.0
72.5°	92.1	89.0	86.0	83.0	79.7	76.1	72.5	69.0	65.2	61.4	57.5
70°	92.5	89.5	86.5	83.5	80.3	76.7	73.1	69.6	65.9	62.0	58.2
67.5°	93.0	90.0	87.0	84.0	80.9	77.4	73.8	70.3	66.6	62.8	58.9
65°	93.5	90.5	87.6	84.6	81.6	78.2	74.6	71.1	67.5	63.5	59.3
62.5°	94.0	91.2	88.3	85.3	82.3	79.0	75.5	71.9	68.3	64.4	60.3
60°	94.6	91.9	89.0	86.1	83.1	80.0	76.5	72.9	69.3	65.5	61.5
57.5°	95.2	92.6	89.8	86.9	84.0	81.0	77.5	74.0	70.4	66.8	62.9
55°	95.8	93.4	90.6	87.8	84.9	82.0	78.7	75.2	71.6	68.0	64.1
52.5°	96.5	94.2	91.6	88.8	85.9	83.1	79.9	76.5	72.9	69.3	65.5
50°	97.2	95.1	92.5	89.8	87.1	84.4	81.3	77.9	74.4	70.8	67.1
47.5°	98.2	96.2	93.6	91.0	88.6	85.8	82.7	79.4	75.9	72.3	68.6
45°	99.4	97.2	94.7	92.6	90.1	87.2	84.2	81.0	77.6	74.1	70.5
42.5°	100.8	98.2	96.1	94.4	91.6	88.7	85.7	82.7	79.5	76.3	72.6
40°	101.7	99.1	97.7	95.7	93.1	90.3	87.4	84.5	82.0	78.5	74.7
37.5°	102.6	100.6	99.2	97.0	94.7	92.0	89.2	86.7	84.1	80.8	77.5
35°	103.5	102.2	100.5	98.4	96.3	93.9	91.3	88.9	86.5	83.8	80.4
32.5°	104.7	103.7	101.8	100.1	98.1	95.8	93.3	91.6	89.3	86.7	83.3
30°	106.7	105.0	103.3	101.8	100.1	98.0	96.0	94.5	92.3	89.8	87.5
27.5°	109.6	106.5	105.0	103.7	102.2	100.6	99.5	97.6	95.7	93.7	92.3
25°	112.8	110.5	106.8	105.8	104.8	103.8	103.1	101.5	99.7	98.4	97.4
22.5°	116.3	115.1	112.6	108.0	107.5	107.3	107.1	106.9	106.6	104.3	103.0
20°	120.2	120.4	119.4	116.7	112.1	111.0	111.5	113.3	115.7	115.9	112.6
17.5°	124.4	126.1	127.0	126.9	125.8	122.2	116.4	120.6	126.6	129.8	130.8
15°	129.0	132.3	135.3	138.2	141.7	146.4	148.7	141.5	139.3	146.3	153.0
12.5°	133.7	138.7	144.0	150.3	159.5	175.1	194.7	211.9	216.7	196.6	184.3
10°	138.6	145.4	153.1	163.0	178.5	207.5	247.1	293.3	339.6	399.5	474.3
7.5°	153.7	161.6	169.2	176.1	198.5	242.1	303.8	382.5	476.9	639.0	930.9
5°	170.8	188.6	223.5	258.8	297.5	346.8	408.2	478.4	622.7	901.0	1448.0
2.5°	188.0	216.0	279.9	354.9	448.7	561.2	709.5	896.5	1152.6	1763.3	2781.2
0°	204.9	243.2	336.0	450.9	600.2	775.4	1010.9	1315.3	1757.6	2911.2	4803.8
-2.5°	271.1	357.9	480.1	635.6	822.7	1043.4	1332.9	1704.7	2314.1	3804.2	6450.5
-5°	334.8	468.2	619.7	813.7	1037.3	1301.1	1640.3	2073.5	2841.2	4650.2	7860.7
-7.5°	394.2	570.5	752.8	982.2	1244.3	1558.9	1951.7	2453.7	3371.0	5453.6	8964.4
-10°	451.6	668.4	883.7	1139.5	1441.3	1804.9	2243.6	2796.8	3796.1	5997.0	9698.7
-12.5°	528.9	762.6	1005.9	1283.7	1618.7	2024.3	2505.8	3095.5	4092.3	6223.6	10104.2
-15°	597.3	846.5	1116.9	1412.8	1773.4	2212.6	2734.1	3343.7	4262.7	6195.9	10210.2
-17.5°	655.6	919.0	1215.1	1525.3	1902.5	2366.1	2921.1	3546.3	4421.1	6217.8	10052.7
-20°	702.4	979.2	1299.5	1619.5	2006.5	2482.4	3051.3	3717.6	4604.7	6167.2	9262.1



REPORT NUMBER: P1212204 (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°	736.7	1026.1	1365.5	1703.7	2100.6	2571.0	3137.2	3819.3	4669.0	5853.6	8674.5
-25°	764.1	1062.1	1410.7	1778.5	2175.0	2632.4	3176.4	3854.0	4679.1	6126.0	8636.4
-27.5°	786.0	1080.7	1445.1	1835.1	2229.4	2674.1	3205.0	3856.2	4830.2	6227.2	8232.1
-30°	796.3	1092.1	1460.5	1868.7	2272.0	2713.0	3214.0	3891.8	4835.5	6181.6	8045.0
-32.5°	801.1	1091.0	1460.2	1869.2	2295.1	2728.8	3245.1	3917.1	4785.0	5930.8	7613.0
-35°	799.4	1090.8	1443.9	1846.7	2294.0	2740.8	3270.1	3895.9	4656.5	5692.0	7207.4
-37.5°	787.7	1074.1	1410.2	1806.0	2246.0	2737.8	3245.8	3846.9	4556.3	5433.2	6791.2
-40°	762.2	1040.8	1370.3	1750.4	2185.2	2687.5	3201.9	3756.9	4414.4	5278.1	6323.4
-42.5°	725.5	997.1	1315.0	1675.7	2101.4	2584.5	3117.5	3651.6	4274.4	5042.6	5975.8
-45°	695.4	937.1	1241.5	1589.0	1988.1	2449.8	2962.3	3519.1	4109.3	4784.2	5589.6
-47.5°	653.3	868.2	1153.6	1476.9	1852.5	2283.6	2771.0	3309.8	3900.6	4521.2	5200.9
-50°	607.1	804.4	1044.5	1348.9	1694.6	2091.7	2542.4	3058.7	3610.5	4206.9	4839.9
-52.5°	574.3	727.1	944.3	1203.5	1521.0	1879.5	2300.8	2776.9	3287.7	3827.4	4448.0
-55°	533.9	668.1	835.4	1063.4	1333.0	1655.8	2042.8	2480.3	2941.9	3438.1	3996.3
-57.5°	496.2	606.9	742.8	920.6	1154.1	1423.5	1780.2	2165.5	2587.9	3032.7	3509.9
-60°	458.5	547.0	658.5	800.3	972.4	1219.3	1507.8	1845.5	2217.1	2609.4	3028.5
-62.5°	419.3	492.1	579.7	689.1	831.5	1015.9	1264.7	1541.6	1834.7	2168.7	2526.5
-65°	390.9	438.8	508.2	595.3	692.9	855.1	1044.2	1254.2	1508.5	1766.8	2028.0
-67.5°	359.3	401.3	448.2	505.0	591.5	709.8	838.3	1013.7	1207.0	1410.4	1625.4
-70°	339.7	364.2	401.6	445.7	501.0	585.5	695.0	812.9	941.2	1094.8	1276.0
-72.5°	321.8	343.6	366.6	390.7	437.1	500.3	571.1	649.2	748.0	865.2	989.2
-75°	306.8	322.6	342.1	363.0	391.8	428.4	471.3	532.0	603.1	681.7	763.8
-77.5°	294.0	308.4	322.9	337.5	357.3	384.9	415.9	450.2	494.3	543.6	595.2
-80°	282.4	293.9	306.9	320.0	335.6	353.0	371.7	391.7	420.9	456.3	496.2
-82.5°	273.1	283.8	294.5	305.1	316.0	327.4	339.7	354.1	376.6	401.0	426.6
-85°	264.0	273.5	283.2	293.0	301.4	310.1	319.2	328.5	343.4	359.2	375.5
-87.5°	256.3	265.1	273.9	282.6	288.7	294.8	301.0	307.4	317.1	327.1	337.3
-90°	90.7	87.6	84.5	81.4	77.8	74.2	70.6	67.0	63.2	59.4	55.5



REPORT NUMBER: P1212204 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	314.0	323.1	332.2	341.3	350.4	362.1	373.9	385.6	397.3	409.3	421.2
87.5°	51.7	47.9	44.1	40.3	36.4	32.6	28.8	24.9	21.1	17.5	13.9
85°	51.9	48.0	44.2	40.4	36.5	32.7	28.9	25.0	21.2	17.6	14.0
82.5°	52.1	48.1	44.1	40.1	36.0	32.3	28.6	24.9	21.3	17.7	14.0
80°	52.3	48.4	44.4	40.5	36.6	32.8	29.1	25.3	21.4	17.8	14.1
77.5°	52.7	48.8	45.0	41.1	37.2	33.3	29.4	25.5	21.6	17.9	14.2
75°	53.1	49.3	45.3	41.3	37.2	33.2	29.4	25.6	21.8	18.1	14.4
72.5°	53.7	49.7	45.5	41.3	37.1	33.2	29.3	25.4	21.4	17.7	14.1
70°	54.3	50.3	46.1	41.9	37.6	33.5	29.5	25.5	21.5	17.8	14.2
67.5°	54.8	50.5	46.3	42.2	38.1	34.1	30.0	26.0	21.9	18.1	14.5
65°	55.1	50.9	46.9	42.9	38.8	34.7	30.7	26.8	22.9	19.1	15.3
62.5°	56.1	52.0	48.1	44.0	39.8	35.5	31.5	27.4	23.2	19.1	15.2
60°	57.6	53.7	49.6	45.2	40.8	36.3	32.0	27.8	23.5	19.2	15.4
57.5°	58.9	54.9	50.7	46.3	41.8	37.3	32.9	28.5	24.1	19.7	15.8
55°	60.2	56.1	52.0	47.5	43.0	38.4	33.8	29.4	24.9	20.3	16.3
52.5°	61.5	57.5	53.3	48.8	44.1	39.4	34.9	30.3	25.7	21.0	16.8
50°	63.1	58.9	54.3	49.6	45.2	40.8	36.1	31.4	26.6	21.8	17.4
47.5°	64.7	60.2	55.9	51.8	47.3	42.5	37.5	32.6	27.7	22.8	18.0
45°	66.5	62.3	58.2	53.8	49.1	44.1	39.0	33.9	28.9	23.8	18.8
42.5°	68.6	64.4	60.1	55.8	51.1	45.9	40.6	35.4	30.3	24.9	19.6
40°	70.9	66.7	62.7	58.2	52.7	47.3	42.5	37.2	31.8	26.3	20.6
37.5°	73.6	69.8	65.5	60.3	55.4	50.3	45.1	39.4	33.5	28.2	22.5
35°	76.6	73.0	68.5	64.3	59.5	54.0	48.5	43.2	37.2	31.8	25.7
32.5°	80.5	77.1	73.2	69.3	64.5	59.3	53.8	49.2	43.5	37.6	31.1
30°	85.4	82.0	78.6	75.1	70.7	66.2	62.1	57.4	52.6	46.3	36.9
27.5°	90.2	87.4	84.5	80.9	78.0	74.5	70.7	65.7	57.3	48.1	37.6
25°	95.7	93.5	90.2	87.8	85.7	82.9	76.9	69.1	57.2	45.4	34.8
22.5°	102.0	99.7	97.4	95.4	94.4	89.5	80.0	67.3	54.7	43.3	34.1
20°	108.5	106.4	108.7	109.4	103.6	97.8	83.1	69.1	57.5	49.9	42.8
17.5°	127.4	118.3	127.6	135.7	128.4	110.0	100.8	84.1	74.9	66.0	54.7
15°	161.8	172.5	174.9	172.5	171.0	156.7	133.2	129.1	118.0	110.2	98.9
12.5°	213.7	257.2	324.1	423.1	256.4	234.8	344.8	345.1	289.3	227.2	211.4
10°	519.5	371.9	637.6	1403.9	2661.3	3088.5	1198.6	3550.4	5273.2	7988.1	2569.7
7.5°	1500.7	2107.6	2733.5	3803.3	7079.4	12308.2	16617.4	22561.0	34279.2	43637.6	50859.1
5°	2669.6	4312.6	6643.7	9850.7	16047.9	25377.0	37137.9	55190.7	72891.4	95491.2	117198.6
2.5°	4656.9	7477.2	11229.2	16395.0	25866.9	39712.7	58417.7	87092.0	114252.9	139721.6	160479.1
0°	7710.1	12692.9	17582.8	27020.9	40898.0	61818.0	87971.6	127194.3	164765.7	203307.3	237069.1
-2.5°	10492.0	15391.2	22665.0	33435.4	50272.9	71190.2	100757.4	141397.9	190336.0	230187.2	269820.2
-5°	12732.7	18334.6	26443.1	37273.6	53634.0	74374.9	103156.3	144330.9	193414.4	233412.9	268029.4
-7.5°	14342.2	20861.1	29307.8	40049.9	55661.1	77373.3	106385.2	145028.3	191083.2	237624.2	273194.9
-10°	15294.7	22542.7	31166.1	42166.9	57704.1	79558.8	107325.4	143839.1	191170.0	238266.5	280806.3
-12.5°	15839.2	23335.9	31862.4	42362.7	57422.0	80168.3	109083.4	143796.4	184809.3	231006.8	274496.7
-15°	16058.7	23464.3	31949.3	43255.6	58582.4	78434.1	105703.3	138376.9	175721.2	217802.0	258483.3
-17.5°	15842.2	23173.9	32617.4	44020.1	58364.1	75824.0	100874.5	130348.2	166697.1	206122.7	239880.3
-20°	15009.7	23046.4	32533.8	43698.7	57130.4	73588.5	94387.4	124063.7	159021.9	194062.3	225987.3



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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°	14227.7	21844.6	31195.6	41817.6	54112.4	69153.9	89157.2	117593.5	149471.5	178421.6	208329.0
-25°	12838.7	19543.7	28520.5	38610.5	49894.5	63712.7	84305.1	108581.9	134389.4	158832.3	184308.1
-27.5°	11756.1	17306.9	24820.9	34251.2	44670.4	58734.9	76709.6	97431.0	118931.5	140351.7	161884.9
-30°	10642.0	15095.8	21447.2	29157.8	39697.2	52327.1	67043.8	84938.6	103843.7	122632.6	141562.0
-32.5°	10096.1	13401.3	18176.4	24925.8	33992.0	45019.8	57198.0	72658.9	89231.0	105874.2	122116.8
-35°	9339.6	12138.5	15603.4	21344.2	28414.6	37525.8	48416.4	60818.9	73711.7	87947.2	102227.9
-37.5°	8541.1	10843.9	14081.2	18329.9	23965.8	30497.2	39464.8	49714.3	60199.5	71108.9	82357.2
-40°	7804.1	9623.3	12504.9	15903.2	20221.2	25428.8	32156.7	39353.2	47268.7	56089.0	64564.9
-42.5°	7094.5	8790.9	10974.4	13773.0	17057.5	21505.9	26553.6	31788.8	37714.8	44160.4	50367.1
-45°	6548.8	7974.0	9674.1	11864.5	14527.6	18068.8	22011.5	26170.7	30638.6	35250.4	39448.0
-47.5°	6115.3	7233.6	8628.9	10226.4	12408.4	15107.0	18013.5	21203.1	24818.3	28399.1	31357.4
-50°	5656.3	6597.6	7703.9	8983.1	10733.2	12703.2	14815.0	17276.3	20008.3	22783.0	24915.4
-52.5°	5178.8	5988.1	6874.8	7959.2	9309.4	10782.6	12363.4	14221.8	16192.1	18206.1	19670.0
-55°	4640.0	5344.6	6096.1	7057.3	8100.3	9197.7	10397.7	11817.4	13264.9	14720.0	15700.8
-57.5°	4056.6	4659.2	5327.8	6118.0	6983.3	7912.3	8898.6	9935.5	11005.7	12057.0	12747.4
-60°	3468.6	3927.2	4498.6	5143.3	5821.0	6525.8	7377.0	8247.1	9108.3	9891.8	10435.8
-62.5°	2908.9	3310.5	3750.6	4227.5	4729.7	5280.8	5955.3	6647.9	7348.7	7966.4	8413.8
-65°	2316.0	2654.1	3035.0	3419.1	3804.3	4233.9	4733.1	5240.3	5749.6	6171.1	6472.8
-67.5°	1859.9	2100.2	2371.8	2656.7	2975.9	3321.1	3698.2	4076.3	4451.8	4755.5	4996.0
-70°	1460.6	1650.9	1847.8	2055.6	2287.4	2551.0	2842.5	3128.8	3408.6	3616.3	3777.4
-72.5°	1119.1	1259.2	1414.9	1584.9	1753.5	1942.3	2152.6	2368.9	2588.5	2756.1	2898.5
-75°	849.0	944.5	1058.9	1178.1	1300.9	1437.0	1579.1	1721.4	1862.7	1969.3	2063.4
-77.5°	657.6	730.3	805.5	881.4	957.5	1042.4	1130.8	1219.7	1308.4	1372.2	1429.6
-80°	537.6	584.6	633.7	683.8	734.8	790.2	846.6	903.3	959.7	1001.5	1040.8
-82.5°	453.1	484.5	517.1	550.3	584.1	621.1	658.5	696.0	733.4	761.0	787.5
-85°	392.4	413.6	435.3	457.4	479.8	505.2	530.8	556.6	582.3	602.7	622.6
-87.5°	347.6	361.5	375.6	389.8	404.0	421.0	438.0	455.0	472.1	487.4	502.7
-90°	51.7	47.9	44.1	40.2	36.4	32.6	28.8	24.9	21.1	17.7	14.4



REPORT NUMBER: P1212204 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-ECV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	433.2	445.1	448.5	451.8	448.5	445.1	433.2	421.2	409.3	397.3	385.6
87.5°	10.3	6.7	4.3	1.9	4.3	6.7	10.3	13.9	17.5	21.1	24.9
85°	10.3	6.7	4.3	1.9	4.3	6.7	10.3	14.0	17.6	21.2	25.0
82.5°	10.4	6.8	3.9	1.0	3.9	6.8	10.4	14.0	17.7	21.3	24.9
80°	10.5	6.8	4.3	1.9	4.3	6.8	10.5	14.1	17.8	21.4	25.3
77.5°	10.6	6.9	3.9	1.0	3.9	6.9	10.6	14.2	17.9	21.6	25.5
75°	10.7	7.0	4.0	1.0	4.0	7.0	10.7	14.4	18.1	21.8	25.6
72.5°	10.5	7.0	4.4	1.9	4.4	7.0	10.5	14.1	17.7	21.4	25.4
70°	10.7	7.1	4.0	1.0	4.0	7.1	10.7	14.2	17.8	21.5	25.5
67.5°	10.9	7.2	4.1	1.0	4.1	7.2	10.9	14.5	18.1	21.9	26.0
65°	11.4	7.4	4.1	1.0	4.1	7.4	11.4	15.3	19.1	22.9	26.8
62.5°	11.3	7.6	3.8	0.0	3.8	7.6	11.3	15.2	19.1	23.2	27.4
60°	11.6	7.7	3.9	0.0	3.9	7.7	11.6	15.4	19.2	23.5	27.8
57.5°	11.9	7.9	4.0	0.0	4.0	7.9	11.9	15.8	19.7	24.1	28.5
55°	12.2	8.2	4.1	0.0	4.1	8.2	12.2	16.3	20.3	24.9	29.4
52.5°	12.6	8.4	4.2	0.0	4.2	8.4	12.6	16.8	21.0	25.7	30.3
50°	13.1	8.7	4.4	0.0	4.4	8.7	13.1	17.4	21.8	26.6	31.4
47.5°	13.6	9.1	4.5	0.0	4.5	9.1	13.6	18.0	22.8	27.7	32.6
45°	14.1	9.5	4.7	0.0	4.7	9.5	14.1	18.8	23.8	28.9	33.9
42.5°	14.8	9.9	5.2	1.0	5.2	9.9	14.8	19.6	24.9	30.3	35.4
40°	15.5	10.4	5.2	0.0	5.2	10.4	15.5	20.6	26.3	31.8	37.2
37.5°	16.9	11.2	5.5	0.0	5.5	11.2	16.9	22.5	28.2	33.5	39.4
35°	19.2	12.6	6.0	1.0	6.0	12.6	19.2	25.7	31.8	37.2	43.2
32.5°	23.5	16.0	7.9	0.0	7.9	16.0	23.5	31.1	37.6	43.5	49.2
30°	28.2	18.8	8.6	0.0	8.6	18.8	28.2	36.9	46.3	52.6	57.4
27.5°	27.6	17.2	7.5	0.0	7.5	17.2	27.6	37.6	48.1	57.3	65.7
25°	25.5	17.2	9.7	4.8	9.7	17.2	25.5	34.8	45.4	57.2	69.1
22.5°	27.7	20.3	13.8	11.5	13.8	20.3	27.7	34.1	43.3	54.7	67.3
20°	34.7	26.7	20.9	17.2	20.9	26.7	34.7	42.8	49.9	57.5	69.1
17.5°	50.6	41.9	33.3	29.7	33.3	41.9	50.6	54.7	66.0	74.9	84.1
15°	90.9	80.9	70.9	66.1	70.9	80.9	90.9	98.9	110.2	118.0	129.1
12.5°	164.3	145.2	128.4	117.3	128.4	145.2	164.3	211.4	227.2	289.3	345.1
10°	6219.0	5527.7	4922.5	1854.3	4922.5	5527.7	6219.0	2569.7	7988.1	5273.2	3550.4
7.5°	56315.2	63474.8	69995.5	69240.5	69995.5	63474.8	56315.2	50859.1	43637.6	34279.2	22561.0
5°	135591.8	156893.9	159280.3	166177.7	159280.3	156893.9	135591.8	117198.6	95491.2	72891.4	55190.7
2.5°	183509.4	202163.4	208896.0	211194.6	208896.0	202163.4	183509.4	160479.1	139721.6	114252.9	87092.0
0°	267380.7	293420.9	304099.1	307277.9	304099.1	293420.9	267380.7	237069.1	203307.3	164765.7	127194.3
-2.5°	303040.8	330729.5	343476.2	347636.0	343476.2	330729.5	303040.8	269820.2	230187.2	190336.0	141397.9
-5°	298468.4	321178.2	331980.1	335807.5	331980.1	321178.2	298468.4	268029.4	233412.9	193414.4	144330.9
-7.5°	304349.2	324415.6	333483.3	336464.2	333483.3	324415.6	304349.2	273194.9	237624.2	191083.2	145028.3
-10°	311705.1	333133.1	342598.7	342706.8	342598.7	333133.1	311705.1	280806.3	238266.5	191170.0	143839.1
-12.5°	311708.9	335752.2	347791.8	349442.9	347791.8	335752.2	311708.9	274496.7	231006.8	184809.3	143796.4
-15°	295142.0	321891.1	337680.0	342378.5	337680.0	321891.1	295142.0	258483.3	217802.0	175721.2	138376.9
-17.5°	272963.9	298098.8	310649.1	313792.4	310649.1	298098.8	272963.9	239880.3	206122.7	166697.1	130348.2
-20°	253261.8	276193.4	287127.1	290792.2	287127.1	276193.4	253261.8	225987.3	194062.3	159021.9	124063.7



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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°	233832.9	254357.1	266026.6	268448.6	266026.6	254357.1	233832.9	208329.0	178421.6	149471.5	117593.5
-25°	208834.2	226312.8	237122.9	239533.2	237122.9	226312.8	208834.2	184308.1	158832.3	134389.4	108581.9
-27.5°	182422.8	196331.3	207010.0	208275.3	207010.0	196331.3	182422.8	161884.9	140351.7	118931.5	97431.0
-30°	159183.5	170433.6	180222.6	179225.8	180222.6	170433.6	159183.5	141562.0	122632.6	103843.7	84938.6
-32.5°	136451.4	145927.4	153550.0	153133.5	153550.0	145927.4	136451.4	122116.8	105874.2	89231.0	72658.9
-35°	113680.1	121657.7	127547.9	127988.9	127547.9	121657.7	113680.1	102227.9	87947.2	73711.7	60818.9
-37.5°	91293.8	98493.4	103655.5	104060.1	103655.5	98493.4	91293.8	82357.2	71108.9	60199.5	49714.3
-40°	70546.3	75745.0	79198.6	79175.9	79198.6	75745.0	70546.3	64564.9	56089.0	47268.7	39353.2
-42.5°	54449.6	58034.0	60595.5	61698.4	60595.5	58034.0	54449.6	50367.1	44160.4	37714.8	31788.8
-45°	42446.0	45153.3	46855.2	47183.7	46855.2	45153.3	42446.0	39448.0	35250.4	30638.6	26170.7
-47.5°	33553.2	35544.4	37158.2	38347.8	37158.2	35544.4	33553.2	31357.4	28399.1	24818.3	21203.1
-50°	26559.8	28031.4	28993.0	29458.2	28993.0	28031.4	26559.8	24915.4	22783.0	20008.3	17276.3
-52.5°	20903.8	22020.7	22725.8	23083.5	22725.8	22020.7	20903.8	19670.0	18206.1	16192.1	14221.8
-55°	16605.4	17440.2	17924.3	18153.4	17924.3	17440.2	16605.4	15700.8	14720.0	13264.9	11817.4
-57.5°	13390.1	13977.7	14301.8	14461.1	14301.8	13977.7	13390.1	12747.4	12057.0	11005.7	9935.5
-60°	10942.0	11404.9	11714.0	11932.8	11714.0	11404.9	10942.0	10435.8	9891.8	9108.3	8247.1
-62.5°	8833.5	9218.5	9395.8	9472.5	9395.8	9218.5	8833.5	8413.8	7966.4	7348.7	6647.9
-65°	6746.7	6991.5	7163.0	7293.7	7163.0	6991.5	6746.7	6472.8	6171.1	5749.6	5240.3
-67.5°	5220.8	5427.0	5537.7	5609.8	5537.7	5427.0	5220.8	4996.0	4755.5	4451.8	4076.3
-70°	3925.0	4058.6	4156.2	4237.0	4156.2	4058.6	3925.0	3777.4	3616.3	3408.6	3128.8
-72.5°	3032.7	3157.3	3212.0	3248.1	3212.0	3157.3	3032.7	2898.5	2756.1	2588.5	2368.9
-75°	2151.8	2233.7	2260.1	2274.6	2260.1	2233.7	2151.8	2063.4	1969.3	1862.7	1721.4
-77.5°	1484.0	1534.9	1564.9	1590.1	1564.9	1534.9	1484.0	1429.6	1372.2	1308.4	1219.7
-80°	1078.6	1114.8	1129.3	1141.1	1129.3	1114.8	1078.6	1040.8	1001.5	959.7	903.3
-82.5°	813.2	838.1	853.2	867.3	853.2	838.1	813.2	787.5	761.0	733.4	696.0
-85°	642.2	661.4	665.1	668.2	665.1	661.4	642.2	622.6	602.7	582.3	556.6
-87.5°	517.8	532.8	537.4	541.8	537.4	532.8	517.8	502.7	487.4	472.1	455.0
-90°	11.0	7.7	4.8	1.9	4.8	7.7	11.0	14.4	17.7	21.1	24.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	373.9	362.1	350.4	341.3	332.2	323.1	314.0	307.8	301.6	295.3	289.1
87.5°	28.8	32.6	36.4	40.3	44.1	47.9	51.7	55.6	59.4	63.2	67.0
85°	28.9	32.7	36.5	40.4	44.2	48.0	51.9	55.7	59.5	63.3	67.2
82.5°	28.6	32.3	36.0	40.1	44.1	48.1	52.1	55.9	59.7	63.6	67.4
80°	29.1	32.8	36.6	40.5	44.4	48.4	52.3	56.2	60.0	63.8	67.6
77.5°	29.4	33.3	37.2	41.1	45.0	48.8	52.7	56.5	60.4	64.2	68.0
75°	29.4	33.2	37.2	41.3	45.3	49.3	53.1	57.0	60.9	64.7	68.4
72.5°	29.3	33.2	37.1	41.3	45.5	49.7	53.7	57.5	61.4	65.2	69.0
70°	29.5	33.5	37.6	41.9	46.1	50.3	54.3	58.2	62.0	65.9	69.6
67.5°	30.0	34.1	38.1	42.2	46.3	50.5	54.8	58.9	62.8	66.6	70.3
65°	30.7	34.7	38.8	42.9	46.9	50.9	55.1	59.3	63.5	67.5	71.1
62.5°	31.5	35.5	39.8	44.0	48.1	52.0	56.1	60.3	64.4	68.3	71.9
60°	32.0	36.3	40.8	45.2	49.6	53.7	57.6	61.5	65.5	69.3	72.9
57.5°	32.9	37.3	41.8	46.3	50.7	54.9	58.9	62.9	66.8	70.4	74.0
55°	33.8	38.4	43.0	47.5	52.0	56.1	60.2	64.1	68.0	71.6	75.2
52.5°	34.9	39.4	44.1	48.8	53.3	57.5	61.5	65.5	69.3	72.9	76.5
50°	36.1	40.8	45.2	49.6	54.3	58.9	63.1	67.1	70.8	74.4	77.9
47.5°	37.5	42.5	47.3	51.8	55.9	60.2	64.7	68.6	72.3	75.9	79.4
45°	39.0	44.1	49.1	53.8	58.2	62.3	66.5	70.5	74.1	77.6	81.0
42.5°	40.6	45.9	51.1	55.8	60.1	64.4	68.6	72.6	76.3	79.5	82.7
40°	42.5	47.3	52.7	58.2	62.7	66.7	70.9	74.7	78.5	82.0	84.5
37.5°	45.1	50.3	55.4	60.3	65.5	69.8	73.6	77.5	80.8	84.1	86.7
35°	48.5	54.0	59.5	64.3	68.5	73.0	76.6	80.4	83.8	86.5	88.9
32.5°	53.8	59.3	64.5	69.3	73.2	77.1	80.5	83.3	86.7	89.3	91.6
30°	62.1	66.2	70.7	75.1	78.6	82.0	85.4	87.5	89.8	92.3	94.5
27.5°	70.7	74.5	78.0	80.9	84.5	87.4	90.2	92.3	93.7	95.7	97.6
25°	76.9	82.9	85.7	87.8	90.2	93.5	95.7	97.4	98.4	99.7	101.5
22.5°	80.0	89.5	94.4	95.4	97.4	99.7	102.0	103.0	104.3	106.6	106.9
20°	83.1	97.8	103.6	109.4	108.7	106.4	108.5	112.6	115.9	115.7	113.3
17.5°	100.8	110.0	128.4	135.7	127.6	118.3	127.4	130.8	129.8	126.6	120.6
15°	133.2	156.7	171.0	172.5	174.9	172.5	161.8	153.0	146.3	139.3	141.5
12.5°	344.8	234.8	256.4	423.1	324.1	257.2	213.7	184.3	196.6	216.7	211.9
10°	1198.6	3088.5	2661.3	1403.9	637.6	371.9	519.5	474.3	399.5	339.6	293.3
7.5°	16617.4	12308.2	7079.4	3803.3	2733.5	2107.6	1500.7	930.9	639.0	476.9	382.5
5°	37137.9	25377.0	16047.9	9850.7	6643.7	4312.6	2669.6	1448.0	901.0	622.7	478.4
2.5°	58417.7	39712.7	25866.9	16395.0	11229.2	7477.2	4656.9	2781.2	1763.3	1152.6	896.5
0°	87971.6	61818.0	40898.0	27020.9	17582.8	12692.9	7710.1	4803.8	2911.2	1757.6	1315.3
-2.5°	100757.4	71190.2	50272.9	33435.4	22665.0	15391.2	10492.0	6450.5	3804.2	2314.1	1704.7
-5°	103156.3	74374.9	53634.0	37273.6	26443.1	18334.6	12732.7	7860.7	4650.2	2841.2	2073.5
-7.5°	106385.2	77373.3	55661.1	40049.9	29307.8	20861.1	14342.2	8964.4	5453.6	3371.0	2453.7
-10°	107325.4	79558.8	57704.1	42166.9	31166.1	22542.7	15294.7	9698.7	5997.0	3796.1	2796.8
-12.5°	109083.4	80168.3	57422.0	42362.7	31862.4	23335.9	15839.2	10104.2	6223.6	4092.3	3095.5
-15°	105703.3	78434.1	58582.4	43255.6	31949.3	23464.3	16058.7	10210.2	6195.9	4262.7	3343.7
-17.5°	100874.5	75824.0	58364.1	44020.1	32617.4	23173.9	15842.2	10052.7	6217.8	4421.1	3546.3
-20°	94387.4	73588.5	57130.4	43698.7	32533.8	23046.4	15009.7	9262.1	6167.2	4604.7	3717.6



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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°	89157.2	69153.9	54112.4	41817.6	31195.6	21844.6	14227.7	8674.5	5853.6	4669.0	3819.3
-25°	84305.1	63712.7	49894.5	38610.5	28520.5	19543.7	12838.7	8636.4	6126.0	4679.1	3854.0
-27.5°	76709.6	58734.9	44670.4	34251.2	24820.9	17306.9	11756.1	8232.1	6227.2	4830.2	3856.2
-30°	67043.8	52327.1	39697.2	29157.8	21447.2	15095.8	10642.0	8045.0	6181.6	4835.5	3891.8
-32.5°	57198.0	45019.8	33992.0	24925.8	18176.4	13401.3	10096.1	7613.0	5930.8	4785.0	3917.1
-35°	48416.4	37525.8	28414.6	21344.2	15603.4	12138.5	9339.6	7207.4	5692.0	4656.5	3895.9
-37.5°	39464.8	30497.2	23965.8	18329.9	14081.2	10843.9	8541.1	6791.2	5433.2	4556.3	3846.9
-40°	32156.7	25428.8	20221.2	15903.2	12504.9	9623.3	7804.1	6323.4	5278.1	4414.4	3756.9
-42.5°	26553.6	21505.9	17057.5	13773.0	10974.4	8790.9	7094.5	5975.8	5042.6	4274.4	3651.6
-45°	22011.5	18068.8	14527.6	11864.5	9674.1	7974.0	6548.8	5589.6	4784.2	4109.3	3519.1
-47.5°	18013.5	15107.0	12408.4	10226.4	8628.9	7233.6	6115.3	5200.9	4521.2	3900.6	3309.8
-50°	14815.0	12703.2	10733.2	8983.1	7703.9	6597.6	5656.3	4839.9	4206.9	3610.5	3058.7
-52.5°	12363.4	10782.6	9309.4	7959.2	6874.8	5988.1	5178.8	4448.0	3827.4	3287.7	2776.9
-55°	10397.7	9197.7	8100.3	7057.3	6096.1	5344.6	4640.0	3996.3	3438.1	2941.9	2480.3
-57.5°	8898.6	7912.3	6983.3	6118.0	5327.8	4659.2	4056.6	3509.9	3032.7	2587.9	2165.5
-60°	7377.0	6525.8	5821.0	5143.3	4498.6	3927.2	3468.6	3028.5	2609.4	2217.1	1845.5
-62.5°	5955.3	5280.8	4729.7	4227.5	3750.6	3310.5	2908.9	2526.5	2168.7	1834.7	1541.6
-65°	4733.1	4233.9	3804.3	3419.1	3035.0	2654.1	2316.0	2028.0	1766.8	1508.5	1254.2
-67.5°	3698.2	3321.1	2975.9	2656.7	2371.8	2100.2	1859.9	1625.4	1410.4	1207.0	1013.7
-70°	2842.5	2551.0	2287.4	2055.6	1847.8	1650.9	1460.6	1276.0	1094.8	941.2	812.9
-72.5°	2152.6	1942.3	1753.5	1584.9	1414.9	1259.2	1119.1	989.2	865.2	748.0	649.2
-75°	1579.1	1437.0	1300.9	1178.1	1058.9	944.5	849.0	763.8	681.7	603.1	532.0
-77.5°	1130.8	1042.4	957.5	881.4	805.5	730.3	657.6	595.2	543.6	494.3	450.2
-80°	846.6	790.2	734.8	683.8	633.7	584.6	537.6	496.2	456.3	420.9	391.7
-82.5°	658.5	621.1	584.1	550.3	517.1	484.5	453.1	426.6	401.0	376.6	354.1
-85°	530.8	505.2	479.8	457.4	435.3	413.6	392.4	375.5	359.2	343.4	328.5
-87.5°	438.0	421.0	404.0	389.8	375.6	361.5	347.6	337.3	327.1	317.1	307.4
-90°	28.8	32.6	36.4	40.2	44.1	47.9	51.7	55.5	59.4	63.2	67.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	285.0	281.0	276.9	272.8	264.7	256.6	248.4	240.3	225.7	211.1	196.5
87.5°	70.6	74.2	77.8	81.4	84.5	87.6	90.7	93.8	96.2	98.6	101.0
85°	70.8	74.4	78.0	81.5	84.6	87.7	90.8	93.9	96.3	98.7	101.1
82.5°	71.0	74.5	78.1	81.7	84.8	87.9	90.9	94.0	96.4	98.8	101.1
80°	71.2	74.8	78.4	81.9	85.0	88.1	91.1	94.1	96.6	99.0	101.4
77.5°	71.6	75.2	78.8	82.2	85.3	88.3	91.4	94.3	96.9	99.4	101.7
75°	72.0	75.6	79.2	82.6	85.6	88.7	91.7	94.6	97.2	99.7	102.1
72.5°	72.5	76.1	79.7	83.0	86.0	89.0	92.1	94.9	97.4	99.9	102.5
70°	73.1	76.7	80.3	83.5	86.5	89.5	92.5	95.2	97.7	100.2	102.7
67.5°	73.8	77.4	80.9	84.0	87.0	90.0	93.0	95.6	98.1	100.5	103.0
65°	74.6	78.2	81.6	84.6	87.6	90.5	93.5	96.0	98.4	100.9	103.3
62.5°	75.5	79.0	82.3	85.3	88.3	91.2	94.0	96.5	98.9	101.3	103.6
60°	76.5	80.0	83.1	86.1	89.0	91.9	94.6	97.0	99.3	101.7	104.0
57.5°	77.5	81.0	84.0	86.9	89.8	92.6	95.2	97.5	99.8	102.1	104.4
55°	78.7	82.0	84.9	87.8	90.6	93.4	95.8	98.1	100.4	102.6	104.6
52.5°	79.9	83.1	85.9	88.8	91.6	94.2	96.5	98.7	100.9	103.1	105.0
50°	81.3	84.4	87.1	89.8	92.5	95.1	97.2	99.4	101.6	103.7	105.4
47.5°	82.7	85.8	88.6	91.0	93.6	96.2	98.2	100.1	102.2	104.3	105.8
45°	84.2	87.2	90.1	92.6	94.7	97.2	99.4	100.9	102.9	104.9	106.4
42.5°	85.7	88.7	91.6	94.4	96.1	98.2	100.8	102.1	103.6	105.5	107.0
40°	87.4	90.3	93.1	95.7	97.7	99.1	101.7	103.5	104.4	106.3	107.6
37.5°	89.2	92.0	94.7	97.0	99.2	100.6	102.6	104.9	105.7	107.2	108.3
35°	91.3	93.9	96.3	98.4	100.5	102.2	103.5	106.2	107.4	108.3	109.1
32.5°	93.3	95.8	98.1	100.1	101.8	103.7	104.7	107.6	109.1	109.5	109.9
30°	96.0	98.0	100.1	101.8	103.3	105.0	106.7	109.3	111.0	110.9	110.8
27.5°	99.5	100.6	102.2	103.7	105.0	106.5	109.6	111.2	112.9	112.4	111.9
25°	103.1	103.8	104.8	105.8	106.8	110.5	112.8	113.5	114.7	114.0	113.1
22.5°	107.1	107.3	107.5	108.0	112.6	115.1	116.3	116.2	116.6	115.7	114.3
20°	111.5	111.0	112.1	116.7	119.4	120.4	120.2	119.2	118.6	117.4	115.6
17.5°	116.4	122.2	125.8	126.9	127.0	126.1	124.4	122.3	120.7	119.1	116.9
15°	148.7	146.4	141.7	138.2	135.3	132.3	129.0	125.5	123.0	120.8	119.8
12.5°	194.7	175.1	159.5	150.3	144.0	138.7	133.7	128.8	125.3	125.2	124.6
10°	247.1	207.5	178.5	163.0	153.1	145.4	138.6	134.6	133.0	131.7	129.6
7.5°	303.8	242.1	198.5	176.1	169.2	161.6	153.7	145.9	141.6	138.3	134.5
5°	408.2	346.8	297.5	258.8	223.5	188.6	170.8	157.3	150.2	144.9	139.5
2.5°	709.5	561.2	448.7	354.9	279.9	216.0	188.0	168.7	158.9	151.5	144.4
0°	1010.9	775.4	600.2	450.9	336.0	243.2	204.9	180.0	167.5	158.0	149.3
-2.5°	1332.9	1043.4	822.7	635.6	480.1	357.9	271.1	217.2	185.2	167.8	155.7
-5°	1640.3	1301.1	1037.3	813.7	619.7	468.2	334.8	252.9	202.3	177.4	162.1
-7.5°	1951.7	1558.9	1244.3	982.2	752.8	570.5	394.2	286.1	218.5	186.5	168.2
-10°	2243.6	1804.9	1441.3	1139.5	883.7	668.4	451.6	315.7	233.3	195.1	174.1
-12.5°	2505.8	2024.3	1618.7	1283.7	1005.9	762.6	528.9	362.0	249.9	203.0	179.8
-15°	2734.1	2212.6	1773.4	1412.8	1116.9	846.5	597.3	413.1	288.3	217.8	185.2
-17.5°	2921.1	2366.1	1902.5	1525.3	1215.1	919.0	655.6	457.9	322.1	240.4	195.7
-20°	3051.3	2482.4	2006.5	1619.5	1299.5	979.2	702.4	495.6	350.5	260.2	209.4



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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°	3137.2	2571.0	2100.6	1703.7	1365.5	1026.1	736.7	525.5	372.8	276.8	221.7
-25°	3176.4	2632.4	2175.0	1778.5	1410.7	1062.1	764.1	547.0	388.5	289.9	232.4
-27.5°	3205.0	2674.1	2229.4	1835.1	1445.1	1080.7	786.0	565.3	399.9	299.2	241.3
-30°	3214.0	2713.0	2272.0	1868.7	1460.5	1092.1	796.3	574.0	410.8	308.0	248.4
-32.5°	3245.1	2728.8	2295.1	1869.2	1460.2	1091.0	801.1	572.6	416.0	316.0	254.7
-35°	3270.1	2740.8	2294.0	1846.7	1443.9	1090.8	799.4	560.8	415.3	321.2	259.7
-37.5°	3245.8	2737.8	2246.0	1806.0	1410.2	1074.1	787.7	557.6	408.8	323.5	263.1
-40°	3201.9	2687.5	2185.2	1750.4	1370.3	1040.8	762.2	551.2	405.5	322.9	264.9
-42.5°	3117.5	2584.5	2101.4	1675.7	1315.0	997.1	725.5	534.9	404.9	322.0	264.9
-45°	2962.3	2449.8	1988.1	1589.0	1241.5	937.1	695.4	511.8	399.5	320.0	264.4
-47.5°	2771.0	2283.6	1852.5	1476.9	1153.6	868.2	653.3	498.4	389.0	315.8	264.1
-50°	2542.4	2091.7	1694.6	1348.9	1044.5	804.4	607.1	478.4	380.6	309.7	262.6
-52.5°	2300.8	1879.5	1521.0	1203.5	944.3	727.1	574.3	453.2	368.2	304.4	260.0
-55°	2042.8	1655.8	1333.0	1063.4	835.4	668.1	533.9	432.1	352.1	298.6	256.3
-57.5°	1780.2	1423.5	1154.1	920.6	742.8	606.9	496.2	406.5	339.6	290.9	252.7
-60°	1507.8	1219.3	972.4	800.3	658.5	547.0	458.5	380.9	326.8	282.2	248.0
-62.5°	1264.7	1015.9	831.5	689.1	579.7	492.1	419.3	361.6	311.9	275.4	242.5
-65°	1044.2	855.1	692.9	595.3	508.2	438.8	390.9	339.9	301.2	267.8	237.3
-67.5°	838.3	709.8	591.5	505.0	448.2	401.3	359.3	324.4	291.0	259.5	233.6
-70°	695.0	585.5	501.0	445.7	401.6	364.2	339.7	311.2	280.0	254.0	229.5
-72.5°	571.1	500.3	437.1	390.7	366.6	343.6	321.8	298.2	272.5	248.1	224.9
-75°	471.3	428.4	391.8	363.0	342.1	322.6	306.8	288.4	264.5	241.6	220.9
-77.5°	415.9	384.9	357.3	337.5	322.9	308.4	294.0	278.0	256.7	236.6	217.0
-80°	371.7	353.0	335.6	320.0	306.9	293.9	282.4	269.7	250.4	231.4	212.7
-82.5°	339.7	327.4	316.0	305.1	294.5	283.8	273.1	261.9	243.7	225.9	208.5
-85°	319.2	310.1	301.4	293.0	283.2	273.5	264.0	254.3	237.7	221.1	204.7
-87.5°	301.0	294.8	288.7	282.6	273.9	265.1	256.3	247.4	231.8	216.2	200.7
-90°	70.6	74.2	77.8	81.4	84.5	87.6	90.7	93.8	96.2	98.6	101.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	181.9	170.2	158.4	146.7	135.0	124.9	114.9
87.5°	103.4	105.1	106.8	108.4	110.1	112.6	114.9
85°	103.4	105.1	106.8	108.4	110.1	112.6	114.9
82.5°	103.5	105.1	106.8	108.5	110.1	112.7	114.9
80°	103.6	105.2	106.8	108.5	110.2	112.8	114.9
77.5°	103.9	105.3	106.9	108.5	110.2	112.9	114.9
75°	104.2	105.5	107.0	108.6	110.3	113.0	114.9
72.5°	104.5	105.8	107.1	108.7	110.4	113.1	114.9
70°	104.8	106.0	107.3	108.7	110.5	113.2	114.9
67.5°	104.9	106.2	107.5	108.8	110.6	113.3	114.9
65°	105.1	106.4	107.6	108.9	110.8	113.4	114.9
62.5°	105.2	106.5	107.8	109.0	110.9	113.5	114.9
60°	105.4	106.7	108.0	109.2	111.1	113.6	114.9
57.5°	105.7	106.9	108.1	109.3	111.3	113.7	114.9
55°	105.9	107.0	108.2	109.4	111.6	113.9	114.9
52.5°	106.2	107.2	108.4	109.5	111.8	114.0	114.9
50°	106.5	107.5	108.5	109.7	112.1	114.2	114.9
47.5°	106.9	107.8	108.7	109.8	112.4	114.3	114.9
45°	107.3	108.1	108.9	109.9	112.8	114.5	114.9
42.5°	107.9	108.5	109.1	110.1	113.2	114.6	114.9
40°	108.4	108.8	109.3	110.5	113.5	114.8	114.9
37.5°	109.0	109.2	109.6	111.1	114.0	115.0	114.9
35°	109.6	109.6	109.9	111.8	114.4	115.2	114.9
32.5°	110.3	110.1	110.2	112.6	114.8	115.3	114.9
30°	111.0	110.7	110.5	113.3	115.3	115.5	114.9
27.5°	111.7	111.2	111.8	114.2	115.8	115.7	114.9
25°	112.4	111.8	113.3	115.0	116.3	115.9	114.9
22.5°	113.2	112.9	114.9	115.9	116.8	116.1	114.9
20°	114.0	115.4	116.6	116.8	117.3	116.3	114.9
17.5°	116.5	118.0	118.3	117.7	117.9	116.4	114.9
15°	120.1	120.6	120.1	118.6	118.4	116.6	114.9
12.5°	123.7	123.3	122.0	119.6	119.0	116.8	114.9
10°	127.5	126.0	123.8	120.6	119.5	117.0	114.9
7.5°	131.3	128.8	125.7	121.5	120.0	117.2	114.9
5°	135.1	131.5	127.6	122.5	120.6	117.4	114.9
2.5°	138.9	134.2	129.4	123.5	121.1	117.5	114.9
0°	142.6	136.9	131.2	124.4	121.6	117.7	114.9
-2.5°	147.6	140.7	133.9	126.3	122.6	118.2	114.9
-5°	152.5	144.4	136.6	128.3	123.7	118.7	114.9
-7.5°	157.2	148.0	139.3	130.1	124.7	119.1	114.9
-10°	161.9	151.6	141.8	132.0	125.6	119.6	114.9
-12.5°	166.3	155.0	144.2	133.8	126.6	120.0	114.9
-15°	170.6	158.2	146.6	135.5	127.5	120.5	114.9
-17.5°	174.7	161.3	148.8	137.1	128.4	120.9	114.9
-20°	180.4	164.3	151.0	138.7	129.2	121.3	114.9



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	188.8	167.0	153.0	140.1	130.1	121.7	114.9
-25°	196.2	171.3	154.9	141.5	130.8	122.1	114.9
-27.5°	202.7	175.8	156.7	142.7	131.6	122.4	114.9
-30°	208.2	179.8	158.4	143.9	132.3	122.8	114.9
-32.5°	212.7	183.4	160.8	144.9	132.9	123.1	114.9
-35°	216.7	186.3	162.9	145.8	133.5	123.4	114.9
-37.5°	220.0	188.8	164.7	146.6	134.1	123.7	114.9
-40°	222.5	190.9	166.2	147.2	134.6	124.0	114.9
-42.5°	224.2	192.4	167.4	147.9	135.1	124.3	114.9
-45°	225.0	193.4	168.5	148.7	135.5	124.5	114.9
-47.5°	224.9	193.9	169.3	149.3	135.8	124.7	114.9
-50°	224.5	193.8	169.9	150.0	136.2	124.9	114.9
-52.5°	223.5	193.3	170.2	150.7	136.4	125.1	114.9
-55°	221.7	193.0	170.3	151.2	136.6	125.2	114.9
-57.5°	219.2	192.5	170.1	151.5	136.8	125.3	114.9
-60°	216.2	191.7	169.8	151.8	136.8	125.4	114.9
-62.5°	214.4	190.6	169.6	151.9	137.0	125.5	114.9
-65°	212.2	189.1	169.3	151.8	137.0	125.6	114.9
-67.5°	209.5	187.7	168.8	151.7	137.0	125.6	114.9
-70°	206.5	186.3	168.0	151.4	137.0	125.6	114.9
-72.5°	203.9	184.7	167.1	151.1	136.9	125.6	114.9
-75°	201.1	182.9	166.0	150.8	136.8	125.6	114.9
-77.5°	197.9	180.8	165.0	150.3	136.6	125.5	114.9
-80°	194.6	178.9	164.0	149.8	136.4	125.5	114.9
-82.5°	191.6	176.9	162.7	149.1	136.1	125.4	114.9
-85°	188.5	174.8	161.4	148.4	135.8	125.2	114.9
-87.5°	185.3	172.6	160.0	147.6	135.4	125.1	114.9
-90°	103.4	105.1	106.8	108.4	110.1	112.5	114.9

(END OF REPORT)