

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: P700005 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-80-3S-S**

Issue Date: 8/10/2023

Test Information

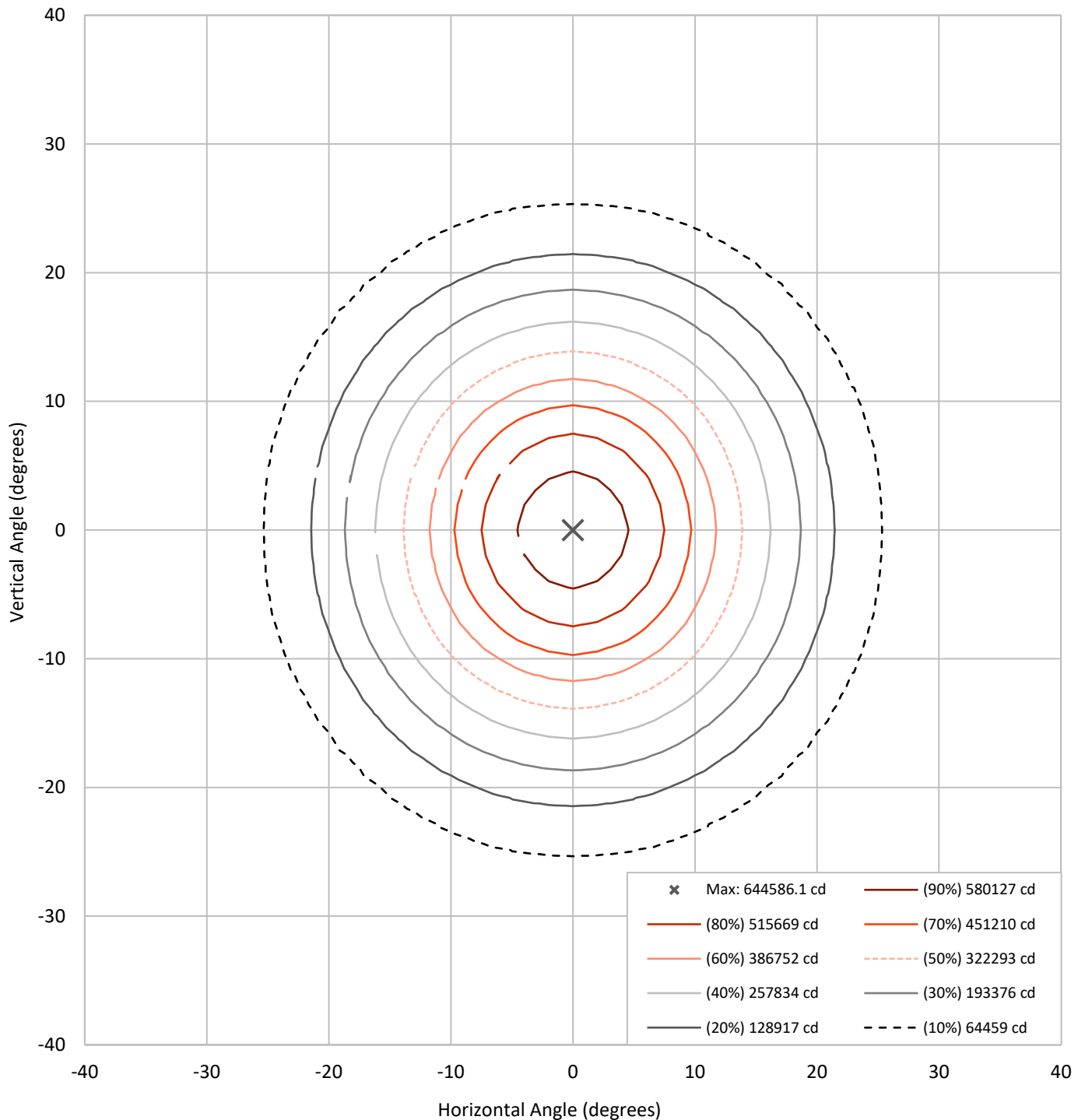
Test Method: LM-79-08
Report Number: P700005 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-11)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-16-1200R-57-80-3S-S
Description: EPHESUS LUMASPORT 16 LUMINAIRE
(16) 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:	188035.8 lumens	Max Intensity:	644586.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	151.1 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	27.8°H x 27.8°V	Field Angle (10%):	50.4°H x 50.4°V
Beam Lumens:	82661 lumens	Field Lumens:	153797.9 lumens
Beam Efficiency:	44.0%	Field Efficiency:	81.8%
Input Watts (W):	1244.6		
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





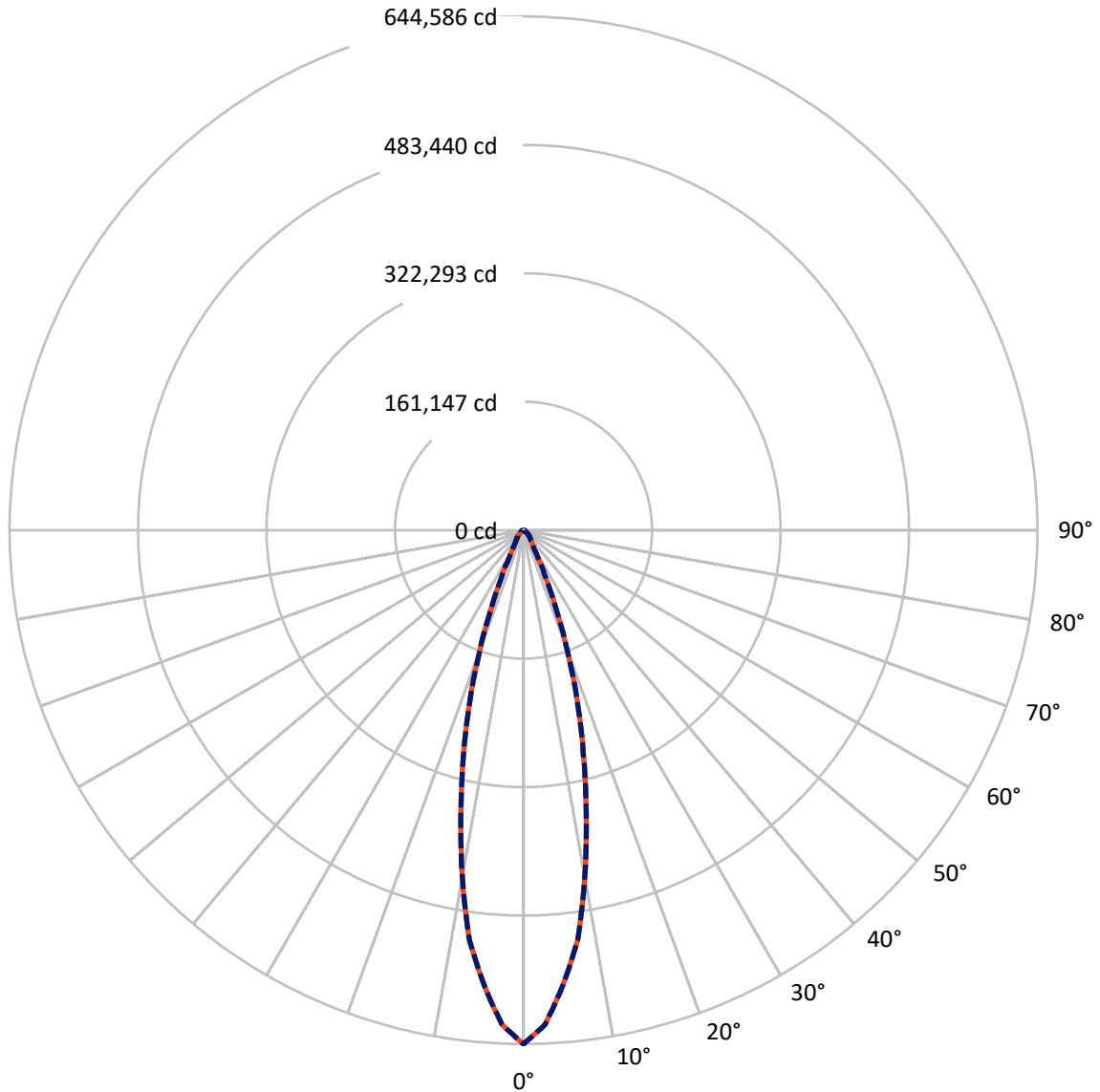
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Lumen Table

90	0.4	2.4		8.7		21.0		27.2		21.0		8.7		2.4		0.4
80	0.4	2.4		8.7		21.0		27.2		21.0		8.7		2.4		0.4
70	1.1	1.3	5.2	14.3	27.2	40.9	52.3	58.7	58.7	52.3	40.9	27.2	14.3	5.2	1.3	1.1
60		3.9	16.2	37.5	64.9	93.9	117.7	131.1	131.1	117.7	93.9	64.9	37.5	16.2	3.9	
50	2.9	8.8	30.7	66.3	112.3	176.9	248.5	290.2	290.2	248.5	176.9	112.3	66.3	30.7	8.8	2.9
40		14.5	45.9	97.2	195.7	321.1	435.3	528.3	528.3	435.3	321.1	195.7	97.2	45.9	14.5	
30	6.1	19.6	60.1	139.2	290.8	503.9	1115.5	2089.7	2089.7	1115.5	503.9	290.8	139.2	60.1	19.6	6.1
20		23.6	70.7	183.8	370.7	1052.4	4113.0	8019.0	8019.0	4113.0	1052.4	370.7	183.8	70.7	23.6	
10	7.5	25.7	76.4	207.9	437.3	1920.8	7799.3	15192.4	15192.4	7799.3	1920.8	437.3	207.9	76.4	25.7	7.5
0		25.7	76.4	207.9	437.3	1920.8	7799.3	15192.4	15192.4	7799.3	1920.8	437.3	207.9	76.4	25.7	
-10	6.1	23.6	70.7	183.8	370.7	1052.4	4113.0	8019.0	8019.0	4113.0	1052.4	370.7	183.8	70.7	23.6	6.1
-20		19.6	60.1	139.2	290.8	503.9	1115.5	2089.7	2089.7	1115.5	503.9	290.8	139.2	60.1	19.6	
-30	2.9	14.5	45.9	97.2	195.7	321.1	435.3	528.3	528.3	435.3	321.1	195.7	97.2	45.9	14.5	2.9
-40		8.8	30.7	66.3	112.3	176.9	248.5	290.2	290.2	248.5	176.9	112.3	66.3	30.7	8.8	
-50	1.1	3.9	16.2	37.5	64.9	93.9	117.7	131.1	131.1	117.7	93.9	64.9	37.5	16.2	3.9	1.1
-60		1.3	5.2	14.3	27.2	40.9	52.3	58.7	58.7	52.3	40.9	27.2	14.3	5.2	1.3	
-70	0.4	2.4		8.7		21.0		27.2		21.0		8.7		2.4		0.4
-80		2.4		8.7		21.0		27.2		21.0		8.7		2.4		
-90	0.4	2.4		8.7		21.0		27.2		21.0		8.7		2.4		0.4

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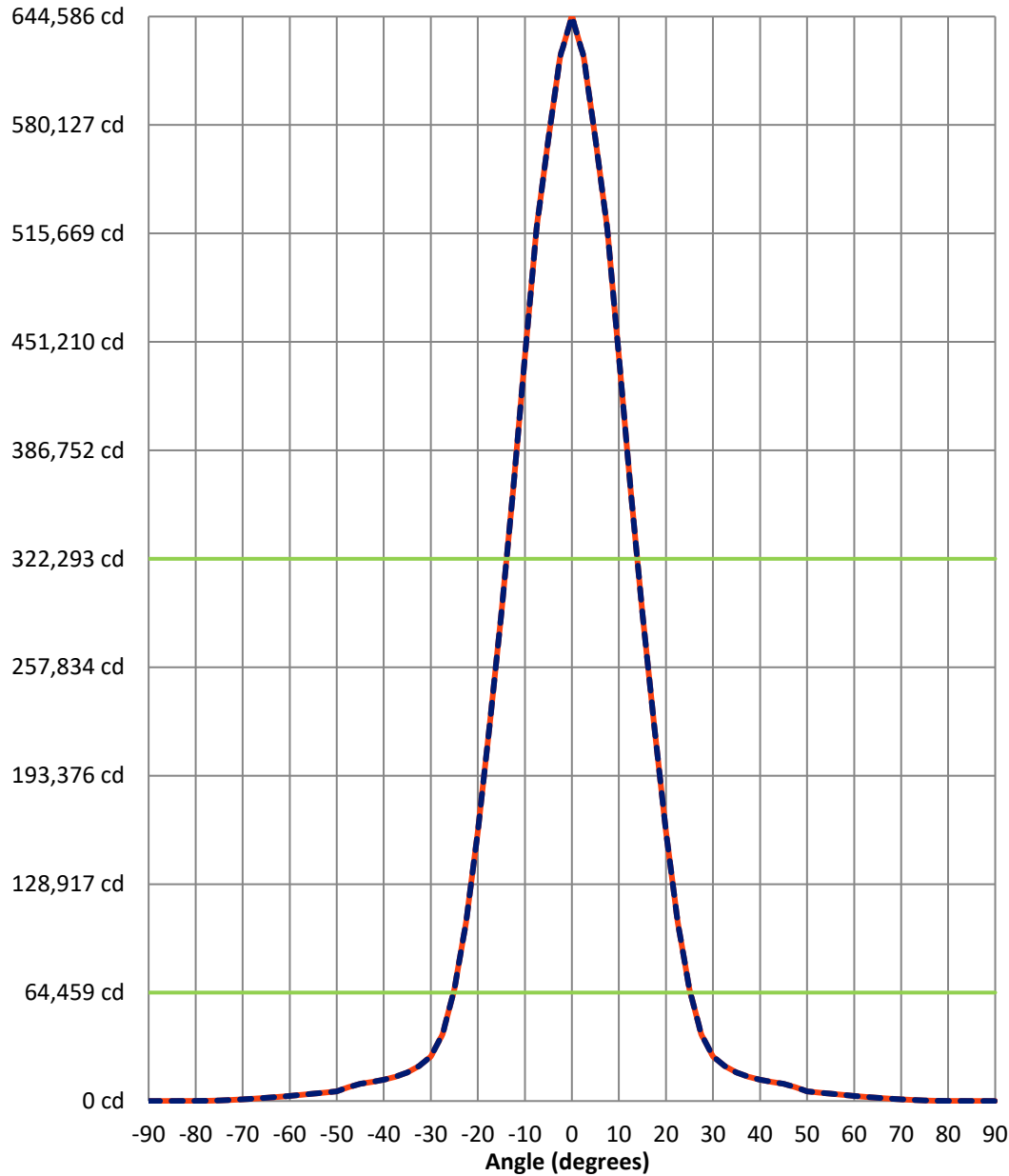
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 27.8°
 V Angle: 27.8°
 Lumens: 82661
 Efficiency: 44.0%

Field:
 H Angle: 50.4°
 V Angle: 50.4°
 Lumens: 153797.9
 Efficiency: 81.8%

Spill:
 Lumens: 34237.9
 Efficiency: 18.2%

— 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	0.9	1.8	2.6	3.5	4.4	5.2	6.1	6.9	7.7	8.5
85°	0.0	1.8	3.5	5.3	7.0	8.7	10.4	12.1	13.8	15.4	17.1
82.5°	0.0	2.6	5.3	7.9	10.5	13.1	15.6	18.2	20.5	22.3	24.0
80°	0.0	3.5	7.0	10.5	14.0	17.4	20.6	23.1	25.4	27.8	30.1
77.5°	0.0	4.4	8.7	13.1	17.4	21.3	24.3	27.3	30.3	33.3	36.6
75°	0.0	5.2	10.4	15.6	20.6	24.3	28.0	31.6	35.3	40.0	44.6
72.5°	0.0	6.1	12.1	18.2	23.1	27.3	31.6	36.2	41.7	47.1	52.5
70°	0.0	6.9	13.8	20.5	25.4	30.3	35.3	41.7	48.0	54.2	61.5
67.5°	0.0	7.7	15.4	22.3	27.8	33.3	40.0	47.1	54.2	62.5	70.7
65°	0.0	8.5	17.1	24.0	30.1	36.6	44.6	52.5	61.5	70.7	85.2
62.5°	0.0	9.3	18.6	25.7	32.4	40.4	49.1	58.4	68.7	82.1	112.3
60°	0.0	10.1	20.2	27.4	34.6	44.1	53.5	64.6	75.7	106.1	138.9
57.5°	0.0	10.9	21.3	29.0	37.4	47.7	58.6	70.6	93.7	129.6	195.6
55°	0.0	11.6	22.3	30.6	40.2	51.2	63.6	76.5	114.0	161.2	265.2
52.5°	0.0	12.3	23.3	32.1	42.9	54.7	68.5	92.5	133.8	222.3	333.0
50°	0.0	13.0	24.3	33.6	45.6	58.6	73.2	109.3	162.8	281.5	433.0
47.5°	0.0	13.6	25.3	35.2	48.1	62.4	79.1	125.5	213.7	338.8	533.7
45°	0.0	14.3	26.2	37.0	50.5	66.0	92.4	141.1	262.7	425.3	630.8
42.5°	0.0	14.9	27.1	38.7	52.9	69.5	105.2	171.2	309.7	509.1	742.2
40°	0.0	15.5	27.9	40.4	55.3	72.9	117.5	210.4	363.1	589.3	851.8
37.5°	0.0	16.0	28.7	42.0	57.9	76.1	129.1	247.8	430.7	670.5	956.2
35°	0.0	16.5	29.4	43.5	60.3	83.1	140.1	283.1	494.8	759.2	1060.9
32.5°	0.0	17.0	30.1	44.9	62.5	91.7	155.8	316.3	555.1	842.8	1168.2
30°	0.0	17.5	30.8	46.2	64.6	99.7	182.3	351.7	611.6	921.1	1268.7
27.5°	0.0	17.9	31.4	47.4	66.6	107.1	206.9	397.3	668.4	994.0	1362.3
25°	0.0	18.3	32.0	48.5	68.4	114.0	229.6	439.3	727.7	1067.6	1449.2
22.5°	0.0	18.7	32.5	49.6	70.0	120.3	250.3	477.7	781.8	1138.0	1539.9
20°	0.0	19.0	32.9	50.5	71.5	125.9	268.9	512.2	830.5	1201.5	1621.8
17.5°	0.0	19.3	33.4	51.3	72.8	130.9	285.4	542.9	873.9	1257.9	1694.6
15°	0.0	19.5	33.7	52.0	73.9	135.2	299.8	569.7	911.6	1307.1	1758.1
12.5°	0.0	19.7	34.0	52.6	74.9	138.9	312.1	592.4	943.8	1349.1	1812.3
10°	0.0	19.9	34.3	53.1	75.7	142.0	322.1	611.1	970.2	1383.5	1856.8
7.5°	0.0	20.0	34.5	53.5	76.3	144.3	330.0	625.7	990.8	1410.4	1891.5
5°	0.0	20.1	34.6	53.8	76.7	146.0	335.6	636.1	1005.6	1429.7	1916.4
2.5°	0.0	20.2	34.7	53.9	77.0	147.1	339.0	642.4	1014.4	1441.2	1931.4
0°	0.0	20.2	34.7	54.0	77.1	147.4	340.1	644.5	1017.4	1445.1	1936.4
-2.5°	0.0	20.2	34.7	53.9	77.0	147.1	339.0	642.4	1014.4	1441.2	1931.4
-5°	0.0	20.1	34.6	53.8	76.7	146.0	335.6	636.1	1005.6	1429.7	1916.4
-7.5°	0.0	20.0	34.5	53.5	76.3	144.3	330.0	625.7	990.8	1410.4	1891.5
-10°	0.0	19.9	34.3	53.1	75.7	142.0	322.1	611.1	970.2	1383.5	1856.8
-12.5°	0.0	19.7	34.0	52.6	74.9	138.9	312.1	592.4	943.8	1349.1	1812.3
-15°	0.0	19.5	33.7	52.0	73.9	135.2	299.8	569.7	911.6	1307.1	1758.1
-17.5°	0.0	19.3	33.4	51.3	72.8	130.9	285.4	542.9	873.9	1257.9	1694.6
-20°	0.0	19.0	32.9	50.5	71.5	125.9	268.9	512.2	830.5	1201.5	1621.8



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 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3S-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	18.7	32.5	49.6	70.0	120.3	250.3	477.7	781.8	1138.0	1539.9
-25°	0.0	18.3	32.0	48.5	68.4	114.0	229.6	439.3	727.7	1067.6	1449.2
-27.5°	0.0	17.9	31.4	47.4	66.6	107.1	206.9	397.3	668.4	994.0	1362.3
-30°	0.0	17.5	30.8	46.2	64.6	99.7	182.3	351.7	611.6	921.1	1268.7
-32.5°	0.0	17.0	30.1	44.9	62.5	91.7	155.8	316.3	555.1	842.8	1168.2
-35°	0.0	16.5	29.4	43.5	60.3	83.1	140.1	283.1	494.8	759.2	1060.9
-37.5°	0.0	16.0	28.7	42.0	57.9	76.1	129.1	247.8	430.7	670.5	956.2
-40°	0.0	15.5	27.9	40.4	55.3	72.9	117.5	210.4	363.1	589.3	851.8
-42.5°	0.0	14.9	27.1	38.7	52.9	69.5	105.2	171.2	309.7	509.1	742.2
-45°	0.0	14.3	26.2	37.0	50.5	66.0	92.4	141.1	262.7	425.3	630.8
-47.5°	0.0	13.6	25.3	35.2	48.1	62.4	79.1	125.5	213.7	338.8	533.7
-50°	0.0	13.0	24.3	33.6	45.6	58.6	73.2	109.3	162.8	281.5	433.0
-52.5°	0.0	12.3	23.3	32.1	42.9	54.7	68.5	92.5	133.8	222.3	333.0
-55°	0.0	11.6	22.3	30.6	40.2	51.2	63.6	76.5	114.0	161.2	265.2
-57.5°	0.0	10.9	21.3	29.0	37.4	47.7	58.6	70.6	93.7	129.6	195.6
-60°	0.0	10.1	20.2	27.4	34.6	44.1	53.5	64.6	75.7	106.1	138.9
-62.5°	0.0	9.3	18.6	25.7	32.4	40.4	49.1	58.4	68.7	82.1	112.3
-65°	0.0	8.5	17.1	24.0	30.1	36.6	44.6	52.5	61.5	70.7	85.2
-67.5°	0.0	7.7	15.4	22.3	27.8	33.3	40.0	47.1	54.2	62.5	70.7
-70°	0.0	6.9	13.8	20.5	25.4	30.3	35.3	41.7	48.0	54.2	61.5
-72.5°	0.0	6.1	12.1	18.2	23.1	27.3	31.6	36.2	41.7	47.1	52.5
-75°	0.0	5.2	10.4	15.6	20.6	24.3	28.0	31.6	35.3	40.0	44.6
-77.5°	0.0	4.4	8.7	13.1	17.4	21.3	24.3	27.3	30.3	33.3	36.6
-80°	0.0	3.5	7.0	10.5	14.0	17.4	20.6	23.1	25.4	27.8	30.1
-82.5°	0.0	2.6	5.3	7.9	10.5	13.1	15.6	18.2	20.5	22.3	24.0
-85°	0.0	1.8	3.5	5.3	7.0	8.7	10.4	12.1	13.8	15.4	17.1
-87.5°	0.0	0.9	1.8	2.6	3.5	4.4	5.2	6.1	6.9	7.7	8.5
-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: P700005 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3S-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°	9.3	10.1	10.9	11.6	12.3	13.0	13.6	14.3	14.9	15.5	16.0
85°	18.6	20.2	21.3	22.3	23.3	24.3	25.3	26.2	27.1	27.9	28.7
82.5°	25.7	27.4	29.0	30.6	32.1	33.6	35.2	37.0	38.7	40.4	42.0
80°	32.4	34.6	37.4	40.2	42.9	45.6	48.1	50.5	52.9	55.3	57.9
77.5°	40.4	44.1	47.7	51.2	54.7	58.6	62.4	66.0	69.5	72.9	76.1
75°	49.1	53.5	58.6	63.6	68.5	73.2	79.1	92.4	105.2	117.5	129.1
72.5°	58.4	64.6	70.6	76.5	92.5	109.3	125.5	141.1	171.2	210.4	247.8
70°	68.7	75.7	93.7	114.0	133.8	162.8	213.7	262.7	309.7	363.1	430.7
67.5°	82.1	106.1	129.6	161.2	222.3	281.5	338.8	425.3	509.1	589.3	670.5
65°	112.3	138.9	195.6	265.2	333.0	433.0	533.7	630.8	742.2	851.8	956.2
62.5°	142.1	212.8	291.2	383.7	501.5	616.0	745.5	876.7	1003.0	1139.7	1272.2
60°	212.8	299.8	411.2	542.9	677.5	830.5	979.0	1138.0	1296.5	1449.2	1616.2
57.5°	291.2	411.2	556.8	711.6	882.0	1052.4	1237.1	1415.9	1609.6	1799.8	1983.9
55°	383.7	542.9	711.6	899.2	1092.1	1297.1	1503.9	1725.6	1939.9	2155.5	2362.0
52.5°	501.5	677.5	882.0	1092.1	1317.1	1550.4	1795.9	2038.6	2279.8	2520.2	2772.9
50°	616.0	830.5	1052.4	1297.1	1550.4	1819.4	2088.3	2355.0	2635.0	2917.6	3213.3
47.5°	745.5	979.0	1237.1	1503.9	1795.9	2088.3	2380.2	2692.9	3005.3	3349.9	3685.9
45°	876.7	1138.0	1415.9	1725.6	2038.6	2355.0	2692.9	3034.7	3418.8	3790.3	4147.5
42.5°	1003.0	1296.5	1609.6	1939.9	2279.8	2635.0	3005.3	3418.8	3825.3	4218.5	4589.7
40°	1139.7	1449.2	1799.8	2155.5	2520.2	2917.6	3349.9	3790.3	4218.5	4624.5	5010.9
37.5°	1272.2	1616.2	1983.9	2362.0	2772.9	3213.3	3685.9	4147.5	4589.7	5010.9	5478.1
35°	1398.0	1774.9	2165.3	2573.3	3014.1	3513.4	4006.8	4486.0	4940.1	5436.4	6300.7
32.5°	1527.5	1924.9	2336.9	2785.0	3275.7	3798.5	4312.2	4799.8	5312.2	6017.6	7751.9
30°	1655.6	2072.0	2504.8	2984.3	3525.5	4067.2	4592.6	5107.6	5678.5	7318.8	8967.2
27.5°	1774.9	2209.7	2675.8	3191.9	3759.2	4319.2	4853.2	5430.0	6607.1	8491.6	10029.2
25°	1885.1	2336.9	2834.1	3391.7	3975.5	4546.7	5105.9	5730.8	7682.6	9424.0	10682.5
22.5°	1988.3	2453.8	2979.1	3575.0	4174.3	4753.6	5363.4	6555.2	8595.8	10271.3	11200.0
20°	2083.6	2573.3	3122.4	3741.0	4354.7	4941.6	5597.8	7398.4	9331.3	10712.8	11731.5
17.5°	2168.5	2679.8	3257.8	3888.8	4510.7	5122.0	5887.4	8155.5	9993.2	11111.1	12238.7
15°	2242.7	2772.9	3376.4	4018.3	4646.3	5292.0	6502.0	8712.2	10431.6	11481.4	12693.0
12.5°	2305.9	2852.3	3477.5	4128.8	4762.3	5437.4	7028.5	9174.6	10711.1	11839.1	13217.8
10°	2357.8	2917.6	3560.7	4219.9	4858.0	5557.5	7463.9	9557.5	10943.0	12136.4	13654.9
7.5°	2398.4	2968.7	3625.9	4291.2	4932.9	5651.7	7805.5	9858.2	11125.3	12370.5	13999.9
5°	2427.6	3005.3	3672.6	4342.4	4986.7	5719.3	8051.1	10074.6	11256.6	12539.4	14249.1
2.5°	2445.1	3027.3	3700.7	4373.2	5019.1	5760.1	8199.2	10205.1	11335.9	12641.4	14399.7
0°	2450.9	3034.7	3710.1	4383.5	5029.9	5773.7	8248.6	10248.7	11362.4	12675.5	14450.1
-2.5°	2445.1	3027.3	3700.7	4373.2	5019.1	5760.1	8199.2	10205.1	11335.9	12641.4	14399.7
-5°	2427.6	3005.3	3672.6	4342.4	4986.7	5719.3	8051.1	10074.6	11256.6	12539.4	14249.1
-7.5°	2398.4	2968.7	3625.9	4291.2	4932.9	5651.7	7805.5	9858.2	11125.3	12370.5	13999.9
-10°	2357.8	2917.6	3560.7	4219.9	4858.0	5557.5	7463.9	9557.5	10943.0	12136.4	13654.9
-12.5°	2305.9	2852.3	3477.5	4128.8	4762.3	5437.4	7028.5	9174.6	10711.1	11839.1	13217.8
-15°	2242.7	2772.9	3376.4	4018.3	4646.3	5292.0	6502.0	8712.2	10431.6	11481.4	12693.0
-17.5°	2168.5	2679.8	3257.8	3888.8	4510.7	5122.0	5887.4	8155.5	9993.2	11111.1	12238.7
-20°	2083.6	2573.3	3122.4	3741.0	4354.7	4941.6	5597.8	7398.4	9331.3	10712.8	11731.5



REPORT NUMBER: P700005 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3S-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1988.3	2453.8	2979.1	3575.0	4174.3	4753.6	5363.4	6555.2	8595.8	10271.3	11200.0
-25°	1885.1	2336.9	2834.1	3391.7	3975.5	4546.7	5105.9	5730.8	7682.6	9424.0	10682.5
-27.5°	1774.9	2209.7	2675.8	3191.9	3759.2	4319.2	4853.2	5430.0	6607.1	8491.6	10029.2
-30°	1655.6	2072.0	2504.8	2984.3	3525.5	4067.2	4592.6	5107.6	5678.5	7318.8	8967.2
-32.5°	1527.5	1924.9	2336.9	2785.0	3275.7	3798.5	4312.2	4799.8	5312.2	6017.6	7751.9
-35°	1398.0	1774.9	2165.3	2573.3	3014.1	3513.4	4006.8	4486.0	4940.1	5436.4	6300.7
-37.5°	1272.2	1616.2	1983.9	2362.0	2772.9	3213.3	3685.9	4147.5	4589.7	5010.9	5478.1
-40°	1139.7	1449.2	1799.8	2155.5	2520.2	2917.6	3349.9	3790.3	4218.5	4624.5	5010.9
-42.5°	1003.0	1296.5	1609.6	1939.9	2279.8	2635.0	3005.3	3418.8	3825.3	4218.5	4589.7
-45°	876.7	1138.0	1415.9	1725.6	2038.6	2355.0	2692.9	3034.7	3418.8	3790.3	4147.5
-47.5°	745.5	979.0	1237.1	1503.9	1795.9	2088.3	2380.2	2692.9	3005.3	3349.9	3685.9
-50°	616.0	830.5	1052.4	1297.1	1550.4	1819.4	2088.3	2355.0	2635.0	2917.6	3213.3
-52.5°	501.5	677.5	882.0	1092.1	1317.1	1550.4	1795.9	2038.6	2279.8	2520.2	2772.9
-55°	383.7	542.9	711.6	899.2	1092.1	1297.1	1503.9	1725.6	1939.9	2155.5	2362.0
-57.5°	291.2	411.2	556.8	711.6	882.0	1052.4	1237.1	1415.9	1609.6	1799.8	1983.9
-60°	212.8	299.8	411.2	542.9	677.5	830.5	979.0	1138.0	1296.5	1449.2	1616.2
-62.5°	142.1	212.8	291.2	383.7	501.5	616.0	745.5	876.7	1003.0	1139.7	1272.2
-65°	112.3	138.9	195.6	265.2	333.0	433.0	533.7	630.8	742.2	851.8	956.2
-67.5°	82.1	106.1	129.6	161.2	222.3	281.5	338.8	425.3	509.1	589.3	670.5
-70°	68.7	75.7	93.7	114.0	133.8	162.8	213.7	262.7	309.7	363.1	430.7
-72.5°	58.4	64.6	70.6	76.5	92.5	109.3	125.5	141.1	171.2	210.4	247.8
-75°	49.1	53.5	58.6	63.6	68.5	73.2	79.1	92.4	105.2	117.5	129.1
-77.5°	40.4	44.1	47.7	51.2	54.7	58.6	62.4	66.0	69.5	72.9	76.1
-80°	32.4	34.6	37.4	40.2	42.9	45.6	48.1	50.5	52.9	55.3	57.9
-82.5°	25.7	27.4	29.0	30.6	32.1	33.6	35.2	37.0	38.7	40.4	42.0
-85°	18.6	20.2	21.3	22.3	23.3	24.3	25.3	26.2	27.1	27.9	28.7
-87.5°	9.3	10.1	10.9	11.6	12.3	13.0	13.6	14.3	14.9	15.5	16.0
-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: P700005 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3S-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°	16.5	17.0	17.5	17.9	18.3	18.7	19.0	19.3	19.5	19.7	19.9
85°	29.4	30.1	30.8	31.4	32.0	32.5	32.9	33.4	33.7	34.0	34.3
82.5°	43.5	44.9	46.2	47.4	48.5	49.6	50.5	51.3	52.0	52.6	53.1
80°	60.3	62.5	64.6	66.6	68.4	70.0	71.5	72.8	73.9	74.9	75.7
77.5°	83.1	91.7	99.7	107.1	114.0	120.3	125.9	130.9	135.2	138.9	142.0
75°	140.1	155.8	182.3	206.9	229.6	250.3	268.9	285.4	299.8	312.1	322.1
72.5°	283.1	316.3	351.7	397.3	439.3	477.7	512.2	542.9	569.7	592.4	611.1
70°	494.8	555.1	611.6	668.4	727.7	781.8	830.5	873.9	911.6	943.8	970.2
67.5°	759.2	842.8	921.1	994.0	1067.6	1138.0	1201.5	1257.9	1307.1	1349.1	1383.5
65°	1060.9	1168.2	1268.7	1362.3	1449.2	1539.9	1621.8	1694.6	1758.1	1812.3	1856.8
62.5°	1398.0	1527.5	1655.6	1774.9	1885.1	1988.3	2083.6	2168.5	2242.7	2305.9	2357.8
60°	1774.9	1924.9	2072.0	2209.7	2336.9	2453.8	2573.3	2679.8	2772.9	2852.3	2917.6
57.5°	2165.3	2336.9	2504.8	2675.8	2834.1	2979.1	3122.4	3257.8	3376.4	3477.5	3560.7
55°	2573.3	2785.0	2984.3	3191.9	3391.7	3575.0	3741.0	3888.8	4018.3	4128.8	4219.9
52.5°	3014.1	3275.7	3525.5	3759.2	3975.5	4174.3	4354.7	4510.7	4646.3	4762.3	4858.0
50°	3513.4	3798.5	4067.2	4319.2	4546.7	4753.6	4941.6	5122.0	5292.0	5437.4	5557.5
47.5°	4006.8	4312.2	4592.6	4853.2	5105.9	5363.4	5597.8	5887.4	6502.0	7028.5	7463.9
45°	4486.0	4799.8	5107.6	5430.0	5730.8	6555.2	7398.4	8155.5	8712.2	9174.6	9557.5
42.5°	4940.1	5312.2	5678.5	6607.1	7682.6	8595.8	9331.3	9993.2	10431.6	10711.1	10943.0
40°	5436.4	6017.6	7318.8	8491.6	9424.0	10271.3	10712.8	11111.1	11481.4	11839.1	12136.4
37.5°	6300.7	7751.9	8967.2	10029.2	10682.5	11200.0	11731.5	12238.7	12693.0	13217.8	13654.9
35°	7897.2	9207.6	10331.8	10962.3	11591.7	12246.2	12910.8	13650.9	14309.2	15064.4	15745.7
32.5°	9207.6	10400.8	11103.9	11848.7	12597.3	13517.8	14395.1	15514.8	16535.7	17638.4	18751.2
30°	10331.8	11103.9	11935.1	12810.5	13889.4	15100.2	16449.9	18030.3	19687.9	21304.9	23125.9
27.5°	10962.3	11848.7	12810.5	14014.5	15470.6	17041.1	19213.0	21417.4	24110.8	26473.4	31112.5
25°	11591.7	12597.3	13889.4	15470.6	17331.2	19815.8	22822.2	26050.9	32298.0	38319.5	47129.5
22.5°	12246.2	13517.8	15100.2	17041.1	19815.8	23297.1	27788.7	35919.2	46940.8	60155.0	74070.3
20°	12910.8	14395.1	16449.9	19213.0	22822.2	27788.7	37147.4	52114.8	69299.1	91166.7	111338.5
17.5°	13650.9	15514.8	18030.3	21417.4	26050.9	35919.2	52114.8	73478.9	100030.3	130247.6	158565.6
15°	14309.2	16535.7	19687.9	24110.8	32298.0	46940.8	69299.1	100030.3	136733.5	174497.4	211463.3
12.5°	15064.4	17638.4	21304.9	26473.4	38319.5	60155.0	91166.7	130247.6	174497.4	220441.6	264246.8
10°	15745.7	18751.2	23125.9	31112.5	47129.5	74070.3	111338.5	158565.6	211463.3	264246.8	316189.4
7.5°	16284.6	19633.9	24575.1	34831.4	55362.8	87854.8	132091.0	185571.0	243610.4	303177.4	363682.7
5°	16674.5	20274.0	25629.0	37545.2	61397.5	98017.1	147508.9	206057.1	268637.8	335337.8	403150.3
2.5°	16910.6	20662.1	26269.2	39197.8	65084.1	104251.6	157022.7	218802.1	284395.7	355862.7	431940.8
0°	16989.6	20792.1	26483.9	39752.8	66324.4	106353.8	160240.7	223132.5	289786.4	363009.8	442287.1
-2.5°	16910.6	20662.1	26269.2	39197.8	65084.1	104251.6	157022.7	218802.1	284395.7	355862.7	431940.8
-5°	16674.5	20274.0	25629.0	37545.2	61397.5	98017.1	147508.9	206057.1	268637.8	335337.8	403150.3
-7.5°	16284.6	19633.9	24575.1	34831.4	55362.8	87854.8	132091.0	185571.0	243610.4	303177.4	363682.7
-10°	15745.7	18751.2	23125.9	31112.5	47129.5	74070.3	111338.5	158565.6	211463.3	264246.8	316189.4
-12.5°	15064.4	17638.4	21304.9	26473.4	38319.5	60155.0	91166.7	130247.6	174497.4	220441.6	264246.8
-15°	14309.2	16535.7	19687.9	24110.8	32298.0	46940.8	69299.1	100030.3	136733.5	174497.4	211463.3
-17.5°	13650.9	15514.8	18030.3	21417.4	26050.9	35919.2	52114.8	73478.9	100030.3	130247.6	158565.6
-20°	12910.8	14395.1	16449.9	19213.0	22822.2	27788.7	37147.4	52114.8	69299.1	91166.7	111338.5



REPORT NUMBER: P700005 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3S-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12246.2	13517.8	15100.2	17041.1	19815.8	23297.1	27788.7	35919.2	46940.8	60155.0	74070.3
-25°	11591.7	12597.3	13889.4	15470.6	17331.2	19815.8	22822.2	26050.9	32298.0	38319.5	47129.5
-27.5°	10962.3	11848.7	12810.5	14014.5	15470.6	17041.1	19213.0	21417.4	24110.8	26473.4	31112.5
-30°	10331.8	11103.9	11935.1	12810.5	13889.4	15100.2	16449.9	18030.3	19687.9	21304.9	23125.9
-32.5°	9207.6	10400.8	11103.9	11848.7	12597.3	13517.8	14395.1	15514.8	16535.7	17638.4	18751.2
-35°	7897.2	9207.6	10331.8	10962.3	11591.7	12246.2	12910.8	13650.9	14309.2	15064.4	15745.7
-37.5°	6300.7	7751.9	8967.2	10029.2	10682.5	11200.0	11731.5	12238.7	12693.0	13217.8	13654.9
-40°	5436.4	6017.6	7318.8	8491.6	9424.0	10271.3	10712.8	11111.1	11481.4	11839.1	12136.4
-42.5°	4940.1	5312.2	5678.5	6607.1	7682.6	8595.8	9331.3	9993.2	10431.6	10711.1	10943.0
-45°	4486.0	4799.8	5107.6	5430.0	5730.8	6555.2	7398.4	8155.5	8712.2	9174.6	9557.5
-47.5°	4006.8	4312.2	4592.6	4853.2	5105.9	5363.4	5597.8	5887.4	6502.0	7028.5	7463.9
-50°	3513.4	3798.5	4067.2	4319.2	4546.7	4753.6	4941.6	5122.0	5292.0	5437.4	5557.5
-52.5°	3014.1	3275.7	3525.5	3759.2	3975.5	4174.3	4354.7	4510.7	4646.3	4762.3	4858.0
-55°	2573.3	2785.0	2984.3	3191.9	3391.7	3575.0	3741.0	3888.8	4018.3	4128.8	4219.9
-57.5°	2165.3	2336.9	2504.8	2675.8	2834.1	2979.1	3122.4	3257.8	3376.4	3477.5	3560.7
-60°	1774.9	1924.9	2072.0	2209.7	2336.9	2453.8	2573.3	2679.8	2772.9	2852.3	2917.6
-62.5°	1398.0	1527.5	1655.6	1774.9	1885.1	1988.3	2083.6	2168.5	2242.7	2305.9	2357.8
-65°	1060.9	1168.2	1268.7	1362.3	1449.2	1539.9	1621.8	1694.6	1758.1	1812.3	1856.8
-67.5°	759.2	842.8	921.1	994.0	1067.6	1138.0	1201.5	1257.9	1307.1	1349.1	1383.5
-70°	494.8	555.1	611.6	668.4	727.7	781.8	830.5	873.9	911.6	943.8	970.2
-72.5°	283.1	316.3	351.7	397.3	439.3	477.7	512.2	542.9	569.7	592.4	611.1
-75°	140.1	155.8	182.3	206.9	229.6	250.3	268.9	285.4	299.8	312.1	322.1
-77.5°	83.1	91.7	99.7	107.1	114.0	120.3	125.9	130.9	135.2	138.9	142.0
-80°	60.3	62.5	64.6	66.6	68.4	70.0	71.5	72.8	73.9	74.9	75.7
-82.5°	43.5	44.9	46.2	47.4	48.5	49.6	50.5	51.3	52.0	52.6	53.1
-85°	29.4	30.1	30.8	31.4	32.0	32.5	32.9	33.4	33.7	34.0	34.3
-87.5°	16.5	17.0	17.5	17.9	18.3	18.7	19.0	19.3	19.5	19.7	19.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P700005 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3S-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°	20.0	20.1	20.2	20.2	20.2	20.1	20.0	19.9	19.7	19.5	19.3
85°	34.5	34.6	34.7	34.7	34.7	34.6	34.5	34.3	34.0	33.7	33.4
82.5°	53.5	53.8	53.9	54.0	53.9	53.8	53.5	53.1	52.6	52.0	51.3
80°	76.3	76.7	77.0	77.1	77.0	76.7	76.3	75.7	74.9	73.9	72.8
77.5°	144.3	146.0	147.1	147.4	147.1	146.0	144.3	142.0	138.9	135.2	130.9
75°	330.0	335.6	339.0	340.1	339.0	335.6	330.0	322.1	312.1	299.8	285.4
72.5°	625.7	636.1	642.4	644.5	642.4	636.1	625.7	611.1	592.4	569.7	542.9
70°	990.8	1005.6	1014.4	1017.4	1014.4	1005.6	990.8	970.2	943.8	911.6	873.9
67.5°	1410.4	1429.7	1441.2	1445.1	1441.2	1429.7	1410.4	1383.5	1349.1	1307.1	1257.9
65°	1891.5	1916.4	1931.4	1936.4	1931.4	1916.4	1891.5	1856.8	1812.3	1758.1	1694.6
62.5°	2398.4	2427.6	2445.1	2450.9	2445.1	2427.6	2398.4	2357.8	2305.9	2242.7	2168.5
60°	2968.7	3005.3	3027.3	3034.7	3027.3	3005.3	2968.7	2917.6	2852.3	2772.9	2679.8
57.5°	3625.9	3672.6	3700.7	3710.1	3700.7	3672.6	3625.9	3560.7	3477.5	3376.4	3257.8
55°	4291.2	4342.4	4373.2	4383.5	4373.2	4342.4	4291.2	4219.9	4128.8	4018.3	3888.8
52.5°	4932.9	4986.7	5019.1	5029.9	5019.1	4986.7	4932.9	4858.0	4762.3	4646.3	4510.7
50°	5651.7	5719.3	5760.1	5773.7	5760.1	5719.3	5651.7	5557.5	5437.4	5292.0	5122.0
47.5°	7805.5	8051.1	8199.2	8248.6	8199.2	8051.1	7805.5	7463.9	7028.5	6502.0	5887.4
45°	9858.2	10074.6	10205.1	10248.7	10205.1	10074.6	9858.2	9557.5	9174.6	8712.2	8155.5
42.5°	11125.3	11256.6	11335.9	11362.4	11335.9	11256.6	11125.3	10943.0	10711.1	10431.6	9993.2
40°	12370.5	12539.4	12641.4	12675.5	12641.4	12539.4	12370.5	12136.4	11839.1	11481.4	11111.1
37.5°	13999.9	14249.1	14399.7	14450.1	14399.7	14249.1	13999.9	13654.9	13217.8	12693.0	12238.7
35°	16284.6	16674.5	16910.6	16989.6	16910.6	16674.5	16284.6	15745.7	15064.4	14309.2	13650.9
32.5°	19633.9	20274.0	20662.1	20792.1	20662.1	20274.0	19633.9	18751.2	17638.4	16535.7	15514.8
30°	24575.1	25629.0	26269.2	26483.9	26269.2	25629.0	24575.1	23125.9	21304.9	19687.9	18030.3
27.5°	34831.4	37545.2	39197.8	39752.8	39197.8	37545.2	34831.4	31112.5	26473.4	24110.8	21417.4
25°	55362.8	61397.5	65084.1	66324.4	65084.1	61397.5	55362.8	47129.5	38319.5	32298.0	26050.9
22.5°	87854.8	98017.1	104251.6	106353.8	104251.6	98017.1	87854.8	74070.3	60155.0	46940.8	35919.2
20°	132091.0	147508.9	157022.7	160240.7	157022.7	147508.9	132091.0	111338.5	91166.7	69299.1	52114.8
17.5°	185571.0	206057.1	218802.1	223132.5	218802.1	206057.1	185571.0	158565.6	130247.6	100030.3	73478.9
15°	243610.4	268637.8	284395.7	289786.4	284395.7	268637.8	243610.4	211463.3	174497.4	136733.5	100030.3
12.5°	303177.4	335337.8	355862.7	363009.8	355862.7	335337.8	303177.4	264246.8	220441.6	174497.4	130247.6
10°	363682.7	403150.3	431940.8	442287.1	431940.8	403150.3	363682.7	316189.4	264246.8	211463.3	158565.6
7.5°	422204.0	476932.0	509570.5	518962.4	509570.5	476932.0	422204.0	363682.7	303177.4	243610.4	185571.0
5°	476932.0	529052.4	559966.2	571843.5	559966.2	529052.4	476932.0	403150.3	335337.8	268637.8	206057.1
2.5°	509570.5	559966.2	601341.2	620625.3	601341.2	559966.2	509570.5	431940.8	355862.7	284395.7	218802.1
0°	518962.4	571843.5	620625.3	644586.1	620625.3	571843.5	518962.4	442287.1	363009.8	289786.4	223132.5
-2.5°	509570.5	559966.2	601341.2	620625.3	601341.2	559966.2	509570.5	431940.8	355862.7	284395.7	218802.1
-5°	476932.0	529052.4	559966.2	571843.5	559966.2	529052.4	476932.0	403150.3	335337.8	268637.8	206057.1
-7.5°	422204.0	476932.0	509570.5	518962.4	509570.5	476932.0	422204.0	363682.7	303177.4	243610.4	185571.0
-10°	363682.7	403150.3	431940.8	442287.1	431940.8	403150.3	363682.7	316189.4	264246.8	211463.3	158565.6
-12.5°	303177.4	335337.8	355862.7	363009.8	355862.7	335337.8	303177.4	264246.8	220441.6	174497.4	130247.6
-15°	243610.4	268637.8	284395.7	289786.4	284395.7	268637.8	243610.4	211463.3	174497.4	136733.5	100030.3
-17.5°	185571.0	206057.1	218802.1	223132.5	218802.1	206057.1	185571.0	158565.6	130247.6	100030.3	73478.9
-20°	132091.0	147508.9	157022.7	160240.7	157022.7	147508.9	132091.0	111338.5	91166.7	69299.1	52114.8



REPORT NUMBER: P700005 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3S-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	87854.8	98017.1	104251.6	106353.8	104251.6	98017.1	87854.8	74070.3	60155.0	46940.8	35919.2
-25°	55362.8	61397.5	65084.1	66324.4	65084.1	61397.5	55362.8	47129.5	38319.5	32298.0	26050.9
-27.5°	34831.4	37545.2	39197.8	39752.8	39197.8	37545.2	34831.4	31112.5	26473.4	24110.8	21417.4
-30°	24575.1	25629.0	26269.2	26483.9	26269.2	25629.0	24575.1	23125.9	21304.9	19687.9	18030.3
-32.5°	19633.9	20274.0	20662.1	20792.1	20662.1	20274.0	19633.9	18751.2	17638.4	16535.7	15514.8
-35°	16284.6	16674.5	16910.6	16989.6	16910.6	16674.5	16284.6	15745.7	15064.4	14309.2	13650.9
-37.5°	13999.9	14249.1	14399.7	14450.1	14399.7	14249.1	13999.9	13654.9	13217.8	12693.0	12238.7
-40°	12370.5	12539.4	12641.4	12675.5	12641.4	12539.4	12370.5	12136.4	11839.1	11481.4	11111.1
-42.5°	11125.3	11256.6	11335.9	11362.4	11335.9	11256.6	11125.3	10943.0	10711.1	10431.6	9993.2
-45°	9858.2	10074.6	10205.1	10248.7	10205.1	10074.6	9858.2	9557.5	9174.6	8712.2	8155.5
-47.5°	7805.5	8051.1	8199.2	8248.6	8199.2	8051.1	7805.5	7463.9	7028.5	6502.0	5887.4
-50°	5651.7	5719.3	5760.1	5773.7	5760.1	5719.3	5651.7	5557.5	5437.4	5292.0	5122.0
-52.5°	4932.9	4986.7	5019.1	5029.9	5019.1	4986.7	4932.9	4858.0	4762.3	4646.3	4510.7
-55°	4291.2	4342.4	4373.2	4383.5	4373.2	4342.4	4291.2	4219.9	4128.8	4018.3	3888.8
-57.5°	3625.9	3672.6	3700.7	3710.1	3700.7	3672.6	3625.9	3560.7	3477.5	3376.4	3257.8
-60°	2968.7	3005.3	3027.3	3034.7	3027.3	3005.3	2968.7	2917.6	2852.3	2772.9	2679.8
-62.5°	2398.4	2427.6	2445.1	2450.9	2445.1	2427.6	2398.4	2357.8	2305.9	2242.7	2168.5
-65°	1891.5	1916.4	1931.4	1936.4	1931.4	1916.4	1891.5	1856.8	1812.3	1758.1	1694.6
-67.5°	1410.4	1429.7	1441.2	1445.1	1441.2	1429.7	1410.4	1383.5	1349.1	1307.1	1257.9
-70°	990.8	1005.6	1014.4	1017.4	1014.4	1005.6	990.8	970.2	943.8	911.6	873.9
-72.5°	625.7	636.1	642.4	644.5	642.4	636.1	625.7	611.1	592.4	569.7	542.9
-75°	330.0	335.6	339.0	340.1	339.0	335.6	330.0	322.1	312.1	299.8	285.4
-77.5°	144.3	146.0	147.1	147.4	147.1	146.0	144.3	142.0	138.9	135.2	130.9
-80°	76.3	76.7	77.0	77.1	77.0	76.7	76.3	75.7	74.9	73.9	72.8
-82.5°	53.5	53.8	53.9	54.0	53.9	53.8	53.5	53.1	52.6	52.0	51.3
-85°	34.5	34.6	34.7	34.7	34.7	34.6	34.5	34.3	34.0	33.7	33.4
-87.5°	20.0	20.1	20.2	20.2	20.2	20.1	20.0	19.9	19.7	19.5	19.3
-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: P700005 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3S-S

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°	19.0	18.7	18.3	17.9	17.5	17.0	16.5	16.0	15.5	14.9	14.3
85°	32.9	32.5	32.0	31.4	30.8	30.1	29.4	28.7	27.9	27.1	26.2
82.5°	50.5	49.6	48.5	47.4	46.2	44.9	43.5	42.0	40.4	38.7	37.0
80°	71.5	70.0	68.4	66.6	64.6	62.5	60.3	57.9	55.3	52.9	50.5
77.5°	125.9	120.3	114.0	107.1	99.7	91.7	83.1	76.1	72.9	69.5	66.0
75°	268.9	250.3	229.6	206.9	182.3	155.8	140.1	129.1	117.5	105.2	92.4
72.5°	512.2	477.7	439.3	397.3	351.7	316.3	283.1	247.8	210.4	171.2	141.1
70°	830.5	781.8	727.7	668.4	611.6	555.1	494.8	430.7	363.1	309.7	262.7
67.5°	1201.5	1138.0	1067.6	994.0	921.1	842.8	759.2	670.5	589.3	509.1	425.3
65°	1621.8	1539.9	1449.2	1362.3	1268.7	1168.2	1060.9	956.2	851.8	742.2	630.8
62.5°	2083.6	1988.3	1885.1	1774.9	1655.6	1527.5	1398.0	1272.2	1139.7	1003.0	876.7
60°	2573.3	2453.8	2336.9	2209.7	2072.0	1924.9	1774.9	1616.2	1449.2	1296.5	1138.0
57.5°	3122.4	2979.1	2834.1	2675.8	2504.8	2336.9	2165.3	1983.9	1799.8	1609.6	1415.9
55°	3741.0	3575.0	3391.7	3191.9	2984.3	2785.0	2573.3	2362.0	2155.5	1939.9	1725.6
52.5°	4354.7	4174.3	3975.5	3759.2	3525.5	3275.7	3014.1	2772.9	2520.2	2279.8	2038.6
50°	4941.6	4753.6	4546.7	4319.2	4067.2	3798.5	3513.4	3213.3	2917.6	2635.0	2355.0
47.5°	5597.8	5363.4	5105.9	4853.2	4592.6	4312.2	4006.8	3685.9	3349.9	3005.3	2692.9
45°	7398.4	6555.2	5730.8	5430.0	5107.6	4799.8	4486.0	4147.5	3790.3	3418.8	3034.7
42.5°	9331.3	8595.8	7682.6	6607.1	5678.5	5312.2	4940.1	4589.7	4218.5	3825.3	3418.8
40°	10712.8	10271.3	9424.0	8491.6	7318.8	6017.6	5436.4	5010.9	4624.5	4218.5	3790.3
37.5°	11731.5	11200.0	10682.5	10029.2	8967.2	7751.9	6300.7	5478.1	5010.9	4589.7	4147.5
35°	12910.8	12246.2	11591.7	10962.3	10331.8	9207.6	7897.2	6300.7	5436.4	4940.1	4486.0
32.5°	14395.1	13517.8	12597.3	11848.7	11103.9	10400.8	9207.6	7751.9	6017.6	5312.2	4799.8
30°	16449.9	15100.2	13889.4	12810.5	11935.1	11103.9	10331.8	8967.2	7318.8	5678.5	5107.6
27.5°	19213.0	17041.1	15470.6	14014.5	12810.5	11848.7	10962.3	10029.2	8491.6	6607.1	5430.0
25°	22822.2	19815.8	17331.2	15470.6	13889.4	12597.3	11591.7	10682.5	9424.0	7682.6	5730.8
22.5°	27788.7	23297.1	19815.8	17041.1	15100.2	13517.8	12246.2	11200.0	10271.3	8595.8	6555.2
20°	37147.4	27788.7	22822.2	19213.0	16449.9	14395.1	12910.8	11731.5	10712.8	9331.3	7398.4
17.5°	52114.8	35919.2	26050.9	21417.4	18030.3	15514.8	13650.9	12238.7	11111.1	9993.2	8155.5
15°	69299.1	46940.8	32298.0	24110.8	19687.9	16535.7	14309.2	12693.0	11481.4	10431.6	8712.2
12.5°	91166.7	60155.0	38319.5	26473.4	21304.9	17638.4	15064.4	13217.8	11839.1	10711.1	9174.6
10°	111338.5	74070.3	47129.5	31112.5	23125.9	18751.2	15745.7	13654.9	12136.4	10943.0	9557.5
7.5°	132091.0	87854.8	55362.8	34831.4	24575.1	19633.9	16284.6	13999.9	12370.5	11125.3	9858.2
5°	147508.9	98017.1	61397.5	37545.2	25629.0	20274.0	16674.5	14249.1	12539.4	11256.6	10074.6
2.5°	157022.7	104251.6	65084.1	39197.8	26269.2	20662.1	16910.6	14399.7	12641.4	11335.9	10205.1
0°	160240.7	106353.8	66324.4	39752.8	26483.9	20792.1	16989.6	14450.1	12675.5	11362.4	10248.7
-2.5°	157022.7	104251.6	65084.1	39197.8	26269.2	20662.1	16910.6	14399.7	12641.4	11335.9	10205.1
-5°	147508.9	98017.1	61397.5	37545.2	25629.0	20274.0	16674.5	14249.1	12539.4	11256.6	10074.6
-7.5°	132091.0	87854.8	55362.8	34831.4	24575.1	19633.9	16284.6	13999.9	12370.5	11125.3	9858.2
-10°	111338.5	74070.3	47129.5	31112.5	23125.9	18751.2	15745.7	13654.9	12136.4	10943.0	9557.5
-12.5°	91166.7	60155.0	38319.5	26473.4	21304.9	17638.4	15064.4	13217.8	11839.1	10711.1	9174.6
-15°	69299.1	46940.8	32298.0	24110.8	19687.9	16535.7	14309.2	12693.0	11481.4	10431.6	8712.2
-17.5°	52114.8	35919.2	26050.9	21417.4	18030.3	15514.8	13650.9	12238.7	11111.1	9993.2	8155.5
-20°	37147.4	27788.7	22822.2	19213.0	16449.9	14395.1	12910.8	11731.5	10712.8	9331.3	7398.4



REPORT NUMBER: P700005 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3S-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	27788.7	23297.1	19815.8	17041.1	15100.2	13517.8	12246.2	11200.0	10271.3	8595.8	6555.2
-25°	22822.2	19815.8	17331.2	15470.6	13889.4	12597.3	11591.7	10682.5	9424.0	7682.6	5730.8
-27.5°	19213.0	17041.1	15470.6	14014.5	12810.5	11848.7	10962.3	10029.2	8491.6	6607.1	5430.0
-30°	16449.9	15100.2	13889.4	12810.5	11935.1	11103.9	10331.8	8967.2	7318.8	5678.5	5107.6
-32.5°	14395.1	13517.8	12597.3	11848.7	11103.9	10400.8	9207.6	7751.9	6017.6	5312.2	4799.8
-35°	12910.8	12246.2	11591.7	10962.3	10331.8	9207.6	7897.2	6300.7	5436.4	4940.1	4486.0
-37.5°	11731.5	11200.0	10682.5	10029.2	8967.2	7751.9	6300.7	5478.1	5010.9	4589.7	4147.5
-40°	10712.8	10271.3	9424.0	8491.6	7318.8	6017.6	5436.4	5010.9	4624.5	4218.5	3790.3
-42.5°	9331.3	8595.8	7682.6	6607.1	5678.5	5312.2	4940.1	4589.7	4218.5	3825.3	3418.8
-45°	7398.4	6555.2	5730.8	5430.0	5107.6	4799.8	4486.0	4147.5	3790.3	3418.8	3034.7
-47.5°	5597.8	5363.4	5105.9	4853.2	4592.6	4312.2	4006.8	3685.9	3349.9	3005.3	2692.9
-50°	4941.6	4753.6	4546.7	4319.2	4067.2	3798.5	3513.4	3213.3	2917.6	2635.0	2355.0
-52.5°	4354.7	4174.3	3975.5	3759.2	3525.5	3275.7	3014.1	2772.9	2520.2	2279.8	2038.6
-55°	3741.0	3575.0	3391.7	3191.9	2984.3	2785.0	2573.3	2362.0	2155.5	1939.9	1725.6
-57.5°	3122.4	2979.1	2834.1	2675.8	2504.8	2336.9	2165.3	1983.9	1799.8	1609.6	1415.9
-60°	2573.3	2453.8	2336.9	2209.7	2072.0	1924.9	1774.9	1616.2	1449.2	1296.5	1138.0
-62.5°	2083.6	1988.3	1885.1	1774.9	1655.6	1527.5	1398.0	1272.2	1139.7	1003.0	876.7
-65°	1621.8	1539.9	1449.2	1362.3	1268.7	1168.2	1060.9	956.2	851.8	742.2	630.8
-67.5°	1201.5	1138.0	1067.6	994.0	921.1	842.8	759.2	670.5	589.3	509.1	425.3
-70°	830.5	781.8	727.7	668.4	611.6	555.1	494.8	430.7	363.1	309.7	262.7
-72.5°	512.2	477.7	439.3	397.3	351.7	316.3	283.1	247.8	210.4	171.2	141.1
-75°	268.9	250.3	229.6	206.9	182.3	155.8	140.1	129.1	117.5	105.2	92.4
-77.5°	125.9	120.3	114.0	107.1	99.7	91.7	83.1	76.1	72.9	69.5	66.0
-80°	71.5	70.0	68.4	66.6	64.6	62.5	60.3	57.9	55.3	52.9	50.5
-82.5°	50.5	49.6	48.5	47.4	46.2	44.9	43.5	42.0	40.4	38.7	37.0
-85°	32.9	32.5	32.0	31.4	30.8	30.1	29.4	28.7	27.9	27.1	26.2
-87.5°	19.0	18.7	18.3	17.9	17.5	17.0	16.5	16.0	15.5	14.9	14.3
-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: P700005 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-3S-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°	13.6	13.0	12.3	11.6	10.9	10.1	9.3	8.5	7.7	6.9	6.1
85°	25.3	24.3	23.3	22.3	21.3	20.2	18.6	17.1	15.4	13.8	12.1
82.5°	35.2	33.6	32.1	30.6	29.0	27.4	25.7	24.0	22.3	20.5	18.2
80°	48.1	45.6	42.9	40.2	37.4	34.6	32.4	30.1	27.8	25.4	23.1
77.5°	62.4	58.6	54.7	51.2	47.7	44.1	40.4	36.6	33.3	30.3	27.3
75°	79.1	73.2	68.5	63.6	58.6	53.5	49.1	44.6	40.0	35.3	31.6
72.5°	125.5	109.3	92.5	76.5	70.6	64.6	58.4	52.5	47.1	41.7	36.2
70°	213.7	162.8	133.8	114.0	93.7	75.7	68.7	61.5	54.2	48.0	41.7
67.5°	338.8	281.5	222.3	161.2	129.6	106.1	82.1	70.7	62.5	54.2	47.1
65°	533.7	433.0	333.0	265.2	195.6	138.9	112.3	85.2	70.7	61.5	52.5
62.5°	745.5	616.0	501.5	383.7	291.2	212.8	142.1	112.3	82.1	68.7	58.4
60°	979.0	830.5	677.5	542.9	411.2	299.8	212.8	138.9	106.1	75.7	64.6
57.5°	1237.1	1052.4	882.0	711.6	556.8	411.2	291.2	195.6	129.6	93.7	70.6
55°	1503.9	1297.1	1092.1	899.2	711.6	542.9	383.7	265.2	161.2	114.0	76.5
52.5°	1795.9	1550.4	1317.1	1092.1	882.0	677.5	501.5	333.0	222.3	133.8	92.5
50°	2088.3	1819.4	1550.4	1297.1	1052.4	830.5	616.0	433.0	281.5	162.8	109.3
47.5°	2380.2	2088.3	1795.9	1503.9	1237.1	979.0	745.5	533.7	338.8	213.7	125.5
45°	2692.9	2355.0	2038.6	1725.6	1415.9	1138.0	876.7	630.8	425.3	262.7	141.1
42.5°	3005.3	2635.0	2279.8	1939.9	1609.6	1296.5	1003.0	742.2	509.1	309.7	171.2
40°	3349.9	2917.6	2520.2	2155.5	1799.8	1449.2	1139.7	851.8	589.3	363.1	210.4
37.5°	3685.9	3213.3	2772.9	2362.0	1983.9	1616.2	1272.2	956.2	670.5	430.7	247.8
35°	4006.8	3513.4	3014.1	2573.3	2165.3	1774.9	1398.0	1060.9	759.2	494.8	283.1
32.5°	4312.2	3798.5	3275.7	2785.0	2336.9	1924.9	1527.5	1168.2	842.8	555.1	316.3
30°	4592.6	4067.2	3525.5	2984.3	2504.8	2072.0	1655.6	1268.7	921.1	611.6	351.7
27.5°	4853.2	4319.2	3759.2	3191.9	2675.8	2209.7	1774.9	1362.3	994.0	668.4	397.3
25°	5105.9	4546.7	3975.5	3391.7	2834.1	2336.9	1885.1	1449.2	1067.6	727.7	439.3
22.5°	5363.4	4753.6	4174.3	3575.0	2979.1	2453.8	1988.3	1539.9	1138.0	781.8	477.7
20°	5597.8	4941.6	4354.7	3741.0	3122.4	2573.3	2083.6	1621.8	1201.5	830.5	512.2
17.5°	5887.4	5122.0	4510.7	3888.8	3257.8	2679.8	2168.5	1694.6	1257.9	873.9	542.9
15°	6502.0	5292.0	4646.3	4018.3	3376.4	2772.9	2242.7	1758.1	1307.1	911.6	569.7
12.5°	7028.5	5437.4	4762.3	4128.8	3477.5	2852.3	2305.9	1812.3	1349.1	943.8	592.4
10°	7463.9	5557.5	4858.0	4219.9	3560.7	2917.6	2357.8	1856.8	1383.5	970.2	611.1
7.5°	7805.5	5651.7	4932.9	4291.2	3625.9	2968.7	2398.4	1891.5	1410.4	990.8	625.7
5°	8051.1	5719.3	4986.7	4342.4	3672.6	3005.3	2427.6	1916.4	1429.7	1005.6	636.1
2.5°	8199.2	5760.1	5019.1	4373.2	3700.7	3027.3	2445.1	1931.4	1441.2	1014.4	642.4
0°	8248.6	5773.7	5029.9	4383.5	3710.1	3034.7	2450.9	1936.4	1445.1	1017.4	644.5
-2.5°	8199.2	5760.1	5019.1	4373.2	3700.7	3027.3	2445.1	1931.4	1441.2	1014.4	642.4
-5°	8051.1	5719.3	4986.7	4342.4	3672.6	3005.3	2427.6	1916.4	1429.7	1005.6	636.1
-7.5°	7805.5	5651.7	4932.9	4291.2	3625.9	2968.7	2398.4	1891.5	1410.4	990.8	625.7
-10°	7463.9	5557.5	4858.0	4219.9	3560.7	2917.6	2357.8	1856.8	1383.5	970.2	611.1
-12.5°	7028.5	5437.4	4762.3	4128.8	3477.5	2852.3	2305.9	1812.3	1349.1	943.8	592.4
-15°	6502.0	5292.0	4646.3	4018.3	3376.4	2772.9	2242.7	1758.1	1307.1	911.6	569.7
-17.5°	5887.4	5122.0	4510.7	3888.8	3257.8	2679.8	2168.5	1694.6	1257.9	873.9	542.9
-20°	5597.8	4941.6	4354.7	3741.0	3122.4	2573.3	2083.6	1621.8	1201.5	830.5	512.2



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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°	5363.4	4753.6	4174.3	3575.0	2979.1	2453.8	1988.3	1539.9	1138.0	781.8	477.7
-25°	5105.9	4546.7	3975.5	3391.7	2834.1	2336.9	1885.1	1449.2	1067.6	727.7	439.3
-27.5°	4853.2	4319.2	3759.2	3191.9	2675.8	2209.7	1774.9	1362.3	994.0	668.4	397.3
-30°	4592.6	4067.2	3525.5	2984.3	2504.8	2072.0	1655.6	1268.7	921.1	611.6	351.7
-32.5°	4312.2	3798.5	3275.7	2785.0	2336.9	1924.9	1527.5	1168.2	842.8	555.1	316.3
-35°	4006.8	3513.4	3014.1	2573.3	2165.3	1774.9	1398.0	1060.9	759.2	494.8	283.1
-37.5°	3685.9	3213.3	2772.9	2362.0	1983.9	1616.2	1272.2	956.2	670.5	430.7	247.8
-40°	3349.9	2917.6	2520.2	2155.5	1799.8	1449.2	1139.7	851.8	589.3	363.1	210.4
-42.5°	3005.3	2635.0	2279.8	1939.9	1609.6	1296.5	1003.0	742.2	509.1	309.7	171.2
-45°	2692.9	2355.0	2038.6	1725.6	1415.9	1138.0	876.7	630.8	425.3	262.7	141.1
-47.5°	2380.2	2088.3	1795.9	1503.9	1237.1	979.0	745.5	533.7	338.8	213.7	125.5
-50°	2088.3	1819.4	1550.4	1297.1	1052.4	830.5	616.0	433.0	281.5	162.8	109.3
-52.5°	1795.9	1550.4	1317.1	1092.1	882.0	677.5	501.5	333.0	222.3	133.8	92.5
-55°	1503.9	1297.1	1092.1	899.2	711.6	542.9	383.7	265.2	161.2	114.0	76.5
-57.5°	1237.1	1052.4	882.0	711.6	556.8	411.2	291.2	195.6	129.6	93.7	70.6
-60°	979.0	830.5	677.5	542.9	411.2	299.8	212.8	138.9	106.1	75.7	64.6
-62.5°	745.5	616.0	501.5	383.7	291.2	212.8	142.1	112.3	82.1	68.7	58.4
-65°	533.7	433.0	333.0	265.2	195.6	138.9	112.3	85.2	70.7	61.5	52.5
-67.5°	338.8	281.5	222.3	161.2	129.6	106.1	82.1	70.7	62.5	54.2	47.1
-70°	213.7	162.8	133.8	114.0	93.7	75.7	68.7	61.5	54.2	48.0	41.7
-72.5°	125.5	109.3	92.5	76.5	70.6	64.6	58.4	52.5	47.1	41.7	36.2
-75°	79.1	73.2	68.5	63.6	58.6	53.5	49.1	44.6	40.0	35.3	31.6
-77.5°	62.4	58.6	54.7	51.2	47.7	44.1	40.4	36.6	33.3	30.3	27.3
-80°	48.1	45.6	42.9	40.2	37.4	34.6	32.4	30.1	27.8	25.4	23.1
-82.5°	35.2	33.6	32.1	30.6	29.0	27.4	25.7	24.0	22.3	20.5	18.2
-85°	25.3	24.3	23.3	22.3	21.3	20.2	18.6	17.1	15.4	13.8	12.1
-87.5°	13.6	13.0	12.3	11.6	10.9	10.1	9.3	8.5	7.7	6.9	6.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	5.2	4.4	3.5	2.6	1.8	0.9	0.0
85°	10.4	8.7	7.0	5.3	3.5	1.8	0.0
82.5°	15.6	13.1	10.5	7.9	5.3	2.6	0.0
80°	20.6	17.4	14.0	10.5	7.0	3.5	0.0
77.5°	24.3	21.3	17.4	13.1	8.7	4.4	0.0
75°	28.0	24.3	20.6	15.6	10.4	5.2	0.0
72.5°	31.6	27.3	23.1	18.2	12.1	6.1	0.0
70°	35.3	30.3	25.4	20.5	13.8	6.9	0.0
67.5°	40.0	33.3	27.8	22.3	15.4	7.7	0.0
65°	44.6	36.6	30.1	24.0	17.1	8.5	0.0
62.5°	49.1	40.4	32.4	25.7	18.6	9.3	0.0
60°	53.5	44.1	34.6	27.4	20.2	10.1	0.0
57.5°	58.6	47.7	37.4	29.0	21.3	10.9	0.0
55°	63.6	51.2	40.2	30.6	22.3	11.6	0.0
52.5°	68.5	54.7	42.9	32.1	23.3	12.3	0.0
50°	73.2	58.6	45.6	33.6	24.3	13.0	0.0
47.5°	79.1	62.4	48.1	35.2	25.3	13.6	0.0
45°	92.4	66.0	50.5	37.0	26.2	14.3	0.0
42.5°	105.2	69.5	52.9	38.7	27.1	14.9	0.0
40°	117.5	72.9	55.3	40.4	27.9	15.5	0.0
37.5°	129.1	76.1	57.9	42.0	28.7	16.0	0.0
35°	140.1	83.1	60.3	43.5	29.4	16.5	0.0
32.5°	155.8	91.7	62.5	44.9	30.1	17.0	0.0
30°	182.3	99.7	64.6	46.2	30.8	17.5	0.0
27.5°	206.9	107.1	66.6	47.4	31.4	17.9	0.0
25°	229.6	114.0	68.4	48.5	32.0	18.3	0.0
22.5°	250.3	120.3	70.0	49.6	32.5	18.7	0.0
20°	268.9	125.9	71.5	50.5	32.9	19.0	0.0
17.5°	285.4	130.9	72.8	51.3	33.4	19.3	0.0
15°	299.8	135.2	73.9	52.0	33.7	19.5	0.0
12.5°	312.1	138.9	74.9	52.6	34.0	19.7	0.0
10°	322.1	142.0	75.7	53.1	34.3	19.9	0.0
7.5°	330.0	144.3	76.3	53.5	34.5	20.0	0.0
5°	335.6	146.0	76.7	53.8	34.6	20.1	0.0
2.5°	339.0	147.1	77.0	53.9	34.7	20.2	0.0
0°	340.1	147.4	77.1	54.0	34.7	20.2	0.0
-2.5°	339.0	147.1	77.0	53.9	34.7	20.2	0.0
-5°	335.6	146.0	76.7	53.8	34.6	20.1	0.0
-7.5°	330.0	144.3	76.3	53.5	34.5	20.0	0.0
-10°	322.1	142.0	75.7	53.1	34.3	19.9	0.0
-12.5°	312.1	138.9	74.9	52.6	34.0	19.7	0.0
-15°	299.8	135.2	73.9	52.0	33.7	19.5	0.0
-17.5°	285.4	130.9	72.8	51.3	33.4	19.3	0.0
-20°	268.9	125.9	71.5	50.5	32.9	19.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	250.3	120.3	70.0	49.6	32.5	18.7	0.0
-25°	229.6	114.0	68.4	48.5	32.0	18.3	0.0
-27.5°	206.9	107.1	66.6	47.4	31.4	17.9	0.0
-30°	182.3	99.7	64.6	46.2	30.8	17.5	0.0
-32.5°	155.8	91.7	62.5	44.9	30.1	17.0	0.0
-35°	140.1	83.1	60.3	43.5	29.4	16.5	0.0
-37.5°	129.1	76.1	57.9	42.0	28.7	16.0	0.0
-40°	117.5	72.9	55.3	40.4	27.9	15.5	0.0
-42.5°	105.2	69.5	52.9	38.7	27.1	14.9	0.0
-45°	92.4	66.0	50.5	37.0	26.2	14.3	0.0
-47.5°	79.1	62.4	48.1	35.2	25.3	13.6	0.0
-50°	73.2	58.6	45.6	33.6	24.3	13.0	0.0
-52.5°	68.5	54.7	42.9	32.1	23.3	12.3	0.0
-55°	63.6	51.2	40.2	30.6	22.3	11.6	0.0
-57.5°	58.6	47.7	37.4	29.0	21.3	10.9	0.0
-60°	53.5	44.1	34.6	27.4	20.2	10.1	0.0
-62.5°	49.1	40.4	32.4	25.7	18.6	9.3	0.0
-65°	44.6	36.6	30.1	24.0	17.1	8.5	0.0
-67.5°	40.0	33.3	27.8	22.3	15.4	7.7	0.0
-70°	35.3	30.3	25.4	20.5	13.8	6.9	0.0
-72.5°	31.6	27.3	23.1	18.2	12.1	6.1	0.0
-75°	28.0	24.3	20.6	15.6	10.4	5.2	0.0
-77.5°	24.3	21.3	17.4	13.1	8.7	4.4	0.0
-80°	20.6	17.4	14.0	10.5	7.0	3.5	0.0
-82.5°	15.6	13.1	10.5	7.9	5.3	2.6	0.0
-85°	10.4	8.7	7.0	5.3	3.5	1.8	0.0
-87.5°	5.2	4.4	3.5	2.6	1.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)