

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: P1305407 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-57-80-1S-HEG-A**

Issue Date: 2/3/2026

Test Information

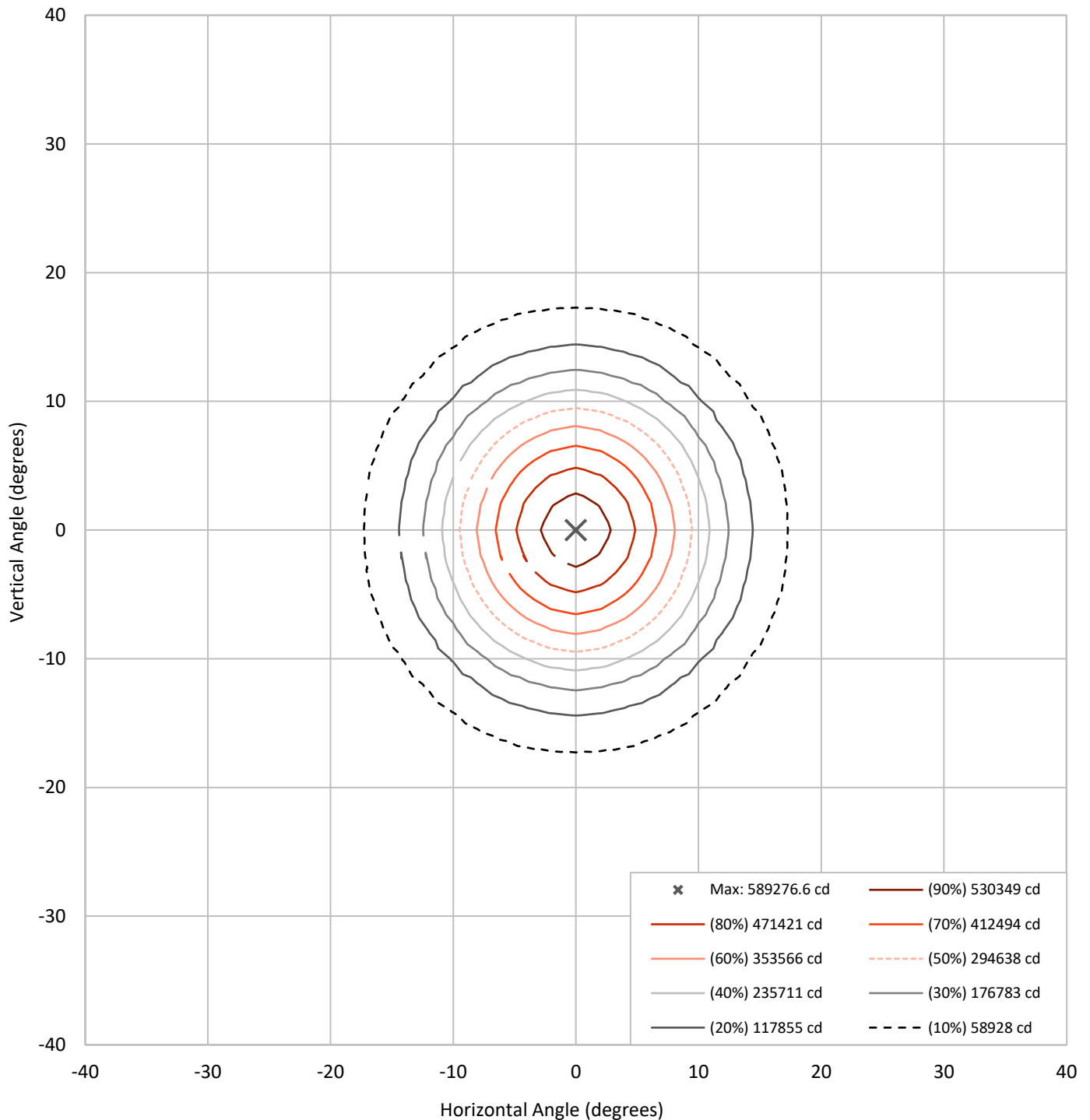
Test Method: LM-79-08
Report Number: P1305407 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-640L-57-80-1S-HEG-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	79826.6 lumens	Max Intensity:	589276.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	117.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 19°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	34406.3 lumens	Field Lumens:	63383.9 lumens
Beam Efficiency:	43.1%	Field Efficiency:	79.4%
Input Watts (W):	677		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





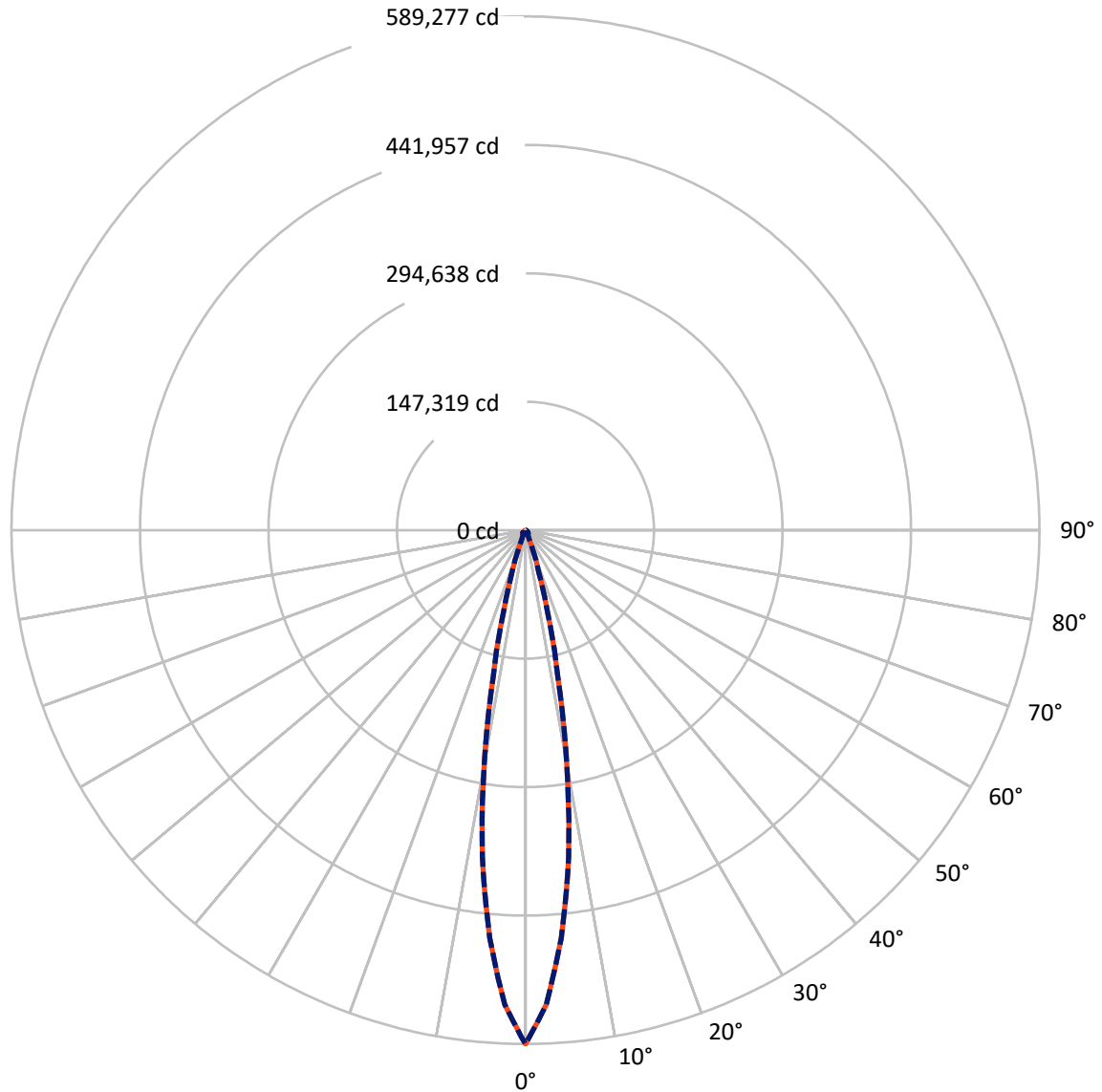
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Lumen Table

90	0.1	0.8		2.8		6.9		9.1		6.9		2.8		0.8		0.1			
80	0.1	0.8		2.8		6.9		9.1		6.9		2.8		0.8		0.1			
70	0.3	0.4	1.7	5.0	10.0	15.6	20.2	22.7	22.7	20.2	15.6	10.0	5.0	1.7	0.4	0.3			
60		1.3	5.9	14.5	24.9	33.6	39.3	42.4	42.4	39.3	33.6	24.9	14.5	5.9	1.3				
50	0.9	3.1	11.8	24.7	36.0	61.0	96.1	115.4	115.4	96.1	61.0	36.0	24.7	11.8	3.1	0.9			
40		5.4	17.6	31.1	73.7	126.0	139.2	139.5	139.5	139.2	126.0	73.7	31.1	17.6	5.4				
30	2.0	7.5	21.4	48.1	114.0	126.3	138.7	240.5	240.5	138.7	126.3	114.0	48.1	21.4	7.5	2.0			
20		9.1	23.5	71.3	118.0	130.4	762.3	2846.5	2846.5	762.3	130.4	118.0	71.3	23.5	9.1				
10	2.5	9.9	24.6	82.8	114.5	221.3	2777.6	10930.8	10930.8	2777.6	221.3	114.5	82.8	24.6	9.9	2.5			
0		9.9	24.6	82.8	114.5	221.3	2777.6	10930.8	10930.8	2777.6	221.3	114.5	82.8	24.6	9.9				
-10	2.0	9.1	23.5	71.3	118.0	130.4	762.3	2846.5	2846.5	762.3	130.4	118.0	71.3	23.5	9.1	2.0			
-20		7.5	21.4	48.1	114.0	126.3	138.7	240.5	240.5	138.7	126.3	114.0	48.1	21.4	7.5				
-30	0.9	5.4	17.6	31.1	73.7	126.0	139.2	139.5	139.5	139.2	126.0	73.7	31.1	17.6	5.4	0.9			
-40		3.1	11.8	24.7	36.0	61.0	96.1	115.4	115.4	96.1	61.0	36.0	24.7	11.8	3.1				
-50	0.3	1.3	5.9	14.5	24.9	33.6	39.3	42.4	42.4	39.3	33.6	24.9	14.5	5.9	1.3	0.3			
-60		0.4	1.7	5.0	10.0	15.6	20.2	22.7	22.7	20.2	15.6	10.0	5.0	1.7	0.4				
-70	0.1	0.8		2.8		6.9		9.1		6.9		2.8		0.8		0.1			
-80		0.8		2.8		6.9		9.1		6.9		2.8		0.8					
-90	0.1	0.8		2.8		6.9		9.1		6.9		2.8		0.8		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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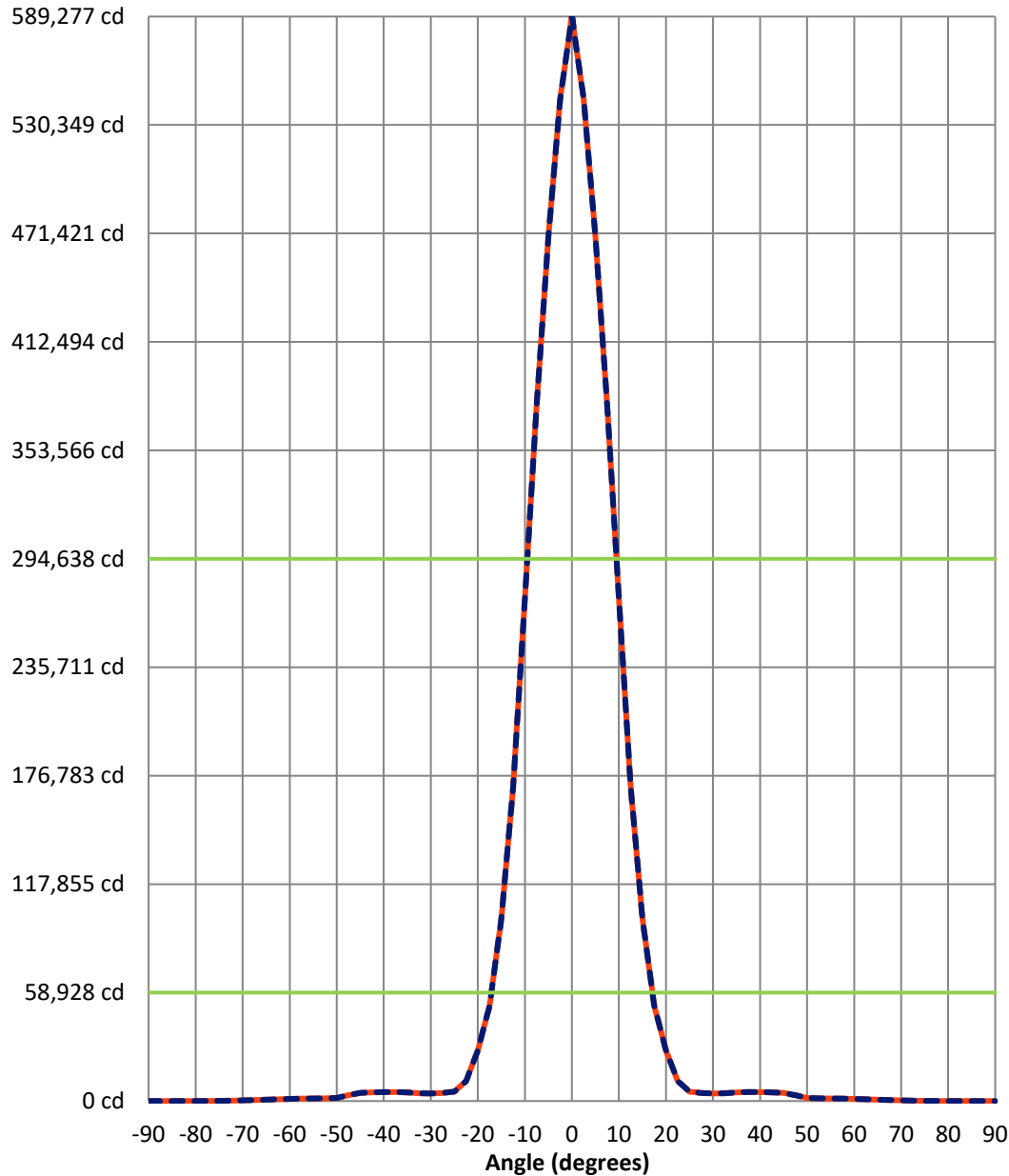
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 19°
 V Angle: 19°
 Lumens: 34406.3
 Efficiency: 43.1%

Field:
 H Angle: 34.3°
 V Angle: 34.3°
 Lumens: 63383.9
 Efficiency: 79.4%

Spill:
 Lumens: 16442.7
 Efficiency: 20.6%

— 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	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4
85°	0.0	0.5	1.0	1.5	1.9	2.4	2.9	3.4	3.8	4.3	4.7
82.5°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.0	5.7	6.2	6.7
80°	0.0	1.0	1.9	2.9	3.9	4.8	5.7	6.4	7.2	7.9	8.5
77.5°	0.0	1.2	2.4	3.6	4.8	5.9	6.8	7.7	8.6	9.5	10.7
75°	0.0	1.4	2.9	4.3	5.7	6.8	7.9	9.0	10.2	12.2	14.2
72.5°	0.0	1.7	3.4	5.0	6.4	7.7	9.0	10.5	12.9	15.3	17.6
70°	0.0	1.9	3.8	5.7	7.2	8.6	10.2	12.9	15.7	18.4	21.5
67.5°	0.0	2.1	4.3	6.2	7.9	9.5	12.2	15.3	18.4	21.9	25.5
65°	0.0	2.4	4.7	6.7	8.5	10.7	14.2	17.6	21.5	25.5	30.2
62.5°	0.0	2.6	5.2	7.2	9.2	12.4	16.2	20.2	24.6	29.4	36.7
60°	0.0	2.8	5.6	7.7	9.9	14.0	18.1	22.8	27.6	35.2	43.2
57.5°	0.0	3.0	5.9	8.2	11.1	15.5	20.3	25.4	32.2	40.9	59.3
55°	0.0	3.2	6.2	8.7	12.3	17.1	22.4	27.9	37.1	49.3	79.7
52.5°	0.0	3.4	6.5	9.1	13.5	18.6	24.5	31.9	41.9	67.1	99.5
50°	0.0	3.6	6.8	9.6	14.6	20.3	26.5	36.0	49.7	84.5	136.9
47.5°	0.0	3.8	7.1	10.1	15.7	21.9	28.7	39.9	64.6	101.2	175.2
45°	0.0	4.0	7.4	10.9	16.8	23.5	31.9	43.7	78.9	134.0	212.1
42.5°	0.0	4.1	7.6	11.7	17.8	25.0	35.0	52.2	92.7	165.8	258.3
40°	0.0	4.3	7.9	12.4	18.9	26.4	38.0	63.7	110.3	196.3	304.3
37.5°	0.0	4.4	8.1	13.1	20.0	27.8	40.8	74.6	136.0	228.2	348.2
35°	0.0	4.6	8.3	13.7	21.0	29.6	43.4	84.9	160.4	265.5	391.4
32.5°	0.0	4.7	8.6	14.3	21.9	31.7	47.6	94.6	183.3	300.6	434.6
30°	0.0	4.8	8.7	14.9	22.9	33.7	55.4	106.0	204.8	333.5	475.1
27.5°	0.0	5.0	8.9	15.4	23.7	35.5	62.6	123.3	227.4	364.1	512.8
25°	0.0	5.1	9.1	15.9	24.5	37.1	69.3	139.3	252.2	394.1	547.8
22.5°	0.0	5.2	9.2	16.4	25.2	38.6	75.3	153.9	274.9	422.4	586.1
20°	0.0	5.3	9.4	16.8	25.8	40.0	80.8	167.0	295.4	448.0	620.7
17.5°	0.0	5.3	9.5	17.1	26.3	41.2	85.6	178.7	313.6	470.7	651.4
15°	0.0	5.4	9.6	17.4	26.8	42.3	89.8	188.9	329.5	490.6	678.2
12.5°	0.0	5.5	9.7	17.7	27.3	43.2	93.4	197.5	343.0	507.4	701.1
10°	0.0	5.5	9.8	17.9	27.6	43.9	96.3	204.6	354.1	521.3	719.9
7.5°	0.0	5.6	9.8	18.1	27.9	44.5	98.6	210.2	362.7	532.1	734.6
5°	0.0	5.6	9.9	18.2	28.0	44.9	100.3	214.1	368.9	539.9	745.1
2.5°	0.0	5.6	9.9	18.3	28.2	45.1	101.3	216.5	372.7	544.5	751.4
0°	0.0	5.6	9.9	18.3	28.2	45.1	101.3	216.5	372.7	544.5	751.4
-2.5°	0.0	5.6	9.9	18.3	28.2	45.1	101.3	216.5	372.7	544.5	751.4
-5°	0.0	5.6	9.9	18.2	28.0	44.9	100.3	214.1	368.9	539.9	745.1
-7.5°	0.0	5.6	9.8	18.1	27.9	44.5	98.6	210.2	362.7	532.1	734.6
-10°	0.0	5.5	9.8	17.9	27.6	43.9	96.3	204.6	354.1	521.3	719.9
-12.5°	0.0	5.5	9.7	17.7	27.3	43.2	93.4	197.5	343.0	507.4	701.1
-15°	0.0	5.4	9.6	17.4	26.8	42.3	89.8	188.9	329.5	490.6	678.2
-17.5°	0.0	5.3	9.5	17.1	26.3	41.2	85.6	178.7	313.6	470.7	651.4
-20°	0.0	5.3	9.4	16.8	25.8	40.0	80.8	167.0	295.4	448.0	620.7



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.2	9.2	16.4	25.2	38.6	75.3	153.9	274.9	422.4	586.1
-25°	0.0	5.1	9.1	15.9	24.5	37.1	69.3	139.3	252.2	394.1	547.8
-27.5°	0.0	5.0	8.9	15.4	23.7	35.5	62.6	123.3	227.4	364.1	512.8
-30°	0.0	4.8	8.7	14.9	22.9	33.7	55.4	106.0	204.8	333.5	475.1
-32.5°	0.0	4.7	8.6	14.3	21.9	31.7	47.6	94.6	183.3	300.6	434.6
-35°	0.0	4.6	8.3	13.7	21.0	29.6	43.4	84.9	160.4	265.5	391.4
-37.5°	0.0	4.4	8.1	13.1	20.0	27.8	40.8	74.6	136.0	228.2	348.2
-40°	0.0	4.3	7.9	12.4	18.9	26.4	38.0	63.7	110.3	196.3	304.3
-42.5°	0.0	4.1	7.6	11.7	17.8	25.0	35.0	52.2	92.7	165.8	258.3
-45°	0.0	4.0	7.4	10.9	16.8	23.5	31.9	43.7	78.9	134.0	212.1
-47.5°	0.0	3.8	7.1	10.1	15.7	21.9	28.7	39.9	64.6	101.2	175.2
-50°	0.0	3.6	6.8	9.6	14.6	20.3	26.5	36.0	49.7	84.5	136.9
-52.5°	0.0	3.4	6.5	9.1	13.5	18.6	24.5	31.9	41.9	67.1	99.5
-55°	0.0	3.2	6.2	8.7	12.3	17.1	22.4	27.9	37.1	49.3	79.7
-57.5°	0.0	3.0	5.9	8.2	11.1	15.5	20.3	25.4	32.2	40.9	59.3
-60°	0.0	2.8	5.6	7.7	9.9	14.0	18.1	22.8	27.6	35.2	43.2
-62.5°	0.0	2.6	5.2	7.2	9.2	12.4	16.2	20.2	24.6	29.4	36.7
-65°	0.0	2.4	4.7	6.7	8.5	10.7	14.2	17.6	21.5	25.5	30.2
-67.5°	0.0	2.1	4.3	6.2	7.9	9.5	12.2	15.3	18.4	21.9	25.5
-70°	0.0	1.9	3.8	5.7	7.2	8.6	10.2	12.9	15.7	18.4	21.5
-72.5°	0.0	1.7	3.4	5.0	6.4	7.7	9.0	10.5	12.9	15.3	17.6
-75°	0.0	1.4	2.9	4.3	5.7	6.8	7.9	9.0	10.2	12.2	14.2
-77.5°	0.0	1.2	2.4	3.6	4.8	5.9	6.8	7.7	8.6	9.5	10.7
-80°	0.0	1.0	1.9	2.9	3.9	4.8	5.7	6.4	7.2	7.9	8.5
-82.5°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.0	5.7	6.2	6.7
-85°	0.0	0.5	1.0	1.5	1.9	2.4	2.9	3.4	3.8	4.3	4.7
-87.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-08-640L-57-80-1S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.1	4.3	4.4
85°	5.2	5.6	5.9	6.2	6.5	6.8	7.1	7.4	7.6	7.9	8.1
82.5°	7.2	7.7	8.2	8.7	9.1	9.6	10.1	10.9	11.7	12.4	13.1
80°	9.2	9.9	11.1	12.3	13.5	14.6	15.7	16.8	17.8	18.9	20.0
77.5°	12.4	14.0	15.5	17.1	18.6	20.3	21.9	23.5	25.0	26.4	27.8
75°	16.2	18.1	20.3	22.4	24.5	26.5	28.7	31.9	35.0	38.0	40.8
72.5°	20.2	22.8	25.4	27.9	31.9	36.0	39.9	43.7	52.2	63.7	74.6
70°	24.6	27.6	32.2	37.1	41.9	49.7	64.6	78.9	92.7	110.3	136.0
67.5°	29.4	35.2	40.9	49.3	67.1	84.5	101.2	134.0	165.8	196.3	228.2
65°	36.7	43.2	59.3	79.7	99.5	136.9	175.2	212.1	258.3	304.3	348.2
62.5°	43.9	64.3	87.3	118.2	162.9	206.5	259.7	314.8	367.9	423.2	476.5
60°	64.3	89.8	128.6	178.7	231.1	295.4	357.8	422.4	486.3	547.8	618.3
57.5°	87.3	128.6	184.0	245.5	317.0	388.0	462.4	534.3	615.5	695.9	773.3
55°	118.2	178.7	245.5	324.3	404.0	486.5	570.9	664.5	754.9	844.8	930.9
52.5°	162.9	231.1	317.0	404.0	494.6	590.5	694.2	796.1	896.6	991.6	1077.8
50°	206.5	295.4	388.0	486.5	590.5	704.1	816.8	928.0	1030.8	1127.1	1212.9
47.5°	259.7	357.8	462.4	570.9	694.2	816.8	938.5	1050.5	1157.0	1248.0	1334.4
45°	314.8	422.4	534.3	664.5	796.1	928.0	1050.5	1167.0	1265.7	1347.3	1377.2
42.5°	367.9	486.3	615.5	754.9	896.6	1030.8	1157.0	1265.7	1350.2	1383.2	1421.3
40°	423.2	547.8	695.9	844.8	991.6	1127.1	1248.0	1347.3	1383.2	1425.4	1471.0
37.5°	476.5	618.3	773.3	930.9	1077.8	1212.9	1334.4	1377.2	1421.3	1471.0	1607.6
35°	527.1	685.3	848.9	1009.7	1160.0	1290.0	1365.4	1409.1	1462.6	1595.1	2012.3
32.5°	580.9	748.7	920.5	1081.9	1229.0	1348.0	1391.0	1446.1	1557.8	1842.5	2882.7
30°	635.0	810.0	986.4	1149.8	1293.1	1370.5	1421.6	1496.5	1667.7	2623.0	3632.4
27.5°	685.3	867.4	1044.7	1207.4	1344.7	1391.6	1452.4	1593.1	2196.1	3333.5	4300.0
25°	731.9	920.5	1098.6	1258.8	1362.8	1416.2	1496.0	1683.3	2841.2	3919.6	4540.3
22.5°	775.1	969.0	1148.1	1305.9	1379.5	1440.6	1573.2	2165.0	3399.0	4443.3	4662.2
20°	814.9	1009.7	1189.5	1343.2	1394.6	1462.8	1643.5	2670.7	3861.3	4547.4	4744.9
17.5°	850.3	1046.0	1224.4	1355.6	1412.0	1500.8	1764.4	3124.9	4277.4	4641.3	4805.9
15°	881.2	1077.8	1254.8	1366.4	1428.0	1551.8	2133.0	3472.2	4481.1	4714.8	4859.0
12.5°	907.5	1104.8	1280.8	1375.7	1441.7	1595.4	2448.9	3762.8	4547.0	4757.9	4873.6
10°	929.2	1127.1	1302.2	1383.3	1452.9	1631.4	2710.0	4003.5	4601.6	4793.6	4885.8
7.5°	946.1	1144.5	1319.0	1389.3	1461.8	1659.6	2914.9	4192.5	4644.6	4821.8	4895.4
5°	958.3	1157.0	1331.0	1393.6	1468.1	1679.9	3062.3	4328.6	4675.6	4842.1	4902.3
2.5°	965.6	1164.5	1338.2	1396.1	1471.9	1692.1	3151.0	4410.6	4694.3	4854.4	4906.5
0°	968.0	1167.0	1340.6	1397.0	1473.2	1696.2	3180.7	4438.0	4700.5	4858.5	4907.9
-2.5°	965.6	1164.5	1338.2	1396.1	1471.9	1692.1	3151.0	4410.6	4694.3	4854.4	4906.5
-5°	958.3	1157.0	1331.0	1393.6	1468.1	1679.9	3062.3	4328.6	4675.6	4842.1	4902.3
-7.5°	946.1	1144.5	1319.0	1389.3	1461.8	1659.6	2914.9	4192.5	4644.6	4821.8	4895.4
-10°	929.2	1127.1	1302.2	1383.3	1452.9	1631.4	2710.0	4003.5	4601.6	4793.6	4885.8
-12.5°	907.5	1104.8	1280.8	1375.7	1441.7	1595.4	2448.9	3762.8	4547.0	4757.9	4873.6
-15°	881.2	1077.8	1254.8	1366.4	1428.0	1551.8	2133.0	3472.2	4481.1	4714.8	4859.0
-17.5°	850.3	1046.0	1224.4	1355.6	1412.0	1500.8	1764.4	3124.9	4277.4	4641.3	4805.9
-20°	814.9	1009.7	1189.5	1343.2	1394.6	1462.8	1643.5	2670.7	3861.3	4547.4	4744.9



REPORT NUMBER: P1305407 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-1S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	775.1	969.0	1148.1	1305.9	1379.5	1440.6	1573.2	2165.0	3399.0	4443.3	4662.2
-25°	731.9	920.5	1098.6	1258.8	1362.8	1416.2	1496.0	1683.3	2841.2	3919.6	4540.3
-27.5°	685.3	867.4	1044.7	1207.4	1344.7	1391.6	1452.4	1593.1	2196.1	3333.5	4300.0
-30°	635.0	810.0	986.4	1149.8	1293.1	1370.5	1421.6	1496.5	1667.7	2623.0	3632.4
-32.5°	580.9	748.7	920.5	1081.9	1229.0	1348.0	1391.0	1446.1	1557.8	1842.5	2882.7
-35°	527.1	685.3	848.9	1009.7	1160.0	1290.0	1365.4	1409.1	1462.6	1595.1	2012.3
-37.5°	476.5	618.3	773.3	930.9	1077.8	1212.9	1334.4	1377.2	1421.3	1471.0	1607.6
-40°	423.2	547.8	695.9	844.8	991.6	1127.1	1248.0	1347.3	1383.2	1425.4	1471.0
-42.5°	367.9	486.3	615.5	754.9	896.6	1030.8	1157.0	1265.7	1350.2	1383.2	1421.3
-45°	314.8	422.4	534.3	664.5	796.1	928.0	1050.5	1167.0	1265.7	1347.3	1377.2
-47.5°	259.7	357.8	462.4	570.9	694.2	816.8	938.5	1050.5	1157.0	1248.0	1334.4
-50°	206.5	295.4	388.0	486.5	590.5	704.1	816.8	928.0	1030.8	1127.1	1212.9
-52.5°	162.9	231.1	317.0	404.0	494.6	590.5	694.2	796.1	896.6	991.6	1077.8
-55°	118.2	178.7	245.5	324.3	404.0	486.5	570.9	664.5	754.9	844.8	930.9
-57.5°	87.3	128.6	184.0	245.5	317.0	388.0	462.4	534.3	615.5	695.9	773.3
-60°	64.3	89.8	128.6	178.7	231.1	295.4	357.8	422.4	486.3	547.8	618.3
-62.5°	43.9	64.3	87.3	118.2	162.9	206.5	259.7	314.8	367.9	423.2	476.5
-65°	36.7	43.2	59.3	79.7	99.5	136.9	175.2	212.1	258.3	304.3	348.2
-67.5°	29.4	35.2	40.9	49.3	67.1	84.5	101.2	134.0	165.8	196.3	228.2
-70°	24.6	27.6	32.2	37.1	41.9	49.7	64.6	78.9	92.7	110.3	136.0
-72.5°	20.2	22.8	25.4	27.9	31.9	36.0	39.9	43.7	52.2	63.7	74.6
-75°	16.2	18.1	20.3	22.4	24.5	26.5	28.7	31.9	35.0	38.0	40.8
-77.5°	12.4	14.0	15.5	17.1	18.6	20.3	21.9	23.5	25.0	26.4	27.8
-80°	9.2	9.9	11.1	12.3	13.5	14.6	15.7	16.8	17.8	18.9	20.0
-82.5°	7.2	7.7	8.2	8.7	9.1	9.6	10.1	10.9	11.7	12.4	13.1
-85°	5.2	5.6	5.9	6.2	6.5	6.8	7.1	7.4	7.6	7.9	8.1
-87.5°	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.1	4.3	4.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.6	4.7	4.8	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.5
85°	8.3	8.6	8.7	8.9	9.1	9.2	9.4	9.5	9.6	9.7	9.8
82.5°	13.7	14.3	14.9	15.4	15.9	16.4	16.8	17.1	17.4	17.7	17.9
80°	21.0	21.9	22.9	23.7	24.5	25.2	25.8	26.3	26.8	27.3	27.6
77.5°	29.6	31.7	33.7	35.5	37.1	38.6	40.0	41.2	42.3	43.2	43.9
75°	43.4	47.6	55.4	62.6	69.3	75.3	80.8	85.6	89.8	93.4	96.3
72.5°	84.9	94.6	106.0	123.3	139.3	153.9	167.0	178.7	188.9	197.5	204.6
70°	160.4	183.3	204.8	227.4	252.2	274.9	295.4	313.6	329.5	343.0	354.1
67.5°	265.5	300.6	333.5	364.1	394.1	422.4	448.0	470.7	490.6	507.4	521.3
65°	391.4	434.6	475.1	512.8	547.8	586.1	620.7	651.4	678.2	701.1	719.9
62.5°	527.1	580.9	635.0	685.3	731.9	775.1	814.9	850.3	881.2	907.5	929.2
60°	685.3	748.7	810.0	867.4	920.5	969.0	1009.7	1046.0	1077.8	1104.8	1127.1
57.5°	848.9	920.5	986.4	1044.7	1098.6	1148.1	1189.5	1224.4	1254.8	1280.8	1302.2
55°	1009.7	1081.9	1149.8	1207.4	1258.8	1305.9	1343.2	1355.6	1366.4	1375.7	1383.3
52.5°	1160.0	1229.0	1293.1	1344.7	1362.8	1379.5	1394.6	1412.0	1428.0	1441.7	1452.9
50°	1290.0	1348.0	1370.5	1391.6	1416.2	1440.6	1462.8	1500.8	1551.8	1595.4	1631.4
47.5°	1365.4	1391.0	1421.6	1452.4	1496.0	1573.2	1643.5	1764.4	2133.0	2448.9	2710.0
45°	1409.1	1446.1	1496.5	1593.1	1683.3	2165.0	2670.7	3124.9	3472.2	3762.8	4003.5
42.5°	1462.6	1557.8	1667.7	2196.1	2841.2	3399.0	3861.3	4277.4	4481.1	4547.0	4601.6
40°	1595.1	1842.5	2623.0	3333.5	3919.6	4443.3	4547.4	4641.3	4714.8	4757.9	4793.6
37.5°	2012.3	2882.7	3632.4	4300.0	4540.3	4662.2	4744.9	4805.9	4859.0	4873.6	4885.8
35°	2969.9	3783.5	4457.6	4606.2	4728.1	4806.8	4865.1	4885.7	4904.0	4851.6	4789.1
32.5°	3783.5	4473.9	4639.6	4759.0	4849.1	4881.9	4906.4	4810.3	4716.7	4598.5	4467.2
30°	4457.6	4639.6	4769.4	4862.3	4892.3	4848.3	4724.6	4552.3	4356.6	4216.0	4179.4
27.5°	4606.2	4759.0	4862.3	4895.8	4814.3	4669.0	4412.7	4213.7	4159.7	4112.2	4209.5
25°	4728.1	4849.1	4892.3	4814.3	4634.8	4341.5	4185.5	4120.7	4234.4	4361.2	4598.3
22.5°	4806.8	4881.9	4848.3	4669.0	4341.5	4176.0	4139.5	4310.7	4593.0	4963.5	6250.3
20°	4865.1	4906.4	4724.6	4412.7	4185.5	4139.5	4336.5	4738.0	5564.2	8708.7	12429.5
17.5°	4885.7	4810.3	4552.3	4213.7	4120.7	4310.7	4738.0	6165.3	9983.2	18260.2	26992.0
15°	4904.0	4716.7	4356.6	4159.7	4234.4	4593.0	5564.2	9983.2	20260.1	33045.0	47400.6
12.5°	4851.6	4598.5	4216.0	4112.2	4361.2	4963.5	8708.7	18260.2	33045.0	50887.3	81109.0
10°	4789.1	4467.2	4179.4	4209.5	4598.3	6250.3	12429.5	26992.0	47400.6	81109.0	122140.5
7.5°	4739.7	4363.0	4150.3	4287.8	4829.1	8232.4	18828.6	37345.4	66464.4	110851.3	171504.1
5°	4704.0	4287.5	4129.2	4344.9	4998.3	9693.7	23582.7	45301.1	84225.1	140872.6	221774.6
2.5°	4682.3	4241.6	4116.3	4379.7	5101.7	10590.2	26516.2	50250.6	95407.7	162517.7	259383.4
0°	4675.1	4226.3	4112.0	4391.4	5136.5	10892.5	27508.5	51932.3	99233.2	170730.8	272817.3
-2.5°	4682.3	4241.6	4116.3	4379.7	5101.7	10590.2	26516.2	50250.6	95407.7	162517.7	259383.4
-5°	4704.0	4287.5	4129.2	4344.9	4998.3	9693.7	23582.7	45301.1	84225.1	140872.6	221774.6
-7.5°	4739.7	4363.0	4150.3	4287.8	4829.1	8232.4	18828.6	37345.4	66464.4	110851.3	171504.1
-10°	4789.1	4467.2	4179.4	4209.5	4598.3	6250.3	12429.5	26992.0	47400.6	81109.0	122140.5
-12.5°	4851.6	4598.5	4216.0	4112.2	4361.2	4963.5	8708.7	18260.2	33045.0	50887.3	81109.0
-15°	4904.0	4716.7	4356.6	4159.7	4234.4	4593.0	5564.2	9983.2	20260.1	33045.0	47400.6
-17.5°	4885.7	4810.3	4552.3	4213.7	4120.7	4310.7	4738.0	6165.3	9983.2	18260.2	26992.0
-20°	4865.1	4906.4	4724.6	4412.7	4185.5	4139.5	4336.5	4738.0	5564.2	8708.7	12429.5



REPORT NUMBER: P1305407 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-1S-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4806.8	4881.9	4848.3	4669.0	4341.5	4176.0	4139.5	4310.7	4593.0	4963.5	6250.3
-25°	4728.1	4849.1	4892.3	4814.3	4634.8	4341.5	4185.5	4120.7	4234.4	4361.2	4598.3
-27.5°	4606.2	4759.0	4862.3	4895.8	4814.3	4669.0	4412.7	4213.7	4159.7	4112.2	4209.5
-30°	4457.6	4639.6	4769.4	4862.3	4892.3	4848.3	4724.6	4552.3	4356.6	4216.0	4179.4
-32.5°	3783.5	4473.9	4639.6	4759.0	4849.1	4881.9	4906.4	4810.3	4716.7	4598.5	4467.2
-35°	2969.9	3783.5	4457.6	4606.2	4728.1	4806.8	4865.1	4885.7	4904.0	4851.6	4789.1
-37.5°	2012.3	2882.7	3632.4	4300.0	4540.3	4662.2	4744.9	4805.9	4859.0	4873.6	4885.8
-40°	1595.1	1842.5	2623.0	3333.5	3919.6	4443.3	4547.4	4641.3	4714.8	4757.9	4793.6
-42.5°	1462.6	1557.8	1667.7	2196.1	2841.2	3399.0	3861.3	4277.4	4481.1	4547.0	4601.6
-45°	1409.1	1446.1	1496.5	1593.1	1683.3	2165.0	2670.7	3124.9	3472.2	3762.8	4003.5
-47.5°	1365.4	1391.0	1421.6	1452.4	1496.0	1573.2	1643.5	1764.4	2133.0	2448.9	2710.0
-50°	1290.0	1348.0	1370.5	1391.6	1416.2	1440.6	1462.8	1500.8	1551.8	1595.4	1631.4
-52.5°	1160.0	1229.0	1293.1	1344.7	1362.8	1379.5	1394.6	1412.0	1428.0	1441.7	1452.9
-55°	1009.7	1081.9	1149.8	1207.4	1258.8	1305.9	1343.2	1355.6	1366.4	1375.7	1383.3
-57.5°	848.9	920.5	986.4	1044.7	1098.6	1148.1	1189.5	1224.4	1254.8	1280.8	1302.2
-60°	685.3	748.7	810.0	867.4	920.5	969.0	1009.7	1046.0	1077.8	1104.8	1127.1
-62.5°	527.1	580.9	635.0	685.3	731.9	775.1	814.9	850.3	881.2	907.5	929.2
-65°	391.4	434.6	475.1	512.8	547.8	586.1	620.7	651.4	678.2	701.1	719.9
-67.5°	265.5	300.6	333.5	364.1	394.1	422.4	448.0	470.7	490.6	507.4	521.3
-70°	160.4	183.3	204.8	227.4	252.2	274.9	295.4	313.6	329.5	343.0	354.1
-72.5°	84.9	94.6	106.0	123.3	139.3	153.9	167.0	178.7	188.9	197.5	204.6
-75°	43.4	47.6	55.4	62.6	69.3	75.3	80.8	85.6	89.8	93.4	96.3
-77.5°	29.6	31.7	33.7	35.5	37.1	38.6	40.0	41.2	42.3	43.2	43.9
-80°	21.0	21.9	22.9	23.7	24.5	25.2	25.8	26.3	26.8	27.3	27.6
-82.5°	13.7	14.3	14.9	15.4	15.9	16.4	16.8	17.1	17.4	17.7	17.9
-85°	8.3	8.6	8.7	8.9	9.1	9.2	9.4	9.5	9.6	9.7	9.8
-87.5°	4.6	4.7	4.8	5.0	5.1	5.2	5.3	5.3	5.4	5.5	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: P1305407 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-1S-HEG-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.4	5.3
85°	9.8	9.9	9.9	9.9	9.9	9.9	9.8	9.8	9.7	9.6	9.5
82.5°	18.1	18.2	18.3	18.3	18.3	18.2	18.1	17.9	17.7	17.4	17.1
80°	27.9	28.0	28.2	28.2	28.2	28.0	27.9	27.6	27.3	26.8	26.3
77.5°	44.5	44.9	45.1	45.2	45.1	44.9	44.5	43.9	43.2	42.3	41.2
75°	98.6	100.3	101.3	101.6	101.3	100.3	98.6	96.3	93.4	89.8	85.6
72.5°	210.2	214.1	216.5	217.3	216.5	214.1	210.2	204.6	197.5	188.9	178.7
70°	362.7	368.9	372.7	373.9	372.7	368.9	362.7	354.1	343.0	329.5	313.6
67.5°	532.1	539.9	544.5	546.1	544.5	539.9	532.1	521.3	507.4	490.6	470.7
65°	734.6	745.1	751.4	753.5	751.4	745.1	734.6	719.9	701.1	678.2	651.4
62.5°	946.1	958.3	965.6	968.0	965.6	958.3	946.1	929.2	907.5	881.2	850.3
60°	1144.5	1157.0	1164.5	1167.0	1164.5	1157.0	1144.5	1127.1	1104.8	1077.8	1046.0
57.5°	1319.0	1331.0	1338.2	1340.6	1338.2	1331.0	1319.0	1302.2	1280.8	1254.8	1224.4
55°	1389.3	1393.6	1396.1	1397.0	1396.1	1393.6	1389.3	1383.3	1375.7	1366.4	1355.6
52.5°	1461.8	1468.1	1471.9	1473.2	1471.9	1468.1	1461.8	1452.9	1441.7	1428.0	1412.0
50°	1659.6	1679.9	1692.1	1696.2	1692.1	1679.9	1659.6	1631.4	1595.4	1551.8	1500.8
47.5°	2914.9	3062.3	3151.0	3180.7	3151.0	3062.3	2914.9	2710.0	2448.9	2133.0	1764.4
45°	4192.5	4328.6	4410.6	4438.0	4410.6	4328.6	4192.5	4003.5	3762.8	3472.2	3124.9
42.5°	4644.6	4675.6	4694.3	4700.5	4694.3	4675.6	4644.6	4601.6	4547.0	4481.1	4277.4
40°	4821.8	4842.1	4854.4	4858.5	4854.4	4842.1	4821.8	4793.6	4757.9	4714.8	4641.3
37.5°	4895.4	4902.3	4906.5	4907.9	4906.5	4902.3	4895.4	4885.8	4873.6	4859.0	4805.9
35°	4739.7	4704.0	4682.3	4675.1	4682.3	4704.0	4739.7	4789.1	4851.6	4904.0	4885.7
32.5°	4363.0	4287.5	4241.6	4226.3	4241.6	4287.5	4363.0	4467.2	4598.5	4716.7	4810.3
30°	4150.3	4129.2	4116.3	4112.0	4116.3	4129.2	4150.3	4179.4	4216.0	4356.6	4552.3
27.5°	4287.8	4344.9	4379.7	4391.4	4379.7	4344.9	4287.8	4209.5	4112.2	4159.7	4213.7
25°	4829.1	4998.3	5101.7	5136.5	5101.7	4998.3	4829.1	4598.3	4361.2	4234.4	4120.7
22.5°	8232.4	9693.7	10590.2	10892.5	10590.2	9693.7	8232.4	6250.3	4963.5	4593.0	4310.7
20°	18828.6	23582.7	26516.2	27508.5	26516.2	23582.7	18828.6	12429.5	8708.7	5564.2	4738.0
17.5°	37345.4	45301.1	50250.6	51932.3	50250.6	45301.1	37345.4	26992.0	18260.2	9983.2	6165.3
15°	66464.4	84225.1	95407.7	99233.2	95407.7	84225.1	66464.4	47400.6	33045.0	20260.1	9983.2
12.5°	110851.3	140872.6	162517.7	170730.8	162517.7	140872.6	110851.3	81109.0	50887.3	33045.0	18260.2
10°	171504.1	221774.6	259383.4	272817.3	259383.4	221774.6	171504.1	122140.5	81109.0	47400.6	26992.0
7.5°	246740.8	314306.2	361781.6	377945.6	361781.6	314306.2	246740.8	171504.1	110851.3	66464.4	37345.4
5°	314306.2	395311.2	449492.4	469535.4	449492.4	395311.2	314306.2	221774.6	140872.6	84225.1	45301.1
2.5°	361781.6	449492.4	513782.5	544266.6	513782.5	449492.4	361781.6	259383.4	162517.7	95407.7	50250.6
0°	377945.6	469535.4	544266.6	589276.6	544266.6	469535.4	377945.6	272817.3	170730.8	99233.2	51932.3
-2.5°	361781.6	449492.4	513782.5	544266.6	513782.5	449492.4	361781.6	259383.4	162517.7	95407.7	50250.6
-5°	314306.2	395311.2	449492.4	469535.4	449492.4	395311.2	314306.2	221774.6	140872.6	84225.1	45301.1
-7.5°	246740.8	314306.2	361781.6	377945.6	361781.6	314306.2	246740.8	171504.1	110851.3	66464.4	37345.4
-10°	171504.1	221774.6	259383.4	272817.3	259383.4	221774.6	171504.1	122140.5	81109.0	47400.6	26992.0
-12.5°	110851.3	140872.6	162517.7	170730.8	162517.7	140872.6	110851.3	81109.0	50887.3	33045.0	18260.2
-15°	66464.4	84225.1	95407.7	99233.2	95407.7	84225.1	66464.4	47400.6	33045.0	20260.1	9983.2
-17.5°	37345.4	45301.1	50250.6	51932.3	50250.6	45301.1	37345.4	26992.0	18260.2	9983.2	6165.3
-20°	18828.6	23582.7	26516.2	27508.5	26516.2	23582.7	18828.6	12429.5	8708.7	5564.2	4738.0



REPORT NUMBER: P1305407 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-1S-HEG-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8232.4	9693.7	10590.2	10892.5	10590.2	9693.7	8232.4	6250.3	4963.5	4593.0	4310.7
-25°	4829.1	4998.3	5101.7	5136.5	5101.7	4998.3	4829.1	4598.3	4361.2	4234.4	4120.7
-27.5°	4287.8	4344.9	4379.7	4391.4	4379.7	4344.9	4287.8	4209.5	4112.2	4159.7	4213.7
-30°	4150.3	4129.2	4116.3	4112.0	4116.3	4129.2	4150.3	4179.4	4216.0	4356.6	4552.3
-32.5°	4363.0	4287.5	4241.6	4226.3	4241.6	4287.5	4363.0	4467.2	4598.5	4716.7	4810.3
-35°	4739.7	4704.0	4682.3	4675.1	4682.3	4704.0	4739.7	4789.1	4851.6	4904.0	4885.7
-37.5°	4895.4	4902.3	4906.5	4907.9	4906.5	4902.3	4895.4	4885.8	4873.6	4859.0	4805.9
-40°	4821.8	4842.1	4854.4	4858.5	4854.4	4842.1	4821.8	4793.6	4757.9	4714.8	4641.3
-42.5°	4644.6	4675.6	4694.3	4700.5	4694.3	4675.6	4644.6	4601.6	4547.0	4481.1	4277.4
-45°	4192.5	4328.6	4410.6	4438.0	4410.6	4328.6	4192.5	4003.5	3762.8	3472.2	3124.9
-47.5°	2914.9	3062.3	3151.0	3180.7	3151.0	3062.3	2914.9	2710.0	2448.9	2133.0	1764.4
-50°	1659.6	1679.9	1692.1	1696.2	1692.1	1679.9	1659.6	1631.4	1595.4	1551.8	1500.8
-52.5°	1461.8	1468.1	1471.9	1473.2	1471.9	1468.1	1461.8	1452.9	1441.7	1428.0	1412.0
-55°	1389.3	1393.6	1396.1	1397.0	1396.1	1393.6	1389.3	1383.3	1375.7	1366.4	1355.6
-57.5°	1319.0	1331.0	1338.2	1340.6	1338.2	1331.0	1319.0	1302.2	1280.8	1254.8	1224.4
-60°	1144.5	1157.0	1164.5	1167.0	1164.5	1157.0	1144.5	1127.1	1104.8	1077.8	1046.0
-62.5°	946.1	958.3	965.6	968.0	965.6	958.3	946.1	929.2	907.5	881.2	850.3
-65°	734.6	745.1	751.4	753.5	751.4	745.1	734.6	719.9	701.1	678.2	651.4
-67.5°	532.1	539.9	544.5	546.1	544.5	539.9	532.1	521.3	507.4	490.6	470.7
-70°	362.7	368.9	372.7	373.9	372.7	368.9	362.7	354.1	343.0	329.5	313.6
-72.5°	210.2	214.1	216.5	217.3	216.5	214.1	210.2	204.6	197.5	188.9	178.7
-75°	98.6	100.3	101.3	101.6	101.3	100.3	98.6	96.3	93.4	89.8	85.6
-77.5°	44.5	44.9	45.1	45.2	45.1	44.9	44.5	43.9	43.2	42.3	41.2
-80°	27.9	28.0	28.2	28.2	28.2	28.0	27.9	27.6	27.3	26.8	26.3
-82.5°	18.1	18.2	18.3	18.3	18.3	18.2	18.1	17.9	17.7	17.4	17.1
-85°	9.8	9.9	9.9	9.9	9.9	9.9	9.8	9.8	9.7	9.6	9.5
-87.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.4	5.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.3	5.2	5.1	5.0	4.8	4.7	4.6	4.4	4.3	4.1	4.0
85°	9.4	9.2	9.1	8.9	8.7	8.6	8.3	8.1	7.9	7.6	7.4
82.5°	16.8	16.4	15.9	15.4	14.9	14.3	13.7	13.1	12.4	11.7	10.9
80°	25.8	25.2	24.5	23.7	22.9	21.9	21.0	20.0	18.9	17.8	16.8
77.5°	40.0	38.6	37.1	35.5	33.7	31.7	29.6	27.8	26.4	25.0	23.5
75°	80.8	75.3	69.3	62.6	55.4	47.6	43.4	40.8	38.0	35.0	31.9
72.5°	167.0	153.9	139.3	123.3	106.0	94.6	84.9	74.6	63.7	52.2	43.7
70°	295.4	274.9	252.2	227.4	204.8	183.3	160.4	136.0	110.3	92.7	78.9
67.5°	448.0	422.4	394.1	364.1	333.5	300.6	265.5	228.2	196.3	165.8	134.0
65°	620.7	586.1	547.8	512.8	475.1	434.6	391.4	348.2	304.3	258.3	212.1
62.5°	814.9	775.1	731.9	685.3	635.0	580.9	527.1	476.5	423.2	367.9	314.8
60°	1009.7	969.0	920.5	867.4	810.0	748.7	685.3	618.3	547.8	486.3	422.4
57.5°	1189.5	1148.1	1098.6	1044.7	986.4	920.5	848.9	773.3	695.9	615.5	534.3
55°	1343.2	1305.9	1258.8	1207.4	1149.8	1081.9	1009.7	930.9	844.8	754.9	664.5
52.5°	1394.6	1379.5	1362.8	1344.7	1293.1	1229.0	1160.0	1077.8	991.6	896.6	796.1
50°	1462.8	1440.6	1416.2	1391.6	1370.5	1348.0	1290.0	1212.9	1127.1	1030.8	928.0
47.5°	1643.5	1573.2	1496.0	1452.4	1421.6	1391.0	1365.4	1334.4	1248.0	1157.0	1050.5
45°	2670.7	2165.0	1683.3	1593.1	1496.5	1446.1	1409.1	1377.2	1347.3	1265.7	1167.0
42.5°	3861.3	3399.0	2841.2	2196.1	1667.7	1557.8	1462.6	1421.3	1383.2	1350.2	1265.7
40°	4547.4	4443.3	3919.6	3333.5	2623.0	1842.5	1595.1	1471.0	1425.4	1383.2	1347.3
37.5°	4744.9	4662.2	4540.3	4300.0	3632.4	2882.7	2012.3	1607.6	1471.0	1421.3	1377.2
35°	4865.1	4806.8	4728.1	4606.2	4457.6	3783.5	2969.9	2012.3	1595.1	1462.6	1409.1
32.5°	4906.4	4881.9	4849.1	4759.0	4639.6	4473.9	3783.5	2882.7	1842.5	1557.8	1446.1
30°	4724.6	4848.3	4892.3	4862.3	4769.4	4639.6	4457.6	3632.4	2623.0	1667.7	1496.5
27.5°	4412.7	4669.0	4814.3	4895.8	4862.3	4759.0	4606.2	4300.0	3333.5	2196.1	1593.1
25°	4185.5	4341.5	4634.8	4814.3	4892.3	4849.1	4728.1	4540.3	3919.6	2841.2	1683.3
22.5°	4139.5	4176.0	4341.5	4669.0	4848.3	4881.9	4806.8	4662.2	4443.3	3399.0	2165.0
20°	4336.5	4139.5	4185.5	4412.7	4724.6	4906.4	4865.1	4744.9	4547.4	3861.3	2670.7
17.5°	4738.0	4310.7	4120.7	4213.7	4552.3	4810.3	4885.7	4805.9	4641.3	4277.4	3124.9
15°	5564.2	4593.0	4234.4	4159.7	4356.6	4716.7	4904.0	4859.0	4714.8	4481.1	3472.2
12.5°	8708.7	4963.5	4361.2	4112.2	4216.0	4598.5	4851.6	4873.6	4757.9	4547.0	3762.8
10°	12429.5	6250.3	4598.3	4209.5	4179.4	4467.2	4789.1	4885.8	4793.6	4601.6	4003.5
7.5°	18828.6	8232.4	4829.1	4287.8	4150.3	4363.0	4739.7	4895.4	4821.8	4644.6	4192.5
5°	23582.7	9693.7	4998.3	4344.9	4129.2	4287.5	4704.0	4902.3	4842.1	4675.6	4328.6
2.5°	26516.2	10590.2	5101.7	4379.7	4116.3	4241.6	4682.3	4906.5	4854.4	4694.3	4410.6
0°	27508.5	10892.5	5136.5	4391.4	4112.0	4226.3	4675.1	4907.9	4858.5	4700.5	4438.0
-2.5°	26516.2	10590.2	5101.7	4379.7	4116.3	4241.6	4682.3	4906.5	4854.4	4694.3	4410.6
-5°	23582.7	9693.7	4998.3	4344.9	4129.2	4287.5	4704.0	4902.3	4842.1	4675.6	4328.6
-7.5°	18828.6	8232.4	4829.1	4287.8	4150.3	4363.0	4739.7	4895.4	4821.8	4644.6	4192.5
-10°	12429.5	6250.3	4598.3	4209.5	4179.4	4467.2	4789.1	4885.8	4793.6	4601.6	4003.5
-12.5°	8708.7	4963.5	4361.2	4112.2	4216.0	4598.5	4851.6	4873.6	4757.9	4547.0	3762.8
-15°	5564.2	4593.0	4234.4	4159.7	4356.6	4716.7	4904.0	4859.0	4714.8	4481.1	3472.2
-17.5°	4738.0	4310.7	4120.7	4213.7	4552.3	4810.3	4885.7	4805.9	4641.3	4277.4	3124.9
-20°	4336.5	4139.5	4185.5	4412.7	4724.6	4906.4	4865.1	4744.9	4547.4	3861.3	2670.7



REPORT NUMBER: P1305407 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-1S-HEG-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4139.5	4176.0	4341.5	4669.0	4848.3	4881.9	4806.8	4662.2	4443.3	3399.0	2165.0
-25°	4185.5	4341.5	4634.8	4814.3	4892.3	4849.1	4728.1	4540.3	3919.6	2841.2	1683.3
-27.5°	4412.7	4669.0	4814.3	4895.8	4862.3	4759.0	4606.2	4300.0	3333.5	2196.1	1593.1
-30°	4724.6	4848.3	4892.3	4862.3	4769.4	4639.6	4457.6	3632.4	2623.0	1667.7	1496.5
-32.5°	4906.4	4881.9	4849.1	4759.0	4639.6	4473.9	3783.5	2882.7	1842.5	1557.8	1446.1
-35°	4865.1	4806.8	4728.1	4606.2	4457.6	3783.5	2969.9	2012.3	1595.1	1462.6	1409.1
-37.5°	4744.9	4662.2	4540.3	4300.0	3632.4	2882.7	2012.3	1607.6	1471.0	1421.3	1377.2
-40°	4547.4	4443.3	3919.6	3333.5	2623.0	1842.5	1595.1	1471.0	1425.4	1383.2	1347.3
-42.5°	3861.3	3399.0	2841.2	2196.1	1667.7	1557.8	1462.6	1421.3	1383.2	1350.2	1265.7
-45°	2670.7	2165.0	1683.3	1593.1	1496.5	1446.1	1409.1	1377.2	1347.3	1265.7	1167.0
-47.5°	1643.5	1573.2	1496.0	1452.4	1421.6	1391.0	1365.4	1334.4	1248.0	1157.0	1050.5
-50°	1462.8	1440.6	1416.2	1391.6	1370.5	1348.0	1290.0	1212.9	1127.1	1030.8	928.0
-52.5°	1394.6	1379.5	1362.8	1344.7	1293.1	1229.0	1160.0	1077.8	991.6	896.6	796.1
-55°	1343.2	1305.9	1258.8	1207.4	1149.8	1081.9	1009.7	930.9	844.8	754.9	664.5
-57.5°	1189.5	1148.1	1098.6	1044.7	986.4	920.5	848.9	773.3	695.9	615.5	534.3
-60°	1009.7	969.0	920.5	867.4	810.0	748.7	685.3	618.3	547.8	486.3	422.4
-62.5°	814.9	775.1	731.9	685.3	635.0	580.9	527.1	476.5	423.2	367.9	314.8
-65°	620.7	586.1	547.8	512.8	475.1	434.6	391.4	348.2	304.3	258.3	212.1
-67.5°	448.0	422.4	394.1	364.1	333.5	300.6	265.5	228.2	196.3	165.8	134.0
-70°	295.4	274.9	252.2	227.4	204.8	183.3	160.4	136.0	110.3	92.7	78.9
-72.5°	167.0	153.9	139.3	123.3	106.0	94.6	84.9	74.6	63.7	52.2	43.7
-75°	80.8	75.3	69.3	62.6	55.4	47.6	43.4	40.8	38.0	35.0	31.9
-77.5°	40.0	38.6	37.1	35.5	33.7	31.7	29.6	27.8	26.4	25.0	23.5
-80°	25.8	25.2	24.5	23.7	22.9	21.9	21.0	20.0	18.9	17.8	16.8
-82.5°	16.8	16.4	15.9	15.4	14.9	14.3	13.7	13.1	12.4	11.7	10.9
-85°	9.4	9.2	9.1	8.9	8.7	8.6	8.3	8.1	7.9	7.6	7.4
-87.5°	5.3	5.2	5.1	5.0	4.8	4.7	4.6	4.4	4.3	4.1	4.0
-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: P1305407 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-1S-HEG-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.1	1.9	1.7
85°	7.1	6.8	6.5	6.2	5.9	5.6	5.2	4.7	4.3	3.8	3.4
82.5°	10.1	9.6	9.1	8.7	8.2	7.7	7.2	6.7	6.2	5.7	5.0
80°	15.7	14.6	13.5	12.3	11.1	9.9	9.2	8.5	7.9	7.2	6.4
77.5°	21.9	20.3	18.6	17.1	15.5	14.0	12.4	10.7	9.5	8.6	7.7
75°	28.7	26.5	24.5	22.4	20.3	18.1	16.2	14.2	12.2	10.2	9.0
72.5°	39.9	36.0	31.9	27.9	25.4	22.8	20.2	17.6	15.3	12.9	10.5
70°	64.6	49.7	41.9	37.1	32.2	27.6	24.6	21.5	18.4	15.7	12.9
67.5°	101.2	84.5	67.1	49.3	40.9	35.2	29.4	25.5	21.9	18.4	15.3
65°	175.2	136.9	99.5	79.7	59.3	43.2	36.7	30.2	25.5	21.5	17.6
62.5°	259.7	206.5	162.9	118.2	87.3	64.3	43.9	36.7	29.4	24.6	20.2
60°	357.8	295.4	231.1	178.7	128.6	89.8	64.3	43.2	35.2	27.6	22.8
57.5°	462.4	388.0	317.0	245.5	184.0	128.6	87.3	59.3	40.9	32.2	25.4
55°	570.9	486.5	404.0	324.3	245.5	178.7	118.2	79.7	49.3	37.1	27.9
52.5°	694.2	590.5	494.6	404.0	317.0	231.1	162.9	99.5	67.1	41.9	31.9
50°	816.8	704.1	590.5	486.5	388.0	295.4	206.5	136.9	84.5	49.7	36.0
47.5°	938.5	816.8	694.2	570.9	462.4	357.8	259.7	175.2	101.2	64.6	39.9
45°	1050.5	928.0	796.1	664.5	534.3	422.4	314.8	212.1	134.0	78.9	43.7
42.5°	1157.0	1030.8	896.6	754.9	615.5	486.3	367.9	258.3	165.8	92.7	52.2
40°	1248.0	1127.1	991.6	844.8	695.9	547.8	423.2	304.3	196.3	110.3	63.7
37.5°	1334.4	1212.9	1077.8	930.9	773.3	618.3	476.5	348.2	228.2	136.0	74.6
35°	1365.4	1290.0	1160.0	1009.7	848.9	685.3	527.1	391.4	265.5	160.4	84.9
32.5°	1391.0	1348.0	1229.0	1081.9	920.5	748.7	580.9	434.6	300.6	183.3	94.6
30°	1421.6	1370.5	1293.1	1149.8	986.4	810.0	635.0	475.1	333.5	204.8	106.0
27.5°	1452.4	1391.6	1344.7	1207.4	1044.7	867.4	685.3	512.8	364.1	227.4	123.3
25°	1496.0	1416.2	1362.8	1258.8	1098.6	920.5	731.9	547.8	394.1	252.2	139.3
22.5°	1573.2	1440.6	1379.5	1305.9	1148.1	969.0	775.1	586.1	422.4	274.9	153.9
20°	1643.5	1462.8	1394.6	1343.2	1189.5	1009.7	814.9	620.7	448.0	295.4	167.0
17.5°	1764.4	1500.8	1412.0	1355.6	1224.4	1046.0	850.3	651.4	470.7	313.6	178.7
15°	2133.0	1551.8	1428.0	1366.4	1254.8	1077.8	881.2	678.2	490.6	329.5	188.9
12.5°	2448.9	1595.4	1441.7	1375.7	1280.8	1104.8	907.5	701.1	507.4	343.0	197.5
10°	2710.0	1631.4	1452.9	1383.3	1302.2	1127.1	929.2	719.9	521.3	354.1	204.6
7.5°	2914.9	1659.6	1461.8	1389.3	1319.0	1144.5	946.1	734.6	532.1	362.7	210.2
5°	3062.3	1679.9	1468.1	1393.6	1331.0	1157.0	958.3	745.1	539.9	368.9	214.1
2.5°	3151.0	1692.1	1471.9	1396.1	1338.2	1164.5	965.6	751.4	544.5	372.7	216.5
0°	3180.7	1696.2	1473.2	1397.0	1340.6	1167.0	968.0	753.5	546.1	373.9	217.3
-2.5°	3151.0	1692.1	1471.9	1396.1	1338.2	1164.5	965.6	751.4	544.5	372.7	216.5
-5°	3062.3	1679.9	1468.1	1393.6	1331.0	1157.0	958.3	745.1	539.9	368.9	214.1
-7.5°	2914.9	1659.6	1461.8	1389.3	1319.0	1144.5	946.1	734.6	532.1	362.7	210.2
-10°	2710.0	1631.4	1452.9	1383.3	1302.2	1127.1	929.2	719.9	521.3	354.1	204.6
-12.5°	2448.9	1595.4	1441.7	1375.7	1280.8	1104.8	907.5	701.1	507.4	343.0	197.5
-15°	2133.0	1551.8	1428.0	1366.4	1254.8	1077.8	881.2	678.2	490.6	329.5	188.9
-17.5°	1764.4	1500.8	1412.0	1355.6	1224.4	1046.0	850.3	651.4	470.7	313.6	178.7
-20°	1643.5	1462.8	1394.6	1343.2	1189.5	1009.7	814.9	620.7	448.0	295.4	167.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1573.2	1440.6	1379.5	1305.9	1148.1	969.0	775.1	586.1	422.4	274.9	153.9
-25°	1496.0	1416.2	1362.8	1258.8	1098.6	920.5	731.9	547.8	394.1	252.2	139.3
-27.5°	1452.4	1391.6	1344.7	1207.4	1044.7	867.4	685.3	512.8	364.1	227.4	123.3
-30°	1421.6	1370.5	1293.1	1149.8	986.4	810.0	635.0	475.1	333.5	204.8	106.0
-32.5°	1391.0	1348.0	1229.0	1081.9	920.5	748.7	580.9	434.6	300.6	183.3	94.6
-35°	1365.4	1290.0	1160.0	1009.7	848.9	685.3	527.1	391.4	265.5	160.4	84.9
-37.5°	1334.4	1212.9	1077.8	930.9	773.3	618.3	476.5	348.2	228.2	136.0	74.6
-40°	1248.0	1127.1	991.6	844.8	695.9	547.8	423.2	304.3	196.3	110.3	63.7
-42.5°	1157.0	1030.8	896.6	754.9	615.5	486.3	367.9	258.3	165.8	92.7	52.2
-45°	1050.5	928.0	796.1	664.5	534.3	422.4	314.8	212.1	134.0	78.9	43.7
-47.5°	938.5	816.8	694.2	570.9	462.4	357.8	259.7	175.2	101.2	64.6	39.9
-50°	816.8	704.1	590.5	486.5	388.0	295.4	206.5	136.9	84.5	49.7	36.0
-52.5°	694.2	590.5	494.6	404.0	317.0	231.1	162.9	99.5	67.1	41.9	31.9
-55°	570.9	486.5	404.0	324.3	245.5	178.7	118.2	79.7	49.3	37.1	27.9
-57.5°	462.4	388.0	317.0	245.5	184.0	128.6	87.3	59.3	40.9	32.2	25.4
-60°	357.8	295.4	231.1	178.7	128.6	89.8	64.3	43.2	35.2	27.6	22.8
-62.5°	259.7	206.5	162.9	118.2	87.3	64.3	43.9	36.7	29.4	24.6	20.2
-65°	175.2	136.9	99.5	79.7	59.3	43.2	36.7	30.2	25.5	21.5	17.6
-67.5°	101.2	84.5	67.1	49.3	40.9	35.2	29.4	25.5	21.9	18.4	15.3
-70°	64.6	49.7	41.9	37.1	32.2	27.6	24.6	21.5	18.4	15.7	12.9
-72.5°	39.9	36.0	31.9	27.9	25.4	22.8	20.2	17.6	15.3	12.9	10.5
-75°	28.7	26.5	24.5	22.4	20.3	18.1	16.2	14.2	12.2	10.2	9.0
-77.5°	21.9	20.3	18.6	17.1	15.5	14.0	12.4	10.7	9.5	8.6	7.7
-80°	15.7	14.6	13.5	12.3	11.1	9.9	9.2	8.5	7.9	7.2	6.4
-82.5°	10.1	9.6	9.1	8.7	8.2	7.7	7.2	6.7	6.2	5.7	5.0
-85°	7.1	6.8	6.5	6.2	5.9	5.6	5.2	4.7	4.3	3.8	3.4
-87.5°	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.1	1.9	1.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	1.2	1.0	0.7	0.5	0.2	0.0
85°	2.9	2.4	1.9	1.5	1.0	0.5	0.0
82.5°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
80°	5.7	4.8	3.9	2.9	1.9	1.0	0.0
77.5°	6.8	5.9	4.8	3.6	2.4	1.2	0.0
75°	7.9	6.8	5.7	4.3	2.9	1.4	0.0
72.5°	9.0	7.7	6.4	5.0	3.4	1.7	0.0
70°	10.2	8.6	7.2	5.7	3.8	1.9	0.0
67.5°	12.2	9.5	7.9	6.2	4.3	2.1	0.0
65°	14.2	10.7	8.5	6.7	4.7	2.4	0.0
62.5°	16.2	12.4	9.2	7.2	5.2	2.6	0.0
60°	18.1	14.0	9.9	7.7	5.6	2.8	0.0
57.5°	20.3	15.5	11.1	8.2	5.9	3.0	0.0
55°	22.4	17.1	12.3	8.7	6.2	3.2	0.0
52.5°	24.5	18.6	13.5	9.1	6.5	3.4	0.0
50°	26.5	20.3	14.6	9.6	6.8	3.6	0.0
47.5°	28.7	21.9	15.7	10.1	7.1	3.8	0.0
45°	31.9	23.5	16.8	10.9	7.4	4.0	0.0
42.5°	35.0	25.0	17.8	11.7	7.6	4.1	0.0
40°	38.0	26.4	18.9	12.4	7.9	4.3	0.0
37.5°	40.8	27.8	20.0	13.1	8.1	4.4	0.0
35°	43.4	29.6	21.0	13.7	8.3	4.6	0.0
32.5°	47.6	31.7	21.9	14.3	8.6	4.7	0.0
30°	55.4	33.7	22.9	14.9	8.7	4.8	0.0
27.5°	62.6	35.5	23.7	15.4	8.9	5.0	0.0
25°	69.3	37.1	24.5	15.9	9.1	5.1	0.0
22.5°	75.3	38.6	25.2	16.4	9.2	5.2	0.0
20°	80.8	40.0	25.8	16.8	9.4	5.3	0.0
17.5°	85.6	41.2	26.3	17.1	9.5	5.3	0.0
15°	89.8	42.3	26.8	17.4	9.6	5.4	0.0
12.5°	93.4	43.2	27.3	17.7	9.7	5.5	0.0
10°	96.3	43.9	27.6	17.9	9.8	5.5	0.0
7.5°	98.6	44.5	27.9	18.1	9.8	5.6	0.0
5°	100.3	44.9	28.0	18.2	9.9	5.6	0.0
2.5°	101.3	45.1	28.2	18.3	9.9	5.6	0.0
0°	101.6	45.2	28.2	18.3	9.9	5.6	0.0
-2.5°	101.3	45.1	28.2	18.3	9.9	5.6	0.0
-5°	100.3	44.9	28.0	18.2	9.9	5.6	0.0
-7.5°	98.6	44.5	27.9	18.1	9.8	5.6	0.0
-10°	96.3	43.9	27.6	17.9	9.8	5.5	0.0
-12.5°	93.4	43.2	27.3	17.7	9.7	5.5	0.0
-15°	89.8	42.3	26.8	17.4	9.6	5.4	0.0
-17.5°	85.6	41.2	26.3	17.1	9.5	5.3	0.0
-20°	80.8	40.0	25.8	16.8	9.4	5.3	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	75.3	38.6	25.2	16.4	9.2	5.2	0.0
-25°	69.3	37.1	24.5	15.9	9.1	5.1	0.0
-27.5°	62.6	35.5	23.7	15.4	8.9	5.0	0.0
-30°	55.4	33.7	22.9	14.9	8.7	4.8	0.0
-32.5°	47.6	31.7	21.9	14.3	8.6	4.7	0.0
-35°	43.4	29.6	21.0	13.7	8.3	4.6	0.0
-37.5°	40.8	27.8	20.0	13.1	8.1	4.4	0.0
-40°	38.0	26.4	18.9	12.4	7.9	4.3	0.0
-42.5°	35.0	25.0	17.8	11.7	7.6	4.1	0.0
-45°	31.9	23.5	16.8	10.9	7.4	4.0	0.0
-47.5°	28.7	21.9	15.7	10.1	7.1	3.8	0.0
-50°	26.5	20.3	14.6	9.6	6.8	3.6	0.0
-52.5°	24.5	18.6	13.5	9.1	6.5	3.4	0.0
-55°	22.4	17.1	12.3	8.7	6.2	3.2	0.0
-57.5°	20.3	15.5	11.1	8.2	5.9	3.0	0.0
-60°	18.1	14.0	9.9	7.7	5.6	2.8	0.0
-62.5°	16.2	12.4	9.2	7.2	5.2	2.6	0.0
-65°	14.2	10.7	8.5	6.7	4.7	2.4	0.0
-67.5°	12.2	9.5	7.9	6.2	4.3	2.1	0.0
-70°	10.2	8.6	7.2	5.7	3.8	1.9	0.0
-72.5°	9.0	7.7	6.4	5.0	3.4	1.7	0.0
-75°	7.9	6.8	5.7	4.3	2.9	1.4	0.0
-77.5°	6.8	5.9	4.8	3.6	2.4	1.2	0.0
-80°	5.7	4.8	3.9	2.9	1.9	1.0	0.0
-82.5°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
-85°	2.9	2.4	1.9	1.5	1.0	0.5	0.0
-87.5°	1.4	1.2	1.0	0.7	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)