

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: P1305610 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-70-5S-CV2-A**

Issue Date: 2/3/2026

Test Information

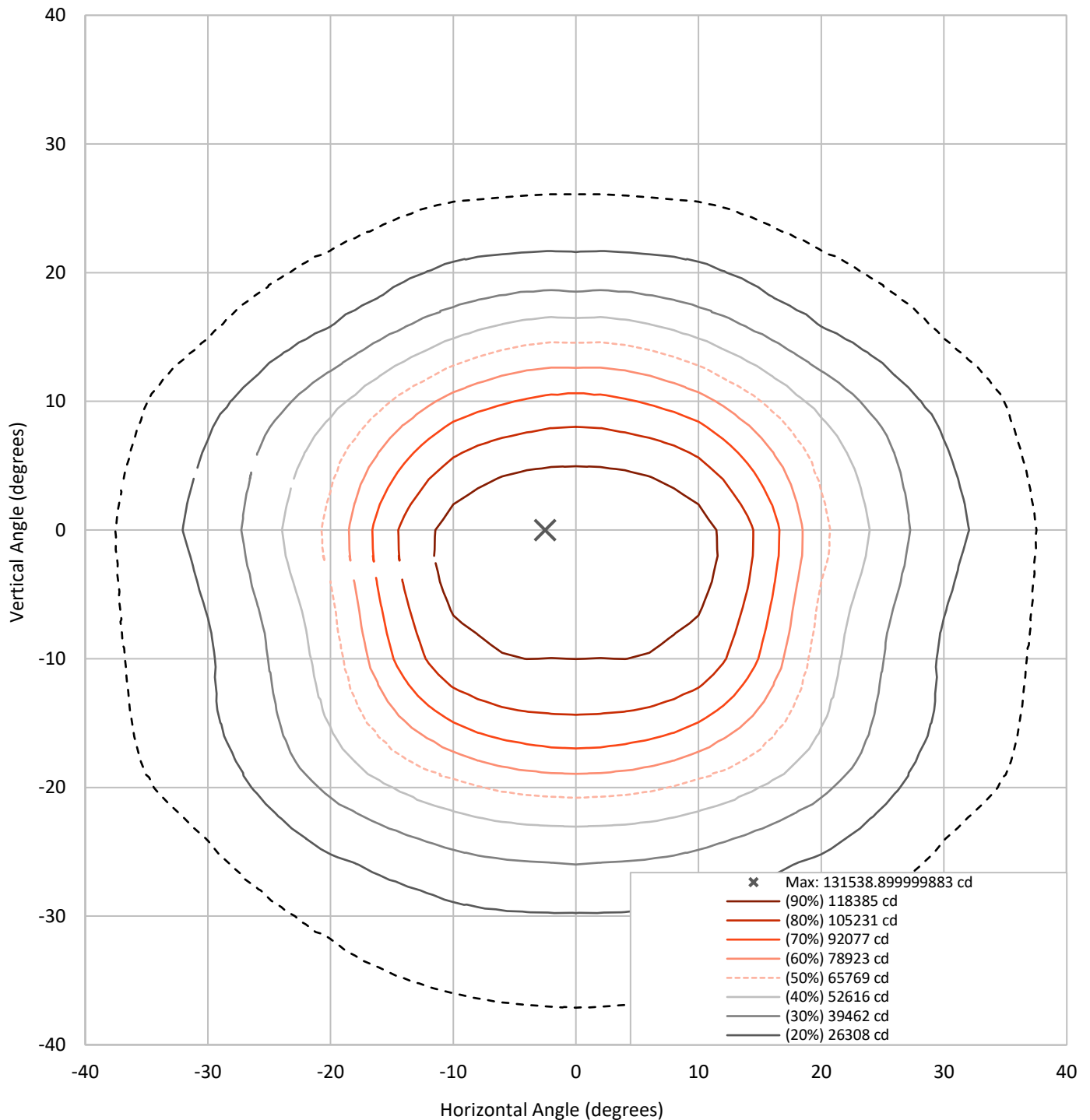
Test Method: LM-79-08
Report Number: P1305610 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-08-640L-40-70-5S-CV2-A
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	64918.1 lumens	Max Intensity:	131538.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	100.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.5°H x 35.3°V	Field Angle (10%):	75°H x 63°V
Beam Lumens:	35706.3 lumens	Field Lumens:	59472.4 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%
Input Watts (W):	648		
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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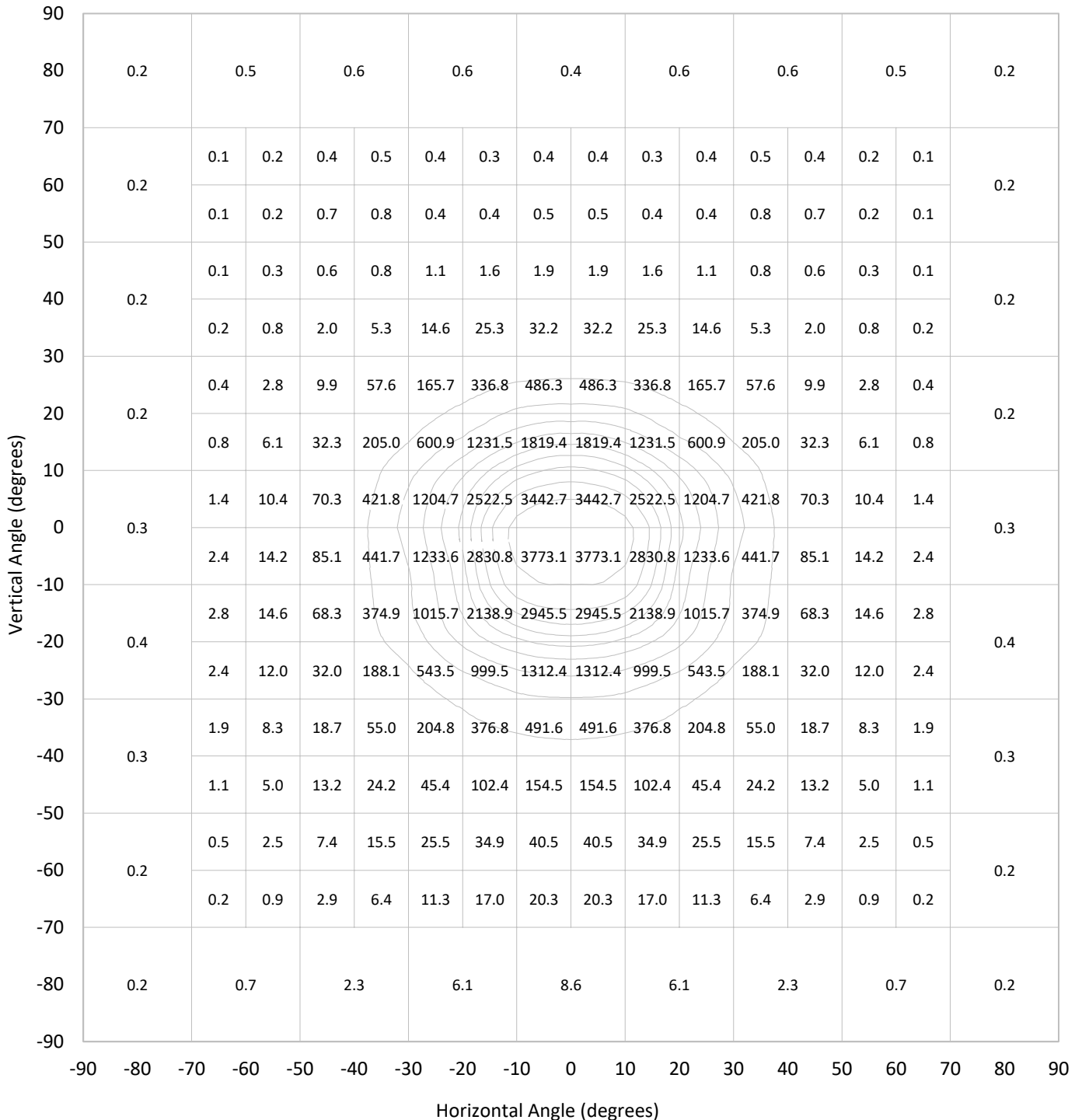
Iso-Candela Plot





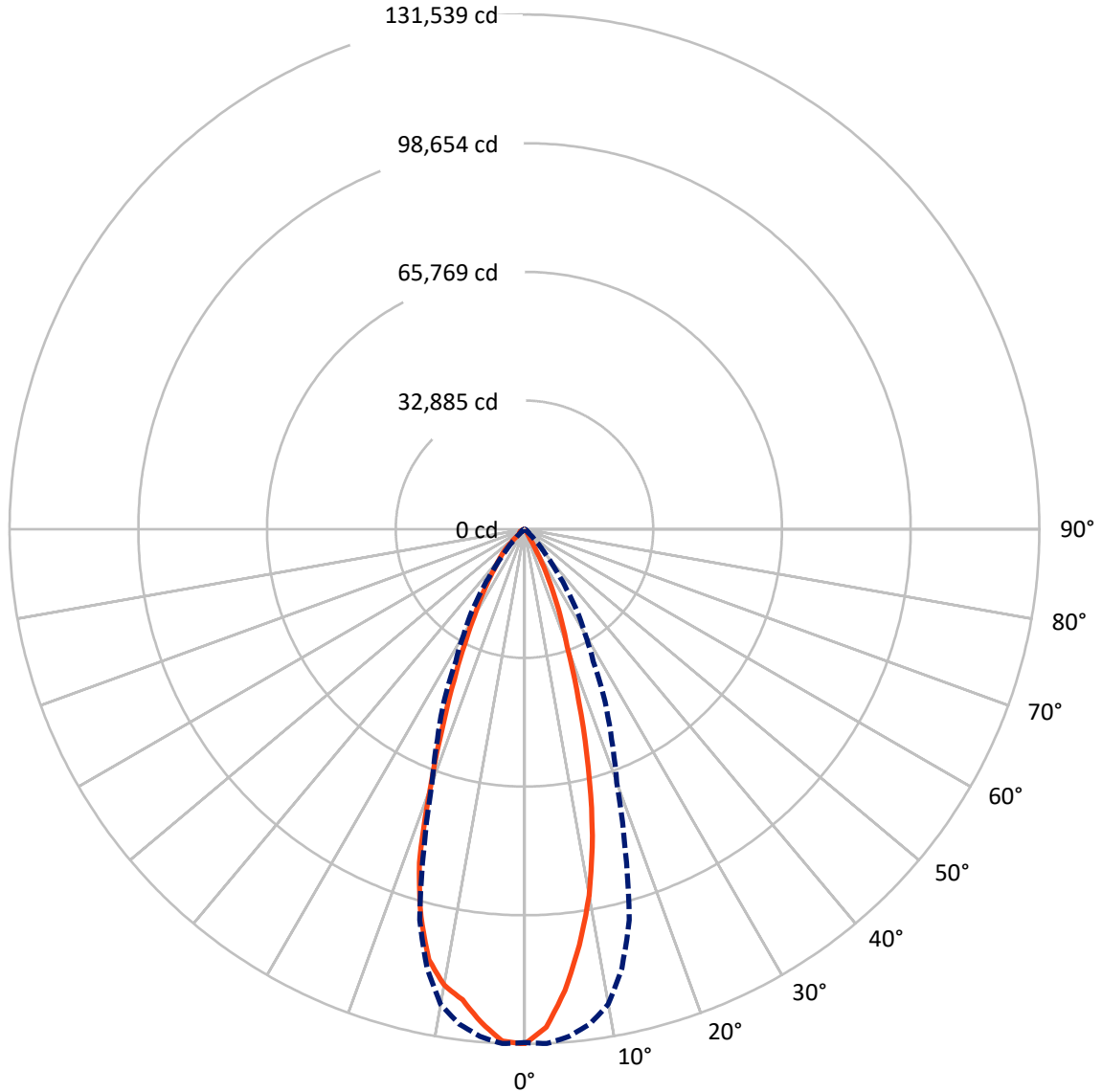
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Lumen Table



REPORT NUMBER: P1305610 (CONVERTED FROM TYPE C PHOTOMETRY)
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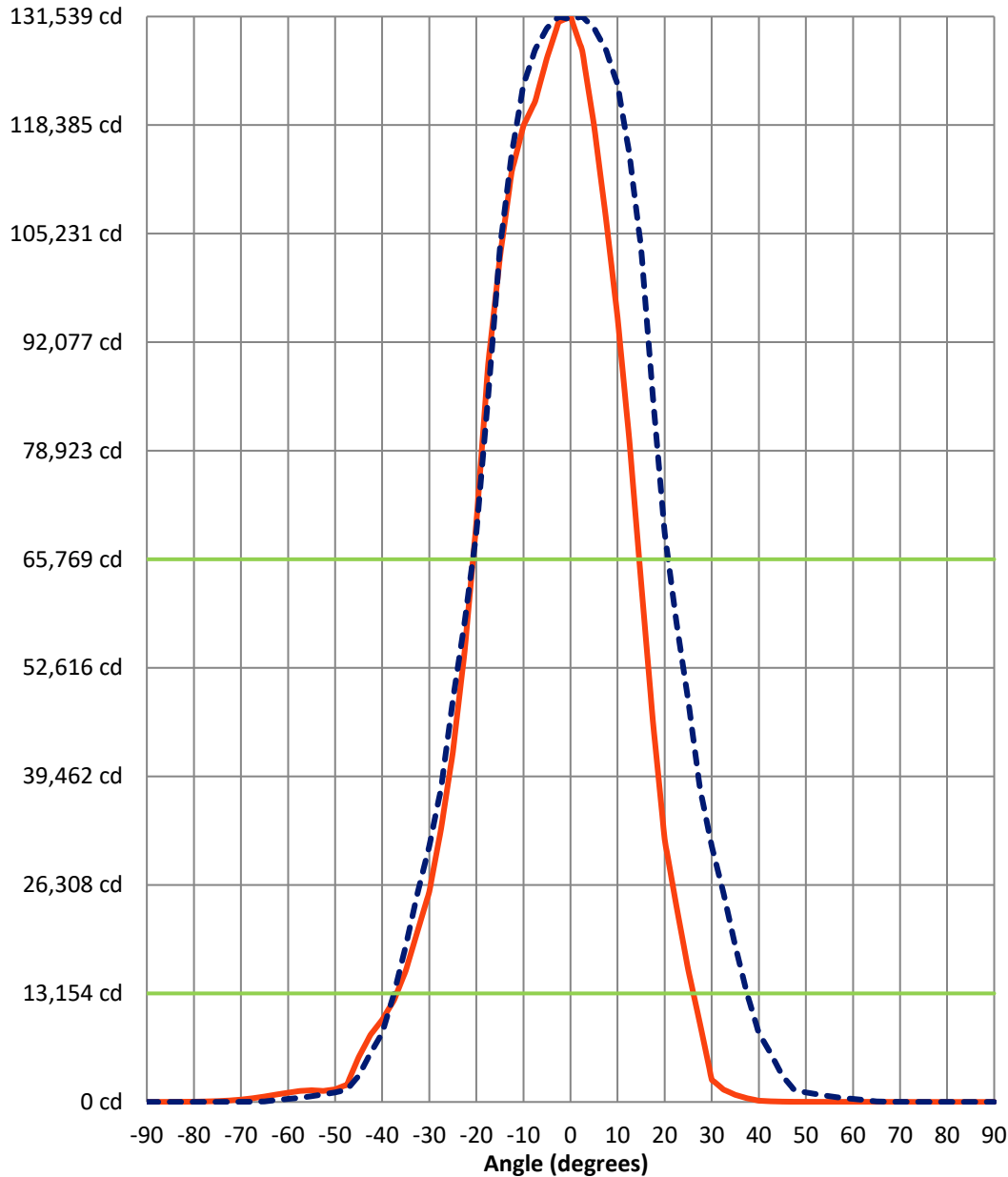
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.5°
 V Angle: 35.3°
 Lumens: 35706.3
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 59472.4
 Efficiency: 91.6%

Spill:
 Lumens: 5445.7
 Efficiency: 8.4%

— Vertical Distribution through -2.5-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°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
87.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
85°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
82.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
80°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
77.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
75°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.9	7.8
72.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.8	8.1	8.1	7.9
70°	7.7	7.7	7.7	7.7	7.7	7.7	7.8	8.3	8.5	8.4	8.5
67.5°	7.7	7.7	7.7	7.7	7.7	7.7	8.2	8.8	8.9	8.9	9.2
65°	7.7	7.7	7.7	7.7	7.7	7.9	8.7	9.3	9.2	9.3	9.6
62.5°	7.7	7.7	7.7	7.7	7.7	8.3	9.1	9.5	9.4	9.6	9.6
60°	7.7	7.7	7.7	7.7	7.7	8.6	9.6	9.6	9.6	9.6	9.6
57.5°	7.7	7.7	7.7	7.7	8.0	9.0	9.6	9.6	9.6	9.6	9.6
55°	7.7	7.7	7.7	7.7	8.2	9.3	9.6	9.6	9.6	9.6	9.6
52.5°	7.7	7.7	7.7	7.7	8.5	9.6	9.6	9.6	9.6	9.6	9.6
50°	7.7	7.7	7.7	7.7	8.8	9.6	9.6	9.6	9.6	9.6	10.2
47.5°	7.7	7.7	7.7	7.7	9.0	9.6	9.6	9.6	9.6	9.6	10.8
45°	7.7	7.7	7.7	7.9	9.3	9.6	9.6	9.6	9.7	10.1	11.4
42.5°	7.7	7.7	7.7	8.1	9.5	9.6	9.6	9.7	9.8	10.7	12.0
40°	7.7	7.7	7.7	8.2	9.6	9.6	9.6	9.8	10.1	11.2	12.6
37.5°	7.7	7.7	7.7	8.4	9.6	9.6	9.6	10.0	10.6	11.8	13.1
35°	7.7	7.7	7.7	8.4	9.6	9.6	9.6	10.2	11.2	12.5	13.6
32.5°	7.7	7.7	7.7	8.5	9.6	9.6	9.7	10.5	11.7	13.2	14.6
30°	7.7	7.7	7.7	8.6	9.6	9.6	9.9	10.8	12.2	14.0	15.7
27.5°	7.7	7.7	7.7	8.6	9.5	9.6	10.1	11.2	12.7	14.9	16.9
25°	7.7	7.7	7.7	8.6	9.5	9.6	10.3	11.6	13.4	15.8	18.4
22.5°	7.7	7.7	7.7	8.5	9.5	9.6	10.5	12.0	14.1	16.9	21.6
20°	7.7	7.7	7.7	8.5	9.5	9.6	10.8	12.4	14.7	18.1	25.0
17.5°	7.7	7.7	7.7	8.4	9.5	9.6	11.0	12.7	15.4	19.2	28.3
15°	7.7	7.7	7.7	8.4	9.5	9.6	11.1	12.9	16.1	20.4	31.7
12.5°	7.7	7.7	7.7	8.3	9.5	9.6	11.2	13.1	16.7	21.6	34.9
10°	7.7	7.7	7.7	8.2	9.5	9.6	11.3	13.2	17.3	23.4	39.3
7.5°	7.7	7.7	7.7	8.1	9.6	9.6	11.4	13.3	17.8	25.3	46.3
5°	7.7	7.7	7.7	7.9	9.6	9.6	11.5	13.3	18.3	27.2	53.5
2.5°	7.7	7.7	7.7	7.8	9.6	9.6	11.5	13.4	18.8	29.0	60.5
0°	7.7	7.7	7.7	7.7	9.6	9.6	11.5	13.4	19.2	30.7	67.1
-2.5°	7.7	7.7	7.7	7.8	9.6	10.0	12.3	15.2	24.3	42.1	86.8
-5°	7.7	7.7	7.7	7.9	9.6	10.4	13.0	16.9	29.2	52.9	105.2
-7.5°	7.7	7.7	7.7	8.1	9.6	10.8	13.7	18.5	33.7	62.8	121.9
-10°	7.7	7.7	7.7	8.2	9.5	11.1	14.3	20.0	37.6	71.6	136.5
-12.5°	7.7	7.7	7.7	8.3	9.5	11.4	14.9	21.3	40.9	79.0	146.6
-15°	7.7	7.7	7.7	8.4	9.5	11.7	15.4	22.4	44.0	85.3	153.5
-17.5°	7.7	7.7	7.7	8.4	9.5	11.8	15.8	23.9	47.0	89.9	158.2
-20°	7.7	7.7	7.7	8.5	9.5	11.9	16.3	25.6	49.0	92.7	160.3



REPORT NUMBER: P1305610 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.7	7.7	7.7	8.5	9.5	11.9	16.8	26.9	49.8	93.6	159.8
-25°	7.7	7.7	7.7	8.6	9.5	11.8	17.1	27.5	49.3	92.3	156.5
-27.5°	7.7	7.7	7.7	8.6	9.5	11.7	17.2	27.6	47.3	90.0	154.7
-30°	7.7	7.7	7.7	8.6	9.6	11.5	16.9	27.0	46.3	87.7	150.2
-32.5°	7.7	7.7	7.7	8.5	9.7	11.2	16.2	26.6	45.7	83.5	142.6
-35°	7.7	7.7	7.7	8.4	9.8	10.9	15.7	25.8	44.1	77.2	132.0
-37.5°	7.7	7.7	7.7	8.4	9.8	10.6	15.3	24.6	41.5	68.9	116.5
-40°	7.7	7.7	7.7	8.2	9.9	10.7	14.7	22.9	38.0	63.4	102.0
-42.5°	7.7	7.7	7.7	8.1	9.8	10.7	13.9	20.6	34.8	57.0	86.8
-45°	7.7	7.7	7.7	8.0	9.7	10.7	13.1	18.6	31.6	49.7	72.0
-47.5°	7.7	7.7	7.7	7.8	9.5	10.7	12.1	17.5	27.7	42.0	63.3
-50°	7.7	7.7	7.7	7.8	9.3	10.7	11.9	16.1	22.9	36.5	54.0
-52.5°	7.7	7.7	7.7	7.9	9.1	10.6	11.8	14.6	20.0	30.5	44.5
-55°	7.7	7.7	7.7	7.9	8.9	10.3	11.6	13.2	17.9	24.1	37.1
-57.5°	7.7	7.7	7.7	8.0	8.6	10.0	11.4	12.8	15.7	20.6	29.3
-60°	7.7	7.7	7.7	8.0	8.4	9.7	11.1	12.4	13.8	17.8	22.7
-62.5°	7.7	7.7	7.7	8.0	8.4	9.4	10.7	12.0	13.3	15.0	19.4
-65°	7.7	7.7	7.7	8.0	8.5	9.1	10.3	11.5	12.7	13.9	16.0
-67.5°	7.7	7.7	7.7	8.1	8.5	8.9	9.9	11.1	12.2	13.3	14.5
-70°	7.7	7.7	7.7	8.1	8.5	9.0	9.5	10.6	11.6	12.7	13.8
-72.5°	7.7	7.7	7.7	8.1	8.6	9.0	9.5	10.1	11.1	12.1	13.1
-75°	7.7	7.7	7.7	8.0	8.6	9.0	9.5	9.9	10.5	11.4	12.3
-77.5°	7.7	7.7	7.7	8.0	8.5	9.1	9.5	9.8	10.2	10.8	11.6
-80°	7.7	7.7	7.7	7.9	8.3	8.9	9.6	9.7	9.9	10.3	10.9
-82.5°	7.7	7.7	7.7	7.9	8.2	8.6	9.2	9.4	9.6	9.8	10.1
-85°	7.7	7.7	7.7	7.8	8.0	8.3	8.7	8.8	9.0	9.2	9.3
-87.5°	7.7	7.7	7.7	7.8	7.9	8.0	8.2	8.3	8.3	8.4	8.5
-90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7



REPORT NUMBER: P1305610 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7.7	7.7	7.7	7.7	7.2	6.8	6.3	5.8	5.8	5.8	5.8
87.5°	7.4	7.2	7.0	6.9	6.7	6.4	6.1	5.8	5.3	4.8	4.3
85°	7.7	7.7	7.7	7.7	7.2	6.8	6.3	5.8	5.5	5.3	5.2
82.5°	7.7	7.7	7.7	7.7	7.3	6.8	6.3	5.8	5.8	5.8	5.8
80°	7.7	7.7	7.7	7.7	7.3	6.8	6.4	5.9	5.8	5.9	5.9
77.5°	7.7	7.7	7.7	7.7	7.4	7.0	6.9	6.9	6.8	6.7	6.4
75°	7.7	7.7	7.8	7.8	7.6	7.6	7.7	7.7	7.4	6.9	6.5
72.5°	8.0	8.2	8.2	7.9	7.7	7.7	7.7	7.7	7.9	8.0	7.9
70°	8.8	8.9	8.5	8.0	7.7	7.9	8.7	9.8	10.6	10.6	10.4
67.5°	9.5	9.0	8.6	8.2	8.5	9.4	10.6	12.1	13.5	13.6	14.0
65°	9.6	9.1	8.9	9.1	9.5	11.2	12.9	14.6	18.7	21.3	22.5
62.5°	9.6	9.3	9.4	10.1	11.5	13.4	16.0	20.6	27.1	30.5	29.5
60°	9.6	9.5	10.2	11.7	13.3	15.1	19.3	25.7	34.2	40.2	36.6
57.5°	9.6	10.1	11.4	12.9	14.2	15.9	21.5	29.6	39.4	50.0	43.4
55°	9.9	10.9	12.3	13.7	15.1	16.5	22.5	31.5	42.6	49.0	42.7
52.5°	10.6	11.7	13.1	14.5	16.0	17.5	21.9	30.6	37.2	42.2	39.0
50°	11.3	12.4	13.7	15.3	17.0	18.6	19.4	26.5	31.8	34.0	33.8
47.5°	12.0	13.2	14.4	16.2	18.3	19.7	19.7	23.2	27.1	29.6	27.5
45°	12.7	13.9	15.2	17.6	19.9	21.2	22.3	21.5	27.7	29.4	28.1
42.5°	13.3	14.6	16.9	19.2	22.1	25.2	27.0	29.2	32.3	35.2	34.5
40°	13.9	15.4	19.2	23.8	25.8	31.7	37.4	40.9	42.2	44.8	44.9
37.5°	14.5	17.8	23.7	33.2	33.3	42.1	50.2	58.3	60.7	56.3	63.8
35°	15.1	20.5	35.9	47.3	49.2	55.8	69.3	81.7	89.1	84.8	91.8
32.5°	16.9	23.4	51.7	63.7	75.6	81.6	91.3	118.0	143.7	151.5	137.9
30°	19.9	37.9	69.8	81.7	109.8	128.3	134.0	170.0	223.9	270.9	363.8
27.5°	23.7	55.7	86.7	112.1	152.5	185.7	200.2	259.1	351.1	475.3	742.5
25°	27.7	74.3	104.6	150.6	208.3	246.9	270.7	353.8	508.2	904.6	1403.8
22.5°	37.5	93.4	127.2	193.6	271.4	304.9	355.0	468.3	727.5	1386.4	2214.5
20°	52.7	111.3	159.5	236.1	339.0	360.2	432.8	578.1	1027.6	2025.7	3020.5
17.5°	67.6	131.6	194.8	286.2	390.9	433.8	508.3	678.2	1279.4	2826.8	4067.0
15°	82.1	153.6	228.1	336.9	451.7	536.4	650.4	903.4	1760.6	3775.3	5452.3
12.5°	95.9	176.7	259.3	387.5	522.0	645.2	813.4	1270.6	2619.0	4883.4	7386.5
10°	108.7	200.3	288.2	436.9	599.0	757.8	982.1	1672.3	3486.4	5847.8	8918.0
7.5°	138.5	236.2	320.6	484.0	679.6	871.8	1152.5	2090.2	4269.4	6663.9	10197.7
5°	171.5	284.6	382.3	558.0	764.5	979.1	1308.6	2504.2	4955.8	7336.1	11350.4
2.5°	203.8	331.5	442.6	631.6	845.9	1072.4	1405.2	2865.2	5494.3	7904.9	12345.1
0°	233.9	375.7	500.3	699.7	920.1	1157.8	1487.5	3180.2	5904.1	8365.4	13129.0
-2.5°	270.7	423.1	564.3	764.5	945.1	1160.3	1488.8	3063.8	5993.2	8800.5	12834.9
-5°	302.5	466.2	623.7	823.3	967.3	1156.8	1476.9	2886.1	5944.0	9033.6	12597.8
-7.5°	328.1	504.7	677.2	870.2	987.9	1168.7	1505.6	2925.3	5862.2	9033.6	12449.2
-10°	342.9	515.6	677.6	867.7	1001.1	1183.9	1525.3	2856.1	5612.4	8846.5	12146.9
-12.5°	329.7	502.0	663.6	856.3	1009.5	1186.9	1518.9	2660.6	5191.2	8465.1	11769.6
-15°	314.0	485.8	643.7	835.4	1012.5	1176.6	1483.5	2325.5	4501.0	7643.8	11314.6
-17.5°	296.5	467.1	617.8	804.3	1010.0	1151.7	1397.2	1795.3	3607.6	6496.3	10270.4
-20°	277.9	446.5	585.5	762.2	996.1	1094.6	1266.1	1592.7	2846.3	5209.9	8628.7



REPORT NUMBER: P1305610 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	258.8	424.1	551.9	720.7	915.6	1025.8	1143.6	1378.7	2012.4	3763.9	6506.1
-25°	248.0	395.9	522.6	666.0	833.0	961.5	1020.4	1168.3	1485.6	2763.1	4749.9
-27.5°	243.0	369.0	486.5	609.7	757.7	894.2	937.4	1033.1	1270.1	1782.4	3208.8
-30°	234.5	332.5	446.8	555.8	691.7	813.4	876.6	937.2	1088.5	1365.5	2155.5
-32.5°	216.0	295.4	404.0	509.4	626.7	744.7	839.8	897.9	993.1	1137.8	1399.8
-35°	193.0	268.0	360.5	459.2	562.5	681.0	788.1	873.3	919.5	1019.1	1194.5
-37.5°	172.1	238.3	316.8	408.5	504.8	614.5	732.4	825.4	893.1	940.8	1066.6
-40°	150.0	206.4	279.6	360.9	447.7	547.9	656.4	764.5	850.3	921.6	977.5
-42.5°	127.5	180.7	242.5	314.2	396.3	484.1	577.3	683.3	789.8	882.6	953.0
-45°	110.0	154.0	204.9	273.6	345.9	422.6	507.0	594.7	709.1	814.2	901.9
-47.5°	91.8	128.3	175.1	232.1	298.4	366.7	437.9	525.7	620.6	724.4	824.6
-50°	75.1	107.8	145.2	196.6	253.4	313.7	377.0	457.3	544.8	633.3	724.9
-52.5°	64.1	86.6	121.3	161.6	211.8	265.7	324.0	392.5	470.1	551.1	632.2
-55°	52.6	72.1	97.8	131.8	171.2	219.5	274.3	333.8	394.8	468.5	541.4
-57.5°	42.4	59.0	79.3	104.6	137.2	173.4	224.2	277.2	333.1	390.1	450.8
-60°	32.9	46.7	63.9	83.5	105.9	137.9	174.3	220.0	269.7	319.8	370.9
-62.5°	24.1	35.3	49.3	65.6	84.1	104.2	133.5	168.0	205.2	246.9	289.8
-65°	20.2	25.1	35.2	48.8	63.7	81.1	100.2	120.7	151.0	180.7	210.4
-67.5°	16.1	20.4	25.1	31.8	44.5	58.3	73.0	90.3	108.5	125.2	144.6
-70°	14.7	15.8	19.3	23.7	28.6	36.1	48.4	61.4	74.4	86.9	101.1
-72.5°	13.8	14.6	15.7	16.9	20.6	25.1	30.1	35.6	44.0	54.0	63.9
-75°	12.9	13.4	14.0	14.9	16.0	17.3	19.0	23.1	27.4	31.7	35.9
-77.5°	12.1	12.4	12.8	13.1	13.5	14.3	15.3	16.4	17.8	19.5	21.4
-80°	11.2	11.5	11.8	12.0	12.1	12.2	12.4	12.7	13.2	13.8	14.8
-82.5°	10.3	10.5	10.8	11.0	10.7	10.5	10.2	10.1	10.4	10.7	11.0
-85°	9.5	9.6	9.7	9.9	9.6	9.2	8.9	8.5	8.6	8.7	8.8
-87.5°	8.6	8.6	8.7	8.8	8.4	8.0	7.6	7.1	7.2	7.3	7.3
-90°	7.2	6.8	6.3	5.8	5.8	5.8	5.8	5.8	5.3	4.8	4.3



REPORT NUMBER: P1305610 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.8	5.8	5.8	5.8	5.8	6.3	6.8	7.2	7.7	8.6	9.6
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.3	2.9
85°	5.1	4.8	4.5	4.2	3.8	3.8	3.8	3.8	3.8	3.3	2.9
82.5°	5.8	5.3	4.8	4.3	3.8	3.8	3.8	3.8	3.8	3.3	2.9
80°	5.8	5.5	5.3	5.1	5.1	4.9	4.6	4.2	3.8	3.4	2.9
77.5°	5.9	5.8	5.8	5.8	5.8	5.4	4.9	4.4	3.9	3.4	2.9
75°	6.0	5.9	6.0	6.0	5.9	5.6	5.5	5.4	5.4	5.1	4.7
72.5°	7.6	7.3	7.1	7.0	6.7	6.5	6.4	6.2	5.9	5.7	5.7
70°	10.3	10.1	9.9	9.6	9.2	8.8	8.5	8.1	7.5	7.3	7.5
67.5°	15.1	15.4	15.2	14.5	13.1	11.7	11.0	10.2	9.4	9.4	10.0
65°	22.1	19.3	17.6	16.0	14.7	13.6	12.9	12.2	11.4	11.6	13.3
62.5°	26.3	20.6	17.6	16.4	15.8	15.1	14.0	13.3	12.9	13.3	14.7
60°	30.6	22.2	16.5	15.5	14.5	13.5	13.4	13.4	13.4	13.6	14.2
57.5°	32.7	22.7	15.2	14.7	14.1	13.6	13.6	13.7	13.7	13.5	14.0
55°	32.0	22.8	15.7	14.9	14.8	15.0	15.0	14.2	13.7	13.4	13.9
52.5°	29.1	22.0	16.8	15.4	15.4	14.7	13.5	14.2	15.0	15.7	16.4
50°	25.9	20.7	18.0	16.8	16.8	16.9	16.9	17.9	18.9	19.5	20.3
47.5°	23.8	20.8	20.7	20.3	20.8	21.9	22.3	23.4	26.3	27.8	28.4
45°	24.0	25.5	26.6	27.5	27.4	32.9	36.8	38.9	41.4	43.8	45.7
42.5°	32.5	36.2	39.6	44.5	47.6	56.6	61.3	55.4	67.6	78.3	80.8
40°	49.8	55.1	66.9	80.0	95.8	102.6	134.5	135.9	149.8	184.4	195.7
37.5°	75.6	91.0	132.0	166.7	221.8	254.6	295.1	334.0	365.3	397.4	419.4
35°	117.8	196.2	258.0	366.2	440.3	477.7	525.9	583.5	607.8	708.9	786.2
32.5°	251.9	392.6	560.3	646.8	743.9	818.2	807.8	1047.2	1139.5	1291.4	1414.9
30°	465.6	801.7	1252.0	1252.1	1234.6	1644.0	1793.9	2103.1	2420.1	2631.3	3136.3
27.5°	1076.2	1789.6	2502.8	2517.2	2826.2	3681.1	4168.0	4314.3	5689.8	6573.2	7778.1
25°	1983.1	3157.3	4141.1	4599.0	5516.7	6909.5	7734.1	8717.3	10770.3	13109.6	14586.5
22.5°	2953.5	4204.9	5683.2	6725.8	8484.6	10276.4	11775.9	13945.4	16704.7	19315.1	21081.2
20°	3684.0	5154.1	7242.2	9432.1	11660.2	13906.4	16235.7	19216.8	22952.0	26130.7	29003.7
17.5°	5173.4	6727.8	9553.7	12532.4	15556.4	17956.2	21634.7	25210.1	29760.7	34373.3	37945.9
15°	7377.3	9882.8	12710.2	16574.0	20827.3	24499.5	28399.8	34674.3	40210.3	46138.7	51435.5
12.5°	10205.5	13526.2	17273.0	21716.4	27291.1	33054.1	39002.5	45625.2	52866.1	59987.1	67546.2
10°	12846.2	17410.0	22247.5	27714.9	34094.3	41372.1	48640.0	56144.1	66206.0	75325.4	83408.7
7.5°	14669.4	20044.5	25981.7	32664.5	40538.7	48279.3	56489.1	66692.2	78447.1	88787.9	97071.8
5°	16306.6	22397.4	28325.8	35081.6	44236.3	53083.8	62784.3	75202.9	88584.1	99924.1	108179.8
2.5°	17732.0	24286.4	30043.8	36849.7	46900.9	56106.3	66699.0	81499.1	97087.7	108446.5	117157.4
0°	18904.6	25301.4	31015.7	38025.9	48653.3	58134.4	69001.4	85460.0	103404.3	114879.0	123252.1
-2.5°	17769.4	23572.3	29212.9	36313.3	47022.8	56732.7	68478.1	85219.4	102829.6	115205.7	123851.3
-5°	16911.9	22211.1	27565.7	34591.6	44011.2	53014.7	64036.2	81253.4	99788.8	112293.9	121041.9
-7.5°	16247.3	20872.1	25740.5	32210.0	40826.8	50374.6	62191.8	78803.7	96318.4	108965.8	116892.2
-10°	15522.9	19495.9	24801.7	31322.4	39701.8	48804.1	59302.1	74668.9	92365.7	104534.4	113818.1
-12.5°	15302.2	19497.3	24841.6	30503.3	38211.0	46952.1	56961.0	70050.2	83614.5	96374.8	104516.2
-15°	14946.3	19203.5	24433.8	29758.9	36746.5	45165.1	53520.5	63193.5	74530.9	83751.0	92255.9
-17.5°	14248.6	18339.5	22270.2	27246.0	34046.9	41851.4	48182.4	55789.6	63969.3	71000.1	77415.2
-20°	12578.1	15360.3	19085.7	23778.0	29606.1	35925.8	41690.0	47178.5	52435.2	57791.4	61501.9



REPORT NUMBER: P1305610 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9624.6	12296.2	15419.8	19317.5	23937.7	29445.2	34539.1	38256.4	42437.8	46294.6	49465.6
-25°	7038.4	8995.8	11911.2	15237.1	18252.2	22663.4	26572.6	29083.1	32753.4	35636.6	38381.4
-27.5°	5089.8	7006.8	9384.2	12012.2	14272.9	16642.7	20093.6	22490.9	25377.6	27588.5	29877.9
-30°	3474.0	5585.1	7776.0	9925.7	11645.6	13435.9	15348.2	17713.0	20030.4	21887.8	23541.7
-32.5°	2409.6	3939.3	6080.4	8083.2	9637.6	11002.7	12259.3	14055.7	15789.9	17301.7	18541.4
-35°	1476.2	2561.1	4044.0	5951.2	7594.4	8906.2	10065.1	11209.3	12318.8	13456.3	14414.6
-37.5°	1249.0	1507.9	2432.0	3745.2	5310.5	6770.4	7905.6	8850.4	9687.8	10553.5	11235.0
-40°	1103.7	1258.6	1490.5	1970.9	3174.9	4388.6	5612.5	6629.4	7550.3	8318.0	8914.7
-42.5°	1008.0	1111.6	1224.5	1412.9	1636.1	2231.0	3283.6	4309.8	5308.9	6146.6	6848.8
-45°	978.2	1030.3	1091.3	1192.1	1284.5	1465.5	1660.9	1863.4	2657.6	3500.4	4242.9
-47.5°	910.6	993.9	1049.3	1092.6	1144.1	1225.9	1301.0	1396.6	1579.1	1760.0	1907.9
-50°	820.8	911.9	988.5	1062.7	1115.1	1150.9	1178.2	1227.8	1300.5	1371.2	1428.3
-52.5°	712.2	800.6	889.6	979.8	1054.2	1123.2	1187.9	1232.7	1266.6	1295.5	1310.4
-55°	613.4	687.3	761.7	852.5	942.4	1028.8	1111.8	1182.5	1248.5	1310.0	1344.9
-57.5°	516.9	580.5	646.8	728.0	807.9	886.4	966.8	1048.5	1128.3	1202.8	1246.0
-60°	424.9	481.4	541.4	606.9	676.3	748.8	818.1	887.2	955.8	1016.6	1052.2
-62.5°	334.8	382.3	431.2	482.9	537.5	594.7	652.2	710.4	768.4	817.1	847.2
-65°	243.2	281.9	319.3	357.1	395.4	438.7	484.2	528.6	571.4	604.9	626.9
-67.5°	170.1	195.1	217.9	240.2	267.4	298.2	330.9	362.8	393.5	416.6	432.1
-70°	115.5	129.4	142.0	156.5	174.3	192.7	211.9	230.4	247.9	261.4	271.7
-72.5°	73.7	83.0	91.9	101.9	111.5	122.1	133.1	143.6	153.4	160.4	165.8
-75°	39.8	44.8	52.1	58.9	65.3	73.0	80.8	88.2	95.1	98.8	101.2
-77.5°	24.4	27.7	30.8	33.8	36.7	40.8	45.4	50.1	54.7	56.8	58.3
-80°	16.0	17.5	19.1	20.7	22.3	24.8	27.4	30.0	32.5	33.3	33.8
-82.5°	11.3	11.8	12.4	13.0	13.7	15.2	16.9	18.6	20.2	21.4	22.6
-85°	8.9	9.0	9.1	9.2	9.2	10.1	11.0	12.0	13.0	13.6	14.2
-87.5°	7.4	7.4	7.4	7.5	7.5	7.6	7.6	7.7	7.7	8.2	8.7
-90°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.3	2.9



REPORT NUMBER: P1305610 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	10.5	11.5	10.6	9.6	10.6	11.5	10.5	9.6	8.6	7.7	7.2
87.5°	2.4	1.9	1.0	0.0	1.0	1.9	2.4	2.9	3.3	3.8	3.8
85°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.3	3.8	3.8
82.5°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.3	3.8	3.8
80°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.4	3.8	4.2
77.5°	2.4	1.9	2.8	3.8	2.8	1.9	2.4	2.9	3.4	3.9	4.4
75°	4.3	3.8	3.8	3.8	3.8	3.8	4.3	4.7	5.1	5.4	5.4
72.5°	5.7	5.7	5.8	5.8	5.8	5.7	5.7	5.7	5.7	5.9	6.2
70°	7.6	7.6	7.7	7.7	7.7	7.6	7.6	7.5	7.3	7.5	8.1
67.5°	10.6	11.3	11.5	11.5	11.5	11.3	10.6	10.0	9.4	9.4	10.2
65°	15.0	16.8	16.4	15.3	16.4	16.8	15.0	13.3	11.6	11.4	12.2
62.5°	15.9	17.0	17.3	17.3	17.3	17.0	15.9	14.7	13.3	12.9	13.3
60°	14.8	15.2	15.3	15.3	15.3	15.2	14.8	14.2	13.6	13.4	13.4
57.5°	14.6	15.1	15.3	15.3	15.3	15.1	14.6	14.0	13.5	13.7	13.7
55°	14.5	15.1	15.3	15.3	15.3	15.1	14.5	13.9	13.4	13.7	14.2
52.5°	16.9	17.1	17.3	17.3	17.3	17.1	16.9	16.4	15.7	15.0	14.2
50°	21.3	22.3	21.6	19.2	21.6	22.3	21.3	20.3	19.5	18.9	17.9
47.5°	28.4	27.4	26.7	26.8	26.7	27.4	28.4	28.4	27.8	26.3	23.4
45°	46.3	45.9	45.6	46.0	45.6	45.9	46.3	45.7	43.8	41.4	38.9
42.5°	83.5	83.7	82.4	80.5	82.4	83.7	83.5	80.8	78.3	67.6	55.4
40°	195.1	178.8	156.7	143.8	156.7	178.8	195.1	195.7	184.4	149.8	135.9
37.5°	439.5	452.2	453.4	444.7	453.4	452.2	439.5	419.4	397.4	365.3	334.0
35°	835.0	864.9	866.5	851.1	866.5	864.9	835.0	786.2	708.9	607.8	583.5
32.5°	1412.9	1480.2	1505.4	1499.0	1505.4	1480.2	1412.9	1414.9	1291.4	1139.5	1047.2
30°	2901.4	2921.6	2715.0	2336.7	2715.0	2921.6	2901.4	3136.3	2631.3	2420.1	2103.1
27.5°	8431.8	9210.0	9492.2	9368.0	9492.2	9210.0	8431.8	7778.1	6573.2	5689.8	4314.3
25°	15010.6	15523.3	16035.2	16094.4	16035.2	15523.3	15010.6	14586.5	13109.6	10770.3	8717.3
22.5°	22304.5	23033.2	23724.8	23566.6	23724.8	23033.2	22304.5	21081.2	19315.1	16704.7	13945.4
20°	30828.3	31330.9	31841.3	31276.4	31841.3	31330.9	30828.3	29003.7	26130.7	22952.0	19216.8
17.5°	41688.1	44054.3	46154.9	45204.8	46154.9	44054.3	41688.1	37945.9	34373.3	29760.7	25210.1
15°	56422.8	60541.2	62956.7	62828.9	62956.7	60541.2	56422.8	51435.5	46138.7	40210.3	34674.3
12.5°	73402.4	77706.2	80171.3	79661.4	80171.3	77706.2	73402.4	67546.2	59987.1	52866.1	45625.2
10°	88721.7	92101.4	95030.2	96177.5	95030.2	92101.4	88721.7	83408.7	75325.4	66206.0	56144.1
7.5°	102252.6	104770.6	107213.6	107650.3	107213.6	104770.6	102252.6	97071.8	88787.9	78447.1	66692.2
5°	113391.2	116958.6	118339.6	118887.2	118339.6	116958.6	113391.2	108179.8	99924.1	88584.1	75202.9
2.5°	122380.7	125644.1	127371.5	126861.6	127371.5	125644.1	122380.7	117157.4	108446.5	97087.7	81499.1
0°	127545.0	130128.0	131538.9	131201.5	131538.9	130128.0	127545.0	123252.1	114879.0	103404.3	85460.0
-2.5°	128054.0	129790.9	130894.4	130461.6	130894.4	129790.9	128054.0	123851.3	115205.7	102829.6	85219.4
-5°	124532.3	125945.7	126525.6	126773.4	126525.6	125945.7	124532.3	121041.9	112293.9	99788.8	81253.4
-7.5°	119679.9	121578.6	121289.9	121789.4	121289.9	121578.6	119679.9	116892.2	108965.8	96318.4	78803.7
-10°	116789.9	118542.3	118288.4	118423.3	118288.4	118542.3	116789.9	113818.1	104534.4	92365.7	74668.9
-12.5°	109777.7	112321.9	112712.5	113150.8	112712.5	112321.9	109777.7	104516.2	96374.8	83614.5	70050.2
-15°	97838.2	100633.8	102324.2	102704.6	102324.2	100633.8	97838.2	92255.9	83751.0	74530.9	63193.5
-17.5°	82748.7	86615.0	89332.9	89964.8	89332.9	86615.0	82748.7	77415.2	71000.1	63969.3	55789.6
-20°	66033.2	68800.8	70209.1	70968.1	70209.1	68800.8	66033.2	61501.9	57791.4	52435.2	47178.5



REPORT NUMBER: P1305610 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	51974.1	53801.8	54586.5	54714.6	54586.5	53801.8	51974.1	49465.6	46294.6	42437.8	38256.4
-25°	40604.2	41850.0	42384.0	43172.8	42384.0	41850.0	40604.2	38381.4	35636.6	32753.4	29083.1
-27.5°	31510.3	32605.7	33094.1	33820.2	33094.1	32605.7	31510.3	29877.9	27588.5	25377.6	22490.9
-30°	24657.4	25317.2	25482.0	25518.0	25482.0	25317.2	24657.4	23541.7	21887.8	20030.4	17713.0
-32.5°	19504.0	20247.2	20690.9	20888.7	20690.9	20247.2	19504.0	18541.4	17301.7	15789.9	14055.7
-35°	15132.3	15622.2	15913.8	16242.0	15913.8	15622.2	15132.3	14414.6	13456.3	12318.8	11209.3
-37.5°	11764.9	12128.1	12329.1	12396.7	12329.1	12128.1	11764.9	11235.0	10553.5	9687.8	8850.4
-40°	9390.7	9751.4	9967.9	10000.6	9967.9	9751.4	9390.7	8914.7	8318.0	7550.3	6629.4
-42.5°	7382.3	7831.7	8122.4	8189.1	8122.4	7831.7	7382.3	6848.8	6146.6	5308.9	4309.8
-45°	4786.0	5204.3	5425.7	5411.5	5425.7	5204.3	4786.0	4242.9	3500.4	2657.6	1863.4
-47.5°	2002.4	2069.8	2098.7	2089.4	2098.7	2069.8	2002.4	1907.9	1760.0	1579.1	1396.6
-50°	1473.3	1511.6	1532.6	1537.4	1532.6	1511.6	1473.3	1428.3	1371.2	1300.5	1227.8
-52.5°	1323.1	1337.1	1342.0	1341.8	1342.0	1337.1	1323.1	1310.4	1295.5	1266.6	1232.7
-55°	1377.4	1408.3	1420.4	1420.4	1420.4	1408.3	1377.4	1344.9	1310.0	1248.5	1182.5
-57.5°	1285.2	1319.9	1335.8	1339.9	1335.8	1319.9	1285.2	1246.0	1202.8	1128.3	1048.5
-60°	1084.3	1112.1	1124.3	1127.1	1124.3	1112.1	1084.3	1052.2	1016.6	955.8	887.2
-62.5°	873.0	894.1	900.6	899.0	900.6	894.1	873.0	847.2	817.1	768.4	710.4
-65°	645.2	659.7	660.9	655.6	660.9	659.7	645.2	626.9	604.9	571.4	528.6
-67.5°	444.5	453.8	454.2	450.5	454.2	453.8	444.5	432.1	416.6	393.5	362.8
-70°	280.4	287.4	287.8	285.6	287.8	287.4	280.4	271.7	261.4	247.9	230.4
-72.5°	170.5	174.3	177.7	180.2	177.7	174.3	170.5	165.8	160.4	153.4	143.6
-75°	103.1	104.4	104.2	103.5	104.2	104.4	103.1	101.2	98.8	95.1	88.2
-77.5°	59.6	60.8	63.1	65.2	63.1	60.8	59.6	58.3	56.8	54.7	50.1
-80°	34.1	34.4	35.4	36.4	35.4	34.4	34.1	33.8	33.3	32.5	30.0
-82.5°	23.7	24.8	24.9	24.9	24.9	24.8	23.7	22.6	21.4	20.2	18.6
-85°	14.7	15.3	16.3	17.3	16.3	15.3	14.7	14.2	13.6	13.0	12.0
-87.5°	9.1	9.6	9.6	9.6	9.6	9.6	9.1	8.7	8.2	7.7	7.7
-90°	2.4	1.9	0.9	0.0	0.9	1.9	2.4	2.9	3.3	3.8	3.8



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	6.8	6.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.3	4.8	5.3	5.8
85°	3.8	3.8	3.8	4.2	4.5	4.8	5.1	5.2	5.3	5.5	5.8
82.5°	3.8	3.8	3.8	4.3	4.8	5.3	5.8	5.8	5.8	5.8	5.8
80°	4.6	4.9	5.1	5.1	5.3	5.5	5.8	5.9	5.9	5.8	5.9
77.5°	4.9	5.4	5.8	5.8	5.8	5.8	5.9	6.4	6.7	6.8	6.9
75°	5.5	5.6	5.9	6.0	6.0	5.9	6.0	6.5	6.9	7.4	7.7
72.5°	6.4	6.5	6.7	7.0	7.1	7.3	7.6	7.9	8.0	7.9	7.7
70°	8.5	8.8	9.2	9.6	9.9	10.1	10.3	10.4	10.6	10.6	9.8
67.5°	11.0	11.7	13.1	14.5	15.2	15.4	15.1	14.0	13.6	13.5	12.1
65°	12.9	13.6	14.7	16.0	17.6	19.3	22.1	22.5	21.3	18.7	14.6
62.5°	14.0	15.1	15.8	16.4	17.6	20.6	26.3	29.5	30.5	27.1	20.6
60°	13.4	13.5	14.5	15.5	16.5	22.2	30.6	36.6	40.2	34.2	25.7
57.5°	13.6	13.6	14.1	14.7	15.2	22.7	32.7	43.4	50.0	39.4	29.6
55°	15.0	15.0	14.8	14.9	15.7	22.8	32.0	42.7	49.0	42.6	31.5
52.5°	13.5	14.7	15.4	15.4	16.8	22.0	29.1	39.0	42.2	37.2	30.6
50°	16.9	16.9	16.8	16.8	18.0	20.7	25.9	33.8	34.0	31.8	26.5
47.5°	22.3	21.9	20.8	20.3	20.7	20.8	23.8	27.5	29.6	27.1	23.2
45°	36.8	32.9	27.4	27.5	26.6	25.5	24.0	28.1	29.4	27.7	21.5
42.5°	61.3	56.6	47.6	44.5	39.6	36.2	32.5	34.5	35.2	32.3	29.2
40°	134.5	102.6	95.8	80.0	66.9	55.1	49.8	44.9	44.8	42.2	40.9
37.5°	295.1	254.6	221.8	166.7	132.0	91.0	75.6	63.8	56.3	60.7	58.3
35°	525.9	477.7	440.3	366.2	258.0	196.2	117.8	91.8	84.8	89.1	81.7
32.5°	807.8	818.2	743.9	646.8	560.3	392.6	251.9	137.9	151.5	143.7	118.0
30°	1793.9	1644.0	1234.6	1252.1	1252.0	801.7	465.6	363.8	270.9	223.9	170.0
27.5°	4168.0	3681.1	2826.2	2517.2	2502.8	1789.6	1076.2	742.5	475.3	351.1	259.1
25°	7734.1	6909.5	5516.7	4599.0	4141.1	3157.3	1983.1	1403.8	904.6	508.2	353.8
22.5°	11775.9	10276.4	8484.6	6725.8	5683.2	4204.9	2953.5	2214.5	1386.4	727.5	468.3
20°	16235.7	13906.4	11660.2	9432.1	7242.2	5154.1	3684.0	3020.5	2025.7	1027.6	578.1
17.5°	21634.7	17956.2	15556.4	12532.4	9553.7	6727.8	5173.4	4067.0	2826.8	1279.4	678.2
15°	28399.8	24499.5	20827.3	16574.0	12710.2	9882.8	7377.3	5452.3	3775.3	1760.6	903.4
12.5°	39002.5	33054.1	27291.1	21716.4	17273.0	13526.2	10205.5	7386.5	4883.4	2619.0	1270.6
10°	48640.0	41372.1	34094.3	27714.9	22247.5	17410.0	12846.2	8918.0	5847.8	3486.4	1672.3
7.5°	56489.1	48279.3	40538.7	32664.5	25981.7	20044.5	14669.4	10197.7	6663.9	4269.4	2090.2
5°	62784.3	53083.8	44236.3	35081.6	28325.8	22397.4	16306.6	11350.4	7336.1	4955.8	2504.2
2.5°	66699.0	56106.3	46900.9	36849.7	30043.8	24286.4	17732.0	12345.1	7904.9	5494.3	2865.2
0°	69001.4	58134.4	48653.3	38025.9	31015.7	25301.4	18904.6	13129.0	8365.4	5904.1	3180.2
-2.5°	68478.1	56732.7	47022.8	36313.3	29212.9	23572.3	17769.4	12834.9	8800.5	5993.2	3063.8
-5°	64036.2	53014.7	44011.2	34591.6	27565.7	22211.1	16911.9	12597.8	9033.6	5944.0	2886.1
-7.5°	62191.8	50374.6	40826.8	32210.0	25740.5	20872.1	16247.3	12449.2	9033.6	5862.2	2925.3
-10°	59302.1	48804.1	39701.8	31322.4	24801.7	19495.9	15522.9	12146.9	8846.5	5612.4	2856.1
-12.5°	56961.0	46952.1	38211.0	30503.3	24841.6	19497.3	15302.2	11769.6	8465.1	5191.2	2660.6
-15°	53520.5	45165.1	36746.5	29758.9	24433.8	19203.5	14946.3	11314.6	7643.8	4501.0	2325.5
-17.5°	48182.4	41851.4	34046.9	27246.0	22270.2	18339.5	14248.6	10270.4	6496.3	3607.6	1795.3
-20°	41690.0	35925.8	29606.1	23778.0	19085.7	15360.3	12578.1	8628.7	5209.9	2846.3	1592.7



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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°	34539.1	29445.2	23937.7	19317.5	15419.8	12296.2	9624.6	6506.1	3763.9	2012.4	1378.7
-25°	26572.6	22663.4	18252.2	15237.1	11911.2	8995.8	7038.4	4749.9	2763.1	1485.6	1168.3
-27.5°	20093.6	16642.7	14272.9	12012.2	9384.2	7006.8	5089.8	3208.8	1782.4	1270.1	1033.1
-30°	15348.2	13435.9	11645.6	9925.7	7776.0	5585.1	3474.0	2155.5	1365.5	1088.5	937.2
-32.5°	12259.3	11002.7	9637.6	8083.2	6080.4	3939.3	2409.6	1399.8	1137.8	993.1	897.9
-35°	10065.1	8906.2	7594.4	5951.2	4044.0	2561.1	1476.2	1194.5	1019.1	919.5	873.3
-37.5°	7905.6	6770.4	5310.5	3745.2	2432.0	1507.9	1249.0	1066.6	940.8	893.1	825.4
-40°	5612.5	4388.6	3174.9	1970.9	1490.5	1258.6	1103.7	977.5	921.6	850.3	764.5
-42.5°	3283.6	2231.0	1636.1	1412.9	1224.5	1111.6	1008.0	953.0	882.6	789.8	683.3
-45°	1660.9	1465.5	1284.5	1192.1	1091.3	1030.3	978.2	901.9	814.2	709.1	594.7
-47.5°	1301.0	1225.9	1144.1	1092.6	1049.3	993.9	910.6	824.6	724.4	620.6	525.7
-50°	1178.2	1150.9	1115.1	1062.7	988.5	911.9	820.8	724.9	633.3	544.8	457.3
-52.5°	1187.9	1123.2	1054.2	979.8	889.6	800.6	712.2	632.2	551.1	470.1	392.5
-55°	1111.8	1028.8	942.4	852.5	761.7	687.3	613.4	541.4	468.5	394.8	333.8
-57.5°	966.8	886.4	807.9	728.0	646.8	580.5	516.9	450.8	390.1	333.1	277.2
-60°	818.1	748.8	676.3	606.9	541.4	481.4	424.9	370.9	319.8	269.7	220.0
-62.5°	652.2	594.7	537.5	482.9	431.2	382.3	334.8	289.8	246.9	205.2	168.0
-65°	484.2	438.7	395.4	357.1	319.3	281.9	243.2	210.4	180.7	151.0	120.7
-67.5°	330.9	298.2	267.4	240.2	217.9	195.1	170.1	144.6	125.2	108.5	90.3
-70°	211.9	192.7	174.3	156.5	142.0	129.4	115.5	101.1	86.9	74.4	61.4
-72.5°	133.1	122.1	111.5	101.9	91.9	83.0	73.7	63.9	54.0	44.0	35.6
-75°	80.8	73.0	65.3	58.9	52.1	44.8	39.8	35.9	31.7	27.4	23.1
-77.5°	45.4	40.8	36.7	33.8	30.8	27.7	24.4	21.4	19.5	17.8	16.4
-80°	27.4	24.8	22.3	20.7	19.1	17.5	16.0	14.8	13.8	13.2	12.7
-82.5°	16.9	15.2	13.7	13.0	12.4	11.8	11.3	11.0	10.7	10.4	10.1
-85°	11.0	10.1	9.2	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5
-87.5°	7.6	7.6	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.2	7.1
-90°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.3	4.8	5.3	5.8



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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°	6.3	6.8	7.2	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
87.5°	6.1	6.4	6.7	6.9	7.0	7.2	7.4	7.7	7.7	7.7	7.7
85°	6.3	6.8	7.2	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
82.5°	6.3	6.8	7.3	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
80°	6.4	6.8	7.3	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
77.5°	6.9	7.0	7.4	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
75°	7.7	7.6	7.6	7.8	7.8	7.7	7.7	7.8	7.9	7.7	7.7
72.5°	7.7	7.7	7.7	7.9	8.2	8.2	8.0	7.9	8.1	8.1	7.8
70°	8.7	7.9	7.7	8.0	8.5	8.9	8.8	8.5	8.4	8.5	8.3
67.5°	10.6	9.4	8.5	8.2	8.6	9.0	9.5	9.2	8.9	8.9	8.8
65°	12.9	11.2	9.5	9.1	8.9	9.1	9.6	9.6	9.3	9.2	9.3
62.5°	16.0	13.4	11.5	10.1	9.4	9.3	9.6	9.6	9.6	9.4	9.5
60°	19.3	15.1	13.3	11.7	10.2	9.5	9.6	9.6	9.6	9.6	9.6
57.5°	21.5	15.9	14.2	12.9	11.4	10.1	9.6	9.6	9.6	9.6	9.6
55°	22.5	16.5	15.1	13.7	12.3	10.9	9.9	9.6	9.6	9.6	9.6
52.5°	21.9	17.5	16.0	14.5	13.1	11.7	10.6	9.6	9.6	9.6	9.6
50°	19.4	18.6	17.0	15.3	13.7	12.4	11.3	10.2	9.6	9.6	9.6
47.5°	19.7	19.7	18.3	16.2	14.4	13.2	12.0	10.8	9.6	9.6	9.6
45°	22.3	21.2	19.9	17.6	15.2	13.9	12.7	11.4	10.1	9.7	9.6
42.5°	27.0	25.2	22.1	19.2	16.9	14.6	13.3	12.0	10.7	9.8	9.7
40°	37.4	31.7	25.8	23.8	19.2	15.4	13.9	12.6	11.2	10.1	9.8
37.5°	50.2	42.1	33.3	33.2	23.7	17.8	14.5	13.1	11.8	10.6	10.0
35°	69.3	55.8	49.2	47.3	35.9	20.5	15.1	13.6	12.5	11.2	10.2
32.5°	91.3	81.6	75.6	63.7	51.7	23.4	16.9	14.6	13.2	11.7	10.5
30°	134.0	128.3	109.8	81.7	69.8	37.9	19.9	15.7	14.0	12.2	10.8
27.5°	200.2	185.7	152.5	112.1	86.7	55.7	23.7	16.9	14.9	12.7	11.2
25°	270.7	246.9	208.3	150.6	104.6	74.3	27.7	18.4	15.8	13.4	11.6
22.5°	355.0	304.9	271.4	193.6	127.2	93.4	37.5	21.6	16.9	14.1	12.0
20°	432.8	360.2	339.0	236.1	159.5	111.3	52.7	25.0	18.1	14.7	12.4
17.5°	508.3	433.8	390.9	286.2	194.8	131.6	67.6	28.3	19.2	15.4	12.7
15°	650.4	536.4	451.7	336.9	228.1	153.6	82.1	31.7	20.4	16.1	12.9
12.5°	813.4	645.2	522.0	387.5	259.3	176.7	95.9	34.9	21.6	16.7	13.1
10°	982.1	757.8	599.0	436.9	288.2	200.3	108.7	39.3	23.4	17.3	13.2
7.5°	1152.5	871.8	679.6	484.0	320.6	236.2	138.5	46.3	25.3	17.8	13.3
5°	1308.6	979.1	764.5	558.0	382.3	284.6	171.5	53.5	27.2	18.3	13.3
2.5°	1405.2	1072.4	845.9	631.6	442.6	331.5	203.8	60.5	29.0	18.8	13.4
0°	1487.5	1157.8	920.1	699.7	500.3	375.7	233.9	67.1	30.7	19.2	13.4
-2.5°	1488.8	1160.3	945.1	764.5	564.3	423.1	270.7	86.8	42.1	24.3	15.2
-5°	1476.9	1156.8	967.3	823.3	623.7	466.2	302.5	105.2	52.9	29.2	16.9
-7.5°	1505.6	1168.7	987.9	870.2	677.2	504.7	328.1	121.9	62.8	33.7	18.5
-10°	1525.3	1183.9	1001.1	867.7	677.6	515.6	342.9	136.5	71.6	37.6	20.0
-12.5°	1518.9	1186.9	1009.5	856.3	663.6	502.0	329.7	146.6	79.0	40.9	21.3
-15°	1483.5	1176.6	1012.5	835.4	643.7	485.8	314.0	153.5	85.3	44.0	22.4
-17.5°	1397.2	1151.7	1010.0	804.3	617.8	467.1	296.5	158.2	89.9	47.0	23.9
-20°	1266.1	1094.6	996.1	762.2	585.5	446.5	277.9	160.3	92.7	49.0	25.6



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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°	1143.6	1025.8	915.6	720.7	551.9	424.1	258.8	159.8	93.6	49.8	26.9
-25°	1020.4	961.5	833.0	666.0	522.6	395.9	248.0	156.5	92.3	49.3	27.5
-27.5°	937.4	894.2	757.7	609.7	486.5	369.0	243.0	154.7	90.0	47.3	27.6
-30°	876.6	813.4	691.7	555.8	446.8	332.5	234.5	150.2	87.7	46.3	27.0
-32.5°	839.8	744.7	626.7	509.4	404.0	295.4	216.0	142.6	83.5	45.7	26.6
-35°	788.1	681.0	562.5	459.2	360.5	268.0	193.0	132.0	77.2	44.1	25.8
-37.5°	732.4	614.5	504.8	408.5	316.8	238.3	172.1	116.5	68.9	41.5	24.6
-40°	656.4	547.9	447.7	360.9	279.6	206.4	150.0	102.0	63.4	38.0	22.9
-42.5°	577.3	484.1	396.3	314.2	242.5	180.7	127.5	86.8	57.0	34.8	20.6
-45°	507.0	422.6	345.9	273.6	204.9	154.0	110.0	72.0	49.7	31.6	18.6
-47.5°	437.9	366.7	298.4	232.1	175.1	128.3	91.8	63.3	42.0	27.7	17.5
-50°	377.0	313.7	253.4	196.6	145.2	107.8	75.1	54.0	36.5	22.9	16.1
-52.5°	324.0	265.7	211.8	161.6	121.3	86.6	64.1	44.5	30.5	20.0	14.6
-55°	274.3	219.5	171.2	131.8	97.8	72.1	52.6	37.1	24.1	17.9	13.2
-57.5°	224.2	173.4	137.2	104.6	79.3	59.0	42.4	29.3	20.6	15.7	12.8
-60°	174.3	137.9	105.9	83.5	63.9	46.7	32.9	22.7	17.8	13.8	12.4
-62.5°	133.5	104.2	84.1	65.6	49.3	35.3	24.1	19.4	15.0	13.3	12.0
-65°	100.2	81.1	63.7	48.8	35.2	25.1	20.2	16.0	13.9	12.7	11.5
-67.5°	73.0	58.3	44.5	31.8	25.1	20.4	16.1	14.5	13.3	12.2	11.1
-70°	48.4	36.1	28.6	23.7	19.3	15.8	14.7	13.8	12.7	11.6	10.6
-72.5°	30.1	25.1	20.6	16.9	15.7	14.6	13.8	13.1	12.1	11.1	10.1
-75°	19.0	17.3	16.0	14.9	14.0	13.4	12.9	12.3	11.4	10.5	9.9
-77.5°	15.3	14.3	13.5	13.1	12.8	12.4	12.1	11.6	10.8	10.2	9.8
-80°	12.4	12.2	12.1	12.0	11.8	11.5	11.2	10.9	10.3	9.9	9.7
-82.5°	10.2	10.5	10.7	11.0	10.8	10.5	10.3	10.1	9.8	9.6	9.4
-85°	8.9	9.2	9.6	9.9	9.7	9.6	9.5	9.3	9.2	9.0	8.8
-87.5°	7.6	8.0	8.4	8.8	8.7	8.6	8.6	8.5	8.4	8.3	8.3
-90°	5.8	5.8	5.8	5.8	6.3	6.8	7.2	7.7	7.7	7.7	7.7



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
87.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
85°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
82.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
80°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
77.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
75°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
72.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
70°	7.8	7.7	7.7	7.7	7.7	7.7	7.7
67.5°	8.2	7.7	7.7	7.7	7.7	7.7	7.7
65°	8.7	7.9	7.7	7.7	7.7	7.7	7.7
62.5°	9.1	8.3	7.7	7.7	7.7	7.7	7.7
60°	9.6	8.6	7.7	7.7	7.7	7.7	7.7
57.5°	9.6	9.0	8.0	7.7	7.7	7.7	7.7
55°	9.6	9.3	8.2	7.7	7.7	7.7	7.7
52.5°	9.6	9.6	8.5	7.7	7.7	7.7	7.7
50°	9.6	9.6	8.8	7.7	7.7	7.7	7.7
47.5°	9.6	9.6	9.0	7.7	7.7	7.7	7.7
45°	9.6	9.6	9.3	7.9	7.7	7.7	7.7
42.5°	9.6	9.6	9.5	8.1	7.7	7.7	7.7
40°	9.6	9.6	9.6	8.2	7.7	7.7	7.7
37.5°	9.6	9.6	9.6	8.4	7.7	7.7	7.7
35°	9.6	9.6	9.6	8.4	7.7	7.7	7.7
32.5°	9.7	9.6	9.6	8.5	7.7	7.7	7.7
30°	9.9	9.6	9.6	8.6	7.7	7.7	7.7
27.5°	10.1	9.6	9.5	8.6	7.7	7.7	7.7
25°	10.3	9.6	9.5	8.6	7.7	7.7	7.7
22.5°	10.5	9.6	9.5	8.5	7.7	7.7	7.7
20°	10.8	9.6	9.5	8.5	7.7	7.7	7.7
17.5°	11.0	9.6	9.5	8.4	7.7	7.7	7.7
15°	11.1	9.6	9.5	8.4	7.7	7.7	7.7
12.5°	11.2	9.6	9.5	8.3	7.7	7.7	7.7
10°	11.3	9.6	9.5	8.2	7.7	7.7	7.7
7.5°	11.4	9.6	9.6	8.1	7.7	7.7	7.7
5°	11.5	9.6	9.6	7.9	7.7	7.7	7.7
2.5°	11.5	9.6	9.6	7.8	7.7	7.7	7.7
0°	11.5	9.6	9.6	7.7	7.7	7.7	7.7
-2.5°	12.3	10.0	9.6	7.8	7.7	7.7	7.7
-5°	13.0	10.4	9.6	7.9	7.7	7.7	7.7
-7.5°	13.7	10.8	9.6	8.1	7.7	7.7	7.7
-10°	14.3	11.1	9.5	8.2	7.7	7.7	7.7
-12.5°	14.9	11.4	9.5	8.3	7.7	7.7	7.7
-15°	15.4	11.7	9.5	8.4	7.7	7.7	7.7
-17.5°	15.8	11.8	9.5	8.4	7.7	7.7	7.7
-20°	16.3	11.9	9.5	8.5	7.7	7.7	7.7



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	16.8	11.9	9.5	8.5	7.7	7.7	7.7
-25°	17.1	11.8	9.5	8.6	7.7	7.7	7.7
-27.5°	17.2	11.7	9.5	8.6	7.7	7.7	7.7
-30°	16.9	11.5	9.6	8.6	7.7	7.7	7.7
-32.5°	16.2	11.2	9.7	8.5	7.7	7.7	7.7
-35°	15.7	10.9	9.8	8.4	7.7	7.7	7.7
-37.5°	15.3	10.6	9.8	8.4	7.7	7.7	7.7
-40°	14.7	10.7	9.9	8.2	7.7	7.7	7.7
-42.5°	13.9	10.7	9.8	8.1	7.7	7.7	7.7
-45°	13.1	10.7	9.7	8.0	7.7	7.7	7.7
-47.5°	12.1	10.7	9.5	7.8	7.7	7.7	7.7
-50°	11.9	10.7	9.3	7.8	7.7	7.7	7.7
-52.5°	11.8	10.6	9.1	7.9	7.7	7.7	7.7
-55°	11.6	10.3	8.9	7.9	7.7	7.7	7.7
-57.5°	11.4	10.0	8.6	8.0	7.7	7.7	7.7
-60°	11.1	9.7	8.4	8.0	7.7	7.7	7.7
-62.5°	10.7	9.4	8.4	8.0	7.7	7.7	7.7
-65°	10.3	9.1	8.5	8.0	7.7	7.7	7.7
-67.5°	9.9	8.9	8.5	8.1	7.7	7.7	7.7
-70°	9.5	9.0	8.5	8.1	7.7	7.7	7.7
-72.5°	9.5	9.0	8.6	8.1	7.7	7.7	7.7
-75°	9.5	9.0	8.6	8.0	7.7	7.7	7.7
-77.5°	9.5	9.1	8.5	8.0	7.7	7.7	7.7
-80°	9.6	8.9	8.3	7.9	7.7	7.7	7.7
-82.5°	9.2	8.6	8.2	7.9	7.7	7.7	7.7
-85°	8.7	8.3	8.0	7.8	7.7	7.7	7.7
-87.5°	8.2	8.0	7.9	7.8	7.7	7.7	7.7
-90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7

(END OF REPORT)