

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: P1305380 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-70-4S-HEG-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1305380 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-4)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-640L-40-70-4S-HEG-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 4S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

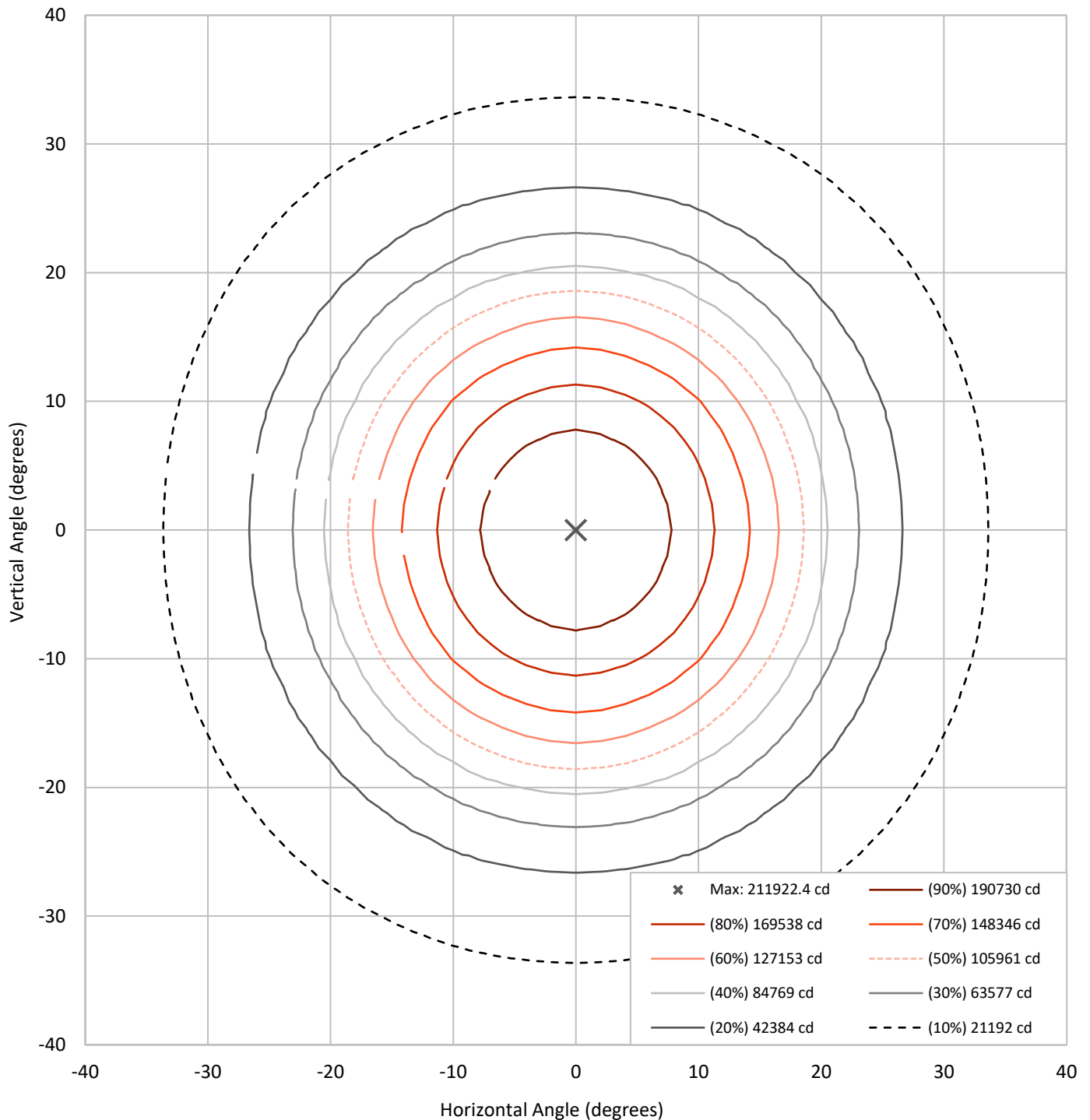
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	97867.8 lumens	Max Intensity:	211922.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	151.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	37.2°H x 37.2°V	Field Angle (10%):	67.2°H x 67.2°V
Beam Lumens:	50949.1 lumens	Field Lumens:	85585.9 lumens
Beam Efficiency:	52.1%	Field Efficiency:	87.5%

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





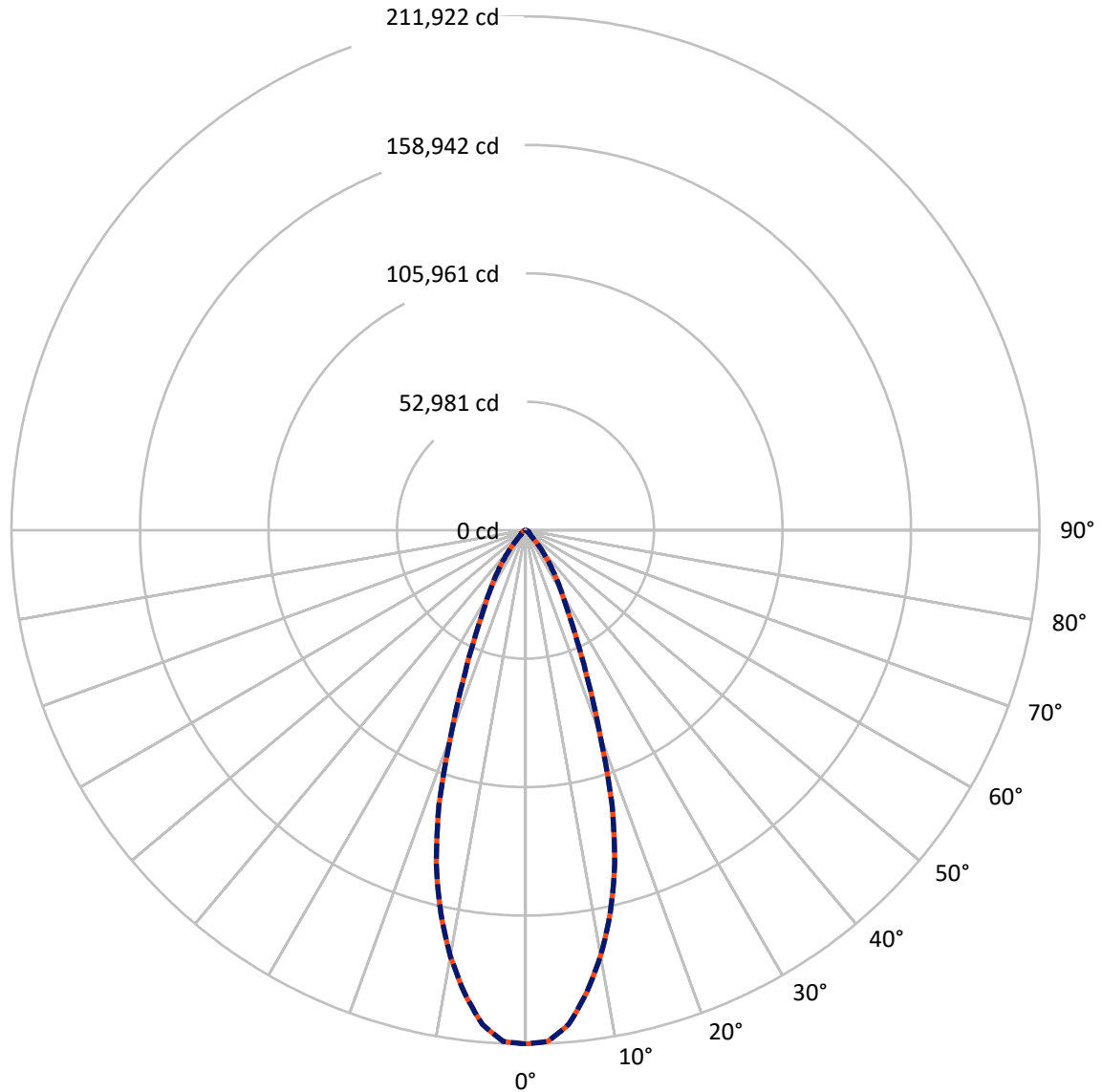
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Lumen Table

90	0.1	0.7	2.9	7.0	9.0	7.0	2.9	0.7	0.1							
80	0.1	0.7	2.9	7.0	9.0	7.0	2.9	0.7	0.1							
70	0.3	0.5	1.8	4.9	10.2	16.5	22.1	25.2	25.2	22.1	16.5	10.2	4.9	1.8	0.5	0.3
60		1.3	5.8	15.7	28.9	40.7	49.3	54.0	54.0	49.3	40.7	28.9	15.7	5.8	1.3	
50	1.0	3.0	12.9	29.3	45.6	63.3	90.9	119.9	119.9	90.9	63.3	45.6	29.3	12.9	3.0	1.0
40		5.4	20.5	39.5	68.4	184.1	389.6	540.4	540.4	389.6	184.1	68.4	39.5	20.5	5.4	
30	2.0	8.0	26.0	49.6	167.6	523.7	1024.2	1523.0	1523.0	1024.2	523.7	167.6	49.6	26.0	8.0	2.0
20		10.0	29.5	67.3	333.7	964.4	2388.4	3920.6	3920.6	2388.4	964.4	333.7	67.3	29.5	10.0	
10	2.5	11.1	31.4	86.8	449.0	1394.5	3809.8	5738.8	5738.8	3809.8	1394.5	449.0	86.8	31.4	11.1	2.5
0		11.1	31.4	86.8	449.0	1394.5	3809.8	5738.8	5738.8	3809.8	1394.5	449.0	86.8	31.4	11.1	
-10	2.0	10.0	29.5	67.3	333.7	964.4	2388.4	3920.6	3920.6	2388.4	964.4	333.7	67.3	29.5	10.0	2.0
-20		8.0	26.0	49.6	167.6	523.7	1024.2	1523.0	1523.0	1024.2	523.7	167.6	49.6	26.0	8.0	
-30	1.0	5.4	20.5	39.5	68.4	184.1	389.6	540.4	540.4	389.6	184.1	68.4	39.5	20.5	5.4	1.0
-40		3.0	12.9	29.3	45.6	63.3	90.9	119.9	119.9	90.9	63.3	45.6	29.3	12.9	3.0	
-50	0.3	1.3	5.8	15.7	28.9	40.7	49.3	54.0	54.0	49.3	40.7	28.9	15.7	5.8	1.3	0.3
-60		0.5	1.8	4.9	10.2	16.5	22.1	25.2	25.2	22.1	16.5	10.2	4.9	1.8	0.5	
-70	0.1	0.7	2.9	7.0	9.0	7.0	2.9	0.7	0.1							
-80		0.1	0.7	2.9	7.0	9.0	7.0	2.9	0.7	0.1						
-90	0.1	0.7	2.9	7.0	9.0	7.0	2.9	0.7	0.1							

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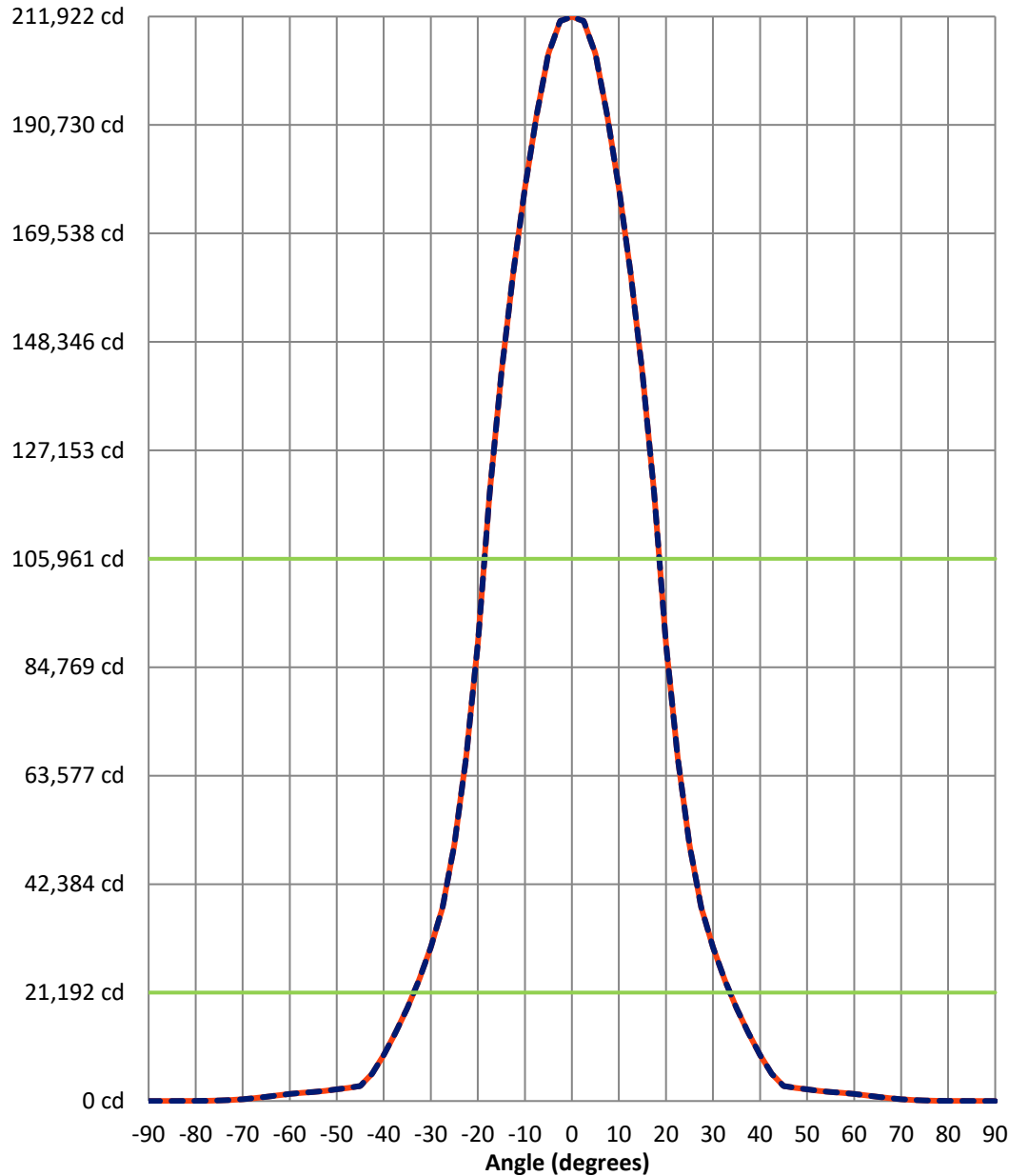
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 37.2°
V Angle: 37.2°
Lumens: 50949.1
Efficiency: 52.1%

Field:
H Angle: 67.2°
V Angle: 67.2°
Lumens: 85585.9
Efficiency: 87.5%

Spill:
Lumens: 12281.8
Efficiency: 12.5%

— 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	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
85°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
82.5°	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.4	5.0	5.6	6.2
80°	0.0	0.9	1.7	2.5	3.4	4.2	5.0	5.9	6.7	7.5	8.2
77.5°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.3	8.3	9.3	10.6
75°	0.0	1.3	2.5	3.8	5.0	6.3	7.5	8.7	10.1	12.0	13.9
72.5°	0.0	1.5	2.9	4.4	5.9	7.3	8.7	10.4	12.7	15.0	17.3
70°	0.0	1.7	3.3	5.0	6.7	8.3	10.1	12.7	15.4	18.0	20.6
67.5°	0.0	1.9	3.7	5.6	7.5	9.3	12.0	15.0	18.0	20.9	23.8
65°	0.0	2.1	4.1	6.2	8.2	10.6	13.9	17.3	20.6	23.8	29.1
62.5°	0.0	2.3	4.5	6.8	9.0	12.2	15.8	19.5	23.1	27.9	39.1
60°	0.0	2.4	4.9	7.3	9.8	13.7	17.7	21.7	25.6	36.8	49.0
57.5°	0.0	2.6	5.3	7.9	10.9	15.2	19.5	23.8	32.2	45.5	68.0
55°	0.0	2.8	5.6	8.4	12.1	16.7	21.3	25.9	39.8	56.7	91.0
52.5°	0.0	3.0	6.0	8.9	13.3	18.1	23.0	31.8	47.1	76.8	113.4
50°	0.0	3.1	6.3	9.4	14.4	19.5	24.7	38.0	57.2	96.4	142.5
47.5°	0.0	3.3	6.6	10.0	15.4	20.9	26.8	44.0	74.0	115.3	171.6
45°	0.0	3.5	6.9	10.8	16.5	22.2	31.8	49.8	90.1	140.3	199.7
42.5°	0.0	3.6	7.2	11.5	17.4	23.4	36.5	60.0	105.7	164.5	242.9
40°	0.0	3.8	7.5	12.2	18.4	24.6	41.0	72.9	122.3	187.7	286.9
37.5°	0.0	3.9	7.8	12.9	19.3	25.7	45.3	85.2	141.9	214.0	328.9
35°	0.0	4.0	8.0	13.5	20.1	28.3	49.4	96.9	160.4	249.7	375.4
32.5°	0.0	4.1	8.3	14.1	20.9	31.5	54.9	107.8	177.8	283.3	429.3
30°	0.0	4.2	8.5	14.6	21.7	34.5	63.6	119.0	194.1	314.8	479.9
27.5°	0.0	4.3	8.7	15.1	22.4	37.2	71.7	132.2	213.2	344.1	527.0
25°	0.0	4.4	8.9	15.6	23.0	39.8	79.2	144.4	237.0	378.8	570.8
22.5°	0.0	4.5	9.1	16.0	23.6	42.1	86.0	155.4	258.8	414.1	618.6
20°	0.0	4.6	9.2	16.4	24.1	44.1	92.2	165.4	278.4	446.1	661.7
17.5°	0.0	4.7	9.3	16.8	24.6	46.0	97.7	174.3	295.8	474.5	700.1
15°	0.0	4.7	9.5	17.1	25.0	47.6	102.4	182.0	311.0	499.2	733.6
12.5°	0.0	4.8	9.6	17.3	25.3	49.0	106.4	188.6	323.9	520.3	762.2
10°	0.0	4.8	9.7	17.5	25.6	50.1	109.8	194.0	334.5	537.6	785.6
7.5°	0.0	4.9	9.7	17.7	25.8	51.0	112.4	198.2	342.8	551.1	803.9
5°	0.0	4.9	9.8	17.8	26.0	51.6	114.2	201.2	348.7	560.8	817.1
2.5°	0.0	4.9	9.8	17.9	26.1	52.0	115.3	203.0	352.3	566.7	825.0
0°	0.0	4.9	9.8	17.9	26.1	52.1	115.7	203.6	353.5	568.6	827.6
-2.5°	0.0	4.9	9.8	17.9	26.1	52.0	115.3	203.0	352.3	566.7	825.0
-5°	0.0	4.9	9.8	17.8	26.0	51.6	114.2	201.2	348.7	560.8	817.1
-7.5°	0.0	4.9	9.7	17.7	25.8	51.0	112.4	198.2	342.8	551.1	803.9
-10°	0.0	4.8	9.7	17.5	25.6	50.1	109.8	194.0	334.5	537.6	785.6
-12.5°	0.0	4.8	9.6	17.3	25.3	49.0	106.4	188.6	323.9	520.3	762.2
-15°	0.0	4.7	9.5	17.1	25.0	47.6	102.4	182.0	311.0	499.2	733.6
-17.5°	0.0	4.7	9.3	16.8	24.6	46.0	97.7	174.3	295.8	474.5	700.1
-20°	0.0	4.6	9.2	16.4	24.1	44.1	92.2	165.4	278.4	446.1	661.7



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 CATALOG NUMBER: EPH-08-640L-40-70-4S-HEG-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	4.5	9.1	16.0	23.6	42.1	86.0	155.4	258.8	414.1	618.6
-25°	0.0	4.4	8.9	15.6	23.0	39.8	79.2	144.4	237.0	378.8	570.8
-27.5°	0.0	4.3	8.7	15.1	22.4	37.2	71.7	132.2	213.2	344.1	527.0
-30°	0.0	4.2	8.5	14.6	21.7	34.5	63.6	119.0	194.1	314.8	479.9
-32.5°	0.0	4.1	8.3	14.1	20.9	31.5	54.9	107.8	177.8	283.3	429.3
-35°	0.0	4.0	8.0	13.5	20.1	28.3	49.4	96.9	160.4	249.7	375.4
-37.5°	0.0	3.9	7.8	12.9	19.3	25.7	45.3	85.2	141.9	214.0	328.9
-40°	0.0	3.8	7.5	12.2	18.4	24.6	41.0	72.9	122.3	187.7	286.9
-42.5°	0.0	3.6	7.2	11.5	17.4	23.4	36.5	60.0	105.7	164.5	242.9
-45°	0.0	3.5	6.9	10.8	16.5	22.2	31.8	49.8	90.1	140.3	199.7
-47.5°	0.0	3.3	6.6	10.0	15.4	20.9	26.8	44.0	74.0	115.3	171.6
-50°	0.0	3.1	6.3	9.4	14.4	19.5	24.7	38.0	57.2	96.4	142.5
-52.5°	0.0	3.0	6.0	8.9	13.3	18.1	23.0	31.8	47.1	76.8	113.4
-55°	0.0	2.8	5.6	8.4	12.1	16.7	21.3	25.9	39.8	56.7	91.0
-57.5°	0.0	2.6	5.3	7.9	10.9	15.2	19.5	23.8	32.2	45.5	68.0
-60°	0.0	2.4	4.9	7.3	9.8	13.7	17.7	21.7	25.6	36.8	49.0
-62.5°	0.0	2.3	4.5	6.8	9.0	12.2	15.8	19.5	23.1	27.9	39.1
-65°	0.0	2.1	4.1	6.2	8.2	10.6	13.9	17.3	20.6	23.8	29.1
-67.5°	0.0	1.9	3.7	5.6	7.5	9.3	12.0	15.0	18.0	20.9	23.8
-70°	0.0	1.7	3.3	5.0	6.7	8.3	10.1	12.7	15.4	18.0	20.6
-72.5°	0.0	1.5	2.9	4.4	5.9	7.3	8.7	10.4	12.7	15.0	17.3
-75°	0.0	1.3	2.5	3.8	5.0	6.3	7.5	8.7	10.1	12.0	13.9
-77.5°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.3	8.3	9.3	10.6
-80°	0.0	0.9	1.7	2.5	3.4	4.2	5.0	5.9	6.7	7.5	8.2
-82.5°	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.4	5.0	5.6	6.2
-85°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-87.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
-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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 CATALOG NUMBER: EPH-08-640L-40-70-4S-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°	2.3	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8	3.9
85°	4.5	4.9	5.3	5.6	6.0	6.3	6.6	6.9	7.2	7.5	7.8
82.5°	6.8	7.3	7.9	8.4	8.9	9.4	10.0	10.8	11.5	12.2	12.9
80°	9.0	9.8	10.9	12.1	13.3	14.4	15.4	16.5	17.4	18.4	19.3
77.5°	12.2	13.7	15.2	16.7	18.1	19.5	20.9	22.2	23.4	24.6	25.7
75°	15.8	17.7	19.5	21.3	23.0	24.7	26.8	31.8	36.5	41.0	45.3
72.5°	19.5	21.7	23.8	25.9	31.8	38.0	44.0	49.8	60.0	72.9	85.2
70°	23.1	25.6	32.2	39.8	47.1	57.2	74.0	90.1	105.7	122.3	141.9
67.5°	27.9	36.8	45.5	56.7	76.8	96.4	115.3	140.3	164.5	187.7	214.0
65°	39.1	49.0	68.0	91.0	113.4	142.5	171.6	199.7	242.9	286.9	328.9
62.5°	50.1	73.7	99.5	128.3	162.3	195.4	244.2	296.9	347.7	415.0	481.7
60°	73.7	102.4	136.2	174.3	216.8	278.4	338.1	414.1	493.9	570.8	658.8
57.5°	99.5	136.2	178.3	230.6	299.1	371.1	464.0	553.9	655.3	755.6	854.2
55°	128.3	174.3	230.6	306.0	391.1	494.2	599.6	716.5	829.5	950.4	1066.2
52.5°	162.3	216.8	299.1	391.1	504.2	624.1	753.5	884.9	1020.1	1148.9	1268.7
50°	195.4	278.4	371.1	494.2	624.1	765.9	912.8	1062.2	1203.3	1337.4	1448.9
47.5°	244.2	338.1	464.0	599.6	753.5	912.8	1076.4	1230.8	1379.0	1491.8	1597.1
45°	296.9	414.1	553.9	716.5	884.9	1062.2	1230.8	1392.9	1513.4	1624.3	1711.6
42.5°	347.7	493.9	655.3	829.5	1020.1	1203.3	1379.0	1513.4	1632.8	1729.0	1838.9
40°	415.0	570.8	755.6	950.4	1148.9	1337.4	1491.8	1624.3	1729.0	1850.7	1981.2
37.5°	481.7	658.8	854.2	1066.2	1268.7	1448.9	1597.1	1711.6	1838.9	1981.2	2173.1
35°	544.9	742.5	955.9	1174.1	1383.1	1543.0	1677.2	1803.9	1957.3	2155.9	2354.1
32.5°	612.0	821.6	1052.1	1274.5	1468.5	1626.3	1751.9	1909.9	2104.4	2322.6	2515.5
30°	679.6	903.6	1141.5	1369.0	1546.8	1692.0	1839.9	2019.8	2256.1	2467.4	2706.6
27.5°	742.5	980.8	1222.7	1442.2	1616.7	1753.6	1927.9	2153.2	2388.2	2616.7	2907.3
25°	800.6	1052.1	1297.7	1504.8	1669.6	1824.4	2019.1	2277.7	2507.8	2792.9	3870.9
22.5°	856.7	1117.4	1366.6	1562.3	1718.2	1894.3	2125.6	2382.4	2636.4	2996.9	4970.7
20°	910.1	1174.1	1420.4	1612.2	1762.3	1957.8	2222.7	2476.2	2775.4	3935.3	6354.2
17.5°	957.7	1224.6	1462.9	1648.4	1812.2	2025.7	2308.1	2560.4	2900.5	4781.8	7780.8
15°	999.3	1268.7	1500.0	1680.0	1858.1	2096.1	2376.5	2658.4	3337.5	5650.6	9052.2
12.5°	1034.7	1306.4	1531.7	1707.0	1897.2	2156.3	2435.1	2745.8	3931.7	6656.8	10341.2
10°	1063.8	1337.4	1557.9	1729.3	1929.5	2206.0	2483.5	2818.2	4424.5	7492.9	11414.6
7.5°	1086.6	1361.6	1578.3	1746.7	1954.8	2245.0	2521.5	2875.0	4812.0	8151.5	12261.7
5°	1102.9	1379.0	1592.9	1759.3	1973.0	2273.0	2548.8	2915.9	5091.2	8626.5	12873.6
2.5°	1112.7	1389.4	1601.8	1766.8	1983.9	2289.9	2565.3	2940.6	5259.7	8913.4	13243.5
0°	1116.0	1392.9	1604.7	1769.3	1987.6	2295.5	2570.8	2948.8	5316.0	9009.3	13367.3
-2.5°	1112.7	1389.4	1601.8	1766.8	1983.9	2289.9	2565.3	2940.6	5259.7	8913.4	13243.5
-5°	1102.9	1379.0	1592.9	1759.3	1973.0	2273.0	2548.8	2915.9	5091.2	8626.5	12873.6
-7.5°	1086.6	1361.6	1578.3	1746.7	1954.8	2245.0	2521.5	2875.0	4812.0	8151.5	12261.7
-10°	1063.8	1337.4	1557.9	1729.3	1929.5	2206.0	2483.5	2818.2	4424.5	7492.9	11414.6
-12.5°	1034.7	1306.4	1531.7	1707.0	1897.2	2156.3	2435.1	2745.8	3931.7	6656.8	10341.2
-15°	999.3	1268.7	1500.0	1680.0	1858.1	2096.1	2376.5	2658.4	3337.5	5650.6	9052.2
-17.5°	957.7	1224.6	1462.9	1648.4	1812.2	2025.7	2308.1	2560.4	2900.5	4781.8	7780.8
-20°	910.1	1174.1	1420.4	1612.2	1762.3	1957.8	2222.7	2476.2	2775.4	3935.3	6354.2



REPORT NUMBER: P1305380 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-4S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	856.7	1117.4	1366.6	1562.3	1718.2	1894.3	2125.6	2382.4	2636.4	2996.9	4970.7
-25°	800.6	1052.1	1297.7	1504.8	1669.6	1824.4	2019.1	2277.7	2507.8	2792.9	3870.9
-27.5°	742.5	980.8	1222.7	1442.2	1616.7	1753.6	1927.9	2153.2	2388.2	2616.7	2907.3
-30°	679.6	903.6	1141.5	1369.0	1546.8	1692.0	1839.9	2019.8	2256.1	2467.4	2706.6
-32.5°	612.0	821.6	1052.1	1274.5	1468.5	1626.3	1751.9	1909.9	2104.4	2322.6	2515.5
-35°	544.9	742.5	955.9	1174.1	1383.1	1543.0	1677.2	1803.9	1957.3	2155.9	2354.1
-37.5°	481.7	658.8	854.2	1066.2	1268.7	1448.9	1597.1	1711.6	1838.9	1981.2	2173.1
-40°	415.0	570.8	755.6	950.4	1148.9	1337.4	1491.8	1624.3	1729.0	1850.7	1981.2
-42.5°	347.7	493.9	655.3	829.5	1020.1	1203.3	1379.0	1513.4	1632.8	1729.0	1838.9
-45°	296.9	414.1	553.9	716.5	884.9	1062.2	1230.8	1392.9	1513.4	1624.3	1711.6
-47.5°	244.2	338.1	464.0	599.6	753.5	912.8	1076.4	1230.8	1379.0	1491.8	1597.1
-50°	195.4	278.4	371.1	494.2	624.1	765.9	912.8	1062.2	1203.3	1337.4	1448.9
-52.5°	162.3	216.8	299.1	391.1	504.2	624.1	753.5	884.9	1020.1	1148.9	1268.7
-55°	128.3	174.3	230.6	306.0	391.1	494.2	599.6	716.5	829.5	950.4	1066.2
-57.5°	99.5	136.2	178.3	230.6	299.1	371.1	464.0	553.9	655.3	755.6	854.2
-60°	73.7	102.4	136.2	174.3	216.8	278.4	338.1	414.1	493.9	570.8	658.8
-62.5°	50.1	73.7	99.5	128.3	162.3	195.4	244.2	296.9	347.7	415.0	481.7
-65°	39.1	49.0	68.0	91.0	113.4	142.5	171.6	199.7	242.9	286.9	328.9
-67.5°	27.9	36.8	45.5	56.7	76.8	96.4	115.3	140.3	164.5	187.7	214.0
-70°	23.1	25.6	32.2	39.8	47.1	57.2	74.0	90.1	105.7	122.3	141.9
-72.5°	19.5	21.7	23.8	25.9	31.8	38.0	44.0	49.8	60.0	72.9	85.2
-75°	15.8	17.7	19.5	21.3	23.0	24.7	26.8	31.8	36.5	41.0	45.3
-77.5°	12.2	13.7	15.2	16.7	18.1	19.5	20.9	22.2	23.4	24.6	25.7
-80°	9.0	9.8	10.9	12.1	13.3	14.4	15.4	16.5	17.4	18.4	19.3
-82.5°	6.8	7.3	7.9	8.4	8.9	9.4	10.0	10.8	11.5	12.2	12.9
-85°	4.5	4.9	5.3	5.6	6.0	6.3	6.6	6.9	7.2	7.5	7.8
-87.5°	2.3	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8	3.9
-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°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.8
85°	8.0	8.3	8.5	8.7	8.9	9.1	9.2	9.3	9.5	9.6	9.7
82.5°	13.5	14.1	14.6	15.1	15.6	16.0	16.4	16.8	17.1	17.3	17.5
80°	20.1	20.9	21.7	22.4	23.0	23.6	24.1	24.6	25.0	25.3	25.6
77.5°	28.3	31.5	34.5	37.2	39.8	42.1	44.1	46.0	47.6	49.0	50.1
75°	49.4	54.9	63.6	71.7	79.2	86.0	92.2	97.7	102.4	106.4	109.8
72.5°	96.9	107.8	119.0	132.2	144.4	155.4	165.4	174.3	182.0	188.6	194.0
70°	160.4	177.8	194.1	213.2	237.0	258.8	278.4	295.8	311.0	323.9	334.5
67.5°	249.7	283.3	314.8	344.1	378.8	414.1	446.1	474.5	499.2	520.3	537.6
65°	375.4	429.3	479.9	527.0	570.8	618.6	661.7	700.1	733.6	762.2	785.6
62.5°	544.9	612.0	679.6	742.5	800.6	856.7	910.1	957.7	999.3	1034.7	1063.8
60°	742.5	821.6	903.6	980.8	1052.1	1117.4	1174.1	1224.6	1268.7	1306.4	1337.4
57.5°	955.9	1052.1	1141.5	1222.7	1297.7	1366.6	1420.4	1462.9	1500.0	1531.7	1557.9
55°	1174.1	1274.5	1369.0	1442.2	1504.8	1562.3	1612.2	1648.4	1680.0	1707.0	1729.3
52.5°	1383.1	1468.5	1546.8	1616.7	1669.6	1718.2	1762.3	1812.2	1858.1	1897.2	1929.5
50°	1543.0	1626.3	1692.0	1753.6	1824.4	1894.3	1957.8	2025.7	2096.1	2156.3	2206.0
47.5°	1677.2	1751.9	1839.9	1927.9	2019.1	2125.6	2222.7	2308.1	2376.5	2435.1	2483.5
45°	1803.9	1909.9	2019.8	2153.2	2277.7	2382.4	2476.2	2560.4	2658.4	2745.8	2818.2
42.5°	1957.3	2104.4	2256.1	2388.2	2507.8	2636.4	2775.4	2900.5	3337.5	3931.7	4424.5
40°	2155.9	2322.6	2467.4	2616.7	2792.9	2996.9	3935.3	4781.8	5650.6	6656.8	7492.9
37.5°	2354.1	2515.5	2706.6	2907.3	3870.9	4970.7	6354.2	7780.8	9052.2	10341.2	11414.6
35°	2531.7	2752.0	3125.5	4465.6	5961.0	7801.9	9587.3	11404.8	13021.4	14528.4	15816.0
32.5°	2752.0	3272.2	4766.6	6683.8	8789.4	11077.9	13232.1	15379.6	17309.0	19104.8	20713.5
30°	3125.5	4766.6	6926.8	9340.8	11990.3	14595.9	17146.8	19671.3	22067.6	24239.7	26284.9
27.5°	4465.6	6683.8	9340.8	12297.6	15296.0	18241.4	21381.0	24366.0	27391.2	30044.8	32775.9
25°	5961.0	8789.4	11990.3	15296.0	18660.7	22252.4	25943.8	29570.3	33472.4	37010.0	41248.3
22.5°	7801.9	11077.9	14595.9	18241.4	22252.4	26477.3	30823.2	35599.9	41161.4	47245.2	53380.3
20°	9587.3	13232.1	17146.8	21381.0	25943.8	30823.2	36321.4	43543.5	51350.9	60652.2	69177.7
17.5°	11404.8	15379.6	19671.3	24366.0	29570.3	35599.9	43543.5	53128.7	64422.3	77013.8	88748.9
15°	13021.4	17309.0	22067.6	27391.2	33472.4	41161.4	51350.9	64422.3	79701.5	96056.3	113203.6
12.5°	14528.4	19104.8	24239.7	30044.8	37010.0	47245.2	60652.2	77013.8	96056.3	117368.4	133137.8
10°	15816.0	20713.5	26284.9	32775.9	41248.3	53380.3	69177.7	88748.9	113203.6	133137.8	149384.8
7.5°	16834.4	21989.4	27912.7	34960.8	45038.9	59243.5	77777.7	101193.0	125849.2	145823.3	161797.4
5°	17571.4	22914.7	29096.4	36555.1	47817.3	63566.0	84167.0	110695.9	134688.6	154522.7	170650.3
2.5°	18017.5	23475.7	29815.4	37526.0	49514.6	66217.8	88109.5	116607.9	140254.2	159860.8	176320.9
0°	18166.9	23663.7	30056.6	37852.1	50085.6	67112.0	89443.1	118616.6	142158.1	161630.8	178325.7
-2.5°	18017.5	23475.7	29815.4	37526.0	49514.6	66217.8	88109.5	116607.9	140254.2	159860.8	176320.9
-5°	17571.4	22914.7	29096.4	36555.1	47817.3	63566.0	84167.0	110695.9	134688.6	154522.7	170650.3
-7.5°	16834.4	21989.4	27912.7	34960.8	45038.9	59243.5	77777.7	101193.0	125849.2	145823.3	161797.4
-10°	15816.0	20713.5	26284.9	32775.9	41248.3	53380.3	69177.7	88748.9	113203.6	133137.8	149384.8
-12.5°	14528.4	19104.8	24239.7	30044.8	37010.0	47245.2	60652.2	77013.8	96056.3	117368.4	133137.8
-15°	13021.4	17309.0	22067.6	27391.2	33472.4	41161.4	51350.9	64422.3	79701.5	96056.3	113203.6
-17.5°	11404.8	15379.6	19671.3	24366.0	29570.3	35599.9	43543.5	53128.7	64422.3	77013.8	88748.9
-20°	9587.3	13232.1	17146.8	21381.0	25943.8	30823.2	36321.4	43543.5	51350.9	60652.2	69177.7



REPORT NUMBER: P1305380 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-4S-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	7801.9	11077.9	14595.9	18241.4	22252.4	26477.3	30823.2	35599.9	41161.4	47245.2	53380.3
-25°	5961.0	8789.4	11990.3	15296.0	18660.7	22252.4	25943.8	29570.3	33472.4	37010.0	41248.3
-27.5°	4465.6	6683.8	9340.8	12297.6	15296.0	18241.4	21381.0	24366.0	27391.2	30044.8	32775.9
-30°	3125.5	4766.6	6926.8	9340.8	11990.3	14595.9	17146.8	19671.3	22067.6	24239.7	26284.9
-32.5°	2752.0	3272.2	4766.6	6683.8	8789.4	11077.9	13232.1	15379.6	17309.0	19104.8	20713.5
-35°	2531.7	2752.0	3125.5	4465.6	5961.0	7801.9	9587.3	11404.8	13021.4	14528.4	15816.0
-37.5°	2354.1	2515.5	2706.6	2907.3	3870.9	4970.7	6354.2	7780.8	9052.2	10341.2	11414.6
-40°	2155.9	2322.6	2467.4	2616.7	2792.9	2996.9	3935.3	4781.8	5650.6	6656.8	7492.9
-42.5°	1957.3	2104.4	2256.1	2388.2	2507.8	2636.4	2775.4	2900.5	3337.5	3931.7	4424.5
-45°	1803.9	1909.9	2019.8	2153.2	2277.7	2382.4	2476.2	2560.4	2658.4	2745.8	2818.2
-47.5°	1677.2	1751.9	1839.9	1927.9	2019.1	2125.6	2222.7	2308.1	2376.5	2435.1	2483.5
-50°	1543.0	1626.3	1692.0	1753.6	1824.4	1894.3	1957.8	2025.7	2096.1	2156.3	2206.0
-52.5°	1383.1	1468.5	1546.8	1616.7	1669.6	1718.2	1762.3	1812.2	1858.1	1897.2	1929.5
-55°	1174.1	1274.5	1369.0	1442.2	1504.8	1562.3	1612.2	1648.4	1680.0	1707.0	1729.3
-57.5°	955.9	1052.1	1141.5	1222.7	1297.7	1366.6	1420.4	1462.9	1500.0	1531.7	1557.9
-60°	742.5	821.6	903.6	980.8	1052.1	1117.4	1174.1	1224.6	1268.7	1306.4	1337.4
-62.5°	544.9	612.0	679.6	742.5	800.6	856.7	910.1	957.7	999.3	1034.7	1063.8
-65°	375.4	429.3	479.9	527.0	570.8	618.6	661.7	700.1	733.6	762.2	785.6
-67.5°	249.7	283.3	314.8	344.1	378.8	414.1	446.1	474.5	499.2	520.3	537.6
-70°	160.4	177.8	194.1	213.2	237.0	258.8	278.4	295.8	311.0	323.9	334.5
-72.5°	96.9	107.8	119.0	132.2	144.4	155.4	165.4	174.3	182.0	188.6	194.0
-75°	49.4	54.9	63.6	71.7	79.2	86.0	92.2	97.7	102.4	106.4	109.8
-77.5°	28.3	31.5	34.5	37.2	39.8	42.1	44.1	46.0	47.6	49.0	50.1
-80°	20.1	20.9	21.7	22.4	23.0	23.6	24.1	24.6	25.0	25.3	25.6
-82.5°	13.5	14.1	14.6	15.1	15.6	16.0	16.4	16.8	17.1	17.3	17.5
-85°	8.0	8.3	8.5	8.7	8.9	9.1	9.2	9.3	9.5	9.6	9.7
-87.5°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305380 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-4S-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°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.7
85°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.7	9.6	9.5	9.3
82.5°	17.7	17.8	17.9	17.9	17.9	17.8	17.7	17.5	17.3	17.1	16.8
80°	25.8	26.0	26.1	26.1	26.1	26.0	25.8	25.6	25.3	25.0	24.6
77.5°	51.0	51.6	52.0	52.1	52.0	51.6	51.0	50.1	49.0	47.6	46.0
75°	112.4	114.2	115.3	115.7	115.3	114.2	112.4	109.8	106.4	102.4	97.7
72.5°	198.2	201.2	203.0	203.6	203.0	201.2	198.2	194.0	188.6	182.0	174.3
70°	342.8	348.7	352.3	353.5	352.3	348.7	342.8	334.5	323.9	311.0	295.8
67.5°	551.1	560.8	566.7	568.6	566.7	560.8	551.1	537.6	520.3	499.2	474.5
65°	803.9	817.1	825.0	827.6	825.0	817.1	803.9	785.6	762.2	733.6	700.1
62.5°	1086.6	1102.9	1112.7	1116.0	1112.7	1102.9	1086.6	1063.8	1034.7	999.3	957.7
60°	1361.6	1379.0	1389.4	1392.9	1389.4	1379.0	1361.6	1337.4	1306.4	1268.7	1224.6
57.5°	1578.3	1592.9	1601.8	1604.7	1601.8	1592.9	1578.3	1557.9	1531.7	1500.0	1462.9
55°	1746.7	1759.3	1766.8	1769.3	1766.8	1759.3	1746.7	1729.3	1707.0	1680.0	1648.4
52.5°	1954.8	1973.0	1983.9	1987.6	1983.9	1973.0	1954.8	1929.5	1897.2	1858.1	1812.2
50°	2245.0	2273.0	2289.9	2295.5	2289.9	2273.0	2245.0	2206.0	2156.3	2096.1	2025.7
47.5°	2521.5	2548.8	2565.3	2570.8	2565.3	2548.8	2521.5	2483.5	2435.1	2376.5	2308.1
45°	2875.0	2915.9	2940.6	2948.8	2940.6	2915.9	2875.0	2818.2	2745.8	2658.4	2560.4
42.5°	4812.0	5091.2	5259.7	5316.0	5259.7	5091.2	4812.0	4424.5	3931.7	3337.5	2900.5
40°	8151.5	8626.5	8913.4	9009.3	8913.4	8626.5	8151.5	7492.9	6656.8	5650.6	4781.8
37.5°	12261.7	12873.6	13243.5	13367.3	13243.5	12873.6	12261.7	11414.6	10341.2	9052.2	7780.8
35°	16834.4	17571.4	18017.5	18166.9	18017.5	17571.4	16834.4	15816.0	14528.4	13021.4	11404.8
32.5°	21989.4	22914.7	23475.7	23663.7	23475.7	22914.7	21989.4	20713.5	19104.8	17309.0	15379.6
30°	27912.7	29096.4	29815.4	30056.6	29815.4	29096.4	27912.7	26284.9	24239.7	22067.6	19671.3
27.5°	34960.8	36555.1	37526.0	37852.1	37526.0	36555.1	34960.8	32775.9	30044.8	27391.2	24366.0
25°	45038.9	47817.3	49514.6	50085.6	49514.6	47817.3	45038.9	41248.3	37010.0	33472.4	29570.3
22.5°	59243.5	63566.0	66217.8	67112.0	66217.8	63566.0	59243.5	53380.3	47245.2	41161.4	35599.9
20°	77777.7	84167.0	88109.5	89443.1	88109.5	84167.0	77777.7	69177.7	60652.2	51350.9	43543.5
17.5°	101193.0	110695.9	116607.9	118616.6	116607.9	110695.9	101193.0	88748.9	77013.8	64422.3	53128.7
15°	125849.2	134688.6	140254.2	142158.1	140254.2	134688.6	125849.2	113203.6	96056.3	79701.5	64422.3
12.5°	145823.3	154522.7	159860.8	161630.8	159860.8	154522.7	145823.3	133137.8	117368.4	96056.3	77013.8
10°	161797.4	170650.3	176320.9	178325.7	176320.9	170650.3	161797.4	149384.8	133137.8	113203.6	88748.9
7.5°	174434.1	184426.3	190478.4	192632.2	190478.4	184426.3	174434.1	161797.4	145823.3	125849.2	101193.0
5°	184426.3	194946.2	202109.6	204630.3	202109.6	194946.2	184426.3	170650.3	154522.7	134688.6	110695.9
2.5°	190478.4	202109.6	209029.4	211017.5	209029.4	202109.6	190478.4	176320.9	159860.8	140254.2	116607.9
0°	192632.2	204630.3	211017.5	211922.4	211017.5	204630.3	192632.2	178325.7	161630.8	142158.1	118616.6
-2.5°	190478.4	202109.6	209029.4	211017.5	209029.4	202109.6	190478.4	176320.9	159860.8	140254.2	116607.9
-5°	184426.3	194946.2	202109.6	204630.3	202109.6	194946.2	184426.3	170650.3	154522.7	134688.6	110695.9
-7.5°	174434.1	184426.3	190478.4	192632.2	190478.4	184426.3	174434.1	161797.4	145823.3	125849.2	101193.0
-10°	161797.4	170650.3	176320.9	178325.7	176320.9	170650.3	161797.4	149384.8	133137.8	113203.6	88748.9
-12.5°	145823.3	154522.7	159860.8	161630.8	159860.8	154522.7	145823.3	133137.8	117368.4	96056.3	77013.8
-15°	125849.2	134688.6	140254.2	142158.1	140254.2	134688.6	125849.2	113203.6	96056.3	79701.5	64422.3
-17.5°	101193.0	110695.9	116607.9	118616.6	116607.9	110695.9	101193.0	88748.9	77013.8	64422.3	53128.7
-20°	77777.7	84167.0	88109.5	89443.1	88109.5	84167.0	77777.7	69177.7	60652.2	51350.9	43543.5



REPORT NUMBER: P1305380 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	59243.5	63566.0	66217.8	67112.0	66217.8	63566.0	59243.5	53380.3	47245.2	41161.4	35599.9
-25°	45038.9	47817.3	49514.6	50085.6	49514.6	47817.3	45038.9	41248.3	37010.0	33472.4	29570.3
-27.5°	34960.8	36555.1	37526.0	37852.1	37526.0	36555.1	34960.8	32775.9	30044.8	27391.2	24366.0
-30°	27912.7	29096.4	29815.4	30056.6	29815.4	29096.4	27912.7	26284.9	24239.7	22067.6	19671.3
-32.5°	21989.4	22914.7	23475.7	23663.7	23475.7	22914.7	21989.4	20713.5	19104.8	17309.0	15379.6
-35°	16834.4	17571.4	18017.5	18166.9	18017.5	17571.4	16834.4	15816.0	14528.4	13021.4	11404.8
-37.5°	12261.7	12873.6	13243.5	13367.3	13243.5	12873.6	12261.7	11414.6	10341.2	9052.2	7780.8
-40°	8151.5	8626.5	8913.4	9009.3	8913.4	8626.5	8151.5	7492.9	6656.8	5650.6	4781.8
-42.5°	4812.0	5091.2	5259.7	5316.0	5259.7	5091.2	4812.0	4424.5	3931.7	3337.5	2900.5
-45°	2875.0	2915.9	2940.6	2948.8	2940.6	2915.9	2875.0	2818.2	2745.8	2658.4	2560.4
-47.5°	2521.5	2548.8	2565.3	2570.8	2565.3	2548.8	2521.5	2483.5	2435.1	2376.5	2308.1
-50°	2245.0	2273.0	2289.9	2295.5	2289.9	2273.0	2245.0	2206.0	2156.3	2096.1	2025.7
-52.5°	1954.8	1973.0	1983.9	1987.6	1983.9	1973.0	1954.8	1929.5	1897.2	1858.1	1812.2
-55°	1746.7	1759.3	1766.8	1769.3	1766.8	1759.3	1746.7	1729.3	1707.0	1680.0	1648.4
-57.5°	1578.3	1592.9	1601.8	1604.7	1601.8	1592.9	1578.3	1557.9	1531.7	1500.0	1462.9
-60°	1361.6	1379.0	1389.4	1392.9	1389.4	1379.0	1361.6	1337.4	1306.4	1268.7	1224.6
-62.5°	1086.6	1102.9	1112.7	1116.0	1112.7	1102.9	1086.6	1063.8	1034.7	999.3	957.7
-65°	803.9	817.1	825.0	827.6	825.0	817.1	803.9	785.6	762.2	733.6	700.1
-67.5°	551.1	560.8	566.7	568.6	566.7	560.8	551.1	537.6	520.3	499.2	474.5
-70°	342.8	348.7	352.3	353.5	352.3	348.7	342.8	334.5	323.9	311.0	295.8
-72.5°	198.2	201.2	203.0	203.6	203.0	201.2	198.2	194.0	188.6	182.0	174.3
-75°	112.4	114.2	115.3	115.7	115.3	114.2	112.4	109.8	106.4	102.4	97.7
-77.5°	51.0	51.6	52.0	52.1	52.0	51.6	51.0	50.1	49.0	47.6	46.0
-80°	25.8	26.0	26.1	26.1	26.1	26.0	25.8	25.6	25.3	25.0	24.6
-82.5°	17.7	17.8	17.9	17.9	17.9	17.8	17.7	17.5	17.3	17.1	16.8
-85°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.7	9.6	9.5	9.3
-87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.7
-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):

	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°	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.6	3.5
85°	9.2	9.1	8.9	8.7	8.5	8.3	8.0	7.8	7.5	7.2	6.9
82.5°	16.4	16.0	15.6	15.1	14.6	14.1	13.5	12.9	12.2	11.5	10.8
80°	24.1	23.6	23.0	22.4	21.7	20.9	20.1	19.3	18.4	17.4	16.5
77.5°	44.1	42.1	39.8	37.2	34.5	31.5	28.3	25.7	24.6	23.4	22.2
75°	92.2	86.0	79.2	71.7	63.6	54.9	49.4	45.3	41.0	36.5	31.8
72.5°	165.4	155.4	144.4	132.2	119.0	107.8	96.9	85.2	72.9	60.0	49.8
70°	278.4	258.8	237.0	213.2	194.1	177.8	160.4	141.9	122.3	105.7	90.1
67.5°	446.1	414.1	378.8	344.1	314.8	283.3	249.7	214.0	187.7	164.5	140.3
65°	661.7	618.6	570.8	527.0	479.9	429.3	375.4	328.9	286.9	242.9	199.7
62.5°	910.1	856.7	800.6	742.5	679.6	612.0	544.9	481.7	415.0	347.7	296.9
60°	1174.1	1117.4	1052.1	980.8	903.6	821.6	742.5	658.8	570.8	493.9	414.1
57.5°	1420.4	1366.6	1297.7	1222.7	1141.5	1052.1	955.9	854.2	755.6	655.3	553.9
55°	1612.2	1562.3	1504.8	1442.2	1369.0	1274.5	1174.1	1066.2	950.4	829.5	716.5
52.5°	1762.3	1718.2	1669.6	1616.7	1546.8	1468.5	1383.1	1268.7	1148.9	1020.1	884.9
50°	1957.8	1894.3	1824.4	1753.6	1692.0	1626.3	1543.0	1448.9	1337.4	1203.3	1062.2
47.5°	2222.7	2125.6	2019.1	1927.9	1839.9	1751.9	1677.2	1597.1	1491.8	1379.0	1230.8
45°	2476.2	2382.4	2277.7	2153.2	2019.8	1909.9	1803.9	1711.6	1624.3	1513.4	1392.9
42.5°	2775.4	2636.4	2507.8	2388.2	2256.1	2104.4	1957.3	1838.9	1729.0	1632.8	1513.4
40°	3935.3	2996.9	2792.9	2616.7	2467.4	2322.6	2155.9	1981.2	1850.7	1729.0	1624.3
37.5°	6354.2	4970.7	3870.9	2907.3	2706.6	2515.5	2354.1	2173.1	1981.2	1838.9	1711.6
35°	9587.3	7801.9	5961.0	4465.6	3125.5	2752.0	2531.7	2354.1	2155.9	1957.3	1803.9
32.5°	13232.1	11077.9	8789.4	6683.8	4766.6	3272.2	2752.0	2515.5	2322.6	2104.4	1909.9
30°	17146.8	14595.9	11990.3	9340.8	6926.8	4766.6	3125.5	2706.6	2467.4	2256.1	2019.8
27.5°	21381.0	18241.4	15296.0	12297.6	9340.8	6683.8	4465.6	2907.3	2616.7	2388.2	2153.2
25°	25943.8	22252.4	18660.7	15296.0	11990.3	8789.4	5961.0	3870.9	2792.9	2507.8	2277.7
22.5°	30823.2	26477.3	22252.4	18241.4	14595.9	11077.9	7801.9	4970.7	2996.9	2636.4	2382.4
20°	36321.4	30823.2	25943.8	21381.0	17146.8	13232.1	9587.3	6354.2	3935.3	2775.4	2476.2
17.5°	43543.5	35599.9	29570.3	24366.0	19671.3	15379.6	11404.8	7780.8	4781.8	2900.5	2560.4
15°	51350.9	41161.4	33472.4	27391.2	22067.6	17309.0	13021.4	9052.2	5650.6	3337.5	2658.4
12.5°	60652.2	47245.2	37010.0	30044.8	24239.7	19104.8	14528.4	10341.2	6656.8	3931.7	2745.8
10°	69177.7	53380.3	41248.3	32775.9	26284.9	20713.5	15816.0	11414.6	7492.9	4424.5	2818.2
7.5°	77777.7	59243.5	45038.9	34960.8	27912.7	21989.4	16834.4	12261.7	8151.5	4812.0	2875.0
5°	84167.0	63566.0	47817.3	36555.1	29096.4	22914.7	17571.4	12873.6	8626.5	5091.2	2915.9
2.5°	88109.5	66217.8	49514.6	37526.0	29815.4	23475.7	18017.5	13243.5	8913.4	5259.7	2940.6
0°	89443.1	67112.0	50085.6	37852.1	30056.6	23663.7	18166.9	13367.3	9009.3	5316.0	2948.8
-2.5°	88109.5	66217.8	49514.6	37526.0	29815.4	23475.7	18017.5	13243.5	8913.4	5259.7	2940.6
-5°	84167.0	63566.0	47817.3	36555.1	29096.4	22914.7	17571.4	12873.6	8626.5	5091.2	2915.9
-7.5°	77777.7	59243.5	45038.9	34960.8	27912.7	21989.4	16834.4	12261.7	8151.5	4812.0	2875.0
-10°	69177.7	53380.3	41248.3	32775.9	26284.9	20713.5	15816.0	11414.6	7492.9	4424.5	2818.2
-12.5°	60652.2	47245.2	37010.0	30044.8	24239.7	19104.8	14528.4	10341.2	6656.8	3931.7	2745.8
-15°	51350.9	41161.4	33472.4	27391.2	22067.6	17309.0	13021.4	9052.2	5650.6	3337.5	2658.4
-17.5°	43543.5	35599.9	29570.3	24366.0	19671.3	15379.6	11404.8	7780.8	4781.8	2900.5	2560.4
-20°	36321.4	30823.2	25943.8	21381.0	17146.8	13232.1	9587.3	6354.2	3935.3	2775.4	2476.2



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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°	30823.2	26477.3	22252.4	18241.4	14595.9	11077.9	7801.9	4970.7	2996.9	2636.4	2382.4
-25°	25943.8	22252.4	18660.7	15296.0	11990.3	8789.4	5961.0	3870.9	2792.9	2507.8	2277.7
-27.5°	21381.0	18241.4	15296.0	12297.6	9340.8	6683.8	4465.6	2907.3	2616.7	2388.2	2153.2
-30°	17146.8	14595.9	11990.3	9340.8	6926.8	4766.6	3125.5	2706.6	2467.4	2256.1	2019.8
-32.5°	13232.1	11077.9	8789.4	6683.8	4766.6	3272.2	2752.0	2515.5	2322.6	2104.4	1909.9
-35°	9587.3	7801.9	5961.0	4465.6	3125.5	2752.0	2531.7	2354.1	2155.9	1957.3	1803.9
-37.5°	6354.2	4970.7	3870.9	2907.3	2706.6	2515.5	2354.1	2173.1	1981.2	1838.9	1711.6
-40°	3935.3	2996.9	2792.9	2616.7	2467.4	2322.6	2155.9	1981.2	1850.7	1729.0	1624.3
-42.5°	2775.4	2636.4	2507.8	2388.2	2256.1	2104.4	1957.3	1838.9	1729.0	1632.8	1513.4
-45°	2476.2	2382.4	2277.7	2153.2	2019.8	1909.9	1803.9	1711.6	1624.3	1513.4	1392.9
-47.5°	2222.7	2125.6	2019.1	1927.9	1839.9	1751.9	1677.2	1597.1	1491.8	1379.0	1230.8
-50°	1957.8	1894.3	1824.4	1753.6	1692.0	1626.3	1543.0	1448.9	1337.4	1203.3	1062.2
-52.5°	1762.3	1718.2	1669.6	1616.7	1546.8	1468.5	1383.1	1268.7	1148.9	1020.1	884.9
-55°	1612.2	1562.3	1504.8	1442.2	1369.0	1274.5	1174.1	1066.2	950.4	829.5	716.5
-57.5°	1420.4	1366.6	1297.7	1222.7	1141.5	1052.1	955.9	854.2	755.6	655.3	553.9
-60°	1174.1	1117.4	1052.1	980.8	903.6	821.6	742.5	658.8	570.8	493.9	414.1
-62.5°	910.1	856.7	800.6	742.5	679.6	612.0	544.9	481.7	415.0	347.7	296.9
-65°	661.7	618.6	570.8	527.0	479.9	429.3	375.4	328.9	286.9	242.9	199.7
-67.5°	446.1	414.1	378.8	344.1	314.8	283.3	249.7	214.0	187.7	164.5	140.3
-70°	278.4	258.8	237.0	213.2	194.1	177.8	160.4	141.9	122.3	105.7	90.1
-72.5°	165.4	155.4	144.4	132.2	119.0	107.8	96.9	85.2	72.9	60.0	49.8
-75°	92.2	86.0	79.2	71.7	63.6	54.9	49.4	45.3	41.0	36.5	31.8
-77.5°	44.1	42.1	39.8	37.2	34.5	31.5	28.3	25.7	24.6	23.4	22.2
-80°	24.1	23.6	23.0	22.4	21.7	20.9	20.1	19.3	18.4	17.4	16.5
-82.5°	16.4	16.0	15.6	15.1	14.6	14.1	13.5	12.9	12.2	11.5	10.8
-85°	9.2	9.1	8.9	8.7	8.5	8.3	8.0	7.8	7.5	7.2	6.9
-87.5°	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.6	3.5
-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: P1305380 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-4S-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°	3.3	3.1	3.0	2.8	2.6	2.4	2.3	2.1	1.9	1.7	1.5
85°	6.6	6.3	6.0	5.6	5.3	4.9	4.5	4.1	3.7	3.3	2.9
82.5°	10.0	9.4	8.9	8.4	7.9	7.3	6.8	6.2	5.6	5.0	4.4
80°	15.4	14.4	13.3	12.1	10.9	9.8	9.0	8.2	7.5	6.7	5.9
77.5°	20.9	19.5	18.1	16.7	15.2	13.7	12.2	10.6	9.3	8.3	7.3
75°	26.8	24.7	23.0	21.3	19.5	17.7	15.8	13.9	12.0	10.1	8.7
72.5°	44.0	38.0	31.8	25.9	23.8	21.7	19.5	17.3	15.0	12.7	10.4
70°	74.0	57.2	47.1	39.8	32.2	25.6	23.1	20.6	18.0	15.4	12.7
67.5°	115.3	96.4	76.8	56.7	45.5	36.8	27.9	23.8	20.9	18.0	15.0
65°	171.6	142.5	113.4	91.0	68.0	49.0	39.1	29.1	23.8	20.6	17.3
62.5°	244.2	195.4	162.3	128.3	99.5	73.7	50.1	39.1	27.9	23.1	19.5
60°	338.1	278.4	216.8	174.3	136.2	102.4	73.7	49.0	36.8	25.6	21.7
57.5°	464.0	371.1	299.1	230.6	178.3	136.2	99.5	68.0	45.5	32.2	23.8
55°	599.6	494.2	391.1	306.0	230.6	174.3	128.3	91.0	56.7	39.8	25.9
52.5°	753.5	624.1	504.2	391.1	299.1	216.8	162.3	113.4	76.8	47.1	31.8
50°	912.8	765.9	624.1	494.2	371.1	278.4	195.4	142.5	96.4	57.2	38.0
47.5°	1076.4	912.8	753.5	599.6	464.0	338.1	244.2	171.6	115.3	74.0	44.0
45°	1230.8	1062.2	884.9	716.5	553.9	414.1	296.9	199.7	140.3	90.1	49.8
42.5°	1379.0	1203.3	1020.1	829.5	655.3	493.9	347.7	242.9	164.5	105.7	60.0
40°	1491.8	1337.4	1148.9	950.4	755.6	570.8	415.0	286.9	187.7	122.3	72.9
37.5°	1597.1	1448.9	1268.7	1066.2	854.2	658.8	481.7	328.9	214.0	141.9	85.2
35°	1677.2	1543.0	1383.1	1174.1	955.9	742.5	544.9	375.4	249.7	160.4	96.9
32.5°	1751.9	1626.3	1468.5	1274.5	1052.1	821.6	612.0	429.3	283.3	177.8	107.8
30°	1839.9	1692.0	1546.8	1369.0	1141.5	903.6	679.6	479.9	314.8	194.1	119.0
27.5°	1927.9	1753.6	1616.7	1442.2	1222.7	980.8	742.5	527.0	344.1	213.2	132.2
25°	2019.1	1824.4	1669.6	1504.8	1297.7	1052.1	800.6	570.8	378.8	237.0	144.4
22.5°	2125.6	1894.3	1718.2	1562.3	1366.6	1117.4	856.7	618.6	414.1	258.8	155.4
20°	2222.7	1957.8	1762.3	1612.2	1420.4	1174.1	910.1	661.7	446.1	278.4	165.4
17.5°	2308.1	2025.7	1812.2	1648.4	1462.9	1224.6	957.7	700.1	474.5	295.8	174.3
15°	2376.5	2096.1	1858.1	1680.0	1500.0	1268.7	999.3	733.6	499.2	311.0	182.0
12.5°	2435.1	2156.3	1897.2	1707.0	1531.7	1306.4	1034.7	762.2	520.3	323.9	188.6
10°	2483.5	2206.0	1929.5	1729.3	1557.9	1337.4	1063.8	785.6	537.6	334.5	194.0
7.5°	2521.5	2245.0	1954.8	1746.7	1578.3	1361.6	1086.6	803.9	551.1	342.8	198.2
5°	2548.8	2273.0	1973.0	1759.3	1592.9	1379.0	1102.9	817.1	560.8	348.7	201.2
2.5°	2565.3	2289.9	1983.9	1766.8	1601.8	1389.4	1112.7	825.0	566.7	352.3	203.0
0°	2570.8	2295.5	1987.6	1769.3	1604.7	1392.9	1116.0	827.6	568.6	353.5	203.6
-2.5°	2565.3	2289.9	1983.9	1766.8	1601.8	1389.4	1112.7	825.0	566.7	352.3	203.0
-5°	2548.8	2273.0	1973.0	1759.3	1592.9	1379.0	1102.9	817.1	560.8	348.7	201.2
-7.5°	2521.5	2245.0	1954.8	1746.7	1578.3	1361.6	1086.6	803.9	551.1	342.8	198.2
-10°	2483.5	2206.0	1929.5	1729.3	1557.9	1337.4	1063.8	785.6	537.6	334.5	194.0
-12.5°	2435.1	2156.3	1897.2	1707.0	1531.7	1306.4	1034.7	762.2	520.3	323.9	188.6
-15°	2376.5	2096.1	1858.1	1680.0	1500.0	1268.7	999.3	733.6	499.2	311.0	182.0
-17.5°	2308.1	2025.7	1812.2	1648.4	1462.9	1224.6	957.7	700.1	474.5	295.8	174.3
-20°	2222.7	1957.8	1762.3	1612.2	1420.4	1174.1	910.1	661.7	446.1	278.4	165.4



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2125.6	1894.3	1718.2	1562.3	1366.6	1117.4	856.7	618.6	414.1	258.8	155.4
-25°	2019.1	1824.4	1669.6	1504.8	1297.7	1052.1	800.6	570.8	378.8	237.0	144.4
-27.5°	1927.9	1753.6	1616.7	1442.2	1222.7	980.8	742.5	527.0	344.1	213.2	132.2
-30°	1839.9	1692.0	1546.8	1369.0	1141.5	903.6	679.6	479.9	314.8	194.1	119.0
-32.5°	1751.9	1626.3	1468.5	1274.5	1052.1	821.6	612.0	429.3	283.3	177.8	107.8
-35°	1677.2	1543.0	1383.1	1174.1	955.9	742.5	544.9	375.4	249.7	160.4	96.9
-37.5°	1597.1	1448.9	1268.7	1066.2	854.2	658.8	481.7	328.9	214.0	141.9	85.2
-40°	1491.8	1337.4	1148.9	950.4	755.6	570.8	415.0	286.9	187.7	122.3	72.9
-42.5°	1379.0	1203.3	1020.1	829.5	655.3	493.9	347.7	242.9	164.5	105.7	60.0
-45°	1230.8	1062.2	884.9	716.5	553.9	414.1	296.9	199.7	140.3	90.1	49.8
-47.5°	1076.4	912.8	753.5	599.6	464.0	338.1	244.2	171.6	115.3	74.0	44.0
-50°	912.8	765.9	624.1	494.2	371.1	278.4	195.4	142.5	96.4	57.2	38.0
-52.5°	753.5	624.1	504.2	391.1	299.1	216.8	162.3	113.4	76.8	47.1	31.8
-55°	599.6	494.2	391.1	306.0	230.6	174.3	128.3	91.0	56.7	39.8	25.9
-57.5°	464.0	371.1	299.1	230.6	178.3	136.2	99.5	68.0	45.5	32.2	23.8
-60°	338.1	278.4	216.8	174.3	136.2	102.4	73.7	49.0	36.8	25.6	21.7
-62.5°	244.2	195.4	162.3	128.3	99.5	73.7	50.1	39.1	27.9	23.1	19.5
-65°	171.6	142.5	113.4	91.0	68.0	49.0	39.1	29.1	23.8	20.6	17.3
-67.5°	115.3	96.4	76.8	56.7	45.5	36.8	27.9	23.8	20.9	18.0	15.0
-70°	74.0	57.2	47.1	39.8	32.2	25.6	23.1	20.6	18.0	15.4	12.7
-72.5°	44.0	38.0	31.8	25.9	23.8	21.7	19.5	17.3	15.0	12.7	10.4
-75°	26.8	24.7	23.0	21.3	19.5	17.7	15.8	13.9	12.0	10.1	8.7
-77.5°	20.9	19.5	18.1	16.7	15.2	13.7	12.2	10.6	9.3	8.3	7.3
-80°	15.4	14.4	13.3	12.1	10.9	9.8	9.0	8.2	7.5	6.7	5.9
-82.5°	10.0	9.4	8.9	8.4	7.9	7.3	6.8	6.2	5.6	5.0	4.4
-85°	6.6	6.3	6.0	5.6	5.3	4.9	4.5	4.1	3.7	3.3	2.9
-87.5°	3.3	3.1	3.0	2.8	2.6	2.4	2.3	2.1	1.9	1.7	1.5
-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°	1.3	1.1	0.9	0.6	0.4	0.2	0.0
85°	2.5	2.1	1.7	1.3	0.9	0.4	0.0
82.5°	3.8	3.2	2.5	1.9	1.3	0.6	0.0
80°	5.0	4.2	3.4	2.5	1.7	0.9	0.0
77.5°	6.3	5.3	4.2	3.2	2.1	1.1	0.0
75°	7.5	6.3	5.0	3.8	2.5	1.3	0.0
72.5°	8.7	7.3	5.9	4.4	2.9	1.5	0.0
70°	10.1	8.3	6.7	5.0	3.3	1.7	0.0
67.5°	12.0	9.3	7.5	5.6	3.7	1.9	0.0
65°	13.9	10.6	8.2	6.2	4.1	2.1	0.0
62.5°	15.8	12.2	9.0	6.8	4.5	2.3	0.0
60°	17.7	13.7	9.8	7.3	4.9	2.4	0.0
57.5°	19.5	15.2	10.9	7.9	5.3	2.6	0.0
55°	21.3	16.7	12.1	8.4	5.6	2.8	0.0
52.5°	23.0	18.1	13.3	8.9	6.0	3.0	0.0
50°	24.7	19.5	14.4	9.4	6.3	3.1	0.0
47.5°	26.8	20.9	15.4	10.0	6.6	3.3	0.0
45°	31.8	22.2	16.5	10.8	6.9	3.5	0.0
42.5°	36.5	23.4	17.4	11.5	7.2	3.6	0.0
40°	41.0	24.6	18.4	12.2	7.5	3.8	0.0
37.5°	45.3	25.7	19.3	12.9	7.8	3.9	0.0
35°	49.4	28.3	20.1	13.5	8.0	4.0	0.0
32.5°	54.9	31.5	20.9	14.1	8.3	4.1	0.0
30°	63.6	34.5	21.7	14.6	8.5	4.2	0.0
27.5°	71.7	37.2	22.4	15.1	8.7	4.3	0.0
25°	79.2	39.8	23.0	15.6	8.9	4.4	0.0
22.5°	86.0	42.1	23.6	16.0	9.1	4.5	0.0
20°	92.2	44.1	24.1	16.4	9.2	4.6	0.0
17.5°	97.7	46.0	24.6	16.8	9.3	4.7	0.0
15°	102.4	47.6	25.0	17.1	9.5	4.7	0.0
12.5°	106.4	49.0	25.3	17.3	9.6	4.8	0.0
10°	109.8	50.1	25.6	17.5	9.7	4.8	0.0
7.5°	112.4	51.0	25.8	17.7	9.7	4.9	0.0
5°	114.2	51.6	26.0	17.8	9.8	4.9	0.0
2.5°	115.3	52.0	26.1	17.9	9.8	4.9	0.0
0°	115.7	52.1	26.1	17.9	9.8	4.9	0.0
-2.5°	115.3	52.0	26.1	17.9	9.8	4.9	0.0
-5°	114.2	51.6	26.0	17.8	9.8	4.9	0.0
-7.5°	112.4	51.0	25.8	17.7	9.7	4.9	0.0
-10°	109.8	50.1	25.6	17.5	9.7	4.8	0.0
-12.5°	106.4	49.0	25.3	17.3	9.6	4.8	0.0
-15°	102.4	47.6	25.0	17.1	9.5	4.7	0.0
-17.5°	97.7	46.0	24.6	16.8	9.3	4.7	0.0
-20°	92.2	44.1	24.1	16.4	9.2	4.6	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	86.0	42.1	23.6	16.0	9.1	4.5	0.0
-25°	79.2	39.8	23.0	15.6	8.9	4.4	0.0
-27.5°	71.7	37.2	22.4	15.1	8.7	4.3	0.0
-30°	63.6	34.5	21.7	14.6	8.5	4.2	0.0
-32.5°	54.9	31.5	20.9	14.1	8.3	4.1	0.0
-35°	49.4	28.3	20.1	13.5	8.0	4.0	0.0
-37.5°	45.3	25.7	19.3	12.9	7.8	3.9	0.0
-40°	41.0	24.6	18.4	12.2	7.5	3.8	0.0
-42.5°	36.5	23.4	17.4	11.5	7.2	3.6	0.0
-45°	31.8	22.2	16.5	10.8	6.9	3.5	0.0
-47.5°	26.8	20.9	15.4	10.0	6.6	3.3	0.0
-50°	24.7	19.5	14.4	9.4	6.3	3.1	0.0
-52.5°	23.0	18.1	13.3	8.9	6.0	3.0	0.0
-55°	21.3	16.7	12.1	8.4	5.6	2.8	0.0
-57.5°	19.5	15.2	10.9	7.9	5.3	2.6	0.0
-60°	17.7	13.7	9.8	7.3	4.9	2.4	0.0
-62.5°	15.8	12.2	9.0	6.8	4.5	2.3	0.0
-65°	13.9	10.6	8.2	6.2	4.1	2.1	0.0
-67.5°	12.0	9.3	7.5	5.6	3.7	1.9	0.0
-70°	10.1	8.3	6.7	5.0	3.3	1.7	0.0
-72.5°	8.7	7.3	5.9	4.4	2.9	1.5	0.0
-75°	7.5	6.3	5.0	3.8	2.5	1.3	0.0
-77.5°	6.3	5.3	4.2	3.2	2.1	1.1	0.0
-80°	5.0	4.2	3.4	2.5	1.7	0.9	0.0
-82.5°	3.8	3.2	2.5	1.9	1.3	0.6	0.0
-85°	2.5	2.1	1.7	1.3	0.9	0.4	0.0
-87.5°	1.3	1.1	0.9	0.6	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)