

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: P1305892 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-80-7F-HEG-A**

Issue Date: 2/3/2026

Test Information

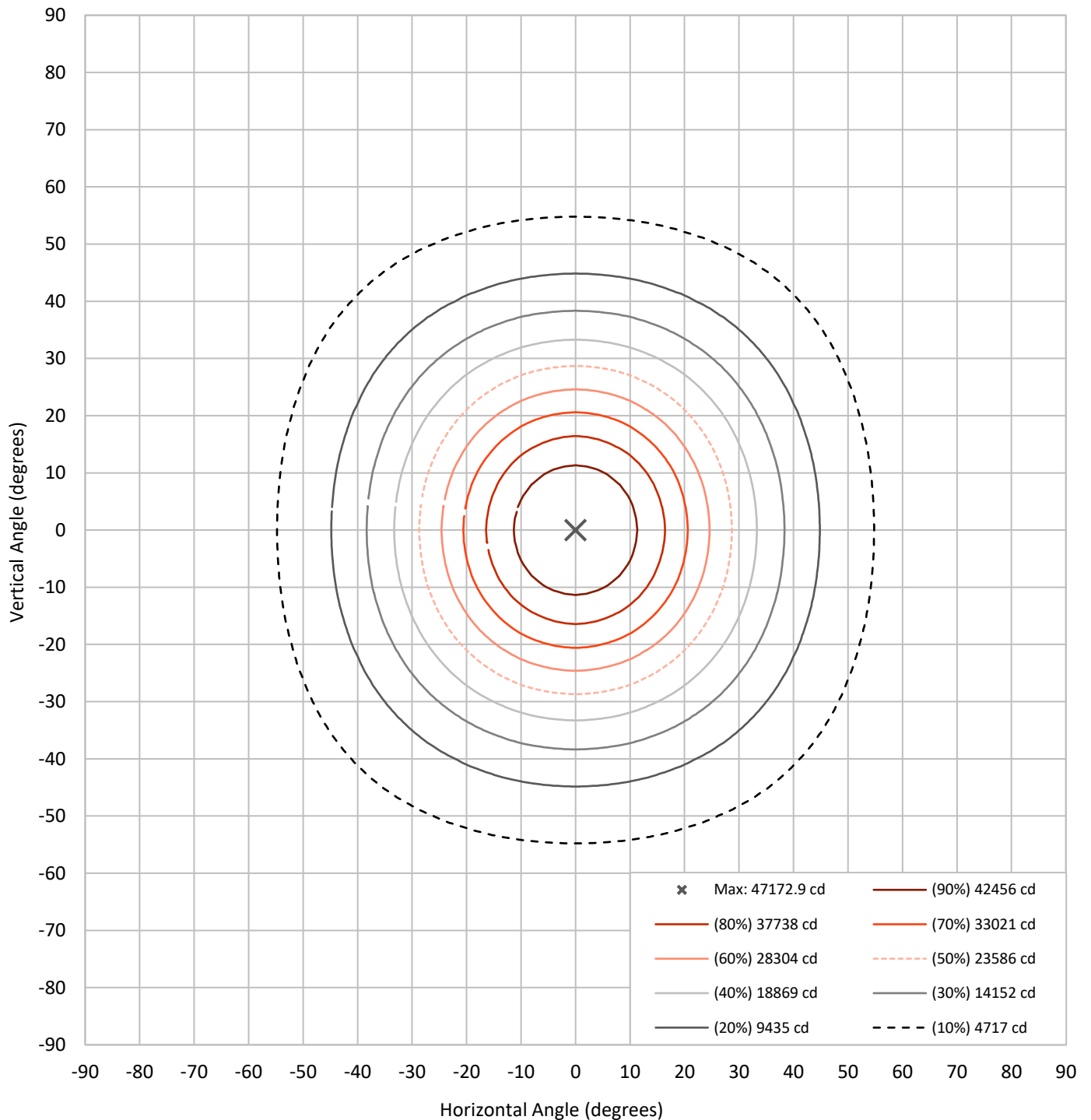
Test Method: LM-79-08
Report Number: P1305892 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-7)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-320N-40-80-7F-HEG-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	53225.4 lumens	Max Intensity:	47172.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	159.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.4°H x 57.4°V	Field Angle (10%):	109.4°H x 109.4°V
Beam Lumens:	26213.5 lumens	Field Lumens:	48286.9 lumens
Beam Efficiency:	49.2%	Field Efficiency:	90.7%
Input Watts (W):	334		
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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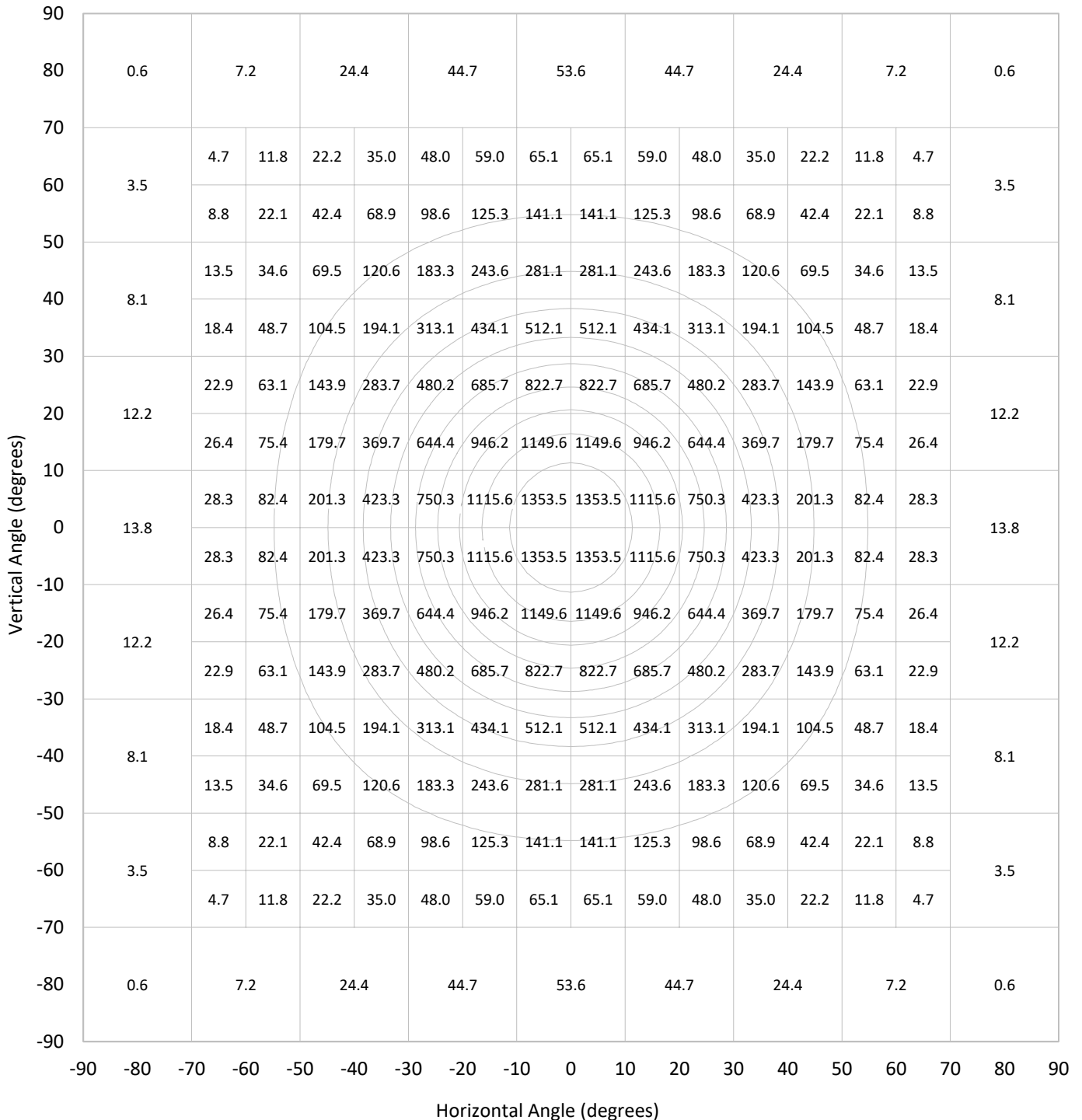
Iso-Candela Plot





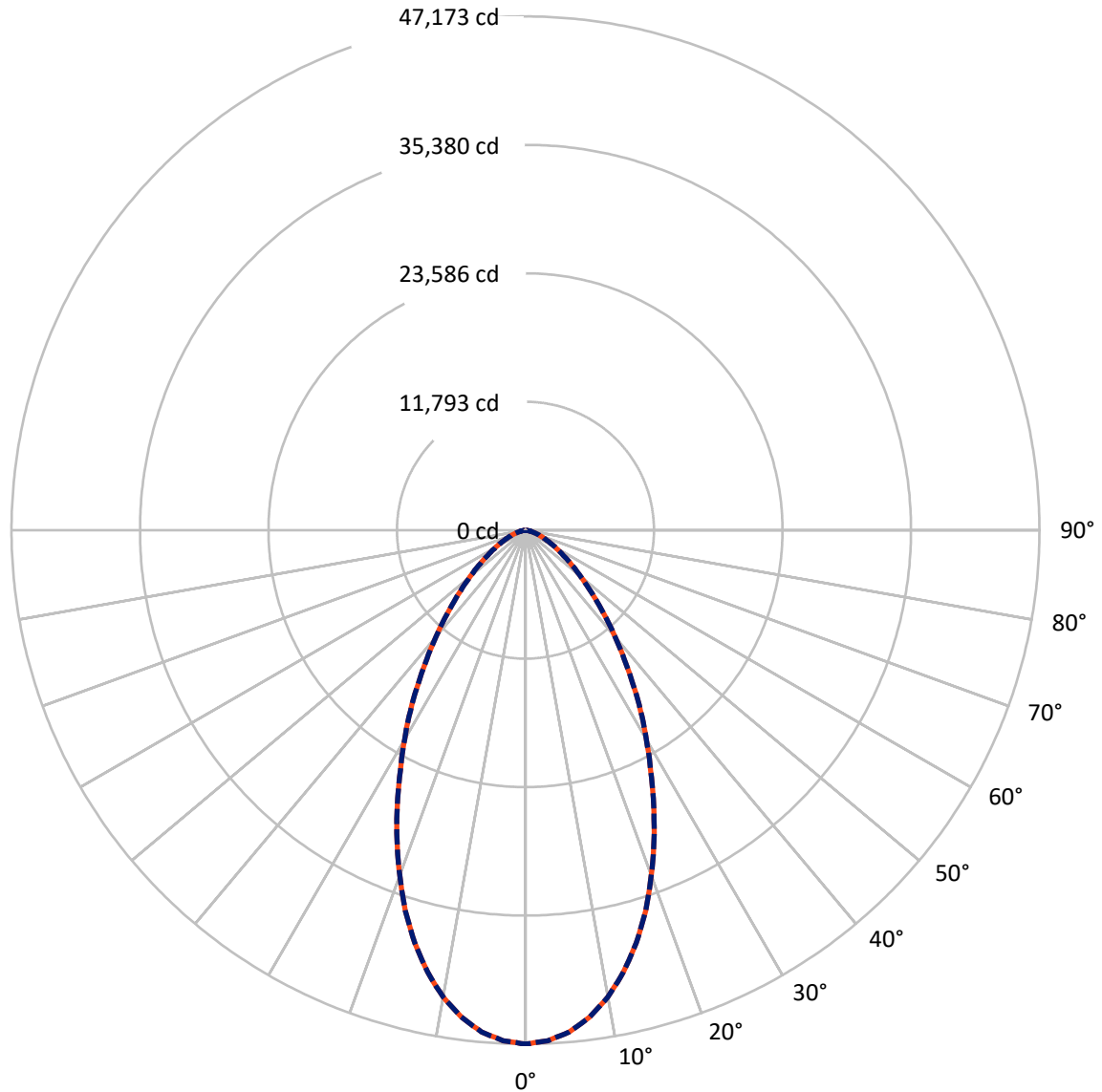
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Lumen Table



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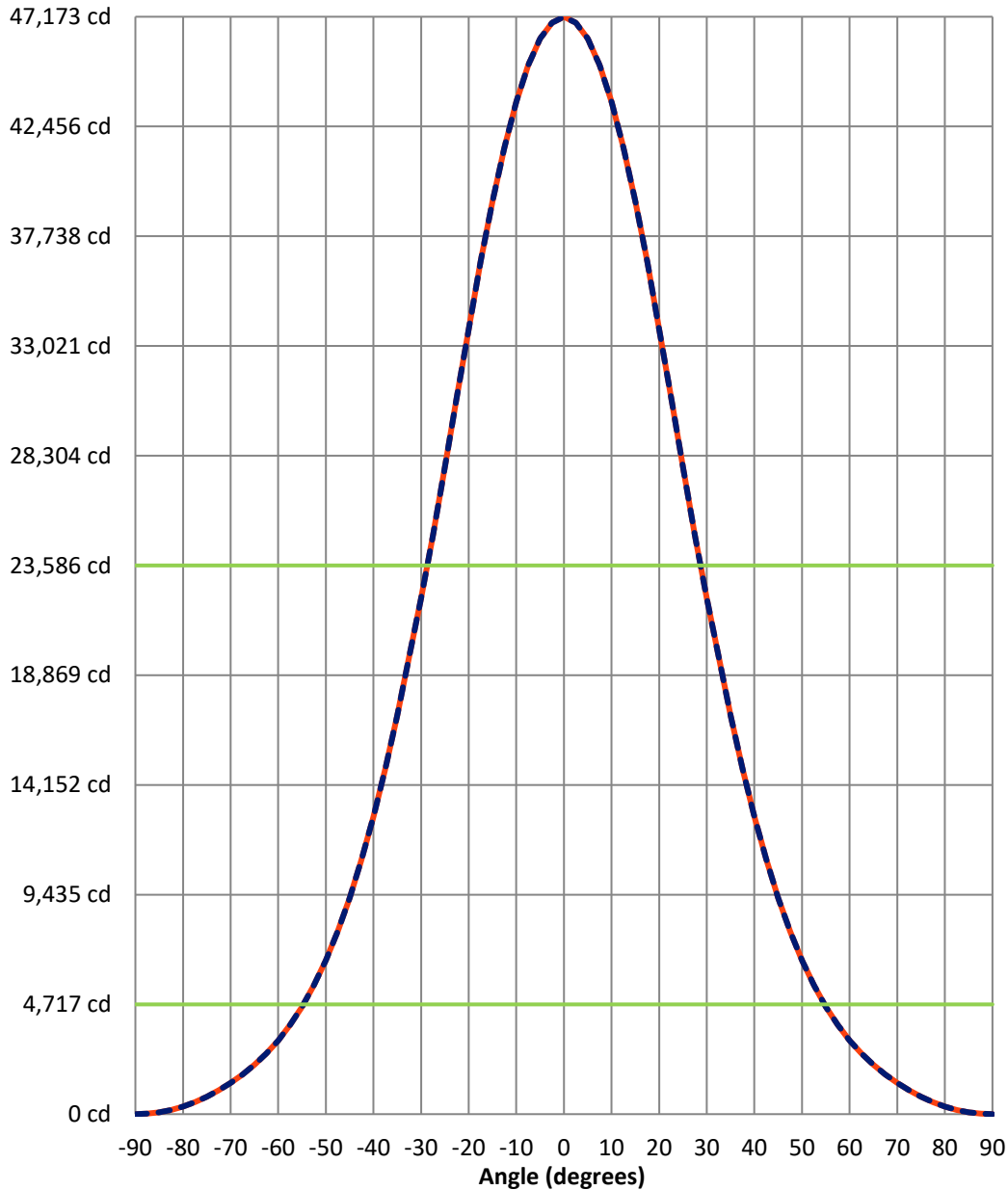
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 57.4°
V Angle: 57.4°
Lumens: 26213.5
Efficiency: 49.2%

Field:
H Angle: 109.4°
V Angle: 109.4°
Lumens: 48286.9
Efficiency: 90.7%

Spill:
Lumens: 4938.5
Efficiency: 9.3%

— 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	1.0	2.1	3.1	4.2	5.2	6.2	7.2	8.2	9.2	10.1
85°	0.0	2.1	4.2	6.3	8.3	10.4	12.4	14.4	16.4	18.3	20.3
82.5°	0.0	3.1	6.3	9.4	12.5	15.5	18.6	21.6	25.3	31.9	38.5
80°	0.0	4.2	8.3	12.5	16.6	20.7	25.7	34.8	43.8	52.7	61.4
77.5°	0.0	5.2	10.4	15.5	20.7	28.0	39.6	50.9	62.2	73.3	88.6
75°	0.0	6.2	12.4	18.6	25.7	39.6	53.3	67.0	81.8	106.0	129.7
72.5°	0.0	7.2	14.4	21.6	34.8	50.9	67.0	86.2	114.7	142.8	170.5
70°	0.0	8.2	16.4	25.3	43.8	62.2	81.8	114.7	147.2	179.6	226.3
67.5°	0.0	9.2	18.3	31.9	52.7	73.3	106.0	142.8	179.6	232.9	285.2
65°	0.0	10.1	20.3	38.5	61.4	88.6	129.7	170.5	226.3	285.2	348.1
62.5°	0.0	11.1	22.1	44.9	69.9	108.0	153.0	206.9	272.2	339.7	421.4
60°	0.0	12.0	24.0	51.2	78.3	127.1	175.8	246.2	317.1	404.5	493.2
57.5°	0.0	12.9	28.0	57.3	92.8	145.6	207.6	284.7	371.0	467.9	574.1
55°	0.0	13.8	32.0	63.2	107.3	163.7	239.7	322.2	426.0	532.8	658.1
52.5°	0.0	14.6	35.8	69.0	121.3	182.6	270.9	367.8	479.4	606.3	739.8
50°	0.0	15.4	39.6	74.6	134.9	207.8	301.2	413.2	534.7	677.7	833.2
47.5°	0.0	16.2	43.2	81.1	148.0	232.1	331.5	457.0	596.0	746.7	925.2
45°	0.0	17.0	46.6	90.5	160.6	255.5	367.6	499.1	655.0	826.2	1014.0
42.5°	0.0	17.7	49.9	99.5	172.6	277.9	402.2	544.8	711.7	902.8	1109.4
40°	0.0	18.4	53.1	108.2	186.9	299.2	435.3	592.1	769.3	976.1	1202.5
37.5°	0.0	19.0	56.1	116.3	203.1	319.5	466.7	637.0	831.1	1048.6	1291.2
35°	0.0	19.7	58.9	124.1	218.5	342.3	496.4	679.6	889.6	1123.9	1379.7
32.5°	0.0	20.2	61.5	131.3	232.9	365.5	526.2	719.6	944.8	1194.9	1469.9
30°	0.0	20.8	64.0	138.1	246.3	387.2	558.1	758.9	996.4	1261.4	1554.5
27.5°	0.0	21.3	66.3	144.4	258.8	407.4	587.8	800.6	1046.8	1323.2	1633.3
25°	0.0	21.8	68.4	150.2	270.3	425.9	615.1	839.0	1097.1	1385.3	1706.4
22.5°	0.0	22.2	70.4	155.5	280.8	442.8	640.0	874.0	1143.0	1444.5	1783.8
20°	0.0	22.6	72.1	160.3	290.2	458.0	662.5	905.6	1184.5	1497.9	1853.6
17.5°	0.0	22.9	73.6	164.5	298.6	471.5	682.4	933.7	1221.2	1545.4	1915.8
15°	0.0	23.2	75.0	168.2	305.9	483.3	699.8	958.1	1253.3	1586.9	1970.0
12.5°	0.0	23.4	76.1	171.3	312.0	493.2	714.5	978.9	1280.6	1622.1	2016.2
10°	0.0	23.6	77.0	173.8	317.1	501.4	726.6	996.0	1303.0	1651.1	2054.2
7.5°	0.0	23.8	77.8	175.8	321.1	507.8	736.1	1009.3	1320.5	1673.7	2083.8
5°	0.0	23.9	78.3	177.3	323.9	512.4	742.9	1018.9	1333.1	1689.9	2105.1
2.5°	0.0	24.0	78.6	178.1	325.6	515.2	746.9	1024.6	1340.6	1699.6	2117.8
0°	0.0	24.0	78.7	178.4	326.2	516.1	748.3	1026.5	1343.1	1702.9	2122.1
-2.5°	0.0	24.0	78.6	178.1	325.6	515.2	746.9	1024.6	1340.6	1699.6	2117.8
-5°	0.0	23.9	78.3	177.3	323.9	512.4	742.9	1018.9	1333.1	1689.9	2105.1
-7.5°	0.0	23.8	77.8	175.8	321.1	507.8	736.1	1009.3	1320.5	1673.7	2083.8
-10°	0.0	23.6	77.0	173.8	317.1	501.4	726.6	996.0	1303.0	1651.1	2054.2
-12.5°	0.0	23.4	76.1	171.3	312.0	493.2	714.5	978.9	1280.6	1622.1	2016.2
-15°	0.0	23.2	75.0	168.2	305.9	483.3	699.8	958.1	1253.3	1586.9	1970.0
-17.5°	0.0	22.9	73.6	164.5	298.6	471.5	682.4	933.7	1221.2	1545.4	1915.8
-20°	0.0	22.6	72.1	160.3	290.2	458.0	662.5	905.6	1184.5	1497.9	1853.6



REPORT NUMBER: P1305892 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-7F-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	22.2	70.4	155.5	280.8	442.8	640.0	874.0	1143.0	1444.5	1783.8
-25°	0.0	21.8	68.4	150.2	270.3	425.9	615.1	839.0	1097.1	1385.3	1706.4
-27.5°	0.0	21.3	66.3	144.4	258.8	407.4	587.8	800.6	1046.8	1323.2	1633.3
-30°	0.0	20.8	64.0	138.1	246.3	387.2	558.1	758.9	996.4	1261.4	1554.5
-32.5°	0.0	20.2	61.5	131.3	232.9	365.5	526.2	719.6	944.8	1194.9	1469.9
-35°	0.0	19.7	58.9	124.1	218.5	342.3	496.4	679.6	889.6	1123.9	1379.7
-37.5°	0.0	19.0	56.1	116.3	203.1	319.5	466.7	637.0	831.1	1048.6	1291.2
-40°	0.0	18.4	53.1	108.2	186.9	299.2	435.3	592.1	769.3	976.1	1202.5
-42.5°	0.0	17.7	49.9	99.5	172.6	277.9	402.2	544.8	711.7	902.8	1109.4
-45°	0.0	17.0	46.6	90.5	160.6	255.5	367.6	499.1	655.0	826.2	1014.0
-47.5°	0.0	16.2	43.2	81.1	148.0	232.1	331.5	457.0	596.0	746.7	925.2
-50°	0.0	15.4	39.6	74.6	134.9	207.8	301.2	413.2	534.7	677.7	833.2
-52.5°	0.0	14.6	35.8	69.0	121.3	182.6	270.9	367.8	479.4	606.3	739.8
-55°	0.0	13.8	32.0	63.2	107.3	163.7	239.7	322.2	426.0	532.8	658.1
-57.5°	0.0	12.9	28.0	57.3	92.8	145.6	207.6	284.7	371.0	467.9	574.1
-60°	0.0	12.0	24.0	51.2	78.3	127.1	175.8	246.2	317.1	404.5	493.2
-62.5°	0.0	11.1	22.1	44.9	69.9	108.0	153.0	206.9	272.2	339.7	421.4
-65°	0.0	10.1	20.3	38.5	61.4	88.6	129.7	170.5	226.3	285.2	348.1
-67.5°	0.0	9.2	18.3	31.9	52.7	73.3	106.0	142.8	179.6	232.9	285.2
-70°	0.0	8.2	16.4	25.3	43.8	62.2	81.8	114.7	147.2	179.6	226.3
-72.5°	0.0	7.2	14.4	21.6	34.8	50.9	67.0	86.2	114.7	142.8	170.5
-75°	0.0	6.2	12.4	18.6	25.7	39.6	53.3	67.0	81.8	106.0	129.7
-77.5°	0.0	5.2	10.4	15.5	20.7	28.0	39.6	50.9	62.2	73.3	88.6
-80°	0.0	4.2	8.3	12.5	16.6	20.7	25.7	34.8	43.8	52.7	61.4
-82.5°	0.0	3.1	6.3	9.4	12.5	15.5	18.6	21.6	25.3	31.9	38.5
-85°	0.0	2.1	4.2	6.3	8.3	10.4	12.4	14.4	16.4	18.3	20.3
-87.5°	0.0	1.0	2.1	3.1	4.2	5.2	6.2	7.2	8.2	9.2	10.1
-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: P1305892 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-7F-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°	11.1	12.0	12.9	13.8	14.6	15.4	16.2	17.0	17.7	18.4	19.0
85°	22.1	24.0	28.0	32.0	35.8	39.6	43.2	46.6	49.9	53.1	56.1
82.5°	44.9	51.2	57.3	63.2	69.0	74.6	81.1	90.5	99.5	108.2	116.3
80°	69.9	78.3	92.8	107.3	121.3	134.9	148.0	160.6	172.6	186.9	203.1
77.5°	108.0	127.1	145.6	163.7	182.6	207.8	232.1	255.5	277.9	299.2	319.5
75°	153.0	175.8	207.6	239.7	270.9	301.2	331.5	367.6	402.2	435.3	466.7
72.5°	206.9	246.2	284.7	322.2	367.8	413.2	457.0	499.1	544.8	592.1	637.0
70°	272.2	317.1	371.0	426.0	479.4	534.7	596.0	655.0	711.7	769.3	831.1
67.5°	339.7	404.5	467.9	532.8	606.3	677.7	746.7	826.2	902.8	976.1	1048.6
65°	421.4	493.2	574.1	658.1	739.8	833.2	925.2	1014.0	1109.4	1202.5	1291.2
62.5°	501.7	594.9	689.3	788.1	895.8	1000.4	1112.2	1223.7	1330.9	1446.0	1557.5
60°	594.9	699.8	813.3	933.7	1054.5	1184.5	1310.5	1444.5	1577.9	1706.4	1848.9
57.5°	689.3	813.3	946.3	1083.5	1228.1	1372.5	1527.9	1678.3	1843.3	2005.6	2166.9
55°	788.1	933.7	1083.5	1242.7	1405.9	1578.4	1753.1	1942.3	2125.4	2328.4	2522.9
52.5°	895.8	1054.5	1228.1	1405.9	1595.3	1792.7	2002.2	2218.4	2445.4	2672.8	2914.1
50°	1000.4	1184.5	1372.5	1578.4	1792.7	2022.2	2265.2	2516.3	2782.4	3052.2	3343.1
47.5°	1112.2	1310.5	1527.9	1753.1	2002.2	2265.2	2540.0	2837.6	3136.0	3480.1	3817.1
45°	1223.7	1444.5	1678.3	1942.3	2218.4	2516.3	2837.6	3164.0	3549.2	3933.4	4343.6
42.5°	1330.9	1577.9	1843.3	2125.4	2445.4	2782.4	3136.0	3549.2	3973.5	4425.1	4911.9
40°	1446.0	1706.4	2005.6	2328.4	2672.8	3052.2	3480.1	3933.4	4425.1	4962.1	5519.6
37.5°	1557.5	1848.9	2166.9	2522.9	2914.1	3343.1	3817.1	4343.6	4911.9	5519.6	6189.3
35°	1663.3	1984.3	2337.6	2723.5	3144.4	3644.1	4181.9	4762.3	5417.5	6129.6	6878.9
32.5°	1773.2	2112.3	2499.3	2925.6	3405.7	3942.8	4532.7	5215.1	5951.5	6736.0	7611.3
30°	1882.5	2249.8	2658.0	3115.8	3656.2	4251.4	4916.1	5658.4	6476.5	7392.7	8375.2
27.5°	1984.3	2379.4	2821.3	3321.6	3897.6	4540.7	5292.1	6120.3	7033.5	8035.6	9133.7
25°	2078.3	2499.3	2972.5	3522.0	4146.1	4849.9	5655.9	6551.4	7576.4	8701.5	9937.3
22.5°	2170.9	2609.4	3111.0	3705.8	4374.3	5148.4	6024.9	7007.4	8110.0	9324.2	10708.9
20°	2260.8	2723.5	3251.9	3876.7	4581.5	5419.6	6360.8	7432.9	8635.3	9982.5	11467.3
17.5°	2340.7	2825.2	3387.8	4046.5	4797.9	5678.9	6670.3	7815.0	9108.0	10576.4	12176.6
15°	2410.5	2914.1	3506.6	4195.1	4993.7	5922.5	6980.5	8193.1	9563.2	11117.5	12807.8
12.5°	2470.0	2989.9	3608.0	4322.1	5160.9	6131.0	7246.2	8523.4	9980.0	11617.7	13420.1
10°	2519.0	3052.2	3691.5	4426.7	5299.0	6303.1	7466.0	8796.8	10325.7	12033.4	13930.0
7.5°	2557.2	3101.0	3756.8	4508.6	5407.1	6438.1	7638.4	9011.6	10597.6	12360.9	14332.5
5°	2584.6	3136.0	3803.7	4567.3	5484.7	6535.0	7762.3	9166.2	10793.4	12597.1	14623.2
2.5°	2601.1	3157.0	3831.9	4602.7	5531.4	6593.4	7837.0	9259.4	10911.6	12739.7	14798.9
0°	2606.6	3164.0	3841.3	4614.5	5547.0	6612.9	7862.0	9290.5	10951.1	12787.4	14857.7
-2.5°	2601.1	3157.0	3831.9	4602.7	5531.4	6593.4	7837.0	9259.4	10911.6	12739.7	14798.9
-5°	2584.6	3136.0	3803.7	4567.3	5484.7	6535.0	7762.3	9166.2	10793.4	12597.1	14623.2
-7.5°	2557.2	3101.0	3756.8	4508.6	5407.1	6438.1	7638.4	9011.6	10597.6	12360.9	14332.5
-10°	2519.0	3052.2	3691.5	4426.7	5299.0	6303.1	7466.0	8796.8	10325.7	12033.4	13930.0
-12.5°	2470.0	2989.9	3608.0	4322.1	5160.9	6131.0	7246.2	8523.4	9980.0	11617.7	13420.1
-15°	2410.5	2914.1	3506.6	4195.1	4993.7	5922.5	6980.5	8193.1	9563.2	11117.5	12807.8
-17.5°	2340.7	2825.2	3387.8	4046.5	4797.9	5678.9	6670.3	7815.0	9108.0	10576.4	12176.6
-20°	2260.8	2723.5	3251.9	3876.7	4581.5	5419.6	6360.8	7432.9	8635.3	9982.5	11467.3



REPORT NUMBER: P1305892 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2170.9	2609.4	3111.0	3705.8	4374.3	5148.4	6024.9	7007.4	8110.0	9324.2	10708.9
-25°	2078.3	2499.3	2972.5	3522.0	4146.1	4849.9	5655.9	6551.4	7576.4	8701.5	9937.3
-27.5°	1984.3	2379.4	2821.3	3321.6	3897.6	4540.7	5292.1	6120.3	7033.5	8035.6	9133.7
-30°	1882.5	2249.8	2658.0	3115.8	3656.2	4251.4	4916.1	5658.4	6476.5	7392.7	8375.2
-32.5°	1773.2	2112.3	2499.3	2925.6	3405.7	3942.8	4532.7	5215.1	5951.5	6736.0	7611.3
-35°	1663.3	1984.3	2337.6	2723.5	3144.4	3644.1	4181.9	4762.3	5417.5	6129.6	6878.9
-37.5°	1557.5	1848.9	2166.9	2522.9	2914.1	3343.1	3817.1	4343.6	4911.9	5519.6	6189.3
-40°	1446.0	1706.4	2005.6	2328.4	2672.8	3052.2	3480.1	3933.4	4425.1	4962.1	5519.6
-42.5°	1330.9	1577.9	1843.3	2125.4	2445.4	2782.4	3136.0	3549.2	3973.5	4425.1	4911.9
-45°	1223.7	1444.5	1678.3	1942.3	2218.4	2516.3	2837.6	3164.0	3549.2	3933.4	4343.6
-47.5°	1112.2	1310.5	1527.9	1753.1	2002.2	2265.2	2540.0	2837.6	3136.0	3480.1	3817.1
-50°	1000.4	1184.5	1372.5	1578.4	1792.7	2022.2	2265.2	2516.3	2782.4	3052.2	3343.1
-52.5°	895.8	1054.5	1228.1	1405.9	1595.3	1792.7	2002.2	2218.4	2445.4	2672.8	2914.1
-55°	788.1	933.7	1083.5	1242.7	1405.9	1578.4	1753.1	1942.3	2125.4	2328.4	2522.9
-57.5°	689.3	813.3	946.3	1083.5	1228.1	1372.5	1527.9	1678.3	1843.3	2005.6	2166.9
-60°	594.9	699.8	813.3	933.7	1054.5	1184.5	1310.5	1444.5	1577.9	1706.4	1848.9
-62.5°	501.7	594.9	689.3	788.1	895.8	1000.4	1112.2	1223.7	1330.9	1446.0	1557.5
-65°	421.4	493.2	574.1	658.1	739.8	833.2	925.2	1014.0	1109.4	1202.5	1291.2
-67.5°	339.7	404.5	467.9	532.8	606.3	677.7	746.7	826.2	902.8	976.1	1048.6
-70°	272.2	317.1	371.0	426.0	479.4	534.7	596.0	655.0	711.7	769.3	831.1
-72.5°	206.9	246.2	284.7	322.2	367.8	413.2	457.0	499.1	544.8	592.1	637.0
-75°	153.0	175.8	207.6	239.7	270.9	301.2	331.5	367.6	402.2	435.3	466.7
-77.5°	108.0	127.1	145.6	163.7	182.6	207.8	232.1	255.5	277.9	299.2	319.5
-80°	69.9	78.3	92.8	107.3	121.3	134.9	148.0	160.6	172.6	186.9	203.1
-82.5°	44.9	51.2	57.3	63.2	69.0	74.6	81.1	90.5	99.5	108.2	116.3
-85°	22.1	24.0	28.0	32.0	35.8	39.6	43.2	46.6	49.9	53.1	56.1
-87.5°	11.1	12.0	12.9	13.8	14.6	15.4	16.2	17.0	17.7	18.4	19.0
-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: P1305892 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.7	20.2	20.8	21.3	21.8	22.2	22.6	22.9	23.2	23.4	23.6
85°	58.9	61.5	64.0	66.3	68.4	70.4	72.1	73.6	75.0	76.1	77.0
82.5°	124.1	131.3	138.1	144.4	150.2	155.5	160.3	164.5	168.2	171.3	173.8
80°	218.5	232.9	246.3	258.8	270.3	280.8	290.2	298.6	305.9	312.0	317.1
77.5°	342.3	365.5	387.2	407.4	425.9	442.8	458.0	471.5	483.3	493.2	501.4
75°	496.4	526.2	558.1	587.8	615.1	640.0	662.5	682.4	699.8	714.5	726.6
72.5°	679.6	719.6	758.9	800.6	839.0	874.0	905.6	933.7	958.1	978.9	996.0
70°	889.6	944.8	996.4	1046.8	1097.1	1143.0	1184.5	1221.2	1253.3	1280.6	1303.0
67.5°	1123.9	1194.9	1261.4	1323.2	1385.3	1444.5	1497.9	1545.4	1586.9	1622.1	1651.1
65°	1379.7	1469.9	1554.5	1633.3	1706.4	1783.8	1853.6	1915.8	1970.0	2016.2	2054.2
62.5°	1663.3	1773.2	1882.5	1984.3	2078.3	2170.9	2260.8	2340.7	2410.5	2470.0	2519.0
60°	1984.3	2112.3	2249.8	2379.4	2499.3	2609.4	2723.5	2825.2	2914.1	2989.9	3052.2
57.5°	2337.6	2499.3	2658.0	2821.3	2972.5	3111.0	3251.9	3387.8	3506.6	3608.0	3691.5
55°	2723.5	2925.6	3115.8	3321.6	3522.0	3705.8	3876.7	4046.5	4195.1	4322.1	4426.7
52.5°	3144.4	3405.7	3656.2	3897.6	4146.1	4374.3	4581.5	4797.9	4993.7	5160.9	5299.0
50°	3644.1	3942.8	4251.4	4540.7	4849.9	5148.4	5419.6	5678.9	5922.5	6131.0	6303.1
47.5°	4181.9	4532.7	4916.1	5292.1	5655.9	6024.9	6360.8	6670.3	6980.5	7246.2	7466.0
45°	4762.3	5215.1	5658.4	6120.3	6551.4	7007.4	7432.9	7815.0	8193.1	8523.4	8796.8
42.5°	5417.5	5951.5	6476.5	7033.5	7576.4	8110.0	8635.3	9108.0	9563.2	9980.0	10325.7
40°	6129.6	6736.0	7392.7	8035.6	8701.5	9324.2	9982.5	10576.4	11117.5	11617.7	12033.4
37.5°	6878.9	7611.3	8375.2	9133.7	9937.3	10708.9	11467.3	12176.6	12807.8	13420.1	13930.0
35°	7684.7	8546.9	9414.5	10354.5	11271.8	12187.1	13062.0	13925.4	14693.4	15410.3	16023.1
32.5°	8546.9	9517.4	10565.7	11631.1	12678.1	13770.1	14793.5	15815.4	16733.6	17572.4	18310.9
30°	9414.5	10565.7	11752.0	12944.9	14203.6	15442.4	16656.4	17832.5	18932.4	19891.5	20695.3
27.5°	10354.5	11631.1	12944.9	14349.5	15775.6	17176.1	18617.3	19941.1	21130.1	22173.0	23121.3
25°	11271.8	12678.1	14203.6	15775.6	17368.5	19017.3	20561.2	21986.5	23363.0	24590.8	25698.3
22.5°	12187.1	13770.1	15442.4	17176.1	19017.3	20770.9	22443.6	24101.4	25677.4	27137.9	28400.8
20°	13062.0	14793.5	16656.4	18617.3	20561.2	22443.6	24351.8	26249.3	28042.8	29683.2	31091.7
17.5°	13925.4	15815.4	17832.5	19941.1	21986.5	24101.4	26249.3	28356.4	30348.1	32113.1	33642.7
15°	14693.4	16733.6	18932.4	21130.1	23363.0	25677.4	28042.8	30348.1	32463.5	34394.5	36109.3
12.5°	15410.3	17572.4	19891.5	22173.0	24590.8	27137.9	29683.2	32113.1	34394.5	36525.8	38244.8
10°	16023.1	18310.9	20695.3	23121.3	25698.3	28400.8	31091.7	33642.7	36109.3	38244.8	40119.3
7.5°	16507.8	18896.5	21335.0	23879.6	26608.2	29434.8	32212.7	34908.2	37444.6	39683.6	41564.5
5°	16858.5	19321.3	21800.2	24432.9	27275.2	30197.1	33045.5	35858.5	38415.1	40721.9	42645.4
2.5°	17070.8	19578.8	22082.8	24769.8	27682.6	30664.8	33559.4	36449.7	39026.1	41341.0	43292.1
0°	17141.9	19665.1	22177.6	24883.0	27819.7	30822.5	33733.2	36650.6	39235.1	41545.3	43514.9
-2.5°	17070.8	19578.8	22082.8	24769.8	27682.6	30664.8	33559.4	36449.7	39026.1	41341.0	43292.1
-5°	16858.5	19321.3	21800.2	24432.9	27275.2	30197.1	33045.5	35858.5	38415.1	40721.9	42645.4
-7.5°	16507.8	18896.5	21335.0	23879.6	26608.2	29434.8	32212.7	34908.2	37444.6	39683.6	41564.5
-10°	16023.1	18310.9	20695.3	23121.3	25698.3	28400.8	31091.7	33642.7	36109.3	38244.8	40119.3
-12.5°	15410.3	17572.4	19891.5	22173.0	24590.8	27137.9	29683.2	32113.1	34394.5	36525.8	38244.8
-15°	14693.4	16733.6	18932.4	21130.1	23363.0	25677.4	28042.8	30348.1	32463.5	34394.5	36109.3
-17.5°	13925.4	15815.4	17832.5	19941.1	21986.5	24101.4	26249.3	28356.4	30348.1	32113.1	33642.7
-20°	13062.0	14793.5	16656.4	18617.3	20561.2	22443.6	24351.8	26249.3	28042.8	29683.2	31091.7



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12187.1	13770.1	15442.4	17176.1	19017.3	20770.9	22443.6	24101.4	25677.4	27137.9	28400.8
-25°	11271.8	12678.1	14203.6	15775.6	17368.5	19017.3	20561.2	21986.5	23363.0	24590.8	25698.3
-27.5°	10354.5	11631.1	12944.9	14349.5	15775.6	17176.1	18617.3	19941.1	21130.1	22173.0	23121.3
-30°	9414.5	10565.7	11752.0	12944.9	14203.6	15442.4	16656.4	17832.5	18932.4	19891.5	20695.3
-32.5°	8546.9	9517.4	10565.7	11631.1	12678.1	13770.1	14793.5	15815.4	16733.6	17572.4	18310.9
-35°	7684.7	8546.9	9414.5	10354.5	11271.8	12187.1	13062.0	13925.4	14693.4	15410.3	16023.1
-37.5°	6878.9	7611.3	8375.2	9133.7	9937.3	10708.9	11467.3	12176.6	12807.8	13420.1	13930.0
-40°	6129.6	6736.0	7392.7	8035.6	8701.5	9324.2	9982.5	10576.4	11117.5	11617.7	12033.4
-42.5°	5417.5	5951.5	6476.5	7033.5	7576.4	8110.0	8635.3	9108.0	9563.2	9980.0	10325.7
-45°	4762.3	5215.1	5658.4	6120.3	6551.4	7007.4	7432.9	7815.0	8193.1	8523.4	8796.8
-47.5°	4181.9	4532.7	4916.1	5292.1	5655.9	6024.9	6360.8	6670.3	6980.5	7246.2	7466.0
-50°	3644.1	3942.8	4251.4	4540.7	4849.9	5148.4	5419.6	5678.9	5922.5	6131.0	6303.1
-52.5°	3144.4	3405.7	3656.2	3897.6	4146.1	4374.3	4581.5	4797.9	4993.7	5160.9	5299.0
-55°	2723.5	2925.6	3115.8	3321.6	3522.0	3705.8	3876.7	4046.5	4195.1	4322.1	4426.7
-57.5°	2337.6	2499.3	2658.0	2821.3	2972.5	3111.0	3251.9	3387.8	3506.6	3608.0	3691.5
-60°	1984.3	2112.3	2249.8	2379.4	2499.3	2609.4	2723.5	2825.2	2914.1	2989.9	3052.2
-62.5°	1663.3	1773.2	1882.5	1984.3	2078.3	2170.9	2260.8	2340.7	2410.5	2470.0	2519.0
-65°	1379.7	1469.9	1554.5	1633.3	1706.4	1783.8	1853.6	1915.8	1970.0	2016.2	2054.2
-67.5°	1123.9	1194.9	1261.4	1323.2	1385.3	1444.5	1497.9	1545.4	1586.9	1622.1	1651.1
-70°	889.6	944.8	996.4	1046.8	1097.1	1143.0	1184.5	1221.2	1253.3	1280.6	1303.0
-72.5°	679.6	719.6	758.9	800.6	839.0	874.0	905.6	933.7	958.1	978.9	996.0
-75°	496.4	526.2	558.1	587.8	615.1	640.0	662.5	682.4	699.8	714.5	726.6
-77.5°	342.3	365.5	387.2	407.4	425.9	442.8	458.0	471.5	483.3	493.2	501.4
-80°	218.5	232.9	246.3	258.8	270.3	280.8	290.2	298.6	305.9	312.0	317.1
-82.5°	124.1	131.3	138.1	144.4	150.2	155.5	160.3	164.5	168.2	171.3	173.8
-85°	58.9	61.5	64.0	66.3	68.4	70.4	72.1	73.6	75.0	76.1	77.0
-87.5°	19.7	20.2	20.8	21.3	21.8	22.2	22.6	22.9	23.2	23.4	23.6
-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: P1305892 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-7F-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°	23.8	23.9	24.0	24.0	24.0	23.9	23.8	23.6	23.4	23.2	22.9
85°	77.8	78.3	78.6	78.7	78.6	78.3	77.8	77.0	76.1	75.0	73.6
82.5°	175.8	177.3	178.1	178.4	178.1	177.3	175.8	173.8	171.3	168.2	164.5
80°	321.1	323.9	325.6	326.2	325.6	323.9	321.1	317.1	312.0	305.9	298.6
77.5°	507.8	512.4	515.2	516.1	515.2	512.4	507.8	501.4	493.2	483.3	471.5
75°	736.1	742.9	746.9	748.3	746.9	742.9	736.1	726.6	714.5	699.8	682.4
72.5°	1009.3	1018.9	1024.6	1026.5	1024.6	1018.9	1009.3	996.0	978.9	958.1	933.7
70°	1320.5	1333.1	1340.6	1343.1	1340.6	1333.1	1320.5	1303.0	1280.6	1253.3	1221.2
67.5°	1673.7	1689.9	1699.6	1702.9	1699.6	1689.9	1673.7	1651.1	1622.1	1586.9	1545.4
65°	2083.8	2105.1	2117.8	2122.1	2117.8	2105.1	2083.8	2054.2	2016.2	1970.0	1915.8
62.5°	2557.2	2584.6	2601.1	2606.6	2601.1	2584.6	2557.2	2519.0	2470.0	2410.5	2340.7
60°	3101.0	3136.0	3157.0	3164.0	3157.0	3136.0	3101.0	3052.2	2989.9	2914.1	2825.2
57.5°	3756.8	3803.7	3831.9	3841.3	3831.9	3803.7	3756.8	3691.5	3608.0	3506.6	3387.8
55°	4508.6	4567.3	4602.7	4614.5	4602.7	4567.3	4508.6	4426.7	4322.1	4195.1	4046.5
52.5°	5407.1	5484.7	5531.4	5547.0	5531.4	5484.7	5407.1	5299.0	5160.9	4993.7	4797.9
50°	6438.1	6535.0	6593.4	6612.9	6593.4	6535.0	6438.1	6303.1	6131.0	5922.5	5678.9
47.5°	7638.4	7762.3	7837.0	7862.0	7837.0	7762.3	7638.4	7466.0	7246.2	6980.5	6670.3
45°	9011.6	9166.2	9259.4	9290.5	9259.4	9166.2	9011.6	8796.8	8523.4	8193.1	7815.0
42.5°	10597.6	10793.4	10911.6	10951.1	10911.6	10793.4	10597.6	10325.7	9980.0	9563.2	9108.0
40°	12360.9	12597.1	12739.7	12787.4	12739.7	12597.1	12360.9	12033.4	11617.7	11117.5	10576.4
37.5°	14332.5	14623.2	14798.9	14857.7	14798.9	14623.2	14332.5	13930.0	13420.1	12807.8	12176.6
35°	16507.8	16858.5	17070.8	17141.9	17070.8	16858.5	16507.8	16023.1	15410.3	14693.4	13925.4
32.5°	18896.5	19321.3	19578.8	19665.1	19578.8	19321.3	18896.5	18310.9	17572.4	16733.6	15815.4
30°	21335.0	21800.2	22082.8	22177.6	22082.8	21800.2	21335.0	20695.3	19891.5	18932.4	17832.5
27.5°	23879.6	24432.9	24769.8	24883.0	24769.8	24432.9	23879.6	23121.3	22173.0	21130.1	19941.1
25°	26608.2	27275.2	27682.6	27819.7	27682.6	27275.2	26608.2	25698.3	24590.8	23363.0	21986.5
22.5°	29434.8	30197.1	30664.8	30822.5	30664.8	30197.1	29434.8	28400.8	27137.9	25677.4	24101.4
20°	32212.7	33045.5	33559.4	33733.2	33559.4	33045.5	32212.7	31091.7	29683.2	28042.8	26249.3
17.5°	34908.2	35858.5	36449.7	36650.6	36449.7	35858.5	34908.2	33642.7	32113.1	30348.1	28356.4
15°	37444.6	38415.1	39026.1	39235.1	39026.1	38415.1	37444.6	36109.3	34394.5	32463.5	30348.1
12.5°	39683.6	40721.9	41341.0	41545.3	41341.0	40721.9	39683.6	38244.8	36525.8	34394.5	32113.1
10°	41564.5	42645.4	43292.1	43514.9	43292.1	42645.4	41564.5	40119.3	38244.8	36109.3	33642.7
7.5°	43082.5	44183.4	44867.5	45087.8	44867.5	44183.4	43082.5	41564.5	39683.6	37444.6	34908.2
5°	44183.4	45324.4	45986.6	46231.8	45986.6	45324.4	44183.4	42645.4	40721.9	38415.1	35858.5
2.5°	44867.5	45986.6	46676.4	46910.6	46676.4	45986.6	44867.5	43292.1	41341.0	39026.1	36449.7
0°	45087.8	46231.8	46910.6	47172.9	46910.6	46231.8	45087.8	43514.9	41545.3	39235.1	36650.6
-2.5°	44867.5	45986.6	46676.4	46910.6	46676.4	45986.6	44867.5	43292.1	41341.0	39026.1	36449.7
-5°	44183.4	45324.4	45986.6	46231.8	45986.6	45324.4	44183.4	42645.4	40721.9	38415.1	35858.5
-7.5°	43082.5	44183.4	44867.5	45087.8	44867.5	44183.4	43082.5	41564.5	39683.6	37444.6	34908.2
-10°	41564.5	42645.4	43292.1	43514.9	43292.1	42645.4	41564.5	40119.3	38244.8	36109.3	33642.7
-12.5°	39683.6	40721.9	41341.0	41545.3	41341.0	40721.9	39683.6	38244.8	36525.8	34394.5	32113.1
-15°	37444.6	38415.1	39026.1	39235.1	39026.1	38415.1	37444.6	36109.3	34394.5	32463.5	30348.1
-17.5°	34908.2	35858.5	36449.7	36650.6	36449.7	35858.5	34908.2	33642.7	32113.1	30348.1	28356.4
-20°	32212.7	33045.5	33559.4	33733.2	33559.4	33045.5	32212.7	31091.7	29683.2	28042.8	26249.3



REPORT NUMBER: P1305892 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	29434.8	30197.1	30664.8	30822.5	30664.8	30197.1	29434.8	28400.8	27137.9	25677.4	24101.4
-25°	26608.2	27275.2	27682.6	27819.7	27682.6	27275.2	26608.2	25698.3	24590.8	23363.0	21986.5
-27.5°	23879.6	24432.9	24769.8	24883.0	24769.8	24432.9	23879.6	23121.3	22173.0	21130.1	19941.1
-30°	21335.0	21800.2	22082.8	22177.6	22082.8	21800.2	21335.0	20695.3	19891.5	18932.4	17832.5
-32.5°	18896.5	19321.3	19578.8	19665.1	19578.8	19321.3	18896.5	18310.9	17572.4	16733.6	15815.4
-35°	16507.8	16858.5	17070.8	17141.9	17070.8	16858.5	16507.8	16023.1	15410.3	14693.4	13925.4
-37.5°	14332.5	14623.2	14798.9	14857.7	14798.9	14623.2	14332.5	13930.0	13420.1	12807.8	12176.6
-40°	12360.9	12597.1	12739.7	12787.4	12739.7	12597.1	12360.9	12033.4	11617.7	11117.5	10576.4
-42.5°	10597.6	10793.4	10911.6	10951.1	10911.6	10793.4	10597.6	10325.7	9980.0	9563.2	9108.0
-45°	9011.6	9166.2	9259.4	9290.5	9259.4	9166.2	9011.6	8796.8	8523.4	8193.1	7815.0
-47.5°	7638.4	7762.3	7837.0	7862.0	7837.0	7762.3	7638.4	7466.0	7246.2	6980.5	6670.3
-50°	6438.1	6535.0	6593.4	6612.9	6593.4	6535.0	6438.1	6303.1	6131.0	5922.5	5678.9
-52.5°	5407.1	5484.7	5531.4	5547.0	5531.4	5484.7	5407.1	5299.0	5160.9	4993.7	4797.9
-55°	4508.6	4567.3	4602.7	4614.5	4602.7	4567.3	4508.6	4426.7	4322.1	4195.1	4046.5
-57.5°	3756.8	3803.7	3831.9	3841.3	3831.9	3803.7	3756.8	3691.5	3608.0	3506.6	3387.8
-60°	3101.0	3136.0	3157.0	3164.0	3157.0	3136.0	3101.0	3052.2	2989.9	2914.1	2825.2
-62.5°	2557.2	2584.6	2601.1	2606.6	2601.1	2584.6	2557.2	2519.0	2470.0	2410.5	2340.7
-65°	2083.8	2105.1	2117.8	2122.1	2117.8	2105.1	2083.8	2054.2	2016.2	1970.0	1915.8
-67.5°	1673.7	1689.9	1699.6	1702.9	1699.6	1689.9	1673.7	1651.1	1622.1	1586.9	1545.4
-70°	1320.5	1333.1	1340.6	1343.1	1340.6	1333.1	1320.5	1303.0	1280.6	1253.3	1221.2
-72.5°	1009.3	1018.9	1024.6	1026.5	1024.6	1018.9	1009.3	996.0	978.9	958.1	933.7
-75°	736.1	742.9	746.9	748.3	746.9	742.9	736.1	726.6	714.5	699.8	682.4
-77.5°	507.8	512.4	515.2	516.1	515.2	512.4	507.8	501.4	493.2	483.3	471.5
-80°	321.1	323.9	325.6	326.2	325.6	323.9	321.1	317.1	312.0	305.9	298.6
-82.5°	175.8	177.3	178.1	178.4	178.1	177.3	175.8	173.8	171.3	168.2	164.5
-85°	77.8	78.3	78.6	78.7	78.6	78.3	77.8	77.0	76.1	75.0	73.6
-87.5°	23.8	23.9	24.0	24.0	24.0	23.9	23.8	23.6	23.4	23.2	22.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305892 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	22.6	22.2	21.8	21.3	20.8	20.2	19.7	19.0	18.4	17.7	17.0
85°	72.1	70.4	68.4	66.3	64.0	61.5	58.9	56.1	53.1	49.9	46.6
82.5°	160.3	155.5	150.2	144.4	138.1	131.3	124.1	116.3	108.2	99.5	90.5
80°	290.2	280.8	270.3	258.8	246.3	232.9	218.5	203.1	186.9	172.6	160.6
77.5°	458.0	442.8	425.9	407.4	387.2	365.5	342.3	319.5	299.2	277.9	255.5
75°	662.5	640.0	615.1	587.8	558.1	526.2	496.4	466.7	435.3	402.2	367.6
72.5°	905.6	874.0	839.0	800.6	758.9	719.6	679.6	637.0	592.1	544.8	499.1
70°	1184.5	1143.0	1097.1	1046.8	996.4	944.8	889.6	831.1	769.3	711.7	655.0
67.5°	1497.9	1444.5	1385.3	1323.2	1261.4	1194.9	1123.9	1048.6	976.1	902.8	826.2
65°	1853.6	1783.8	1706.4	1633.3	1554.5	1469.9	1379.7	1291.2	1202.5	1109.4	1014.0
62.5°	2260.8	2170.9	2078.3	1984.3	1882.5	1773.2	1663.3	1557.5	1446.0	1330.9	1223.7
60°	2723.5	2609.4	2499.3	2379.4	2249.8	2112.3	1984.3	1848.9	1706.4	1577.9	1444.5
57.5°	3251.9	3111.0	2972.5	2821.3	2658.0	2499.3	2337.6	2166.9	2005.6	1843.3	1678.3
55°	3876.7	3705.8	3522.0	3321.6	3115.8	2925.6	2723.5	2522.9	2328.4	2125.4	1942.3
52.5°	4581.5	4374.3	4146.1	3897.6	3656.2	3405.7	3144.4	2914.1	2672.8	2445.4	2218.4
50°	5419.6	5148.4	4849.9	4540.7	4251.4	3942.8	3644.1	3343.1	3052.2	2782.4	2516.3
47.5°	6360.8	6024.9	5655.9	5292.1	4916.1	4532.7	4181.9	3817.1	3480.1	3136.0	2837.6
45°	7432.9	7007.4	6551.4	6120.3	5658.4	5215.1	4762.3	4343.6	3933.4	3549.2	3164.0
42.5°	8635.3	8110.0	7576.4	7033.5	6476.5	5951.5	5417.5	4911.9	4425.1	3973.5	3549.2
40°	9982.5	9324.2	8701.5	8035.6	7392.7	6736.0	6129.6	5519.6	4962.1	4425.1	3933.4
37.5°	11467.3	10708.9	9937.3	9133.7	8375.2	7611.3	6878.9	6189.3	5519.6	4911.9	4343.6
35°	13062.0	12187.1	11271.8	10354.5	9414.5	8546.9	7684.7	6878.9	6129.6	5417.5	4762.3
32.5°	14793.5	13770.1	12678.1	11631.1	10565.7	9517.4	8546.9	7611.3	6736.0	5951.5	5215.1
30°	16656.4	15442.4	14203.6	12944.9	11752.0	10565.7	9414.5	8375.2	7392.7	6476.5	5658.4
27.5°	18617.3	17176.1	15775.6	14349.5	12944.9	11631.1	10354.5	9133.7	8035.6	7033.5	6120.3
25°	20561.2	19017.3	17368.5	15775.6	14203.6	12678.1	11271.8	9937.3	8701.5	7576.4	6551.4
22.5°	22443.6	20770.9	19017.3	17176.1	15442.4	13770.1	12187.1	10708.9	9324.2	8110.0	7007.4
20°	24351.8	22443.6	20561.2	18617.3	16656.4	14793.5	13062.0	11467.3	9982.5	8635.3	7432.9
17.5°	26249.3	24101.4	21986.5	19941.1	17832.5	15815.4	13925.4	12176.6	10576.4	9108.0	7815.0
15°	28042.8	25677.4	23363.0	21130.1	18932.4	16733.6	14693.4	12807.8	11117.5	9563.2	8193.1
12.5°	29683.2	27137.9	24590.8	22173.0	19891.5	17572.4	15410.3	13420.1	11617.7	9980.0	8523.4
10°	31091.7	28400.8	25698.3	23121.3	20695.3	18310.9	16023.1	13930.0	12033.4	10325.7	8796.8
7.5°	32212.7	29434.8	26608.2	23879.6	21335.0	18896.5	16507.8	14332.5	12360.9	10597.6	9011.6
5°	33045.5	30197.1	27275.2	24432.9	21800.2	19321.3	16858.5	14623.2	12597.1	10793.4	9166.2
2.5°	33559.4	30664.8	27682.6	24769.8	22082.8	19578.8	17070.8	14798.9	12739.7	10911.6	9259.4
0°	33733.2	30822.5	27819.7	24883.0	22177.6	19665.1	17141.9	14857.7	12787.4	10951.1	9290.5
-2.5°	33559.4	30664.8	27682.6	24769.8	22082.8	19578.8	17070.8	14798.9	12739.7	10911.6	9259.4
-5°	33045.5	30197.1	27275.2	24432.9	21800.2	19321.3	16858.5	14623.2	12597.1	10793.4	9166.2
-7.5°	32212.7	29434.8	26608.2	23879.6	21335.0	18896.5	16507.8	14332.5	12360.9	10597.6	9011.6
-10°	31091.7	28400.8	25698.3	23121.3	20695.3	18310.9	16023.1	13930.0	12033.4	10325.7	8796.8
-12.5°	29683.2	27137.9	24590.8	22173.0	19891.5	17572.4	15410.3	13420.1	11617.7	9980.0	8523.4
-15°	28042.8	25677.4	23363.0	21130.1	18932.4	16733.6	14693.4	12807.8	11117.5	9563.2	8193.1
-17.5°	26249.3	24101.4	21986.5	19941.1	17832.5	15815.4	13925.4	12176.6	10576.4	9108.0	7815.0
-20°	24351.8	22443.6	20561.2	18617.3	16656.4	14793.5	13062.0	11467.3	9982.5	8635.3	7432.9



REPORT NUMBER: P1305892 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	22443.6	20770.9	19017.3	17176.1	15442.4	13770.1	12187.1	10708.9	9324.2	8110.0	7007.4
-25°	20561.2	19017.3	17368.5	15775.6	14203.6	12678.1	11271.8	9937.3	8701.5	7576.4	6551.4
-27.5°	18617.3	17176.1	15775.6	14349.5	12944.9	11631.1	10354.5	9133.7	8035.6	7033.5	6120.3
-30°	16656.4	15442.4	14203.6	12944.9	11752.0	10565.7	9414.5	8375.2	7392.7	6476.5	5658.4
-32.5°	14793.5	13770.1	12678.1	11631.1	10565.7	9517.4	8546.9	7611.3	6736.0	5951.5	5215.1
-35°	13062.0	12187.1	11271.8	10354.5	9414.5	8546.9	7684.7	6878.9	6129.6	5417.5	4762.3
-37.5°	11467.3	10708.9	9937.3	9133.7	8375.2	7611.3	6878.9	6189.3	5519.6	4911.9	4343.6
-40°	9982.5	9324.2	8701.5	8035.6	7392.7	6736.0	6129.6	5519.6	4962.1	4425.1	3933.4
-42.5°	8635.3	8110.0	7576.4	7033.5	6476.5	5951.5	5417.5	4911.9	4425.1	3973.5	3549.2
-45°	7432.9	7007.4	6551.4	6120.3	5658.4	5215.1	4762.3	4343.6	3933.4	3549.2	3164.0
-47.5°	6360.8	6024.9	5655.9	5292.1	4916.1	4532.7	4181.9	3817.1	3480.1	3136.0	2837.6
-50°	5419.6	5148.4	4849.9	4540.7	4251.4	3942.8	3644.1	3343.1	3052.2	2782.4	2516.3
-52.5°	4581.5	4374.3	4146.1	3897.6	3656.2	3405.7	3144.4	2914.1	2672.8	2445.4	2218.4
-55°	3876.7	3705.8	3522.0	3321.6	3115.8	2925.6	2723.5	2522.9	2328.4	2125.4	1942.3
-57.5°	3251.9	3111.0	2972.5	2821.3	2658.0	2499.3	2337.6	2166.9	2005.6	1843.3	1678.3
-60°	2723.5	2609.4	2499.3	2379.4	2249.8	2112.3	1984.3	1848.9	1706.4	1577.9	1444.5
-62.5°	2260.8	2170.9	2078.3	1984.3	1882.5	1773.2	1663.3	1557.5	1446.0	1330.9	1223.7
-65°	1853.6	1783.8	1706.4	1633.3	1554.5	1469.9	1379.7	1291.2	1202.5	1109.4	1014.0
-67.5°	1497.9	1444.5	1385.3	1323.2	1261.4	1194.9	1123.9	1048.6	976.1	902.8	826.2
-70°	1184.5	1143.0	1097.1	1046.8	996.4	944.8	889.6	831.1	769.3	711.7	655.0
-72.5°	905.6	874.0	839.0	800.6	758.9	719.6	679.6	637.0	592.1	544.8	499.1
-75°	662.5	640.0	615.1	587.8	558.1	526.2	496.4	466.7	435.3	402.2	367.6
-77.5°	458.0	442.8	425.9	407.4	387.2	365.5	342.3	319.5	299.2	277.9	255.5
-80°	290.2	280.8	270.3	258.8	246.3	232.9	218.5	203.1	186.9	172.6	160.6
-82.5°	160.3	155.5	150.2	144.4	138.1	131.3	124.1	116.3	108.2	99.5	90.5
-85°	72.1	70.4	68.4	66.3	64.0	61.5	58.9	56.1	53.1	49.9	46.6
-87.5°	22.6	22.2	21.8	21.3	20.8	20.2	19.7	19.0	18.4	17.7	17.0
-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: P1305892 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-7F-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°	16.2	15.4	14.6	13.8	12.9	12.0	11.1	10.1	9.2	8.2	7.2
85°	43.2	39.6	35.8	32.0	28.0	24.0	22.1	20.3	18.3	16.4	14.4
82.5°	81.1	74.6	69.0	63.2	57.3	51.2	44.9	38.5	31.9	25.3	21.6
80°	148.0	134.9	121.3	107.3	92.8	78.3	69.9	61.4	52.7	43.8	34.8
77.5°	232.1	207.8	182.6	163.7	145.6	127.1	108.0	88.6	73.3	62.2	50.9
75°	331.5	301.2	270.9	239.7	207.6	175.8	153.0	129.7	106.0	81.8	67.0
72.5°	457.0	413.2	367.8	322.2	284.7	246.2	206.9	170.5	142.8	114.7	86.2
70°	596.0	534.7	479.4	426.0	371.0	317.1	272.2	226.3	179.6	147.2	114.7
67.5°	746.7	677.7	606.3	532.8	467.9	404.5	339.7	285.2	232.9	179.6	142.8
65°	925.2	833.2	739.8	658.1	574.1	493.2	421.4	348.1	285.2	226.3	170.5
62.5°	1112.2	1000.4	895.8	788.1	689.3	594.9	501.7	421.4	339.7	272.2	206.9
60°	1310.5	1184.5	1054.5	933.7	813.3	699.8	594.9	493.2	404.5	317.1	246.2
57.5°	1527.9	1372.5	1228.1	1083.5	946.3	813.3	689.3	574.1	467.9	371.0	284.7
55°	1753.1	1578.4	1405.9	1242.7	1083.5	933.7	788.1	658.1	532.8	426.0	322.2
52.5°	2002.2	1792.7	1595.3	1405.9	1228.1	1054.5	895.8	739.8	606.3	479.4	367.8
50°	2265.2	2022.2	1792.7	1578.4	1372.5	1184.5	1000.4	833.2	677.7	534.7	413.2
47.5°	2540.0	2265.2	2002.2	1753.1	1527.9	1310.5	1112.2	925.2	746.7	596.0	457.0
45°	2837.6	2516.3	2218.4	1942.3	1678.3	1444.5	1223.7	1014.0	826.2	655.0	499.1
42.5°	3136.0	2782.4	2445.4	2125.4	1843.3	1577.9	1330.9	1109.4	902.8	711.7	544.8
40°	3480.1	3052.2	2672.8	2328.4	2005.6	1706.4	1446.0	1202.5	976.1	769.3	592.1
37.5°	3817.1	3343.1	2914.1	2522.9	2166.9	1848.9	1557.5	1291.2	1048.6	831.1	637.0
35°	4181.9	3644.1	3144.4	2723.5	2337.6	1984.3	1663.3	1379.7	1123.9	889.6	679.6
32.5°	4532.7	3942.8	3405.7	2925.6	2499.3	2112.3	1773.2	1469.9	1194.9	944.8	719.6
30°	4916.1	4251.4	3656.2	3115.8	2658.0	2249.8	1882.5	1554.5	1261.4	996.4	758.9
27.5°	5292.1	4540.7	3897.6	3321.6	2821.3	2379.4	1984.3	1633.3	1323.2	1046.8	800.6
25°	5655.9	4849.9	4146.1	3522.0	2972.5	2499.3	2078.3	1706.4	1385.3	1097.1	839.0
22.5°	6024.9	5148.4	4374.3	3705.8	3111.0	2609.4	2170.9	1783.8	1444.5	1143.0	874.0
20°	6360.8	5419.6	4581.5	3876.7	3251.9	2723.5	2260.8	1853.6	1497.9	1184.5	905.6
17.5°	6670.3	5678.9	4797.9	4046.5	3387.8	2825.2	2340.7	1915.8	1545.4	1221.2	933.7
15°	6980.5	5922.5	4993.7	4195.1	3506.6	2914.1	2410.5	1970.0	1586.9	1253.3	958.1
12.5°	7246.2	6131.0	5160.9	4322.1	3608.0	2989.9	2470.0	2016.2	1622.1	1280.6	978.9
10°	7466.0	6303.1	5299.0	4426.7	3691.5	3052.2	2519.0	2054.2	1651.1	1303.0	996.0
7.5°	7638.4	6438.1	5407.1	4508.6	3756.8	3101.0	2557.2	2083.8	1673.7	1320.5	1009.3
5°	7762.3	6535.0	5484.7	4567.3	3803.7	3136.0	2584.6	2105.1	1689.9	1333.1	1018.9
2.5°	7837.0	6593.4	5531.4	4602.7	3831.9	3157.0	2601.1	2117.8	1699.6	1340.6	1024.6
0°	7862.0	6612.9	5547.0	4614.5	3841.3	3164.0	2606.6	2122.1	1702.9	1343.1	1026.5
-2.5°	7837.0	6593.4	5531.4	4602.7	3831.9	3157.0	2601.1	2117.8	1699.6	1340.6	1024.6
-5°	7762.3	6535.0	5484.7	4567.3	3803.7	3136.0	2584.6	2105.1	1689.9	1333.1	1018.9
-7.5°	7638.4	6438.1	5407.1	4508.6	3756.8	3101.0	2557.2	2083.8	1673.7	1320.5	1009.3
-10°	7466.0	6303.1	5299.0	4426.7	3691.5	3052.2	2519.0	2054.2	1651.1	1303.0	996.0
-12.5°	7246.2	6131.0	5160.9	4322.1	3608.0	2989.9	2470.0	2016.2	1622.1	1280.6	978.9
-15°	6980.5	5922.5	4993.7	4195.1	3506.6	2914.1	2410.5	1970.0	1586.9	1253.3	958.1
-17.5°	6670.3	5678.9	4797.9	4046.5	3387.8	2825.2	2340.7	1915.8	1545.4	1221.2	933.7
-20°	6360.8	5419.6	4581.5	3876.7	3251.9	2723.5	2260.8	1853.6	1497.9	1184.5	905.6



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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°	6024.9	5148.4	4374.3	3705.8	3111.0	2609.4	2170.9	1783.8	1444.5	1143.0	874.0
-25°	5655.9	4849.9	4146.1	3522.0	2972.5	2499.3	2078.3	1706.4	1385.3	1097.1	839.0
-27.5°	5292.1	4540.7	3897.6	3321.6	2821.3	2379.4	1984.3	1633.3	1323.2	1046.8	800.6
-30°	4916.1	4251.4	3656.2	3115.8	2658.0	2249.8	1882.5	1554.5	1261.4	996.4	758.9
-32.5°	4532.7	3942.8	3405.7	2925.6	2499.3	2112.3	1773.2	1469.9	1194.9	944.8	719.6
-35°	4181.9	3644.1	3144.4	2723.5	2337.6	1984.3	1663.3	1379.7	1123.9	889.6	679.6
-37.5°	3817.1	3343.1	2914.1	2522.9	2166.9	1848.9	1557.5	1291.2	1048.6	831.1	637.0
-40°	3480.1	3052.2	2672.8	2328.4	2005.6	1706.4	1446.0	1202.5	976.1	769.3	592.1
-42.5°	3136.0	2782.4	2445.4	2125.4	1843.3	1577.9	1330.9	1109.4	902.8	711.7	544.8
-45°	2837.6	2516.3	2218.4	1942.3	1678.3	1444.5	1223.7	1014.0	826.2	655.0	499.1
-47.5°	2540.0	2265.2	2002.2	1753.1	1527.9	1310.5	1112.2	925.2	746.7	596.0	457.0
-50°	2265.2	2022.2	1792.7	1578.4	1372.5	1184.5	1000.4	833.2	677.7	534.7	413.2
-52.5°	2002.2	1792.7	1595.3	1405.9	1228.1	1054.5	895.8	739.8	606.3	479.4	367.8
-55°	1753.1	1578.4	1405.9	1242.7	1083.5	933.7	788.1	658.1	532.8	426.0	322.2
-57.5°	1527.9	1372.5	1228.1	1083.5	946.3	813.3	689.3	574.1	467.9	371.0	284.7
-60°	1310.5	1184.5	1054.5	933.7	813.3	699.8	594.9	493.2	404.5	317.1	246.2
-62.5°	1112.2	1000.4	895.8	788.1	689.3	594.9	501.7	421.4	339.7	272.2	206.9
-65°	925.2	833.2	739.8	658.1	574.1	493.2	421.4	348.1	285.2	226.3	170.5
-67.5°	746.7	677.7	606.3	532.8	467.9	404.5	339.7	285.2	232.9	179.6	142.8
-70°	596.0	534.7	479.4	426.0	371.0	317.1	272.2	226.3	179.6	147.2	114.7
-72.5°	457.0	413.2	367.8	322.2	284.7	246.2	206.9	170.5	142.8	114.7	86.2
-75°	331.5	301.2	270.9	239.7	207.6	175.8	153.0	129.7	106.0	81.8	67.0
-77.5°	232.1	207.8	182.6	163.7	145.6	127.1	108.0	88.6	73.3	62.2	50.9
-80°	148.0	134.9	121.3	107.3	92.8	78.3	69.9	61.4	52.7	43.8	34.8
-82.5°	81.1	74.6	69.0	63.2	57.3	51.2	44.9	38.5	31.9	25.3	21.6
-85°	43.2	39.6	35.8	32.0	28.0	24.0	22.1	20.3	18.3	16.4	14.4
-87.5°	16.2	15.4	14.6	13.8	12.9	12.0	11.1	10.1	9.2	8.2	7.2
-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°	6.2	5.2	4.2	3.1	2.1	1.0	0.0
85°	12.4	10.4	8.3	6.3	4.2	2.1	0.0
82.5°	18.6	15.5	12.5	9.4	6.3	3.1	0.0
80°	25.7	20.7	16.6	12.5	8.3	4.2	0.0
77.5°	39.6	28.0	20.7	15.5	10.4	5.2	0.0
75°	53.3	39.6	25.7	18.6	12.4	6.2	0.0
72.5°	67.0	50.9	34.8	21.6	14.4	7.2	0.0
70°	81.8	62.2	43.8	25.3	16.4	8.2	0.0
67.5°	106.0	73.3	52.7	31.9	18.3	9.2	0.0
65°	129.7	88.6	61.4	38.5	20.3	10.1	0.0
62.5°	153.0	108.0	69.9	44.9	22.1	11.1	0.0
60°	175.8	127.1	78.3	51.2	24.0	12.0	0.0
57.5°	207.6	145.6	92.8	57.3	28.0	12.9	0.0
55°	239.7	163.7	107.3	63.2	32.0	13.8	0.0
52.5°	270.9	182.6	121.3	69.0	35.8	14.6	0.0
50°	301.2	207.8	134.9	74.6	39.6	15.4	0.0
47.5°	331.5	232.1	148.0	81.1	43.2	16.2	0.0
45°	367.6	255.5	160.6	90.5	46.6	17.0	0.0
42.5°	402.2	277.9	172.6	99.5	49.9	17.7	0.0
40°	435.3	299.2	186.9	108.2	53.1	18.4	0.0
37.5°	466.7	319.5	203.1	116.3	56.1	19.0	0.0
35°	496.4	342.3	218.5	124.1	58.9	19.7	0.0
32.5°	526.2	365.5	232.9	131.3	61.5	20.2	0.0
30°	558.1	387.2	246.3	138.1	64.0	20.8	0.0
27.5°	587.8	407.4	258.8	144.4	66.3	21.3	0.0
25°	615.1	425.9	270.3	150.2	68.4	21.8	0.0
22.5°	640.0	442.8	280.8	155.5	70.4	22.2	0.0
20°	662.5	458.0	290.2	160.3	72.1	22.6	0.0
17.5°	682.4	471.5	298.6	164.5	73.6	22.9	0.0
15°	699.8	483.3	305.9	168.2	75.0	23.2	0.0
12.5°	714.5	493.2	312.0	171.3	76.1	23.4	0.0
10°	726.6	501.4	317.1	173.8	77.0	23.6	0.0
7.5°	736.1	507.8	321.1	175.8	77.8	23.8	0.0
5°	742.9	512.4	323.9	177.3	78.3	23.9	0.0
2.5°	746.9	515.2	325.6	178.1	78.6	24.0	0.0
0°	748.3	516.1	326.2	178.4	78.7	24.0	0.0
-2.5°	746.9	515.2	325.6	178.1	78.6	24.0	0.0
-5°	742.9	512.4	323.9	177.3	78.3	23.9	0.0
-7.5°	736.1	507.8	321.1	175.8	77.8	23.8	0.0
-10°	726.6	501.4	317.1	173.8	77.0	23.6	0.0
-12.5°	714.5	493.2	312.0	171.3	76.1	23.4	0.0
-15°	699.8	483.3	305.9	168.2	75.0	23.2	0.0
-17.5°	682.4	471.5	298.6	164.5	73.6	22.9	0.0
-20°	662.5	458.0	290.2	160.3	72.1	22.6	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	640.0	442.8	280.8	155.5	70.4	22.2	0.0
-25°	615.1	425.9	270.3	150.2	68.4	21.8	0.0
-27.5°	587.8	407.4	258.8	144.4	66.3	21.3	0.0
-30°	558.1	387.2	246.3	138.1	64.0	20.8	0.0
-32.5°	526.2	365.5	232.9	131.3	61.5	20.2	0.0
-35°	496.4	342.3	218.5	124.1	58.9	19.7	0.0
-37.5°	466.7	319.5	203.1	116.3	56.1	19.0	0.0
-40°	435.3	299.2	186.9	108.2	53.1	18.4	0.0
-42.5°	402.2	277.9	172.6	99.5	49.9	17.7	0.0
-45°	367.6	255.5	160.6	90.5	46.6	17.0	0.0
-47.5°	331.5	232.1	148.0	81.1	43.2	16.2	0.0
-50°	301.2	207.8	134.9	74.6	39.6	15.4	0.0
-52.5°	270.9	182.6	121.3	69.0	35.8	14.6	0.0
-55°	239.7	163.7	107.3	63.2	32.0	13.8	0.0
-57.5°	207.6	145.6	92.8	57.3	28.0	12.9	0.0
-60°	175.8	127.1	78.3	51.2	24.0	12.0	0.0
-62.5°	153.0	108.0	69.9	44.9	22.1	11.1	0.0
-65°	129.7	88.6	61.4	38.5	20.3	10.1	0.0
-67.5°	106.0	73.3	52.7	31.9	18.3	9.2	0.0
-70°	81.8	62.2	43.8	25.3	16.4	8.2	0.0
-72.5°	67.0	50.9	34.8	21.6	14.4	7.2	0.0
-75°	53.3	39.6	25.7	18.6	12.4	6.2	0.0
-77.5°	39.6	28.0	20.7	15.5	10.4	5.2	0.0
-80°	25.7	20.7	16.6	12.5	8.3	4.2	0.0
-82.5°	18.6	15.5	12.5	9.4	6.3	3.1	0.0
-85°	12.4	10.4	8.3	6.3	4.2	2.1	0.0
-87.5°	6.2	5.2	4.2	3.1	2.1	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)