

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: P1306174 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-530N-40-80-5S-CV2-A**

Issue Date: 2/3/2026

Test Information

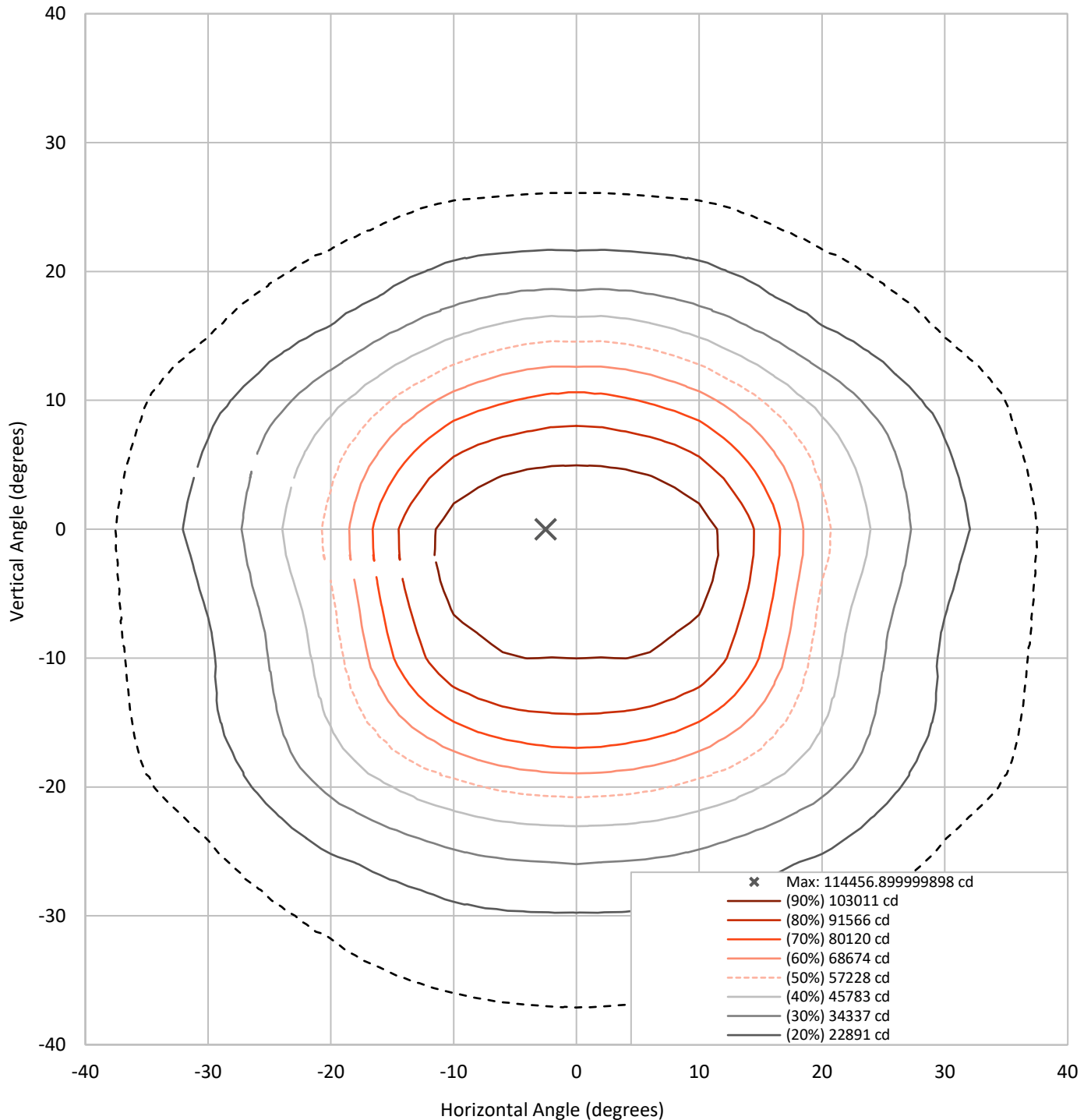
Test Method: LM-79-08
Report Number: P1306174 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-530N-40-80-5S-CV2-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 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:	56487.7 lumens	Max Intensity:	114456.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	102.0 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:	31069.4 lumens	Field Lumens:	51749.2 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%
Input Watts (W):	554		
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





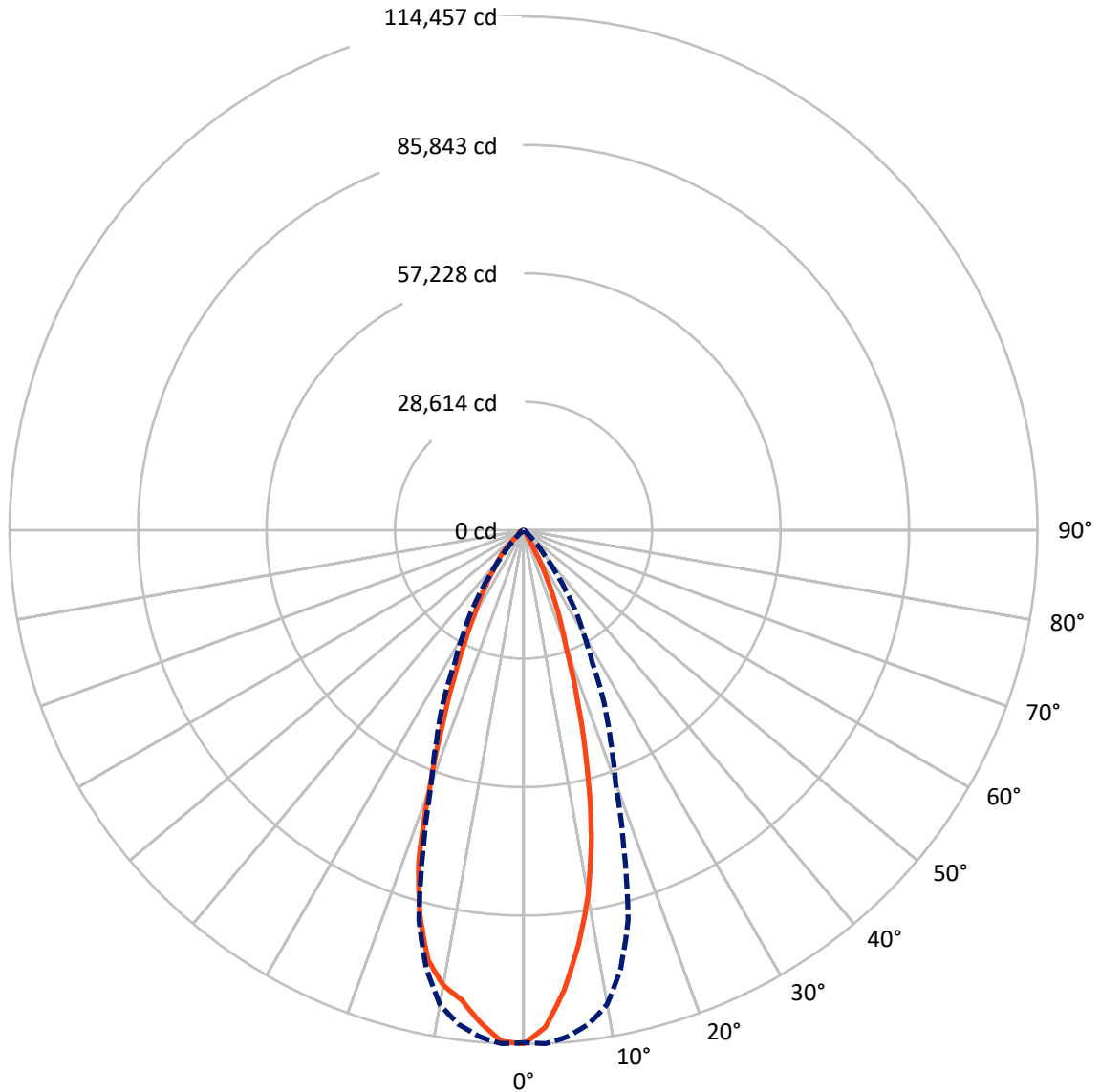
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Lumen Table

90	0.1	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.1									
80	0.1	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.1									
70	0.2	0.1	0.1	0.3	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.3	0.1	0.1	0.2		
60		0.1	0.2	0.6	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.6	0.2	0.1			
50	0.2	0.1	0.3	0.5	0.7	0.9	1.4	1.7	1.7	1.4	0.9	0.7	0.5	0.3	0.1	0.2		
40		0.2	0.7	1.7	4.6	12.7	22.0	28.0	28.0	22.0	12.7	4.6	1.7	0.7	0.2			
30	0.2	0.3	2.5	8.6	50.1	144.2	293.1	423.2	423.2	293.1	144.2	50.1	8.6	2.5	0.3	0.2		
20		0.7	5.3	28.1	178.4	522.9	1071.6	1583.1	1583.1	1071.6	522.9	178.4	28.1	5.3	0.7			
10	0.2	1.2	9.1	61.2	367.0	1048.3	2194.9	2995.6	2995.6	2194.9	1048.3	367.0	61.2	9.1	1.2	0.2		
0		2.1	12.4	74.0	384.3	1073.4	2463.2	3283.1	3283.1	2463.2	1073.4	384.3	74.0	12.4	2.1			
-10	0.3	2.4	12.7	59.4	326.2	883.8	1861.2	2563.0	2563.0	1861.2	883.8	326.2	59.4	12.7	2.4	0.3		
-20		2.1	10.4	27.9	163.6	472.9	869.7	1142.0	1142.0	869.7	472.9	163.6	27.9	10.4	2.1			
-30	0.3	1.6	7.2	16.3	47.8	178.2	327.9	427.7	427.7	327.9	178.2	47.8	16.3	7.2	1.6	0.3		
-40		1.0	4.3	11.5	21.1	39.5	89.1	134.4	134.4	89.1	39.5	21.1	11.5	4.3	1.0			
-50	0.2	0.5	2.2	6.4	13.4	22.2	30.4	35.2	35.2	30.4	22.2	13.4	6.4	2.2	0.5	0.2		
-60		0.2	0.8	2.5	5.6	9.8	14.8	17.7	17.7	14.8	9.8	5.6	2.5	0.8	0.2			
-70	0.2	0.5	2.2	6.4	13.4	22.2	30.4	35.2	35.2	30.4	22.2	13.4	6.4	2.2	0.5	0.2		
-80		0.2	0.8	2.5	5.6	9.8	14.8	17.7	17.7	14.8	9.8	5.6	2.5	0.8	0.2			
-90	0.2	0.6	2.0	5.3	7.5	5.3	2.0	0.6	0.2									

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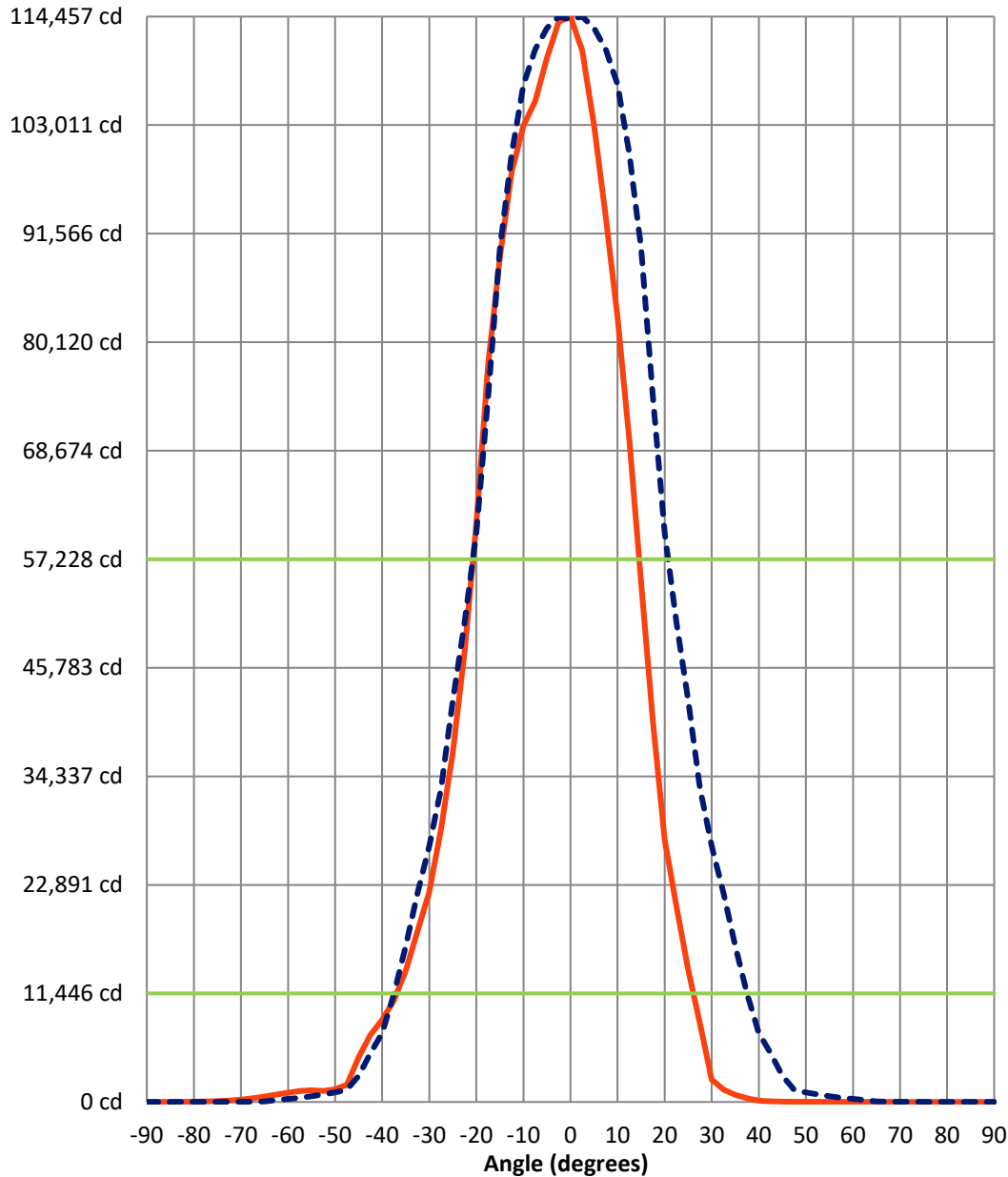
Luminous Intensity Polar Plot



— 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: 31069.4
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 51749.2
 Efficiency: 91.6%

Spill:
 Lumens: 4738.5
 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°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
82.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
80°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.8
72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.8	7.0	7.1	6.9
70°	6.7	6.7	6.7	6.7	6.7	6.7	6.8	7.2	7.4	7.3	7.4
67.5°	6.7	6.7	6.7	6.7	6.7	6.7	7.1	7.6	7.7	7.7	7.9
65°	6.7	6.7	6.7	6.7	6.7	6.9	7.5	8.0	7.9	8.1	8.3
62.5°	6.7	6.7	6.7	6.7	6.7	7.2	7.9	8.2	8.1	8.3	8.3
60°	6.7	6.7	6.7	6.7	6.7	7.5	8.3	8.3	8.3	8.3	8.3
57.5°	6.7	6.7	6.7	6.7	6.9	7.8	8.3	8.3	8.3	8.3	8.3
55°	6.7	6.7	6.7	6.7	7.2	8.1	8.3	8.3	8.3	8.3	8.3
52.5°	6.7	6.7	6.7	6.7	7.4	8.3	8.3	8.3	8.3	8.3	8.3
50°	6.7	6.7	6.7	6.7	7.6	8.3	8.3	8.3	8.3	8.3	8.8
47.5°	6.7	6.7	6.7	6.7	7.8	8.3	8.3	8.3	8.3	8.3	9.4
45°	6.7	6.7	6.7	6.9	8.0	8.3	8.3	8.3	8.4	8.8	9.9
42.5°	6.7	6.7	6.7	7.0	8.2	8.3	8.3	8.4	8.5	9.2	10.4
40°	6.7	6.7	6.7	7.2	8.3	8.3	8.3	8.5	8.7	9.7	10.9
37.5°	6.7	6.7	6.7	7.3	8.3	8.3	8.3	8.7	9.2	10.3	11.4
35°	6.7	6.7	6.7	7.3	8.3	8.3	8.3	8.9	9.7	10.9	11.9
32.5°	6.7	6.7	6.7	7.4	8.3	8.3	8.4	9.1	10.2	11.5	12.7
30°	6.7	6.7	6.7	7.4	8.3	8.3	8.5	9.4	10.6	12.2	13.6
27.5°	6.7	6.7	6.7	7.4	8.2	8.3	8.7	9.8	11.1	12.9	14.7
25°	6.7	6.7	6.7	7.4	8.2	8.3	8.9	10.1	11.7	13.8	16.0
22.5°	6.7	6.7	6.7	7.4	8.2	8.3	9.1	10.4	12.2	14.7	18.8
20°	6.7	6.7	6.7	7.4	8.2	8.3	9.3	10.8	12.8	15.7	21.7
17.5°	6.7	6.7	6.7	7.3	8.2	8.3	9.5	11.1	13.4	16.7	24.6
15°	6.7	6.7	6.7	7.3	8.2	8.3	9.6	11.3	14.0	17.8	27.5
12.5°	6.7	6.7	6.7	7.2	8.2	8.3	9.8	11.4	14.5	18.8	30.3
10°	6.7	6.7	6.7	7.1	8.2	8.3	9.8	11.5	15.0	20.3	34.1
7.5°	6.7	6.7	6.7	7.0	8.3	8.3	9.9	11.6	15.5	22.0	40.3
5°	6.7	6.7	6.7	6.9	8.3	8.3	10.0	11.7	15.9	23.6	46.5
2.5°	6.7	6.7	6.7	6.8	8.3	8.3	10.0	11.7	16.4	25.2	52.7
0°	6.7	6.7	6.7	6.7	8.3	8.3	10.0	11.7	16.7	26.7	58.4
-2.5°	6.7	6.7	6.7	6.8	8.3	8.7	10.7	13.3	21.2	36.6	75.5
-5°	6.7	6.7	6.7	6.9	8.3	9.0	11.3	14.8	25.5	46.0	91.5
-7.5°	6.7	6.7	6.7	7.0	8.3	9.4	11.9	16.2	29.4	54.7	106.1
-10°	6.7	6.7	6.7	7.1	8.2	9.7	12.4	17.4	32.8	62.3	118.7
-12.5°	6.7	6.7	6.7	7.2	8.2	9.9	12.9	18.5	35.6	68.7	127.5
-15°	6.7	6.7	6.7	7.3	8.2	10.1	13.3	19.5	38.3	74.2	133.6
-17.5°	6.7	6.7	6.7	7.3	8.2	10.3	13.7	20.8	41.0	78.2	137.6
-20°	6.7	6.7	6.7	7.4	8.2	10.3	14.1	22.3	42.7	80.7	139.4



REPORT NUMBER: P1306174 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.7	6.7	6.7	7.4	8.2	10.3	14.6	23.3	43.3	81.4	139.0
-25°	6.7	6.7	6.7	7.4	8.2	10.3	14.9	23.9	42.9	80.3	136.2
-27.5°	6.7	6.7	6.7	7.4	8.2	10.2	14.9	24.0	41.2	78.3	134.6
-30°	6.7	6.7	6.7	7.4	8.3	10.0	14.7	23.4	40.3	76.3	130.6
-32.5°	6.7	6.7	6.7	7.4	8.4	9.7	14.1	23.1	39.7	72.6	124.1
-35°	6.7	6.7	6.7	7.3	8.5	9.4	13.7	22.4	38.3	67.2	114.8
-37.5°	6.7	6.7	6.7	7.3	8.5	9.2	13.3	21.4	36.1	60.0	101.3
-40°	6.7	6.7	6.7	7.2	8.6	9.3	12.8	19.9	33.0	55.2	88.7
-42.5°	6.7	6.7	6.7	7.0	8.5	9.3	12.1	17.9	30.2	49.5	75.5
-45°	6.7	6.7	6.7	6.9	8.4	9.3	11.4	16.2	27.5	43.2	62.6
-47.5°	6.7	6.7	6.7	6.8	8.2	9.3	10.6	15.2	24.1	36.5	55.1
-50°	6.7	6.7	6.7	6.8	8.0	9.2	10.4	14.0	19.9	31.7	47.0
-52.5°	6.7	6.7	6.7	6.9	7.9	9.2	10.2	12.8	17.4	26.5	38.7
-55°	6.7	6.7	6.7	6.9	7.7	9.0	10.1	11.5	15.6	20.9	32.3
-57.5°	6.7	6.7	6.7	6.9	7.5	8.7	9.9	11.2	13.7	17.9	25.5
-60°	6.7	6.7	6.7	6.9	7.3	8.4	9.6	10.8	12.0	15.5	19.7
-62.5°	6.7	6.7	6.7	7.0	7.3	8.2	9.3	10.4	11.6	13.1	16.9
-65°	6.7	6.7	6.7	7.0	7.4	7.9	8.9	10.0	11.1	12.1	13.9
-67.5°	6.7	6.7	6.7	7.0	7.4	7.8	8.6	9.6	10.6	11.6	12.6
-70°	6.7	6.7	6.7	7.0	7.4	7.8	8.2	9.2	10.1	11.1	12.0
-72.5°	6.7	6.7	6.7	7.0	7.4	7.8	8.2	8.7	9.6	10.5	11.4
-75°	6.7	6.7	6.7	7.0	7.4	7.8	8.2	8.6	9.1	9.9	10.7
-77.5°	6.7	6.7	6.7	6.9	7.4	7.9	8.2	8.5	8.8	9.4	10.1
-80°	6.7	6.7	6.7	6.9	7.2	7.7	8.3	8.4	8.6	8.9	9.4
-82.5°	6.7	6.7	6.7	6.9	7.1	7.5	7.9	8.1	8.3	8.5	8.7
-85°	6.7	6.7	6.7	6.8	7.0	7.2	7.5	7.7	7.8	7.9	8.1
-87.5°	6.7	6.7	6.7	6.8	6.8	7.0	7.1	7.2	7.2	7.3	7.4
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7



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 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.7	6.7	6.7	6.7	6.3	5.9	5.4	5.0	5.0	5.0	5.0
87.5°	6.5	6.3	6.1	6.0	5.8	5.5	5.3	5.0	4.6	4.2	3.7
85°	6.7	6.7	6.7	6.7	6.3	5.9	5.4	5.0	4.8	4.6	4.5
82.5°	6.7	6.7	6.7	6.7	6.3	5.9	5.5	5.0	5.0	5.0	5.0
80°	6.7	6.7	6.7	6.7	6.3	5.9	5.5	5.1	5.0	5.1	5.1
77.5°	6.7	6.7	6.7	6.7	6.4	6.1	6.0	5.9	5.9	5.8	5.5
75°	6.7	6.7	6.8	6.8	6.6	6.6	6.7	6.7	6.4	6.0	5.6
72.5°	7.0	7.2	7.1	6.9	6.7	6.7	6.7	6.7	6.9	7.0	6.9
70°	7.6	7.7	7.4	7.0	6.7	6.9	7.6	8.5	9.3	9.2	9.1
67.5°	8.2	7.8	7.4	7.1	7.3	8.1	9.2	10.5	11.8	11.8	12.2
65°	8.3	7.9	7.7	7.8	8.2	9.7	11.2	12.7	16.2	18.5	19.5
62.5°	8.3	8.1	8.1	8.7	10.0	11.6	13.9	17.9	23.5	26.5	25.7
60°	8.3	8.2	8.9	10.1	11.6	13.2	16.8	22.3	29.7	35.0	31.9
57.5°	8.3	8.7	9.9	11.2	12.4	13.8	18.7	25.7	34.2	43.5	37.7
55°	8.5	9.5	10.7	12.0	13.1	14.3	19.5	27.4	37.1	42.6	37.1
52.5°	9.2	10.2	11.4	12.6	13.9	15.2	19.0	26.6	32.4	36.7	34.0
50°	9.8	10.8	12.0	13.3	14.8	16.2	16.9	23.1	27.7	29.6	29.5
47.5°	10.5	11.5	12.5	14.1	15.9	17.2	17.1	20.2	23.6	25.8	24.0
45°	11.1	12.2	13.2	15.3	17.3	18.5	19.4	18.7	24.1	25.6	24.5
42.5°	11.6	12.7	14.7	16.7	19.2	21.9	23.4	25.4	28.1	30.6	30.0
40°	12.2	13.3	16.7	20.7	22.5	27.5	32.5	35.6	36.7	39.0	39.0
37.5°	12.7	15.5	20.6	28.9	29.0	36.6	43.7	50.7	52.8	49.0	55.5
35°	13.1	17.8	31.3	41.2	42.8	48.5	60.3	71.1	77.5	73.8	79.9
32.5°	14.7	20.4	45.0	55.4	65.8	71.0	79.4	102.7	125.1	131.9	120.1
30°	17.3	33.0	60.7	71.1	95.5	111.6	116.6	148.0	194.8	235.8	316.6
27.5°	20.6	48.4	75.4	97.5	132.6	161.5	174.2	225.5	305.5	413.6	646.0
25°	24.1	64.7	91.0	131.0	181.2	214.9	235.5	307.8	442.2	787.2	1221.5
22.5°	32.6	81.2	110.7	168.4	236.1	265.3	308.9	407.5	633.0	1206.3	1926.9
20°	45.8	96.9	138.7	205.4	294.9	313.5	376.6	503.0	894.1	1762.6	2628.3
17.5°	58.8	114.5	169.5	249.0	340.1	377.5	442.2	590.1	1113.2	2459.7	3538.8
15°	71.4	133.7	198.5	293.2	393.0	466.7	565.9	786.1	1531.9	3285.1	4744.3
12.5°	83.4	153.8	225.6	337.2	454.2	561.4	707.7	1105.6	2278.8	4249.3	6427.3
10°	94.6	174.3	250.7	380.1	521.2	659.4	854.5	1455.1	3033.7	5088.4	7759.8
7.5°	120.5	205.5	278.9	421.2	591.4	758.6	1002.8	1818.8	3714.9	5798.5	8873.4
5°	149.2	247.7	332.7	485.6	665.2	851.9	1138.6	2179.0	4312.2	6383.5	9876.4
2.5°	177.3	288.4	385.1	549.6	736.0	933.1	1222.7	2493.1	4780.9	6878.4	10741.9
0°	203.5	326.9	435.3	608.8	800.6	1007.5	1294.4	2767.2	5137.4	7279.1	11424.0
-2.5°	235.5	368.1	491.0	665.2	822.4	1009.7	1295.5	2666.0	5215.0	7657.7	11168.1
-5°	263.2	405.7	542.7	716.4	841.7	1006.6	1285.1	2511.3	5172.1	7860.4	10961.9
-7.5°	285.5	439.2	589.3	757.2	859.5	1016.9	1310.1	2545.4	5100.9	7860.4	10832.5
-10°	298.4	448.7	589.7	755.0	871.1	1030.1	1327.2	2485.2	4883.5	7697.6	10569.5
-12.5°	286.9	436.9	577.4	745.1	878.4	1032.8	1321.7	2315.1	4517.0	7365.8	10241.2
-15°	273.2	422.7	560.1	726.9	881.0	1023.8	1290.9	2023.5	3916.5	6651.1	9845.2
-17.5°	258.0	406.5	537.5	699.8	878.8	1002.2	1215.8	1562.2	3139.1	5652.6	8936.7
-20°	241.8	388.5	509.5	663.2	866.7	952.5	1101.7	1385.9	2476.7	4533.3	7508.1



REPORT NUMBER: P1306174 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	225.2	369.0	480.2	627.1	796.7	892.6	995.1	1199.7	1751.1	3275.2	5661.2
-25°	215.7	344.4	454.7	579.5	724.8	836.7	887.9	1016.7	1292.7	2404.3	4133.1
-27.5°	211.4	321.0	423.3	530.5	659.3	778.1	815.6	899.0	1105.2	1551.0	2792.1
-30°	204.1	289.3	388.8	483.6	601.8	707.8	762.7	815.5	947.2	1188.2	1875.6
-32.5°	187.9	257.0	351.5	443.2	545.3	648.0	730.7	781.3	864.2	990.0	1218.0
-35°	168.0	233.2	313.7	399.6	489.4	592.5	685.8	759.9	800.1	886.8	1039.4
-37.5°	149.8	207.3	275.7	355.5	439.2	534.7	637.3	718.2	777.1	818.6	928.0
-40°	130.5	179.6	243.3	314.1	389.5	476.8	571.2	665.2	739.8	801.9	850.5
-42.5°	110.9	157.2	211.0	273.4	344.8	421.3	502.4	594.6	687.3	768.0	829.3
-45°	95.7	134.0	178.3	238.0	301.0	367.7	441.2	517.5	617.0	708.5	784.8
-47.5°	79.8	111.6	152.3	201.9	259.7	319.1	381.1	457.4	540.1	630.4	717.5
-50°	65.3	93.8	126.3	171.1	220.5	273.0	328.1	397.9	474.1	551.1	630.8
-52.5°	55.8	75.4	105.5	140.6	184.3	231.2	282.0	341.6	409.1	479.5	550.1
-55°	45.8	62.8	85.1	114.7	148.9	190.9	238.7	290.5	343.5	407.6	471.0
-57.5°	37.0	51.4	69.0	91.0	119.3	150.8	195.1	241.2	289.8	339.4	392.2
-60°	28.7	40.7	55.6	72.7	92.2	120.0	151.6	191.4	234.7	278.2	322.7
-62.5°	21.0	30.7	42.9	57.1	73.2	90.7	116.1	146.1	178.5	214.8	252.1
-65°	17.6	21.9	30.7	42.4	55.4	70.6	87.2	105.0	131.3	157.2	183.0
-67.5°	14.0	17.7	21.8	27.7	38.7	50.7	63.5	78.6	94.4	108.9	125.8
-70°	12.8	13.8	16.7	20.6	24.9	31.5	42.2	53.4	64.7	75.7	88.0
-72.5°	12.1	12.7	13.6	14.7	17.9	21.8	26.2	31.1	38.4	47.0	55.6
-75°	11.3	11.7	12.2	13.0	13.9	15.0	16.5	20.1	23.9	27.6	31.2
-77.5°	10.5	10.8	11.1	11.4	11.8	12.5	13.3	14.2	15.5	17.0	18.6
-80°	9.7	10.0	10.2	10.5	10.5	10.6	10.8	11.1	11.5	12.1	12.9
-82.5°	8.9	9.1	9.3	9.5	9.3	9.1	8.8	8.7	9.0	9.3	9.6
-85°	8.2	8.3	8.4	8.5	8.3	8.0	7.7	7.4	7.5	7.6	7.6
-87.5°	7.4	7.5	7.6	7.6	7.3	6.9	6.6	6.2	6.3	6.3	6.3
-90°	6.3	5.9	5.4	5.0	5.0	5.0	5.0	5.0	4.6	4.2	3.7



REPORT NUMBER: P1306174 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.0	5.0	5.0	5.0	5.0	5.4	5.9	6.3	6.7	7.5	8.3
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.9	2.5
85°	4.4	4.2	3.9	3.6	3.3	3.3	3.3	3.3	3.3	2.9	2.5
82.5°	5.0	4.6	4.2	3.8	3.3	3.3	3.3	3.3	3.3	2.9	2.5
80°	5.0	4.8	4.6	4.4	4.4	4.2	4.0	3.7	3.3	2.9	2.5
77.5°	5.1	5.0	5.0	5.0	5.0	4.7	4.2	3.8	3.4	2.9	2.5
75°	5.2	5.1	5.2	5.2	5.1	4.9	4.7	4.7	4.7	4.4	4.1
72.5°	6.6	6.3	6.2	6.0	5.8	5.7	5.6	5.4	5.1	4.9	4.9
70°	8.9	8.8	8.6	8.3	8.0	7.6	7.4	7.0	6.5	6.4	6.5
67.5°	13.1	13.4	13.2	12.6	11.4	10.2	9.6	8.9	8.2	8.1	8.7
65°	19.3	16.8	15.3	14.0	12.8	11.9	11.2	10.6	9.9	10.1	11.5
62.5°	22.9	17.9	15.3	14.3	13.7	13.1	12.2	11.6	11.3	11.6	12.7
60°	26.6	19.2	14.3	13.4	12.6	11.8	11.7	11.7	11.7	11.8	12.4
57.5°	28.5	19.7	13.2	12.8	12.3	11.9	11.9	12.0	11.9	11.7	12.2
55°	27.8	19.8	13.6	13.0	12.9	13.0	13.1	12.4	12.0	11.7	12.2
52.5°	25.4	19.1	14.6	13.4	13.4	12.8	11.8	12.3	13.0	13.6	14.2
50°	22.6	18.0	15.7	14.6	14.6	14.7	14.7	15.6	16.4	16.9	17.6
47.5°	20.7	18.0	17.9	17.6	18.1	19.0	19.4	20.3	22.8	24.1	24.8
45°	20.9	22.2	23.1	23.9	23.8	28.6	31.9	33.8	36.0	38.1	39.8
42.5°	28.3	31.5	34.4	38.7	41.3	49.2	53.3	48.2	58.8	68.1	70.3
40°	43.3	47.9	58.2	69.6	83.3	89.2	117.0	118.3	130.4	160.5	170.3
37.5°	65.8	79.2	114.8	145.0	192.9	221.5	256.8	290.6	317.9	345.8	364.9
35°	102.6	170.8	224.5	318.7	383.1	415.6	457.6	507.7	528.9	616.8	684.1
32.5°	219.2	341.6	487.5	562.8	647.3	711.9	702.9	911.2	991.5	1123.7	1231.2
30°	405.1	697.6	1089.4	1089.4	1074.3	1430.5	1560.9	1830.0	2105.8	2289.6	2729.0
27.5°	936.4	1557.2	2177.8	2190.3	2459.2	3203.1	3626.7	3754.0	4950.9	5719.6	6768.0
25°	1725.6	2747.3	3603.4	4001.7	4800.3	6012.2	6729.7	7585.2	9371.6	11407.1	12692.2
22.5°	2569.9	3658.8	4945.2	5852.4	7382.8	8941.8	10246.6	12134.4	14535.3	16806.8	18343.6
20°	3205.5	4484.8	6301.7	8207.2	10146.0	12100.5	14127.2	16721.2	19971.4	22737.3	25237.2
17.5°	4501.5	5854.1	8313.1	10904.9	13536.3	15624.4	18825.2	21936.2	25895.9	29909.4	33018.1
15°	6419.2	8599.4	11059.7	14421.7	18122.6	21318.0	24711.7	30171.4	34988.5	40147.0	44756.0
12.5°	8880.2	11769.6	15029.9	18896.3	23747.0	28761.6	33937.5	39700.2	46000.8	52197.0	58774.5
10°	11177.9	15149.1	19358.4	24115.8	29666.7	35999.5	42323.6	48853.0	57608.3	65543.5	72577.1
7.5°	12764.3	17441.4	22607.7	28422.6	35274.2	42009.6	49153.3	58031.3	68259.8	77257.7	84465.8
5°	14189.0	19488.8	24647.4	30525.8	38491.6	46190.2	54631.0	65436.8	77080.4	86947.7	94131.3
2.5°	15429.3	21132.5	26142.3	32064.3	40810.2	48820.2	58037.3	70915.4	84479.7	94363.4	101943.0
0°	16449.6	22015.7	26988.0	33087.8	42335.1	50584.9	60040.7	74362.0	89976.0	99960.5	107246.3
-2.5°	15461.8	20511.1	25419.2	31597.5	40916.3	49365.3	59585.4	74152.6	89475.9	100244.8	107767.7
-5°	14715.7	19326.7	23986.0	30099.5	38295.7	46130.1	55720.3	70701.7	86830.0	97711.2	105323.1
-7.5°	14137.4	18161.6	22397.7	28027.1	35525.0	43832.9	54115.5	68570.1	83810.3	94815.2	101712.4
-10°	13507.1	16964.1	21580.9	27254.8	34546.0	42466.2	51601.0	64972.3	80370.9	90959.3	99037.5
-12.5°	13315.1	16965.3	21615.6	26542.1	33248.8	40854.8	49563.9	60953.3	72756.2	83859.4	90943.5
-15°	13005.4	16709.7	21260.7	25894.3	31974.5	39299.9	46570.1	54987.0	64852.1	72874.9	80275.3
-17.5°	12398.2	15957.9	19378.1	23707.8	29625.5	36416.5	41925.3	48544.7	55662.2	61779.8	67361.9
-20°	10944.8	13365.6	16607.2	20690.1	25761.4	31260.4	36276.1	41051.8	45625.9	50286.5	53515.1



REPORT NUMBER: P1306174 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8374.8	10699.4	13417.3	16808.8	20829.1	25621.3	30053.8	33288.3	36926.7	40282.7	43041.9
-25°	6124.4	7827.7	10364.4	13258.3	15881.9	19720.3	23121.8	25306.3	28500.0	31008.7	33397.1
-27.5°	4428.9	6096.9	8165.6	10452.3	12419.4	14481.4	17484.2	19570.2	22082.0	24005.8	25997.9
-30°	3022.9	4859.8	6766.2	8636.7	10133.2	11691.0	13355.1	15412.7	17429.2	19045.4	20484.6
-32.5°	2096.7	3427.7	5290.8	7033.5	8386.0	9573.8	10667.3	12230.4	13739.3	15054.8	16133.6
-35°	1284.5	2228.5	3518.8	5178.4	6608.1	7749.6	8758.0	9753.6	10719.0	11708.8	12542.7
-37.5°	1086.7	1312.1	2116.2	3258.8	4620.8	5891.2	6879.0	7701.1	8429.8	9183.0	9776.0
-40°	960.4	1095.1	1297.0	1715.0	2762.6	3818.7	4883.7	5768.5	6569.9	7237.8	7757.1
-42.5°	877.1	967.2	1065.4	1229.4	1423.6	1941.3	2857.2	3750.1	4619.5	5348.4	5959.4
-45°	851.2	896.5	949.6	1037.3	1117.7	1275.2	1445.2	1621.3	2312.5	3045.8	3691.9
-47.5°	792.4	864.9	913.0	950.7	995.5	1066.8	1132.1	1215.3	1374.0	1531.5	1660.1
-50°	714.3	793.5	860.1	924.7	970.3	1001.4	1025.3	1068.3	1131.6	1193.1	1242.8
-52.5°	619.7	696.6	774.0	852.5	917.3	977.3	1033.6	1072.6	1102.1	1127.3	1140.2
-55°	533.7	598.0	662.7	741.7	820.0	895.2	967.4	1028.9	1086.3	1139.9	1170.3
-57.5°	449.8	505.1	562.9	633.4	703.0	771.3	841.3	912.3	981.7	1046.6	1084.2
-60°	369.7	418.8	471.1	528.0	588.5	651.5	711.8	772.0	831.7	884.5	915.6
-62.5°	291.3	332.7	375.2	420.2	467.7	517.5	567.5	618.1	668.6	711.0	737.2
-65°	211.6	245.3	277.8	310.7	344.1	381.7	421.4	460.0	497.2	526.4	545.4
-67.5°	148.0	169.8	189.6	209.0	232.7	259.5	287.9	315.7	342.4	362.5	376.0
-70°	100.5	112.6	123.5	136.2	151.6	167.6	184.4	200.5	215.7	227.4	236.4
-72.5°	64.1	72.2	79.9	88.7	97.0	106.2	115.8	125.0	133.6	139.6	144.3
-75°	34.7	39.0	45.3	51.3	56.8	63.5	70.3	76.8	82.8	85.9	88.0
-77.5°	21.2	24.1	26.9	29.5	31.9	35.5	39.5	43.6	47.6	49.4	50.8
-80°	13.9	15.2	16.6	18.1	19.5	21.6	23.9	26.1	28.2	29.0	29.4
-82.5°	9.8	10.3	10.8	11.3	11.9	13.2	14.7	16.1	17.6	18.6	19.6
-85°	7.7	7.8	7.9	7.9	8.0	8.8	9.6	10.4	11.3	11.9	12.3
-87.5°	6.4	6.4	6.5	6.5	6.5	6.6	6.6	6.7	6.7	7.1	7.5
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.9	2.5



REPORT NUMBER: P1306174 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	9.2	10.0	9.2	8.3	9.2	10.0	9.2	8.3	7.5	6.7	6.3
87.5°	2.1	1.7	0.9	0.0	0.9	1.7	2.1	2.5	2.9	3.3	3.3
85°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.3
82.5°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.3
80°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.7
77.5°	2.1	1.7	2.5	3.3	2.5	1.7	2.1	2.5	2.9	3.4	3.8
75°	3.7	3.3	3.3	3.3	3.3	3.3	3.7	4.1	4.4	4.7	4.7
72.5°	4.9	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.9	5.1	5.4
70°	6.6	6.6	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.5	7.0
67.5°	9.2	9.8	10.0	10.0	10.0	9.8	9.2	8.7	8.1	8.2	8.9
65°	13.0	14.5	14.2	13.3	14.2	14.5	13.0	11.5	10.1	9.9	10.6
62.5°	13.8	14.8	15.0	15.0	15.0	14.8	13.8	12.7	11.6	11.3	11.6
60°	12.8	13.3	13.3	13.3	13.3	13.3	12.8	12.4	11.8	11.7	11.7
57.5°	12.7	13.2	13.3	13.3	13.3	13.2	12.7	12.2	11.7	11.9	12.0
55°	12.6	13.1	13.3	13.3	13.3	13.1	12.6	12.2	11.7	12.0	12.4
52.5°	14.6	14.9	15.0	15.0	15.0	14.9	14.6	14.2	13.6	13.0	12.3
50°	18.5	19.4	18.8	16.7	18.8	19.4	18.5	17.6	16.9	16.4	15.6
47.5°	24.7	23.9	23.3	23.4	23.3	23.9	24.7	24.8	24.1	22.8	20.3
45°	40.3	39.9	39.6	40.0	39.6	39.9	40.3	39.8	38.1	36.0	33.8
42.5°	72.7	72.9	71.8	70.1	71.8	72.9	72.7	70.3	68.1	58.8	48.2
40°	169.8	155.6	136.4	125.1	136.4	155.6	169.8	170.3	160.5	130.4	118.3
37.5°	382.4	393.5	394.5	387.0	394.5	393.5	382.4	364.9	345.8	317.9	290.6
35°	726.6	752.5	754.0	740.6	754.0	752.5	726.6	684.1	616.8	528.9	507.7
32.5°	1229.4	1287.9	1309.9	1304.4	1309.9	1287.9	1229.4	1231.2	1123.7	991.5	911.2
30°	2524.6	2542.2	2362.5	2033.3	2362.5	2542.2	2524.6	2729.0	2289.6	2105.8	1830.0
27.5°	7336.8	8014.0	8259.6	8151.4	8259.6	8014.0	7336.8	6768.0	5719.6	4950.9	3754.0
25°	13061.2	13507.4	13952.7	14004.4	13952.7	13507.4	13061.2	12692.2	11407.1	9371.6	7585.2
22.5°	19408.0	20042.0	20643.8	20506.2	20643.8	20042.0	19408.0	18343.6	16806.8	14535.3	12134.4
20°	26824.9	27262.2	27706.3	27214.8	27706.3	27262.2	26824.9	25237.2	22737.3	19971.4	16721.2
17.5°	36274.4	38333.3	40161.1	39334.4	40161.1	38333.3	36274.4	33018.1	29909.4	25895.9	21936.2
15°	49095.6	52679.2	54781.0	54669.8	54781.0	52679.2	49095.6	44756.0	40147.0	34988.5	30171.4
12.5°	63870.2	67615.1	69760.1	69316.4	69760.1	67615.1	63870.2	58774.5	52197.0	46000.8	39700.2
10°	77200.1	80140.8	82689.4	83687.7	82689.4	80140.8	77200.1	72577.1	65543.5	57608.3	48853.0
7.5°	88973.8	91164.9	93290.6	93670.6	93290.6	91164.9	88973.8	84465.8	77257.7	68259.8	58031.3
5°	98665.9	101770.1	102971.8	103448.3	102971.8	101770.1	98665.9	94131.3	86947.7	77080.4	65436.8
2.5°	106488.1	109327.7	110830.8	110387.1	110830.8	109327.7	106488.1	101943.0	94363.4	84479.7	70915.4
0°	110981.7	113229.3	114456.9	114163.4	114456.9	113229.3	110981.7	107246.3	99960.5	89976.0	74362.0
-2.5°	111424.6	112936.0	113896.2	113519.5	113896.2	112936.0	111424.6	107767.7	100244.8	89475.9	74152.6
-5°	108360.2	109590.2	110094.7	110310.3	110094.7	109590.2	108360.2	105323.1	97711.2	86830.0	70701.7
-7.5°	104138.0	105790.2	105538.9	105973.6	105538.9	105790.2	104138.0	101712.4	94815.2	83810.3	68570.1
-10°	101623.3	103148.1	102927.3	103044.6	102927.3	103148.1	101623.3	99037.5	90959.3	80370.9	64972.3
-12.5°	95521.7	97735.5	98075.4	98456.8	98075.4	97735.5	95521.7	90943.5	83859.4	72756.2	60953.3
-15°	85132.7	87565.3	89036.1	89367.2	89036.1	87565.3	85132.7	80275.3	72874.9	64852.1	54987.0
-17.5°	72002.7	75366.9	77732.0	78281.7	77732.0	75366.9	72002.7	67361.9	61779.8	55662.2	48544.7
-20°	57458.0	59866.1	61091.6	61752.0	61091.6	59866.1	57458.0	53515.1	50286.5	45625.9	41051.8



REPORT NUMBER: P1306174 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	45224.6	46815.0	47497.8	47609.2	47497.8	46815.0	45224.6	43041.9	40282.7	36926.7	33288.3
-25°	35331.2	36415.2	36879.9	37566.3	36879.9	36415.2	35331.2	33397.1	31008.7	28500.0	25306.3
-27.5°	27418.3	28371.4	28796.4	29428.2	28796.4	28371.4	27418.3	25997.9	24005.8	22082.0	19570.2
-30°	21455.3	22029.5	22172.8	22204.2	22172.8	22029.5	21455.3	20484.6	19045.4	17429.2	15412.7
-32.5°	16971.2	17617.9	18004.0	18176.0	18004.0	17617.9	16971.2	16133.6	15054.8	13739.3	12230.4
-35°	13167.2	13593.4	13847.1	14132.8	13847.1	13593.4	13167.2	12542.7	11708.8	10719.0	9753.6
-37.5°	10237.1	10553.1	10728.0	10786.8	10728.0	10553.1	10237.1	9776.0	9183.0	8429.8	7701.1
-40°	8171.2	8485.0	8673.4	8701.9	8673.4	8485.0	8171.2	7757.1	7237.8	6569.9	5768.5
-42.5°	6423.7	6814.7	7067.6	7125.6	7067.6	6814.7	6423.7	5959.4	5348.4	4619.5	3750.1
-45°	4164.5	4528.4	4721.0	4708.7	4721.0	4528.4	4164.5	3691.9	3045.8	2312.5	1621.3
-47.5°	1742.4	1801.0	1826.2	1818.1	1826.2	1801.0	1742.4	1660.1	1531.5	1374.0	1215.3
-50°	1282.0	1315.3	1333.5	1337.7	1333.5	1315.3	1282.0	1242.8	1193.1	1131.6	1068.3
-52.5°	1151.2	1163.4	1167.7	1167.6	1167.7	1163.4	1151.2	1140.2	1127.3	1102.1	1072.6
-55°	1198.5	1225.3	1235.9	1236.0	1235.9	1225.3	1198.5	1170.3	1139.9	1086.3	1028.9
-57.5°	1118.3	1148.5	1162.4	1165.9	1162.4	1148.5	1118.3	1084.2	1046.6	981.7	912.3
-60°	943.5	967.8	978.3	980.8	978.3	967.8	943.5	915.6	884.5	831.7	772.0
-62.5°	759.7	778.1	783.7	782.3	783.7	778.1	759.7	737.2	711.0	668.6	618.1
-65°	561.4	574.0	575.0	570.4	575.0	574.0	561.4	545.4	526.4	497.2	460.0
-67.5°	386.7	394.8	395.2	392.0	395.2	394.8	386.7	376.0	362.5	342.4	315.7
-70°	244.0	250.1	250.4	248.5	250.4	250.1	244.0	236.4	227.4	215.7	200.5
-72.5°	148.3	151.7	154.6	156.8	154.6	151.7	148.3	144.3	139.6	133.6	125.0
-75°	89.7	90.8	90.7	90.1	90.7	90.8	89.7	88.0	85.9	82.8	76.8
-77.5°	51.9	52.9	54.9	56.7	54.9	52.9	51.9	50.8	49.4	47.6	43.6
-80°	29.7	29.9	30.8	31.7	30.8	29.9	29.7	29.4	29.0	28.2	26.1
-82.5°	20.6	21.6	21.7	21.7	21.7	21.6	20.6	19.6	18.6	17.6	16.1
-85°	12.8	13.3	14.1	15.0	14.1	13.3	12.8	12.3	11.9	11.3	10.4
-87.5°	7.9	8.3	8.3	8.3	8.3	8.3	7.9	7.5	7.1	6.7	6.7
-90°	2.1	1.7	0.8	0.0	0.8	1.7	2.1	2.5	2.9	3.3	3.3



REPORT NUMBER: P1306174 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	5.9	5.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.7	4.2	4.6	5.0
85°	3.3	3.3	3.3	3.6	3.9	4.2	4.4	4.5	4.6	4.8	5.0
82.5°	3.3	3.3	3.3	3.8	4.2	4.6	5.0	5.0	5.0	5.0	5.0
80°	4.0	4.2	4.4	4.4	4.6	4.8	5.0	5.1	5.1	5.0	5.1
77.5°	4.2	4.7	5.0	5.0	5.0	5.0	5.1	5.5	5.8	5.9	5.9
75°	4.7	4.9	5.1	5.2	5.2	5.1	5.2	5.6	6.0	6.4	6.7
72.5°	5.6	5.7	5.8	6.0	6.2	6.3	6.6	6.9	7.0	6.9	6.7
70°	7.4	7.6	8.0	8.3	8.6	8.8	8.9	9.1	9.2	9.3	8.5
67.5°	9.6	10.2	11.4	12.6	13.2	13.4	13.1	12.2	11.8	11.8	10.5
65°	11.2	11.9	12.8	14.0	15.3	16.8	19.3	19.5	18.5	16.2	12.7
62.5°	12.2	13.1	13.7	14.3	15.3	17.9	22.9	25.7	26.5	23.5	17.9
60°	11.7	11.8	12.6	13.4	14.3	19.2	26.6	31.9	35.0	29.7	22.3
57.5°	11.9	11.9	12.3	12.8	13.2	19.7	28.5	37.7	43.5	34.2	25.7
55°	13.1	13.0	12.9	13.0	13.6	19.8	27.8	37.1	42.6	37.1	27.4
52.5°	11.8	12.8	13.4	13.4	14.6	19.1	25.4	34.0	36.7	32.4	26.6
50°	14.7	14.7	14.6	14.6	15.7	18.0	22.6	29.5	29.6	27.7	23.1
47.5°	19.4	19.0	18.1	17.6	17.9	18.0	20.7	24.0	25.8	23.6	20.2
45°	31.9	28.6	23.8	23.9	23.1	22.2	20.9	24.5	25.6	24.1	18.7
42.5°	53.3	49.2	41.3	38.7	34.4	31.5	28.3	30.0	30.6	28.1	25.4
40°	117.0	89.2	83.3	69.6	58.2	47.9	43.3	39.0	39.0	36.7	35.6
37.5°	256.8	221.5	192.9	145.0	114.8	79.2	65.8	55.5	49.0	52.8	50.7
35°	457.6	415.6	383.1	318.7	224.5	170.8	102.6	79.9	73.8	77.5	71.1
32.5°	702.9	711.9	647.3	562.8	487.5	341.6	219.2	120.1	131.9	125.1	102.7
30°	1560.9	1430.5	1074.3	1089.4	1089.4	697.6	405.1	316.6	235.8	194.8	148.0
27.5°	3626.7	3203.1	2459.2	2190.3	2177.8	1557.2	936.4	646.0	413.6	305.5	225.5
25°	6729.7	6012.2	4800.3	4001.7	3603.4	2747.3	1725.6	1221.5	787.2	442.2	307.8
22.5°	10246.6	8941.8	7382.8	5852.4	4945.2	3658.8	2569.9	1926.9	1206.3	633.0	407.5
20°	14127.2	12100.5	10146.0	8207.2	6301.7	4484.8	3205.5	2628.3	1762.6	894.1	503.0
17.5°	18825.2	15624.4	13536.3	10904.9	8313.1	5854.1	4501.5	3538.8	2459.7	1113.2	590.1
15°	24711.7	21318.0	18122.6	14421.7	11059.7	8599.4	6419.2	4744.3	3285.1	1531.9	786.1
12.5°	33937.5	28761.6	23747.0	18896.3	15029.9	11769.6	8880.2	6427.3	4249.3	2278.8	1105.6
10°	42323.6	35999.5	29666.7	24115.8	19358.4	15149.1	11177.9	7759.8	5088.4	3033.7	1455.1
7.5°	49153.3	42009.6	35274.2	28422.6	22607.7	17441.4	12764.3	8873.4	5798.5	3714.9	1818.8
5°	54631.0	46190.2	38491.6	30525.8	24647.4	19488.8	14189.0	9876.4	6383.5	4312.2	2179.0
2.5°	58037.3	48820.2	40810.2	32064.3	26142.3	21132.5	15429.3	10741.9	6878.4	4780.9	2493.1
0°	60040.7	50584.9	42335.1	33087.8	26988.0	22015.7	16449.6	11424.0	7279.1	5137.4	2767.2
-2.5°	59585.4	49365.3	40916.3	31597.5	25419.2	20511.1	15461.8	11168.1	7657.7	5215.0	2666.0
-5°	55720.3	46130.1	38295.7	30099.5	23986.0	19326.7	14715.7	10961.9	7860.4	5172.1	2511.3
-7.5°	54115.5	43832.9	35525.0	28027.1	22397.7	18161.6	14137.4	10832.5	7860.4	5100.9	2545.4
-10°	51601.0	42466.2	34546.0	27254.8	21580.9	16964.1	13507.1	10569.5	7697.6	4883.5	2485.2
-12.5°	49563.9	40854.8	33248.8	26542.1	21615.6	16965.3	13315.1	10241.2	7365.8	4517.0	2315.1
-15°	46570.1	39299.9	31974.5	25894.3	21260.7	16709.7	13005.4	9845.2	6651.1	3916.5	2023.5
-17.5°	41925.3	36416.5	29625.5	23707.8	19378.1	15957.9	12398.2	8936.7	5652.6	3139.1	1562.2
-20°	36276.1	31260.4	25761.4	20690.1	16607.2	13365.6	10944.8	7508.1	4533.3	2476.7	1385.9



REPORT NUMBER: P1306174 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	30053.8	25621.3	20829.1	16808.8	13417.3	10699.4	8374.8	5661.2	3275.2	1751.1	1199.7
-25°	23121.8	19720.3	15881.9	13258.3	10364.4	7827.7	6124.4	4133.1	2404.3	1292.7	1016.7
-27.5°	17484.2	14481.4	12419.4	10452.3	8165.6	6096.9	4428.9	2792.1	1551.0	1105.2	899.0
-30°	13355.1	11691.0	10133.2	8636.7	6766.2	4859.8	3022.9	1875.6	1188.2	947.2	815.5
-32.5°	10667.3	9573.8	8386.0	7033.5	5290.8	3427.7	2096.7	1218.0	990.0	864.2	781.3
-35°	8758.0	7749.6	6608.1	5178.4	3518.8	2228.5	1284.5	1039.4	886.8	800.1	759.9
-37.5°	6879.0	5891.2	4620.8	3258.8	2116.2	1312.1	1086.7	928.0	818.6	777.1	718.2
-40°	4883.7	3818.7	2762.6	1715.0	1297.0	1095.1	960.4	850.5	801.9	739.8	665.2
-42.5°	2857.2	1941.3	1423.6	1229.4	1065.4	967.2	877.1	829.3	768.0	687.3	594.6
-45°	1445.2	1275.2	1117.7	1037.3	949.6	896.5	851.2	784.8	708.5	617.0	517.5
-47.5°	1132.1	1066.8	995.5	950.7	913.0	864.9	792.4	717.5	630.4	540.1	457.4
-50°	1025.3	1001.4	970.3	924.7	860.1	793.5	714.3	630.8	551.1	474.1	397.9
-52.5°	1033.6	977.3	917.3	852.5	774.0	696.6	619.7	550.1	479.5	409.1	341.6
-55°	967.4	895.2	820.0	741.7	662.7	598.0	533.7	471.0	407.6	343.5	290.5
-57.5°	841.3	771.3	703.0	633.4	562.9	505.1	449.8	392.2	339.4	289.8	241.2
-60°	711.8	651.5	588.5	528.0	471.1	418.8	369.7	322.7	278.2	234.7	191.4
-62.5°	567.5	517.5	467.7	420.2	375.2	332.7	291.3	252.1	214.8	178.5	146.1
-65°	421.4	381.7	344.1	310.7	277.8	245.3	211.6	183.0	157.2	131.3	105.0
-67.5°	287.9	259.5	232.7	209.0	189.6	169.8	148.0	125.8	108.9	94.4	78.6
-70°	184.4	167.6	151.6	136.2	123.5	112.6	100.5	88.0	75.7	64.7	53.4
-72.5°	115.8	106.2	97.0	88.7	79.9	72.2	64.1	55.6	47.0	38.4	31.1
-75°	70.3	63.5	56.8	51.3	45.3	39.0	34.7	31.2	27.6	23.9	20.1
-77.5°	39.5	35.5	31.9	29.5	26.9	24.1	21.2	18.6	17.0	15.5	14.2
-80°	23.9	21.6	19.5	18.1	16.6	15.2	13.9	12.9	12.1	11.5	11.1
-82.5°	14.7	13.2	11.9	11.3	10.8	10.3	9.8	9.6	9.3	9.0	8.7
-85°	9.6	8.8	8.0	7.9	7.9	7.8	7.7	7.6	7.6	7.5	7.4
-87.5°	6.6	6.6	6.5	6.5	6.5	6.4	6.4	6.3	6.3	6.3	6.2
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.7	4.2	4.6	5.0



REPORT NUMBER: P1306174 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	5.4	5.9	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	5.3	5.5	5.8	6.0	6.1	6.3	6.5	6.7	6.7	6.7	6.7
85°	5.4	5.9	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
82.5°	5.5	5.9	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
80°	5.5	5.9	6.3	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	6.0	6.1	6.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
75°	6.7	6.6	6.6	6.8	6.8	6.7	6.7	6.8	6.8	6.7	6.7
72.5°	6.7	6.7	6.7	6.9	7.1	7.2	7.0	6.9	7.1	7.0	6.8
70°	7.6	6.9	6.7	7.0	7.4	7.7	7.6	7.4	7.3	7.4	7.2
67.5°	9.2	8.1	7.3	7.1	7.4	7.8	8.2	7.9	7.7	7.7	7.6
65°	11.2	9.7	8.2	7.8	7.7	7.9	8.3	8.3	8.1	7.9	8.0
62.5°	13.9	11.6	10.0	8.7	8.1	8.1	8.3	8.3	8.3	8.1	8.2
60°	16.8	13.2	11.6	10.1	8.9	8.2	8.3	8.3	8.3	8.3	8.3
57.5°	18.7	13.8	12.4	11.2	9.9	8.7	8.3	8.3	8.3	8.3	8.3
55°	19.5	14.3	13.1	12.0	10.7	9.5	8.5	8.3	8.3	8.3	8.3
52.5°	19.0	15.2	13.9	12.6	11.4	10.2	9.2	8.3	8.3	8.3	8.3
50°	16.9	16.2	14.8	13.3	12.0	10.8	9.8	8.8	8.3	8.3	8.3
47.5°	17.1	17.2	15.9	14.1	12.5	11.5	10.5	9.4	8.3	8.3	8.3
45°	19.4	18.5	17.3	15.3	13.2	12.2	11.1	9.9	8.8	8.4	8.3
42.5°	23.4	21.9	19.2	16.7	14.7	12.7	11.6	10.4	9.2	8.5	8.4
40°	32.5	27.5	22.5	20.7	16.7	13.3	12.2	10.9	9.7	8.7	8.5
37.5°	43.7	36.6	29.0	28.9	20.6	15.5	12.7	11.4	10.3	9.2	8.7
35°	60.3	48.5	42.8	41.2	31.3	17.8	13.1	11.9	10.9	9.7	8.9
32.5°	79.4	71.0	65.8	55.4	45.0	20.4	14.7	12.7	11.5	10.2	9.1
30°	116.6	111.6	95.5	71.1	60.7	33.0	17.3	13.6	12.2	10.6	9.4
27.5°	174.2	161.5	132.6	97.5	75.4	48.4	20.6	14.7	12.9	11.1	9.8
25°	235.5	214.9	181.2	131.0	91.0	64.7	24.1	16.0	13.8	11.7	10.1
22.5°	308.9	265.3	236.1	168.4	110.7	81.2	32.6	18.8	14.7	12.2	10.4
20°	376.6	313.5	294.9	205.4	138.7	96.9	45.8	21.7	15.7	12.8	10.8
17.5°	442.2	377.5	340.1	249.0	169.5	114.5	58.8	24.6	16.7	13.4	11.1
15°	565.9	466.7	393.0	293.2	198.5	133.7	71.4	27.5	17.8	14.0	11.3
12.5°	707.7	561.4	454.2	337.2	225.6	153.8	83.4	30.3	18.8	14.5	11.4
10°	854.5	659.4	521.2	380.1	250.7	174.3	94.6	34.1	20.3	15.0	11.5
7.5°	1002.8	758.6	591.4	421.2	278.9	205.5	120.5	40.3	22.0	15.5	11.6
5°	1138.6	851.9	665.2	485.6	332.7	247.7	149.2	46.5	23.6	15.9	11.7
2.5°	1222.7	933.1	736.0	549.6	385.1	288.4	177.3	52.7	25.2	16.4	11.7
0°	1294.4	1007.5	800.6	608.8	435.3	326.9	203.5	58.4	26.7	16.7	11.7
-2.5°	1295.5	1009.7	822.4	665.2	491.0	368.1	235.5	75.5	36.6	21.2	13.3
-5°	1285.1	1006.6	841.7	716.4	542.7	405.7	263.2	91.5	46.0	25.5	14.8
-7.5°	1310.1	1016.9	859.5	757.2	589.3	439.2	285.5	106.1	54.7	29.4	16.2
-10°	1327.2	1030.1	871.1	755.0	589.7	448.7	298.4	118.7	62.3	32.8	17.4
-12.5°	1321.7	1032.8	878.4	745.1	577.4	436.9	286.9	127.5	68.7	35.6	18.5
-15°	1290.9	1023.8	881.0	726.9	560.1	422.7	273.2	133.6	74.2	38.3	19.5
-17.5°	1215.8	1002.2	878.8	699.8	537.5	406.5	258.0	137.6	78.2	41.0	20.8
-20°	1101.7	952.5	866.7	663.2	509.5	388.5	241.8	139.4	80.7	42.7	22.3



REPORT NUMBER: P1306174 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	995.1	892.6	796.7	627.1	480.2	369.0	225.2	139.0	81.4	43.3	23.3
-25°	887.9	836.7	724.8	579.5	454.7	344.4	215.7	136.2	80.3	42.9	23.9
-27.5°	815.6	778.1	659.3	530.5	423.3	321.0	211.4	134.6	78.3	41.2	24.0
-30°	762.7	707.8	601.8	483.6	388.8	289.3	204.1	130.6	76.3	40.3	23.4
-32.5°	730.7	648.0	545.3	443.2	351.5	257.0	187.9	124.1	72.6	39.7	23.1
-35°	685.8	592.5	489.4	399.6	313.7	233.2	168.0	114.8	67.2	38.3	22.4
-37.5°	637.3	534.7	439.2	355.5	275.7	207.3	149.8	101.3	60.0	36.1	21.4
-40°	571.2	476.8	389.5	314.1	243.3	179.6	130.5	88.7	55.2	33.0	19.9
-42.5°	502.4	421.3	344.8	273.4	211.0	157.2	110.9	75.5	49.5	30.2	17.9
-45°	441.2	367.7	301.0	238.0	178.3	134.0	95.7	62.6	43.2	27.5	16.2
-47.5°	381.1	319.1	259.7	201.9	152.3	111.6	79.8	55.1	36.5	24.1	15.2
-50°	328.1	273.0	220.5	171.1	126.3	93.8	65.3	47.0	31.7	19.9	14.0
-52.5°	282.0	231.2	184.3	140.6	105.5	75.4	55.8	38.7	26.5	17.4	12.8
-55°	238.7	190.9	148.9	114.7	85.1	62.8	45.8	32.3	20.9	15.6	11.5
-57.5°	195.1	150.8	119.3	91.0	69.0	51.4	37.0	25.5	17.9	13.7	11.2
-60°	151.6	120.0	92.2	72.7	55.6	40.7	28.7	19.7	15.5	12.0	10.8
-62.5°	116.1	90.7	73.2	57.1	42.9	30.7	21.0	16.9	13.1	11.6	10.4
-65°	87.2	70.6	55.4	42.4	30.7	21.9	17.6	13.9	12.1	11.1	10.0
-67.5°	63.5	50.7	38.7	27.7	21.8	17.7	14.0	12.6	11.6	10.6	9.6
-70°	42.2	31.5	24.9	20.6	16.7	13.8	12.8	12.0	11.1	10.1	9.2
-72.5°	26.2	21.8	17.9	14.7	13.6	12.7	12.1	11.4	10.5	9.6	8.7
-75°	16.5	15.0	13.9	13.0	12.2	11.7	11.3	10.7	9.9	9.1	8.6
-77.5°	13.3	12.5	11.8	11.4	11.1	10.8	10.5	10.1	9.4	8.8	8.5
-80°	10.8	10.6	10.5	10.5	10.2	10.0	9.7	9.4	8.9	8.6	8.4
-82.5°	8.8	9.1	9.3	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1
-85°	7.7	8.0	8.3	8.5	8.4	8.3	8.2	8.1	7.9	7.8	7.7
-87.5°	6.6	6.9	7.3	7.6	7.6	7.5	7.4	7.4	7.3	7.2	7.2
-90°	5.0	5.0	5.0	5.0	5.4	5.9	6.3	6.7	6.7	6.7	6.7



REPORT NUMBER: P1306174 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
82.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
80°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
70°	6.8	6.7	6.7	6.7	6.7	6.7	6.7
67.5°	7.1	6.7	6.7	6.7	6.7	6.7	6.7
65°	7.5	6.9	6.7	6.7	6.7	6.7	6.7
62.5°	7.9	7.2	6.7	6.7	6.7	6.7	6.7
60°	8.3	7.5	6.7	6.7	6.7	6.7	6.7
57.5°	8.3	7.8	6.9	6.7	6.7	6.7	6.7
55°	8.3	8.1	7.2	6.7	6.7	6.7	6.7
52.5°	8.3	8.3	7.4	6.7	6.7	6.7	6.7
50°	8.3	8.3	7.6	6.7	6.7	6.7	6.7
47.5°	8.3	8.3	7.8	6.7	6.7	6.7	6.7
45°	8.3	8.3	8.0	6.9	6.7	6.7	6.7
42.5°	8.3	8.3	8.2	7.0	6.7	6.7	6.7
40°	8.3	8.3	8.3	7.2	6.7	6.7	6.7
37.5°	8.3	8.3	8.3	7.3	6.7	6.7	6.7
35°	8.3	8.3	8.3	7.3	6.7	6.7	6.7
32.5°	8.4	8.3	8.3	7.4	6.7	6.7	6.7
30°	8.5	8.3	8.3	7.4	6.7	6.7	6.7
27.5°	8.7	8.3	8.2	7.4	6.7	6.7	6.7
25°	8.9	8.3	8.2	7.4	6.7	6.7	6.7
22.5°	9.1	8.3	8.2	7.4	6.7	6.7	6.7
20°	9.3	8.3	8.2	7.4	6.7	6.7	6.7
17.5°	9.5	8.3	8.2	7.3	6.7	6.7	6.7
15°	9.6	8.3	8.2	7.3	6.7	6.7	6.7
12.5°	9.8	8.3	8.2	7.2	6.7	6.7	6.7
10°	9.8	8.3	8.2	7.1	6.7	6.7	6.7
7.5°	9.9	8.3	8.3	7.0	6.7	6.7	6.7
5°	10.0	8.3	8.3	6.9	6.7	6.7	6.7
2.5°	10.0	8.3	8.3	6.8	6.7	6.7	6.7
0°	10.0	8.3	8.3	6.7	6.7	6.7	6.7
-2.5°	10.7	8.7	8.3	6.8	6.7	6.7	6.7
-5°	11.3	9.0	8.3	6.9	6.7	6.7	6.7
-7.5°	11.9	9.4	8.3	7.0	6.7	6.7	6.7
-10°	12.4	9.7	8.2	7.1	6.7	6.7	6.7
-12.5°	12.9	9.9	8.2	7.2	6.7	6.7	6.7
-15°	13.3	10.1	8.2	7.3	6.7	6.7	6.7
-17.5°	13.7	10.3	8.2	7.3	6.7	6.7	6.7
-20°	14.1	10.3	8.2	7.4	6.7	6.7	6.7



REPORT NUMBER: P1306174 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-530N-40-80-5S-CV2-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	14.6	10.3	8.2	7.4	6.7	6.7	6.7
-25°	14.9	10.3	8.2	7.4	6.7	6.7	6.7
-27.5°	14.9	10.2	8.2	7.4	6.7	6.7	6.7
-30°	14.7	10.0	8.3	7.4	6.7	6.7	6.7
-32.5°	14.1	9.7	8.4	7.4	6.7	6.7	6.7
-35°	13.7	9.4	8.5	7.3	6.7	6.7	6.7
-37.5°	13.3	9.2	8.5	7.3	6.7	6.7	6.7
-40°	12.8	9.3	8.6	7.2	6.7	6.7	6.7
-42.5°	12.1	9.3	8.5	7.0	6.7	6.7	6.7
-45°	11.4	9.3	8.4	6.9	6.7	6.7	6.7
-47.5°	10.6	9.3	8.2	6.8	6.7	6.7	6.7
-50°	10.4	9.2	8.0	6.8	6.7	6.7	6.7
-52.5°	10.2	9.2	7.9	6.9	6.7	6.7	6.7
-55°	10.1	9.0	7.7	6.9	6.7	6.7	6.7
-57.5°	9.9	8.7	7.5	6.9	6.7	6.7	6.7
-60°	9.6	8.4	7.3	6.9	6.7	6.7	6.7
-62.5°	9.3	8.2	7.3	7.0	6.7	6.7	6.7
-65°	8.9	7.9	7.4	7.0	6.7	6.7	6.7
-67.5°	8.6	7.8	7.4	7.0	6.7	6.7	6.7
-70°	8.2	7.8	7.4	7.0	6.7	6.7	6.7
-72.5°	8.2	7.8	7.4	7.0	6.7	6.7	6.7
-75°	8.2	7.8	7.4	7.0	6.7	6.7	6.7
-77.5°	8.2	7.9	7.4	6.9	6.7	6.7	6.7
-80°	8.3	7.7	7.2	6.9	6.7	6.7	6.7
-82.5°	7.9	7.5	7.1	6.9	6.7	6.7	6.7
-85°	7.5	7.2	7.0	6.8	6.7	6.7	6.7
-87.5°	7.1	7.0	6.8	6.8	6.7	6.7	6.7
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7

(END OF REPORT)