

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: P1306347 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-50-70-7F-CV5-A**

Issue Date: 2/3/2026

Test Information

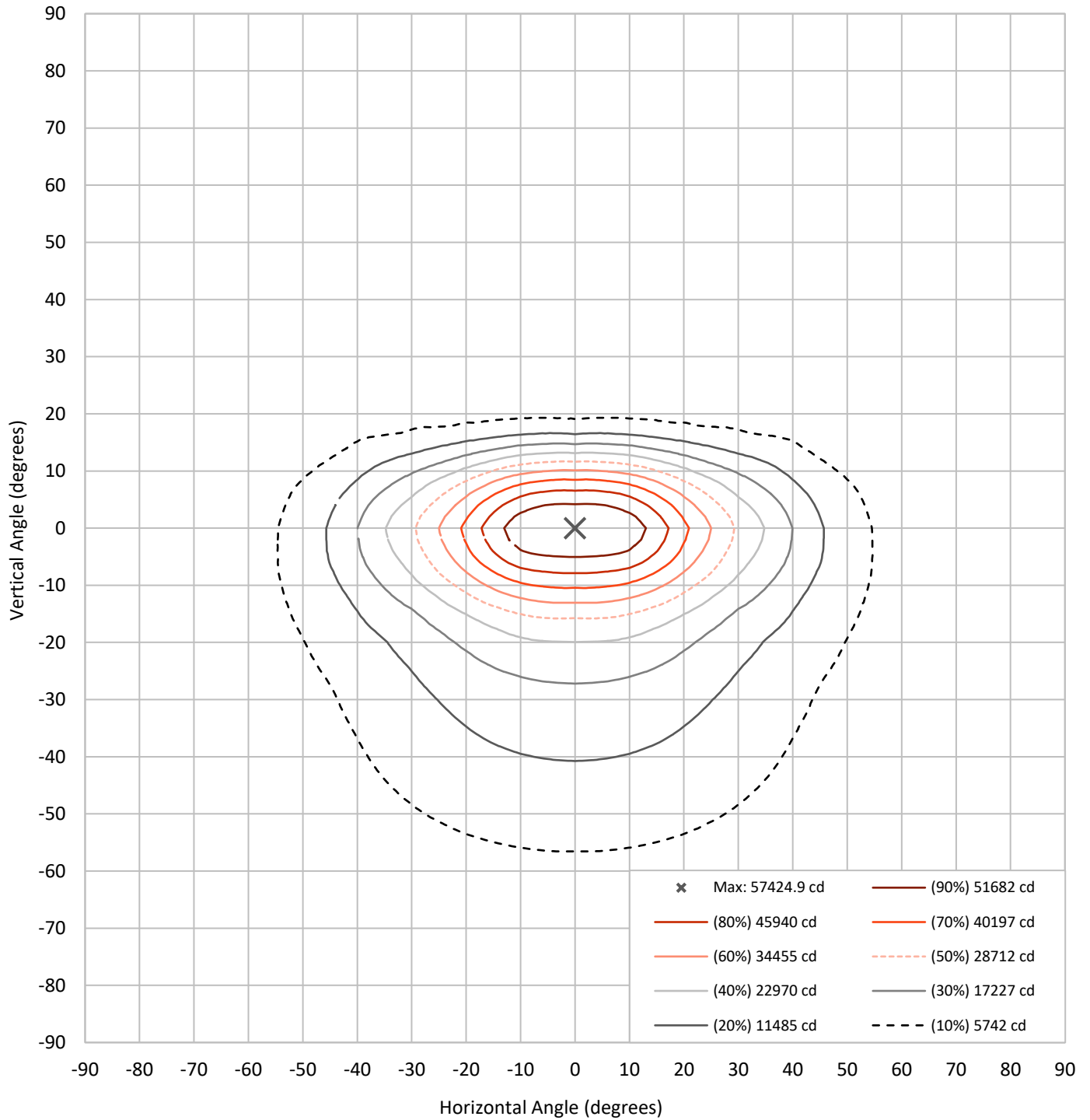
Test Method: LM-79-08
Report Number: P1306347 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-42)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-08-680N-50-70-7F-CV5-A
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5000K, 70 CRI LEDS AND 7F BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	38639.2 lumens	Max Intensity:	57424.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	56.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 27.3°V	Field Angle (10%):	109.1°H x 75.6°V
Beam Lumens:	15253.2 lumens	Field Lumens:	34003.3 lumens
Beam Efficiency:	39.5%	Field Efficiency:	88.0%
Input Watts (W):	688		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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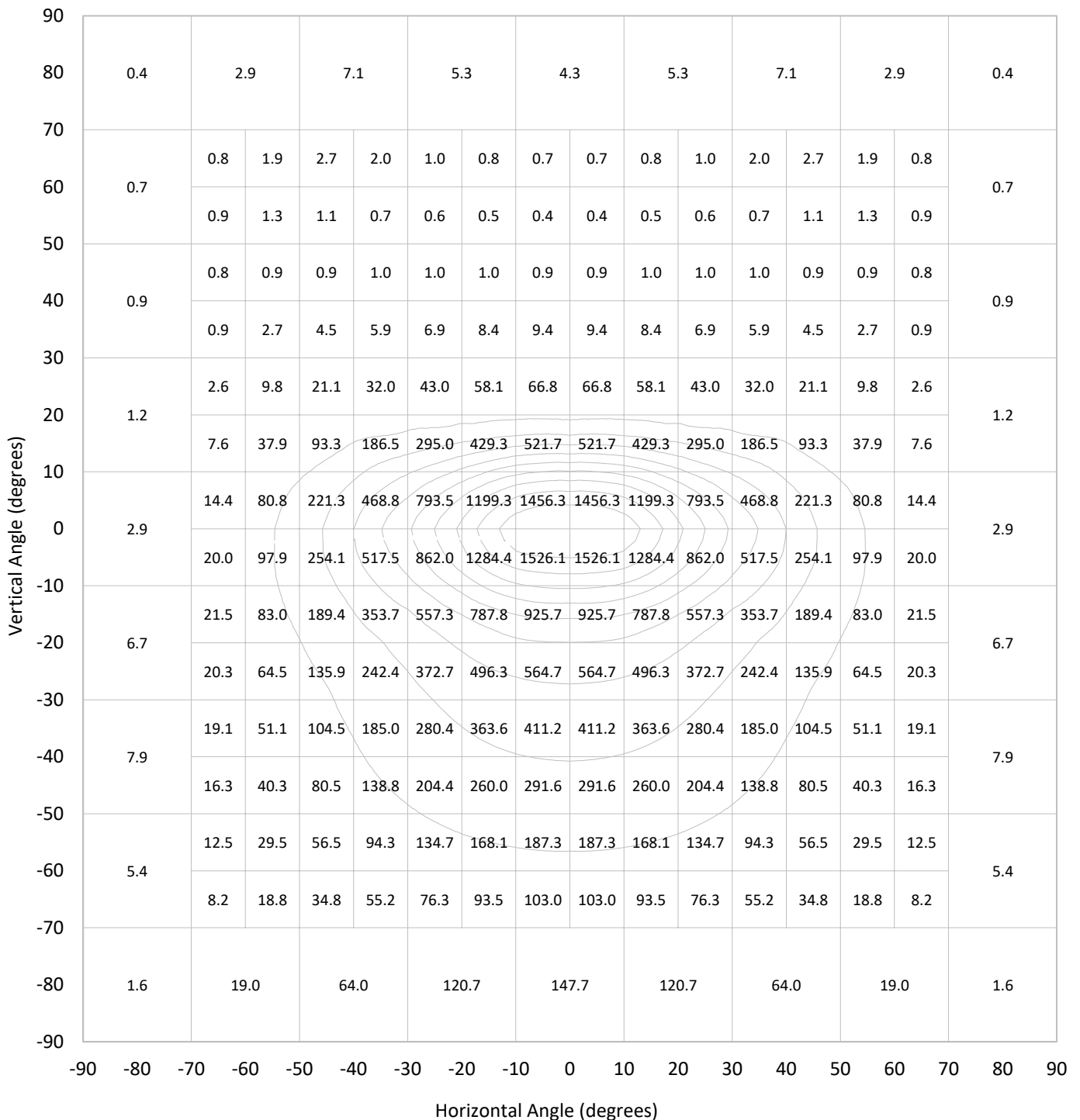
Iso-Candela Plot





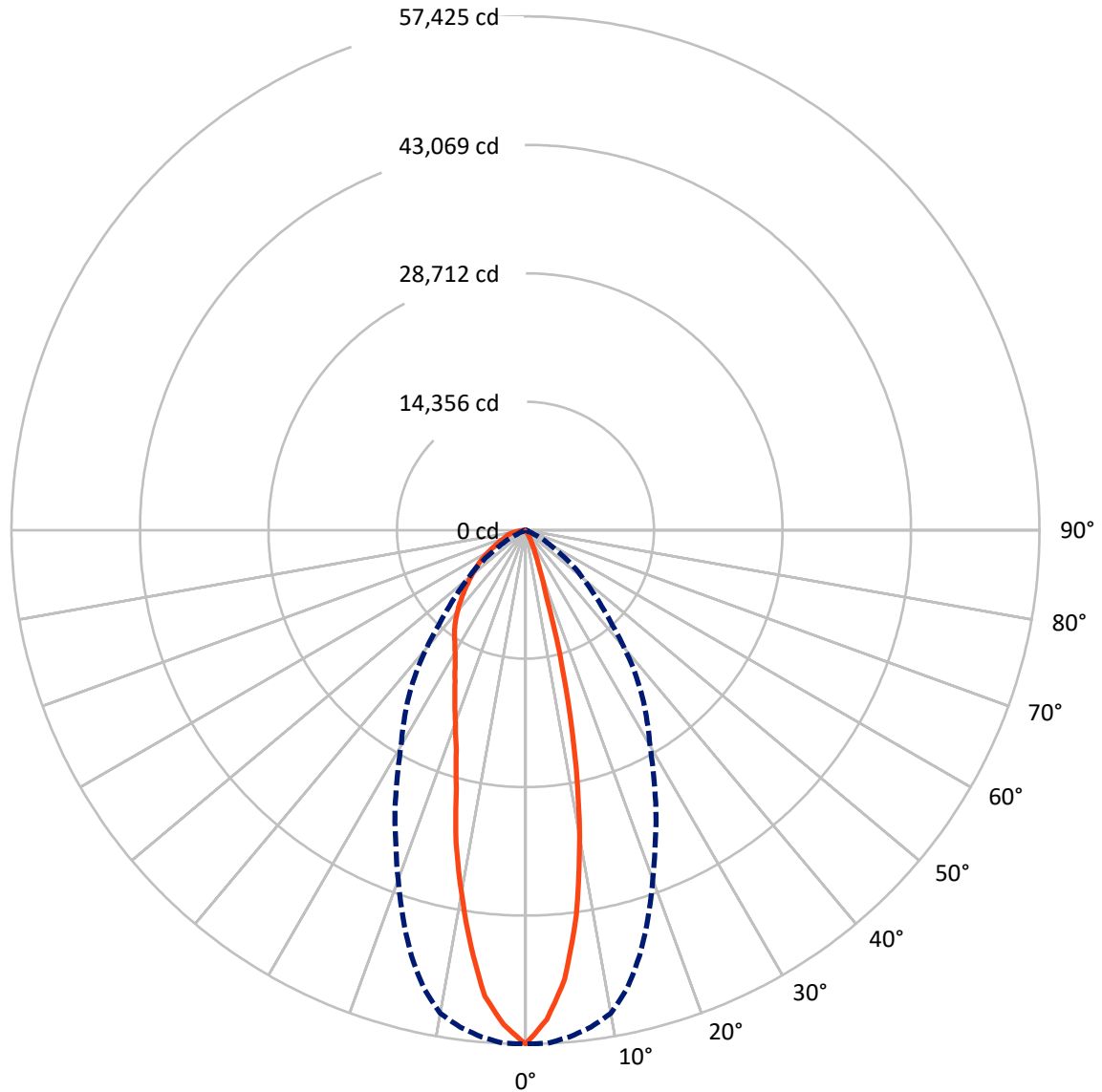
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Lumen Table



REPORT NUMBER: P1306347 (CONVERTED FROM TYPE C PHOTOMETRY)
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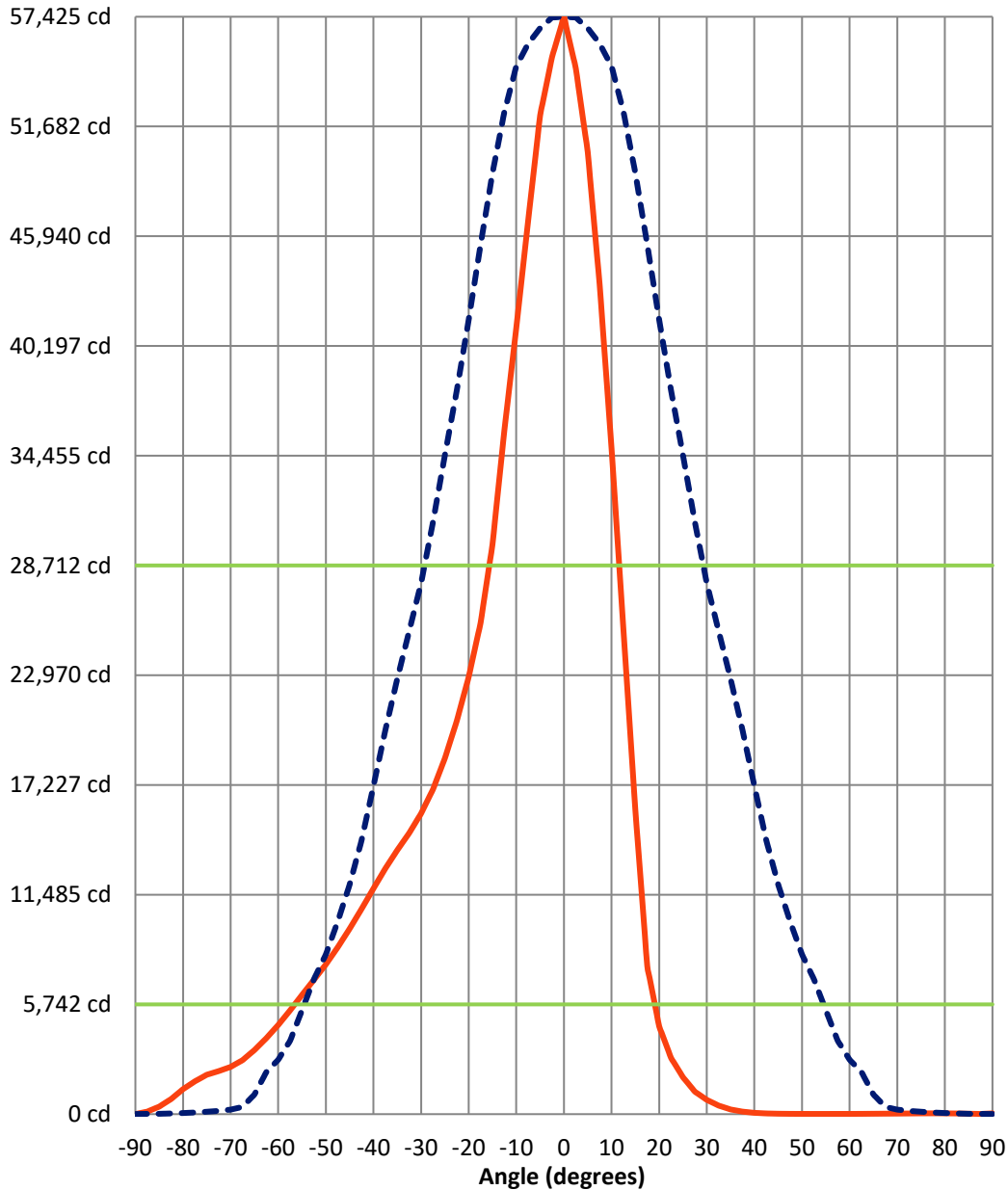
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 27.3°
 Lumens: 15253.2
 Efficiency: 39.5%

Field:
 H Angle: 109.1°
 V Angle: 75.6°
 Lumens: 34003.3
 Efficiency: 88.0%

Spill:
 Lumens: 4635.9
 Efficiency: 12.0%

— 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°	8.3	9.4	10.4	10.9	11.5	12.0	12.5	13.0	13.6	14.1	14.6
87.5°	8.3	8.7	9.2	9.9	10.7	11.6	12.6	12.9	13.0	12.9	12.7
85°	8.3	9.0	10.1	11.4	13.0	14.8	16.9	17.4	17.6	17.5	17.2
82.5°	8.3	9.4	11.0	13.0	15.3	18.1	21.2	22.0	22.5	24.1	27.1
80°	8.3	9.8	11.9	14.5	17.6	21.3	25.1	26.3	29.0	33.6	39.9
77.5°	8.3	10.1	12.8	16.0	19.9	23.7	27.1	30.2	35.3	42.7	50.0
75°	8.3	10.5	13.7	17.5	21.8	24.7	28.9	33.9	40.9	46.9	53.0
72.5°	8.3	10.8	14.5	19.0	22.1	25.7	30.6	36.8	42.9	49.2	55.8
70°	8.3	11.1	15.3	20.1	22.4	26.5	32.2	38.3	44.7	51.4	57.9
67.5°	8.3	11.5	16.1	20.0	22.7	27.2	33.4	39.6	46.4	53.1	59.8
65°	8.3	11.8	16.8	19.9	22.8	28.1	34.6	40.9	47.8	54.6	62.1
62.5°	8.3	12.1	17.6	19.7	22.9	29.2	35.8	42.0	49.0	56.4	65.7
60°	8.3	12.4	18.2	19.5	22.8	30.3	37.0	43.0	50.2	59.1	69.0
57.5°	8.3	12.6	18.1	19.2	23.7	31.4	38.4	44.1	52.0	61.5	70.2
55°	8.3	12.9	17.9	18.9	24.7	32.5	39.8	45.5	53.7	63.2	70.4
52.5°	8.3	13.1	17.8	18.5	25.6	33.6	41.4	47.4	55.1	63.2	70.4
50°	8.3	13.4	17.6	18.1	26.4	35.0	42.9	49.4	56.0	63.1	67.0
47.5°	8.3	13.6	17.5	17.8	27.2	36.5	44.6	51.4	55.8	62.9	63.6
45°	8.3	13.8	17.5	18.4	28.0	37.9	46.3	53.5	57.0	60.5	60.6
42.5°	8.3	14.0	17.4	19.0	28.8	39.4	48.1	55.1	58.6	58.3	57.8
40°	8.3	14.2	17.4	19.9	29.7	40.8	49.8	56.6	60.0	56.9	55.3
37.5°	8.3	14.3	17.4	21.0	30.8	42.3	51.5	58.2	61.1	58.4	53.3
35°	8.3	14.4	17.4	22.1	31.9	43.6	53.2	60.0	62.7	60.9	53.6
32.5°	8.3	14.6	17.4	23.2	32.9	44.9	54.7	61.9	64.9	64.9	64.2
30°	8.3	14.7	17.5	24.3	33.8	46.1	56.2	63.8	67.4	70.2	77.3
27.5°	8.3	14.7	17.5	25.5	35.9	47.3	57.6	65.8	71.0	76.8	92.9
25°	8.3	14.8	17.6	26.6	38.2	48.4	59.1	68.0	76.0	87.8	112.5
22.5°	8.3	14.9	17.7	27.7	40.4	50.2	60.6	70.4	81.8	101.8	176.5
20°	8.3	14.9	17.8	28.7	42.7	54.2	62.1	73.0	88.1	117.0	249.4
17.5°	8.3	14.9	18.0	29.8	44.9	58.3	67.4	75.7	94.8	133.0	329.6
15°	8.3	14.9	18.1	30.8	47.1	62.6	75.5	83.3	101.9	149.5	414.8
12.5°	8.3	14.9	18.2	31.7	49.3	66.9	84.0	97.5	118.2	166.4	502.8
10°	8.3	14.9	18.3	32.6	51.3	71.2	92.7	112.1	142.1	206.0	601.2
7.5°	8.3	14.8	18.5	33.4	53.3	75.5	101.6	127.0	166.4	249.7	718.4
5°	8.3	14.8	18.6	34.2	55.1	79.7	110.4	141.9	190.7	293.4	831.0
2.5°	8.3	14.7	18.7	34.9	56.8	83.8	119.0	156.7	214.6	336.4	936.1
0°	8.3	14.6	18.8	35.5	58.4	87.6	127.3	171.1	237.9	377.7	1030.8
-2.5°	8.3	14.9	20.3	39.8	68.2	106.6	160.5	225.9	321.1	492.4	1146.8
-5°	8.3	15.2	21.7	44.0	77.8	125.1	192.9	279.4	402.1	603.3	1249.7
-7.5°	8.3	15.5	23.1	48.0	86.9	142.9	223.9	330.7	479.7	708.7	1339.7
-10°	8.3	15.8	24.4	51.8	95.5	159.7	253.2	379.2	552.8	807.5	1417.1
-12.5°	8.3	16.0	25.7	55.3	103.5	175.2	280.3	424.0	620.4	894.6	1448.6
-15°	8.3	16.2	26.8	58.5	110.8	189.4	304.9	464.5	675.6	947.5	1455.4
-17.5°	8.3	16.4	28.0	61.3	117.3	202.0	326.6	499.6	717.8	993.7	1455.6
-20°	8.3	16.6	29.0	63.7	122.9	212.8	346.9	530.1	754.9	1032.6	1450.4



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.3	16.7	29.9	65.7	127.5	221.7	367.5	556.2	786.7	1064.1	1440.9
-25°	8.3	16.8	30.7	67.3	131.0	233.0	385.0	577.8	813.0	1087.8	1428.1
-27.5°	8.3	16.9	31.3	68.3	133.4	243.9	399.3	594.4	833.4	1107.4	1447.7
-30°	8.3	17.0	31.9	68.9	135.0	252.5	410.2	606.0	849.8	1126.9	1459.2
-32.5°	8.3	17.0	32.3	68.9	139.4	258.5	417.6	616.4	860.6	1138.9	1460.7
-35°	8.3	17.0	32.6	68.3	142.1	261.9	423.4	623.1	864.5	1143.2	1452.2
-37.5°	8.3	17.0	32.7	67.2	143.3	263.5	426.3	625.0	861.5	1139.9	1404.7
-40°	8.3	16.9	32.7	65.6	142.7	264.1	425.2	622.1	851.4	1129.3	1355.1
-42.5°	8.3	16.8	32.5	64.0	141.6	261.9	420.2	614.2	840.0	1083.5	1298.5
-45°	8.3	16.6	32.2	62.9	140.3	257.0	411.3	602.2	825.0	1028.7	1235.4
-47.5°	8.3	16.4	31.7	61.0	137.5	249.4	398.5	586.4	803.0	969.4	1168.3
-50°	8.3	16.2	31.1	60.4	133.3	239.2	384.4	565.3	755.4	914.5	1095.8
-52.5°	8.3	16.0	30.3	59.8	127.6	226.3	367.0	539.2	705.1	854.7	1018.9
-55°	8.3	15.7	29.4	58.5	120.5	214.8	345.9	508.4	652.0	790.1	944.6
-57.5°	8.3	15.4	28.4	56.7	112.0	201.9	321.2	475.8	595.9	724.4	864.8
-60°	8.3	15.1	27.2	54.2	102.5	187.0	294.0	432.4	538.2	656.0	782.3
-62.5°	8.3	14.7	26.2	51.2	96.2	170.1	269.9	384.7	483.6	584.5	700.3
-65°	8.3	14.3	25.1	47.7	89.0	151.3	243.1	338.4	427.4	519.0	614.9
-67.5°	8.3	13.9	23.9	43.7	80.8	134.3	213.9	298.0	369.8	454.1	538.0
-70°	8.3	13.4	22.6	39.2	71.8	119.3	182.5	256.9	323.4	387.7	464.2
-72.5°	8.3	13.0	21.3	35.9	62.1	103.0	157.0	215.1	276.7	335.9	392.9
-75°	8.3	12.5	19.8	32.7	51.7	85.7	131.1	177.8	229.2	283.8	336.3
-77.5°	8.3	12.0	18.4	29.3	44.7	67.5	103.9	141.1	182.7	229.8	279.2
-80°	8.3	11.5	16.8	25.8	38.4	54.4	75.5	103.4	135.2	171.3	211.7
-82.5°	8.3	11.0	15.3	22.2	31.8	44.1	58.9	71.4	86.5	111.5	139.6
-85°	8.3	10.4	13.7	18.5	25.1	33.5	43.7	52.1	61.2	71.0	81.4
-87.5°	8.3	9.9	12.0	14.7	18.3	22.8	28.1	32.6	37.4	42.6	48.1
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



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 CATALOG NUMBER: EPH-08-680N-50-70-7F-CV5-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	15.1	15.7	16.2	16.7	18.3	19.9	21.4	23.0	25.6	28.2	30.8
87.5°	13.6	14.6	15.6	16.7	16.0	15.1	14.0	12.8	13.7	14.7	15.8
85°	18.9	20.8	23.5	25.7	25.6	25.7	26.1	26.7	28.5	30.0	31.2
82.5°	30.6	33.4	35.3	36.5	38.4	40.9	44.2	49.1	51.9	53.6	54.7
80°	43.7	46.0	47.8	51.3	57.5	64.7	72.5	81.0	83.8	84.0	83.2
77.5°	52.3	55.8	61.5	69.3	78.6	87.7	97.5	107.9	110.9	110.3	108.7
75°	58.0	64.8	73.4	84.0	95.3	107.0	119.2	130.5	133.7	130.4	125.9
72.5°	62.5	71.4	82.8	96.8	109.5	121.4	134.1	147.5	152.2	144.9	135.8
70°	65.6	76.9	90.7	105.3	119.9	132.8	144.7	157.6	164.9	152.5	134.5
67.5°	68.2	82.2	97.2	112.3	125.5	137.8	151.2	155.4	157.2	138.5	119.1
65°	72.0	87.0	100.7	114.1	128.2	132.3	135.1	138.0	135.0	113.6	92.6
62.5°	75.8	88.2	101.3	111.6	115.0	117.1	114.7	109.1	101.6	86.8	69.7
60°	76.9	87.9	96.4	99.5	100.4	96.1	89.5	82.8	75.0	62.8	51.0
57.5°	77.4	82.9	86.2	86.8	82.8	75.8	69.4	60.8	54.2	46.4	36.9
55°	75.5	74.4	75.9	73.3	67.5	60.2	52.6	46.7	38.9	34.3	28.7
52.5°	70.3	67.3	65.9	61.7	55.2	48.5	42.3	36.6	32.1	27.1	23.6
50°	65.6	61.7	57.3	52.2	47.3	42.8	35.7	31.7	27.9	24.1	21.0
47.5°	61.4	56.6	50.1	45.9	45.4	42.6	35.8	29.6	26.2	26.1	23.2
45°	57.6	53.6	46.1	46.9	48.3	48.1	43.3	29.0	32.2	32.9	31.2
42.5°	54.3	52.7	54.8	49.9	57.7	62.0	58.2	48.5	43.1	47.9	49.9
40°	54.7	53.9	72.2	71.7	72.7	84.1	89.5	82.6	63.5	75.3	80.7
37.5°	56.9	75.8	98.4	105.8	99.2	118.6	130.2	138.2	123.3	113.6	130.4
35°	60.4	103.1	136.9	152.7	153.6	164.7	195.0	207.4	197.5	182.3	195.8
32.5°	78.9	135.8	182.3	209.2	233.9	245.4	272.4	285.2	296.0	296.1	290.4
30°	118.1	178.9	235.1	271.8	331.3	385.3	373.6	376.4	416.3	456.9	476.7
27.5°	185.0	232.4	294.0	360.2	451.1	556.2	575.0	521.7	576.0	651.1	717.7
25°	269.1	394.0	356.7	465.6	616.8	762.7	840.3	877.3	803.1	912.3	1069.9
22.5°	385.5	598.8	600.7	580.5	803.2	1007.2	1198.3	1381.3	1476.0	1357.2	1521.2
20°	542.3	817.9	906.2	1004.1	1081.9	1285.1	1614.9	2014.4	2380.2	2587.3	2492.4
17.5°	722.4	1057.1	1259.6	1521.8	1780.9	1891.8	2101.9	2756.1	3466.3	4070.9	4396.0
15°	920.7	1312.6	1641.9	2092.9	2558.8	2909.9	3273.9	3836.0	4773.5	5807.9	6636.0
12.5°	1131.6	1580.2	2045.9	2704.9	3397.0	3974.5	4623.4	5478.2	6559.8	7850.1	9199.0
10°	1348.9	1855.1	2463.5	3344.3	4278.0	5070.8	5999.5	7120.7	8501.8	10109.4	11804.8
7.5°	1579.1	2124.0	2875.2	3996.2	5182.1	6182.6	7383.5	8747.8	10423.7	12334.7	14378.5
5°	1802.1	2377.9	3218.4	4520.4	5915.8	7121.0	8644.3	10337.4	12302.5	14500.6	16909.2
2.5°	2010.1	2621.0	3543.5	5000.1	6511.3	7762.4	9393.5	11214.0	13430.6	16022.2	18807.9
0°	2197.3	2850.4	3845.7	5442.0	7061.3	8359.2	10080.7	12017.1	14327.0	17171.1	20098.7
-2.5°	2278.4	2970.1	3981.9	5507.9	7047.6	8370.0	10026.5	12001.9	14229.5	16941.1	19812.7
-5°	2335.8	3071.1	4089.2	5531.7	6988.4	8330.9	9910.9	11895.8	13919.6	16331.6	18904.3
-7.5°	2372.0	3151.5	4166.7	5491.1	6795.5	8025.0	9399.3	11090.1	12935.4	15082.4	17347.4
-10°	2379.6	3142.8	4050.4	5226.8	6420.6	7547.9	8772.6	10240.9	11891.0	13768.6	15737.8
-12.5°	2305.7	3055.9	3886.5	4943.6	6032.4	7052.3	8124.7	9372.1	10802.2	12416.3	14159.6
-15°	2225.5	2957.4	3710.3	4648.4	5640.5	6546.6	7466.7	8501.3	9770.1	11240.7	12744.1
-17.5°	2143.1	2849.1	3525.4	4347.8	5253.6	6038.7	6844.1	7826.7	8963.6	10202.8	11426.5
-20°	2062.2	2732.6	3335.2	4047.7	4877.7	5619.0	6404.4	7267.8	8222.2	9232.1	10205.0



REPORT NUMBER: P1306347 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-50-70-7F-CV5-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1986.2	2609.5	3159.4	3796.0	4554.7	5265.5	5967.0	6708.8	7499.2	8316.8	9343.4
-25°	1935.3	2491.4	3006.0	3596.2	4251.5	4907.5	5526.2	6164.0	6844.2	7748.7	8699.5
-27.5°	1903.7	2390.8	2871.3	3395.7	3961.2	4554.3	5114.3	5676.8	6435.2	7249.0	8090.5
-30°	1872.6	2290.7	2730.9	3206.1	3721.0	4235.4	4717.5	5353.0	6060.2	6804.7	7553.1
-32.5°	1813.4	2185.7	2603.0	3042.8	3497.7	3943.2	4446.5	5071.5	5720.1	6374.8	7050.2
-35°	1740.0	2092.9	2477.5	2876.7	3284.6	3725.2	4235.5	4785.7	5381.6	5990.6	6657.2
-37.5°	1676.0	1992.0	2347.4	2719.7	3101.8	3535.7	4004.9	4518.9	5062.0	5631.5	6268.0
-40°	1604.9	1883.3	2224.2	2573.3	2932.1	3337.6	3779.5	4246.6	4746.5	5291.0	5862.2
-42.5°	1528.7	1796.8	2097.3	2423.1	2764.2	3135.1	3536.4	3975.7	4442.0	4937.8	5461.0
-45°	1457.9	1703.8	1968.2	2272.5	2588.1	2925.4	3297.5	3691.9	4133.8	4590.2	5061.6
-47.5°	1379.4	1606.8	1857.3	2111.7	2407.4	2718.3	3048.2	3421.3	3811.8	4235.6	4670.7
-50°	1294.6	1510.5	1730.9	1963.8	2222.4	2506.6	2808.0	3143.7	3505.1	3875.3	4266.7
-52.5°	1207.4	1405.8	1605.3	1812.7	2043.5	2296.0	2570.0	2867.1	3192.4	3531.9	3869.7
-55°	1114.4	1297.7	1475.1	1663.7	1864.9	2089.8	2331.9	2596.7	2869.7	3178.8	3476.4
-57.5°	1020.5	1181.8	1343.2	1514.5	1693.8	1882.1	2102.6	2326.9	2572.9	2827.2	3075.0
-60°	923.3	1064.1	1207.7	1362.3	1524.3	1694.9	1874.5	2074.7	2283.0	2488.7	2707.1
-62.5°	822.5	946.7	1073.1	1205.6	1351.1	1504.8	1665.2	1832.2	2004.0	2182.9	2359.3
-65°	725.2	830.5	940.8	1056.7	1173.4	1314.2	1456.2	1596.6	1746.9	1891.8	2033.2
-67.5°	626.2	726.0	818.8	909.2	1016.8	1137.7	1249.2	1376.4	1502.3	1621.4	1736.6
-70°	544.1	624.0	709.2	791.1	875.8	978.6	1088.0	1189.2	1284.5	1384.4	1492.3
-72.5°	465.2	542.2	613.4	678.9	764.7	861.0	950.7	1034.2	1125.0	1219.9	1307.2
-75°	392.9	460.1	529.5	593.9	665.4	749.4	839.9	924.9	1002.1	1078.9	1158.4
-77.5°	323.2	373.7	432.2	498.2	569.0	634.4	705.9	783.0	855.1	928.4	1006.1
-80°	248.2	284.2	323.9	369.7	422.3	480.0	541.9	607.7	665.4	718.4	770.8
-82.5°	167.0	194.5	222.3	250.3	279.7	310.8	345.0	387.0	424.3	461.8	500.0
-85°	92.4	104.1	123.1	142.3	158.7	176.0	194.2	213.3	231.0	248.4	265.4
-87.5°	53.9	60.0	66.3	72.9	77.3	81.5	85.6	89.4	94.4	99.3	104.0
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	33.4	33.9	34.5	35.0	35.5	37.1	38.6	40.2	41.7	41.2	40.7
87.5°	16.9	16.6	16.4	16.1	15.7	17.3	19.0	20.6	22.4	20.5	18.6
85°	32.1	32.2	32.3	32.2	32.0	34.1	36.3	38.4	40.4	37.3	34.0
82.5°	55.0	54.0	52.2	49.6	46.3	45.6	44.7	43.4	41.8	40.1	38.5
80°	81.7	77.8	72.7	66.9	60.3	56.8	53.5	49.8	45.7	44.5	43.5
77.5°	105.3	98.2	89.6	80.2	70.2	64.2	59.1	53.9	48.4	47.2	46.8
75°	120.4	111.2	98.6	85.6	72.2	63.7	57.6	51.6	45.8	44.0	43.2
72.5°	125.0	112.2	97.5	81.2	65.4	55.5	49.8	44.7	40.1	38.3	37.3
70°	117.0	99.9	83.6	68.0	53.5	44.3	40.3	36.8	33.8	32.5	32.0
67.5°	98.8	81.0	65.8	52.6	42.1	35.3	33.0	30.9	29.0	27.8	27.0
65°	75.1	61.1	50.0	41.2	34.5	30.3	28.5	26.8	25.1	23.8	22.8
62.5°	55.1	44.9	38.4	33.4	29.5	26.7	25.0	23.5	22.3	21.3	20.5
60°	41.6	34.6	30.5	27.3	24.9	23.1	22.1	21.1	20.2	19.3	18.5
57.5°	31.7	27.5	24.5	23.0	21.9	21.1	20.3	19.3	18.3	17.4	16.5
55°	25.1	22.9	21.3	20.8	20.3	19.5	18.6	17.8	16.7	15.4	14.5
52.5°	21.1	20.9	20.9	20.5	19.9	19.3	18.7	17.4	16.1	14.9	14.1
50°	20.9	21.0	21.1	20.7	20.1	19.5	18.9	18.0	17.1	16.2	15.7
47.5°	21.7	22.0	23.2	21.2	20.9	21.4	21.1	20.3	20.0	19.5	19.0
45°	25.5	29.9	31.0	29.4	25.8	28.7	27.8	24.4	26.4	26.2	24.5
42.5°	45.3	50.0	53.7	51.4	44.0	46.5	46.5	41.5	42.9	43.0	41.1
40°	86.5	84.9	90.8	88.4	80.4	77.5	80.8	75.1	74.0	76.8	73.5
37.5°	142.5	143.4	140.8	141.1	138.2	130.5	135.1	133.5	128.7	137.7	138.8
35°	222.7	229.6	207.8	216.4	220.2	211.7	217.0	232.2	222.5	243.4	249.2
32.5°	330.2	344.4	334.2	324.3	340.7	353.8	359.9	392.1	400.7	419.7	442.2
30°	462.7	499.9	529.3	510.9	508.8	555.0	581.7	624.9	666.9	692.1	738.1
27.5°	738.4	727.0	796.8	817.5	771.5	845.3	945.5	964.6	1092.4	1102.7	1192.1
25°	1167.0	1161.0	1182.1	1283.4	1309.1	1346.1	1518.0	1608.9	1755.5	1834.6	1903.2
22.5°	1742.5	1905.2	1932.9	1886.4	2109.0	2254.6	2302.7	2564.1	2683.6	2862.1	2915.8
20°	2462.4	2840.7	3318.6	3326.1	3234.5	3653.9	3827.7	3965.1	4257.2	4460.8	4598.8
17.5°	4349.6	4346.6	5322.7	5862.0	5801.0	6102.9	6957.3	6869.1	7559.3	7977.8	7995.4
15°	7119.2	7635.5	8254.8	9233.0	10065.5	10736.6	11547.8	12607.6	13465.8	14473.9	15239.2
12.5°	10287.8	11304.4	12364.6	13480.4	14787.0	16270.6	17884.3	19297.0	20977.5	22448.2	23968.9
10°	13462.6	15072.8	16569.0	18236.5	20093.6	22069.9	24436.5	26504.2	28990.1	31170.4	32603.7
7.5°	16373.7	18305.4	20327.6	22751.5	25343.5	27825.2	30504.4	33404.6	36312.9	38832.1	40971.2
5°	19219.2	21390.6	23632.0	26302.0	29264.1	32373.9	35689.2	39119.1	42166.5	45036.2	47533.9
2.5°	21451.3	23938.7	26499.4	29518.6	32705.5	35857.0	39175.8	42868.0	46412.2	49768.5	52334.5
0°	22778.0	25273.6	27786.0	30984.8	34484.2	37870.8	41570.5	45501.7	49243.1	52452.4	54831.2
-2.5°	22249.5	24680.3	27218.9	30379.2	33750.5	36906.0	40440.9	44249.0	47872.8	51123.0	53592.0
-5°	21054.5	23235.5	25562.5	28484.6	31638.6	34773.6	38239.1	41861.8	44987.9	47872.9	50086.5
-7.5°	19374.3	21386.3	23556.6	26261.9	29162.3	31900.1	34732.8	37655.4	40500.2	42967.6	44788.9
-10°	17589.8	19411.2	21279.3	23448.9	25920.7	28310.3	30700.4	33366.1	35710.7	37747.7	39249.7
-12.5°	15800.2	17296.4	18770.2	20429.1	22550.2	24700.8	26768.0	29003.3	30870.7	32551.2	33887.4
-15°	14082.4	15247.2	16365.5	17971.2	19839.0	21427.2	22699.2	24723.8	25991.5	27485.4	28419.6
-17.5°	12485.8	13415.9	14775.0	16155.3	17487.9	18793.1	20260.7	21459.4	22703.7	23923.8	24726.8
-20°	11229.6	12380.0	13528.7	14651.2	15796.0	17041.9	18203.6	19336.3	20420.7	21358.5	22002.2



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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°	10411.8	11433.1	12400.1	13410.2	14525.3	15571.6	16553.2	17596.2	18523.4	19223.6	19747.3
-25°	9626.6	10514.7	11455.6	12466.1	13409.7	14290.3	15194.2	15999.4	16790.6	17373.6	17863.6
-27.5°	8918.8	9761.4	10688.3	11584.1	12425.1	13248.1	14016.2	14683.2	15342.4	15808.7	16296.0
-30°	8303.2	9156.6	9999.6	10795.9	11585.9	12331.5	13008.8	13642.1	14195.1	14649.3	15057.8
-32.5°	7838.2	8612.0	9362.8	10107.7	10856.4	11543.8	12136.7	12745.0	13253.9	13689.4	14059.3
-35°	7378.4	8106.0	8800.0	9482.5	10171.7	10834.5	11408.5	11938.1	12439.0	12828.8	13167.8
-37.5°	6930.0	7608.5	8250.5	8864.4	9494.9	10105.9	10629.6	11127.1	11574.8	11935.1	12256.7
-40°	6478.3	7099.9	7673.9	8245.8	8812.3	9324.3	9816.6	10274.8	10658.4	10990.5	11283.2
-42.5°	6011.7	6558.9	7076.7	7600.1	8117.6	8570.6	9005.1	9416.8	9743.2	10037.6	10291.0
-45°	5543.2	6024.8	6499.2	6969.5	7395.3	7813.6	8207.3	8555.0	8849.3	9109.9	9329.7
-47.5°	5092.3	5501.7	5935.7	6364.6	6730.4	7088.4	7432.8	7727.6	7983.2	8211.1	8404.5
-50°	4641.8	5007.0	5385.6	5753.7	6089.1	6403.3	6692.0	6949.5	7182.5	7379.5	7545.4
-52.5°	4195.7	4534.9	4858.5	5157.8	5462.5	5751.5	6020.0	6245.1	6449.3	6631.6	6777.8
-55°	3770.0	4069.8	4372.5	4627.3	4873.6	5114.3	5337.9	5539.0	5724.0	5891.4	6022.5
-57.5°	3340.3	3601.9	3854.8	4083.3	4304.4	4516.7	4697.9	4855.5	5003.1	5138.4	5254.0
-60°	2925.7	3143.7	3357.3	3548.0	3732.2	3908.9	4063.2	4197.3	4316.2	4421.1	4515.8
-62.5°	2536.5	2723.8	2894.0	3048.0	3192.1	3336.2	3467.7	3583.7	3684.4	3770.7	3844.9
-65°	2178.7	2333.6	2469.8	2597.3	2716.9	2838.3	2943.9	3039.2	3124.0	3195.3	3252.4
-67.5°	1860.5	1981.8	2095.1	2193.9	2295.7	2398.9	2494.5	2577.9	2649.8	2706.8	2751.2
-70°	1592.1	1690.3	1792.0	1890.4	1987.3	2076.0	2158.7	2232.5	2298.3	2347.3	2386.5
-72.5°	1387.3	1470.1	1563.8	1663.1	1755.1	1843.4	1927.4	2005.6	2078.4	2125.1	2161.5
-75°	1240.2	1325.7	1409.5	1492.3	1573.8	1651.4	1729.6	1809.5	1890.1	1937.6	1975.8
-77.5°	1077.7	1137.6	1200.0	1267.5	1339.3	1409.0	1477.1	1544.4	1610.3	1643.4	1668.5
-80°	826.2	874.1	921.0	968.5	1016.2	1065.2	1114.6	1163.6	1211.8	1234.1	1250.7
-82.5°	538.5	571.4	602.6	632.7	661.4	685.9	708.8	730.2	749.8	759.4	766.0
-85°	282.0	296.5	310.2	323.1	335.2	342.7	349.1	354.6	359.1	365.1	370.3
-87.5°	108.6	112.6	116.6	120.5	124.3	126.2	127.8	129.2	130.4	132.3	134.2
-90°	8.3	7.8	7.3	6.8	6.3	5.8	5.3	4.7	4.2	4.2	4.2



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	40.1	39.6	40.7	41.7	40.7	39.6	40.1	40.7	41.2	41.7	40.2
87.5°	16.6	14.6	13.5	12.5	13.5	14.6	16.6	18.6	20.5	22.4	20.6
85°	30.6	27.0	25.0	23.0	25.0	27.0	30.6	34.0	37.3	40.4	38.4
82.5°	36.9	35.4	35.5	35.5	35.5	35.4	36.9	38.5	40.1	41.8	43.4
80°	42.6	41.6	41.7	41.7	41.7	41.6	42.6	43.5	44.5	45.7	49.8
77.5°	46.3	45.8	44.9	43.8	44.9	45.8	46.3	46.8	47.2	48.4	53.9
75°	42.5	41.8	41.7	41.7	41.7	41.8	42.5	43.2	44.0	45.8	51.6
72.5°	36.5	35.7	35.5	35.5	35.5	35.7	36.5	37.3	38.3	40.1	44.7
70°	31.6	31.4	30.4	29.2	30.4	31.4	31.6	32.0	32.5	33.8	36.8
67.5°	26.1	25.3	25.0	25.0	25.0	25.3	26.1	27.0	27.8	29.0	30.9
65°	22.0	21.2	20.9	20.9	20.9	21.2	22.0	22.8	23.8	25.1	26.8
62.5°	19.7	19.0	17.9	16.7	17.9	19.0	19.7	20.5	21.3	22.3	23.5
60°	17.7	17.0	15.8	14.6	15.8	17.0	17.7	18.5	19.3	20.2	21.1
57.5°	15.7	14.9	14.6	14.6	14.6	14.9	15.7	16.5	17.4	18.3	19.3
55°	13.7	12.9	12.5	12.5	12.5	12.9	13.7	14.5	15.4	16.7	17.8
52.5°	13.4	12.8	12.5	12.5	12.5	12.8	13.4	14.1	14.9	16.1	17.4
50°	15.3	14.8	14.6	14.6	14.6	14.8	15.3	15.7	16.2	17.1	18.0
47.5°	18.3	17.2	16.7	16.7	16.7	17.2	18.3	19.0	19.5	20.0	20.3
45°	24.1	23.3	22.9	23.0	22.9	23.3	24.1	24.5	26.2	26.4	24.4
42.5°	41.6	40.4	38.7	37.6	38.7	40.4	41.6	41.1	43.0	42.9	41.5
40°	73.7	72.1	69.6	68.9	69.6	72.1	73.7	73.5	76.8	74.0	75.1
37.5°	140.6	139.6	135.1	133.5	135.1	139.6	140.6	138.8	137.7	128.7	133.5
35°	248.7	250.6	246.3	246.2	246.3	250.6	248.7	249.2	243.4	222.5	232.2
32.5°	449.7	454.5	441.8	448.6	441.8	454.5	449.7	442.2	419.7	400.7	392.1
30°	736.6	753.1	745.8	749.1	745.8	753.1	736.6	738.1	692.1	666.9	624.9
27.5°	1200.9	1213.1	1187.8	1179.0	1187.8	1213.1	1200.9	1192.1	1102.7	1092.4	964.6
25°	1941.8	1949.5	1924.7	1934.3	1924.7	1949.5	1941.8	1903.2	1834.6	1755.5	1608.9
22.5°	3024.8	2995.8	2968.3	2942.2	2968.3	2995.8	3024.8	2915.8	2862.1	2683.6	2564.1
20°	4727.0	4660.3	4651.3	4601.1	4651.3	4660.3	4727.0	4598.8	4460.8	4257.2	3965.1
17.5°	8422.2	8543.4	8274.3	7754.0	8274.3	8543.4	8422.2	7995.4	7977.8	7559.3	6869.1
15°	15690.0	16259.4	16504.0	15906.6	16504.0	16259.4	15690.0	15239.2	14473.9	13465.8	12607.6
12.5°	24808.3	25209.3	25694.8	25340.4	25694.8	25209.3	24808.3	23968.9	22448.2	20977.5	19297.0
10°	33835.0	34435.1	35170.1	34838.9	35170.1	34435.1	33835.0	32603.7	31170.4	28990.1	26504.2
7.5°	42148.5	43182.4	43828.2	43413.0	43828.2	43182.4	42148.5	40971.2	38832.1	36312.9	33404.6
5°	49243.5	50061.0	50450.3	50342.8	50450.3	50061.0	49243.5	47533.9	45036.2	42166.5	39119.1
2.5°	53793.5	54656.5	55005.2	54715.4	55005.2	54656.5	53793.5	52334.5	49768.5	46412.2	42868.0
0°	56017.4	56826.0	57381.1	57424.9	57381.1	56826.0	56017.4	54831.2	52452.4	49243.1	45501.7
-2.5°	54732.2	55223.6	55489.1	55312.2	55489.1	55223.6	54732.2	53592.0	51123.0	47872.8	44249.0
-5°	51366.3	51885.9	52054.5	52260.4	52054.5	51885.9	51366.3	50086.5	47872.9	44987.9	41861.8
-7.5°	45813.4	46383.4	46803.7	46786.1	46803.7	46383.4	45813.4	44788.9	42967.6	40500.2	37655.4
-10°	40366.8	40790.4	41228.8	41155.2	41228.8	40790.4	40366.8	39249.7	37747.7	35710.7	33366.1
-12.5°	34969.0	35675.6	35847.2	35795.6	35847.2	35675.6	34969.0	33887.4	32551.2	30870.7	29003.3
-15°	29483.1	30006.6	29963.7	29824.6	29963.7	30006.6	29483.1	28419.6	27485.4	25991.5	24723.8
-17.5°	25421.6	25710.2	25820.6	25711.8	25820.6	25710.2	25421.6	24726.8	23923.8	22703.7	21459.4
-20°	22531.5	22754.5	22829.6	22880.2	22829.6	22754.5	22531.5	22002.2	21358.5	20420.7	19336.3



REPORT NUMBER: P1306347 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-50-70-7F-CV5-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20198.3	20426.2	20492.2	20578.6	20492.2	20426.2	20198.3	19747.3	19223.6	18523.4	17596.2
-25°	18241.7	18464.4	18539.7	18625.5	18539.7	18464.4	18241.7	17863.6	17373.6	16790.6	15999.4
-27.5°	16622.8	16840.2	16930.7	16995.9	16930.7	16840.2	16622.8	16296.0	15808.7	15342.4	14683.2
-30°	15348.0	15562.0	15691.4	15733.4	15691.4	15562.0	15348.0	15057.8	14649.3	14195.1	13642.1
-32.5°	14336.5	14523.3	14645.0	14706.8	14645.0	14523.3	14336.5	14059.3	13689.4	13253.9	12745.0
-35°	13435.6	13623.2	13749.6	13813.7	13749.6	13623.2	13435.6	13167.8	12828.8	12439.0	11938.1
-37.5°	12514.4	12718.6	12852.3	12855.9	12852.3	12718.6	12514.4	12256.7	11935.1	11574.8	11127.1
-40°	11498.0	11660.0	11766.0	11808.4	11766.0	11660.0	11498.0	11283.2	10990.5	10658.4	10274.8
-42.5°	10478.6	10616.2	10702.2	10738.0	10702.2	10616.2	10478.6	10291.0	10037.6	9743.2	9416.8
-45°	9505.3	9644.0	9715.7	9705.1	9715.7	9644.0	9505.3	9329.7	9109.9	8849.3	8555.0
-47.5°	8553.1	8660.7	8719.5	8732.7	8719.5	8660.7	8553.1	8404.5	8211.1	7983.2	7727.6
-50°	7686.3	7800.4	7849.1	7835.4	7849.1	7800.4	7686.3	7545.4	7379.5	7182.5	6949.5
-52.5°	6898.2	6995.2	7037.2	7032.0	7037.2	6995.2	6898.2	6777.8	6631.6	6449.3	6245.1
-55°	6129.7	6213.4	6246.8	6241.2	6246.8	6213.4	6129.7	6022.5	5891.4	5724.0	5539.0
-57.5°	5349.9	5425.3	5447.7	5433.7	5447.7	5425.3	5349.9	5254.0	5138.4	5003.1	4855.5
-60°	4594.5	4656.5	4675.9	4667.9	4675.9	4656.5	4594.5	4515.8	4421.1	4316.2	4197.3
-62.5°	3906.2	3954.1	3973.9	3975.1	3973.9	3954.1	3906.2	3844.9	3770.7	3684.4	3583.7
-65°	3298.8	3334.3	3350.2	3353.3	3350.2	3334.3	3298.8	3252.4	3195.3	3124.0	3039.2
-67.5°	2786.9	2814.6	2824.3	2825.3	2824.3	2814.6	2786.9	2751.2	2706.8	2649.8	2577.9
-70°	2421.5	2452.5	2465.4	2472.7	2465.4	2452.5	2421.5	2386.5	2347.3	2298.3	2232.5
-72.5°	2195.7	2227.5	2242.5	2253.6	2242.5	2227.5	2195.7	2161.5	2125.1	2078.4	2005.6
-75°	2012.1	2045.8	2056.4	2061.6	2056.4	2045.8	2012.1	1975.8	1937.6	1890.1	1809.5
-77.5°	1690.3	1708.5	1715.3	1717.3	1715.3	1708.5	1690.3	1668.5	1643.4	1610.3	1544.4
-80°	1263.9	1273.4	1291.5	1306.2	1291.5	1273.4	1263.9	1250.7	1234.1	1211.8	1163.6
-82.5°	770.1	771.7	782.3	790.8	782.3	771.7	770.1	766.0	759.4	749.8	730.2
-85°	374.6	377.9	386.6	394.4	386.6	377.9	374.6	370.3	365.1	359.1	354.6
-87.5°	135.8	137.3	136.6	135.6	136.6	137.3	135.8	134.2	132.3	130.4	129.2
-90°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	38.6	37.1	35.5	35.0	34.5	33.9	33.4	30.8	28.2	25.6	23.0
87.5°	19.0	17.3	15.7	16.1	16.4	16.6	16.9	15.8	14.7	13.7	12.8
85°	36.3	34.1	32.0	32.2	32.3	32.2	32.1	31.2	30.0	28.5	26.7
82.5°	44.7	45.6	46.3	49.6	52.2	54.0	55.0	54.7	53.6	51.9	49.1
80°	53.5	56.8	60.3	66.9	72.7	77.8	81.7	83.2	84.0	83.8	81.0
77.5°	59.1	64.2	70.2	80.2	89.6	98.2	105.3	108.7	110.3	110.9	107.9
75°	57.6	63.7	72.2	85.6	98.6	111.2	120.4	125.9	130.4	133.7	130.5
72.5°	49.8	55.5	65.4	81.2	97.5	112.2	125.0	135.8	144.9	152.2	147.5
70°	40.3	44.3	53.5	68.0	83.6	99.9	117.0	134.5	152.5	164.9	157.6
67.5°	33.0	35.3	42.1	52.6	65.8	81.0	98.8	119.1	138.5	157.2	155.4
65°	28.5	30.3	34.5	41.2	50.0	61.1	75.1	92.6	113.6	135.0	138.0
62.5°	25.0	26.7	29.5	33.4	38.4	44.9	55.1	69.7	86.8	101.6	109.1
60°	22.1	23.1	24.9	27.3	30.5	34.6	41.6	51.0	62.8	75.0	82.8
57.5°	20.3	21.1	21.9	23.0	24.5	27.5	31.7	36.9	46.4	54.2	60.8
55°	18.6	19.5	20.3	20.8	21.3	22.9	25.1	28.7	34.3	38.9	46.7
52.5°	18.7	19.3	19.9	20.5	20.9	20.9	21.1	23.6	27.1	32.1	36.6
50°	18.9	19.5	20.1	20.7	21.1	21.0	20.9	21.0	24.1	27.9	31.7
47.5°	21.1	21.4	20.9	21.2	23.2	22.0	21.7	23.2	26.1	26.2	29.6
45°	27.8	28.7	25.8	29.4	31.0	29.9	25.5	31.2	32.9	32.2	29.0
42.5°	46.5	46.5	44.0	51.4	53.7	50.0	45.3	49.9	47.9	43.1	48.5
40°	80.8	77.5	80.4	88.4	90.8	84.9	86.5	80.7	75.3	63.5	82.6
37.5°	135.1	130.5	138.2	141.1	140.8	143.4	142.5	130.4	113.6	123.3	138.2
35°	217.0	211.7	220.2	216.4	207.8	229.6	222.7	195.8	182.3	197.5	207.4
32.5°	359.9	353.8	340.7	324.3	334.2	344.4	330.2	290.4	296.1	296.0	285.2
30°	581.7	555.0	508.8	510.9	529.3	499.9	462.7	476.7	456.9	416.3	376.4
27.5°	945.5	845.3	771.5	817.5	796.8	727.0	738.4	717.7	651.1	576.0	521.7
25°	1518.0	1346.1	1309.1	1283.4	1182.1	1161.0	1167.0	1069.9	912.3	803.1	877.3
22.5°	2302.7	2254.6	2109.0	1886.4	1932.9	1905.2	1742.5	1521.2	1357.2	1476.0	1381.3
20°	3827.7	3653.9	3234.5	3326.1	3318.6	2840.7	2462.4	2492.4	2587.3	2380.2	2014.4
17.5°	6957.3	6102.9	5801.0	5862.0	5322.7	4346.6	4349.6	4396.0	4070.9	3466.3	2756.1
15°	11547.8	10736.6	10065.5	9233.0	8254.8	7635.5	7119.2	6636.0	5807.9	4773.5	3836.0
12.5°	17884.3	16270.6	14787.0	13480.4	12364.6	11304.4	10287.8	9199.0	7850.1	6559.8	5478.2
10°	24436.5	22069.9	20093.6	18236.5	16569.0	15072.8	13462.6	11804.8	10109.4	8501.8	7120.7
7.5°	30504.4	27825.2	25343.5	22751.5	20327.6	18305.4	16373.7	14378.5	12334.7	10423.7	8747.8
5°	35689.2	32373.9	29264.1	26302.0	23632.0	21390.6	19219.2	16909.2	14500.6	12302.5	10337.4
2.5°	39175.8	35857.0	32705.5	29518.6	26499.4	23938.7	21451.3	18807.9	16022.2	13430.6	11214.0
0°	41570.5	37870.8	34484.2	30984.8	27786.0	25273.6	22778.0	20098.7	17171.1	14327.0	12017.1
-2.5°	40440.9	36906.0	33750.5	30379.2	27218.9	24680.3	22249.5	19812.7	16941.1	14229.5	12001.9
-5°	38239.1	34773.6	31638.6	28484.6	25562.5	23235.5	21054.5	18904.3	16331.6	13919.6	11895.8
-7.5°	34732.8	31900.1	29162.3	26261.9	23556.6	21386.3	19374.3	17347.4	15082.4	12935.4	11090.1
-10°	30700.4	28310.3	25920.7	23448.9	21279.3	19411.2	17589.8	15737.8	13768.6	11891.0	10240.9
-12.5°	26768.0	24700.8	22550.2	20429.1	18770.2	17296.4	15800.2	14159.6	12416.3	10802.2	9372.1
-15°	22699.2	21427.2	19839.0	17971.2	16365.5	15247.2	14082.4	12744.1	11240.7	9770.1	8501.3
-17.5°	20260.7	18793.1	17487.9	16155.3	14775.0	13415.9	12485.8	11426.5	10202.8	8963.6	7826.7
-20°	18203.6	17041.9	15796.0	14651.2	13528.7	12380.0	11229.6	10205.0	9232.1	8222.2	7267.8



REPORT NUMBER: P1306347 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-50-70-7F-CV5-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16553.2	15571.6	14525.3	13410.2	12400.1	11433.1	10411.8	9343.4	8316.8	7499.2	6708.8
-25°	15194.2	14290.3	13409.7	12466.1	11455.6	10514.7	9626.6	8699.5	7748.7	6844.2	6164.0
-27.5°	14016.2	13248.1	12425.1	11584.1	10688.3	9761.4	8918.8	8090.5	7249.0	6435.2	5676.8
-30°	13008.8	12331.5	11585.9	10795.9	9999.6	9156.6	8303.2	7553.1	6804.7	6060.2	5353.0
-32.5°	12136.7	11543.8	10856.4	10107.7	9362.8	8612.0	7838.2	7050.2	6374.8	5720.1	5071.5
-35°	11408.5	10834.5	10171.7	9482.5	8800.0	8106.0	7378.4	6657.2	5990.6	5381.6	4785.7
-37.5°	10629.6	10105.9	9494.9	8864.4	8250.5	7608.5	6930.0	6268.0	5631.5	5062.0	4518.9
-40°	9816.6	9324.3	8812.3	8245.8	7673.9	7099.9	6478.3	5862.2	5291.0	4746.5	4246.6
-42.5°	9005.1	8570.6	8117.6	7600.1	7076.7	6558.9	6011.7	5461.0	4937.8	4442.0	3975.7
-45°	8207.3	7813.6	7395.3	6969.5	6499.2	6024.8	5543.2	5061.6	4590.2	4133.8	3691.9
-47.5°	7432.8	7088.4	6730.4	6364.6	5935.7	5501.7	5092.3	4670.7	4235.6	3811.8	3421.3
-50°	6692.0	6403.3	6089.1	5753.7	5385.6	5007.0	4641.8	4266.7	3875.3	3505.1	3143.7
-52.5°	6020.0	5751.5	5462.5	5157.8	4858.5	4534.9	4195.7	3869.7	3531.9	3192.4	2867.1
-55°	5337.9	5114.3	4873.6	4627.3	4372.5	4069.8	3770.0	3476.4	3178.8	2869.7	2596.7
-57.5°	4697.9	4516.7	4304.4	4083.3	3854.8	3601.9	3340.3	3075.0	2827.2	2572.9	2326.9
-60°	4063.2	3908.9	3732.2	3548.0	3357.3	3143.7	2925.7	2707.1	2488.7	2283.0	2074.7
-62.5°	3467.7	3336.2	3192.1	3048.0	2894.0	2723.8	2536.5	2359.3	2182.9	2004.0	1832.2
-65°	2943.9	2838.3	2716.9	2597.3	2469.8	2333.6	2178.7	2033.2	1891.8	1746.9	1596.6
-67.5°	2494.5	2398.9	2295.7	2193.9	2095.1	1981.8	1860.5	1736.6	1621.4	1502.3	1376.4
-70°	2158.7	2076.0	1987.3	1890.4	1792.0	1690.3	1592.1	1492.3	1384.4	1284.5	1189.2
-72.5°	1927.4	1843.4	1755.1	1663.1	1563.8	1470.1	1387.3	1307.2	1219.9	1125.0	1034.2
-75°	1729.6	1651.4	1573.8	1492.3	1409.5	1325.7	1240.2	1158.4	1078.9	1002.1	924.9
-77.5°	1477.1	1409.0	1339.3	1267.5	1200.0	1137.6	1077.7	1006.1	928.4	855.1	783.0
-80°	1114.6	1065.2	1016.2	968.5	921.0	874.1	826.2	770.8	718.4	665.4	607.7
-82.5°	708.8	685.9	661.4	632.7	602.6	571.4	538.5	500.0	461.8	424.3	387.0
-85°	349.1	342.7	335.2	323.1	310.2	296.5	282.0	265.4	248.4	231.0	213.3
-87.5°	127.8	126.2	124.3	120.5	116.6	112.6	108.6	104.0	99.3	94.4	89.4
-90°	5.3	5.8	6.3	6.8	7.3	7.8	8.3	8.3	8.3	8.3	8.3



REPORT NUMBER: P1306347 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-50-70-7F-CV5-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	21.4	19.9	18.3	16.7	16.2	15.7	15.1	14.6	14.1	13.6	13.0
87.5°	14.0	15.1	16.0	16.7	15.6	14.6	13.6	12.7	12.9	13.0	12.9
85°	26.1	25.7	25.6	25.7	23.5	20.8	18.9	17.2	17.5	17.6	17.4
82.5°	44.2	40.9	38.4	36.5	35.3	33.4	30.6	27.1	24.1	22.5	22.0
80°	72.5	64.7	57.5	51.3	47.8	46.0	43.7	39.9	33.6	29.0	26.3
77.5°	97.5	87.7	78.6	69.3	61.5	55.8	52.3	50.0	42.7	35.3	30.2
75°	119.2	107.0	95.3	84.0	73.4	64.8	58.0	53.0	46.9	40.9	33.9
72.5°	134.1	121.4	109.5	96.8	82.8	71.4	62.5	55.8	49.2	42.9	36.8
70°	144.7	132.8	119.9	105.3	90.7	76.9	65.6	57.9	51.4	44.7	38.3
67.5°	151.2	137.8	125.5	112.3	97.2	82.2	68.2	59.8	53.1	46.4	39.6
65°	135.1	132.3	128.2	114.1	100.7	87.0	72.0	62.1	54.6	47.8	40.9
62.5°	114.7	117.1	115.0	111.6	101.3	88.2	75.8	65.7	56.4	49.0	42.0
60°	89.5	96.1	100.4	99.5	96.4	87.9	76.9	69.0	59.1	50.2	43.0
57.5°	69.4	75.8	82.8	86.8	86.2	82.9	77.4	70.2	61.5	52.0	44.1
55°	52.6	60.2	67.5	73.3	75.9	74.4	75.5	70.4	63.2	53.7	45.5
52.5°	42.3	48.5	55.2	61.7	65.9	67.3	70.3	70.4	63.2	55.1	47.4
50°	35.7	42.8	47.3	52.2	57.3	61.7	65.6	67.0	63.1	56.0	49.4
47.5°	35.8	42.6	45.4	45.9	50.1	56.6	61.4	63.6	62.9	55.8	51.4
45°	43.3	48.1	48.3	46.9	46.1	53.6	57.6	60.6	60.5	57.0	53.5
42.5°	58.2	62.0	57.7	49.9	54.8	52.7	54.3	57.8	58.3	58.6	55.1
40°	89.5	84.1	72.7	71.7	72.2	53.9	54.7	55.3	56.9	60.0	56.6
37.5°	130.2	118.6	99.2	105.8	98.4	75.8	56.9	53.3	58.4	61.1	58.2
35°	195.0	164.7	153.6	152.7	136.9	103.1	60.4	53.6	60.9	62.7	60.0
32.5°	272.4	245.4	233.9	209.2	182.3	135.8	78.9	64.2	64.9	64.9	61.9
30°	373.6	385.3	331.3	271.8	235.1	178.9	118.1	77.3	70.2	67.4	63.8
27.5°	575.0	556.2	451.1	360.2	294.0	232.4	185.0	92.9	76.8	71.0	65.8
25°	840.3	762.7	616.8	465.6	356.7	394.0	269.1	112.5	87.8	76.0	68.0
22.5°	1198.3	1007.2	803.2	580.5	600.7	598.8	385.5	176.5	101.8	81.8	70.4
20°	1614.9	1285.1	1081.9	1004.1	906.2	817.9	542.3	249.4	117.0	88.1	73.0
17.5°	2101.9	1891.8	1780.9	1521.8	1259.6	1057.1	722.4	329.6	133.0	94.8	75.7
15°	3273.9	2909.9	2558.8	2092.9	1641.9	1312.6	920.7	414.8	149.5	101.9	83.3
12.5°	4623.4	3974.5	3397.0	2704.9	2045.9	1580.2	1131.6	502.8	166.4	118.2	97.5
10°	5999.5	5070.8	4278.0	3344.3	2463.5	1855.1	1348.9	601.2	206.0	142.1	112.1
7.5°	7383.5	6182.6	5182.1	3996.2	2875.2	2124.0	1579.1	718.4	249.7	166.4	127.0
5°	8644.3	7121.0	5915.8	4520.4	3218.4	2377.9	1802.1	831.0	293.4	190.7	141.9
2.5°	9393.5	7762.4	6511.3	5000.1	3543.5	2621.0	2010.1	936.1	336.4	214.6	156.7
0°	10080.7	8359.2	7061.3	5442.0	3845.7	2850.4	2197.3	1030.8	377.7	237.9	171.1
-2.5°	10026.5	8370.0	7047.6	5507.9	3981.9	2970.1	2278.4	1146.8	492.4	321.1	225.9
-5°	9910.9	8330.9	6988.4	5531.7	4089.2	3071.1	2335.8	1249.7	603.3	402.1	279.4
-7.5°	9399.3	8025.0	6795.5	5491.1	4166.7	3151.5	2372.0	1339.7	708.7	479.7	330.7
-10°	8772.6	7547.9	6420.6	5226.8	4050.4	3142.8	2379.6	1417.1	807.5	552.8	379.2
-12.5°	8124.7	7052.3	6032.4	4943.6	3886.5	3055.9	2305.7	1448.6	894.6	620.4	424.0
-15°	7466.7	6546.6	5640.5	4648.4	3710.3	2957.4	2225.5	1455.4	947.5	675.6	464.5
-17.5°	6844.1	6038.7	5253.6	4347.8	3525.4	2849.1	2143.1	1455.6	993.7	717.8	499.6
-20°	6404.4	5619.0	4877.7	4047.7	3335.2	2732.6	2062.2	1450.4	1032.6	754.9	530.1



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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°	5967.0	5265.5	4554.7	3796.0	3159.4	2609.5	1986.2	1440.9	1064.1	786.7	556.2
-25°	5526.2	4907.5	4251.5	3596.2	3006.0	2491.4	1935.3	1428.1	1087.8	813.0	577.8
-27.5°	5114.3	4554.3	3961.2	3395.7	2871.3	2390.8	1903.7	1447.7	1107.4	833.4	594.4
-30°	4717.5	4235.4	3721.0	3206.1	2730.9	2290.7	1872.6	1459.2	1126.9	849.8	606.0
-32.5°	4446.5	3943.2	3497.7	3042.8	2603.0	2185.7	1813.4	1460.7	1138.9	860.6	616.4
-35°	4235.5	3725.2	3284.6	2876.7	2477.5	2092.9	1740.0	1452.2	1143.2	864.5	623.1
-37.5°	4004.9	3535.7	3101.8	2719.7	2347.4	1992.0	1676.0	1404.7	1139.9	861.5	625.0
-40°	3779.5	3337.6	2932.1	2573.3	2224.2	1883.3	1604.9	1355.1	1129.3	851.4	622.1
-42.5°	3536.4	3135.1	2764.2	2423.1	2097.3	1796.8	1528.7	1298.5	1083.5	840.0	614.2
-45°	3297.5	2925.4	2588.1	2272.5	1968.2	1703.8	1457.9	1235.4	1028.7	825.0	602.2
-47.5°	3048.2	2718.3	2407.4	2111.7	1857.3	1606.8	1379.4	1168.3	969.4	803.0	586.4
-50°	2808.0	2506.6	2222.4	1963.8	1730.9	1510.5	1294.6	1095.8	914.5	755.4	565.3
-52.5°	2570.0	2296.0	2043.5	1812.7	1605.3	1405.8	1207.4	1018.9	854.7	705.1	539.2
-55°	2331.9	2089.8	1864.9	1663.7	1475.1	1297.7	1114.4	944.6	790.1	652.0	508.4
-57.5°	2102.6	1882.1	1693.8	1514.5	1343.2	1181.8	1020.5	864.8	724.4	595.9	475.8
-60°	1874.5	1694.9	1524.3	1362.3	1207.7	1064.1	923.3	782.3	656.0	538.2	432.4
-62.5°	1665.2	1504.8	1351.1	1205.6	1073.1	946.7	822.5	700.3	584.5	483.6	384.7
-65°	1456.2	1314.2	1173.4	1056.7	940.8	830.5	725.2	614.9	519.0	427.4	338.4
-67.5°	1249.2	1137.7	1016.8	909.2	818.8	726.0	626.2	538.0	454.1	369.8	298.0
-70°	1088.0	978.6	875.8	791.1	709.2	624.0	544.1	464.2	387.7	323.4	256.9
-72.5°	950.7	861.0	764.7	678.9	613.4	542.2	465.2	392.9	335.9	276.7	215.1
-75°	839.9	749.4	665.4	593.9	529.5	460.1	392.9	336.3	283.8	229.2	177.8
-77.5°	705.9	634.4	569.0	498.2	432.2	373.7	323.2	279.2	229.8	182.7	141.1
-80°	541.9	480.0	422.3	369.7	323.9	284.2	248.2	211.7	171.3	135.2	103.4
-82.5°	345.0	310.8	279.7	250.3	222.3	194.5	167.0	139.6	111.5	86.5	71.4
-85°	194.2	176.0	158.7	142.3	123.1	104.1	92.4	81.4	71.0	61.2	52.1
-87.5°	85.6	81.5	77.3	72.9	66.3	60.0	53.9	48.1	42.6	37.4	32.6
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	12.5	12.0	11.5	10.9	10.4	9.4	8.3
87.5°	12.6	11.6	10.7	9.9	9.2	8.7	8.3
85°	16.9	14.8	13.0	11.4	10.1	9.0	8.3
82.5°	21.2	18.1	15.3	13.0	11.0	9.4	8.3
80°	25.1	21.3	17.6	14.5	11.9	9.8	8.3
77.5°	27.1	23.7	19.9	16.0	12.8	10.1	8.3
75°	28.9	24.7	21.8	17.5	13.7	10.5	8.3
72.5°	30.6	25.7	22.1	19.0	14.5	10.8	8.3
70°	32.2	26.5	22.4	20.1	15.3	11.1	8.3
67.5°	33.4	27.2	22.7	20.0	16.1	11.5	8.3
65°	34.6	28.1	22.8	19.9	16.8	11.8	8.3
62.5°	35.8	29.2	22.9	19.7	17.6	12.1	8.3
60°	37.0	30.3	22.8	19.5	18.2	12.4	8.3
57.5°	38.4	31.4	23.7	19.2	18.1	12.6	8.3
55°	39.8	32.5	24.7	18.9	17.9	12.9	8.3
52.5°	41.4	33.6	25.6	18.5	17.8	13.1	8.3
50°	42.9	35.0	26.4	18.1	17.6	13.4	8.3
47.5°	44.6	36.5	27.2	17.8	17.5	13.6	8.3
45°	46.3	37.9	28.0	18.4	17.5	13.8	8.3
42.5°	48.1	39.4	28.8	19.0	17.4	14.0	8.3
40°	49.8	40.8	29.7	19.9	17.4	14.2	8.3
37.5°	51.5	42.3	30.8	21.0	17.4	14.3	8.3
35°	53.2	43.6	31.9	22.1	17.4	14.4	8.3
32.5°	54.7	44.9	32.9	23.2	17.4	14.6	8.3
30°	56.2	46.1	33.8	24.3	17.5	14.7	8.3
27.5°	57.6	47.3	35.9	25.5	17.5	14.7	8.3
25°	59.1	48.4	38.2	26.6	17.6	14.8	8.3
22.5°	60.6	50.2	40.4	27.7	17.7	14.9	8.3
20°	62.1	54.2	42.7	28.7	17.8	14.9	8.3
17.5°	67.4	58.3	44.9	29.8	18.0	14.9	8.3
15°	75.5	62.6	47.1	30.8	18.1	14.9	8.3
12.5°	84.0	66.9	49.3	31.7	18.2	14.9	8.3
10°	92.7	71.2	51.3	32.6	18.3	14.9	8.3
7.5°	101.6	75.5	53.3	33.4	18.5	14.8	8.3
5°	110.4	79.7	55.1	34.2	18.6	14.8	8.3
2.5°	119.0	83.8	56.8	34.9	18.7	14.7	8.3
0°	127.3	87.6	58.4	35.5	18.8	14.6	8.3
-2.5°	160.5	106.6	68.2	39.8	20.3	14.9	8.3
-5°	192.9	125.1	77.8	44.0	21.7	15.2	8.3
-7.5°	223.9	142.9	86.9	48.0	23.1	15.5	8.3
-10°	253.2	159.7	95.5	51.8	24.4	15.8	8.3
-12.5°	280.3	175.2	103.5	55.3	25.7	16.0	8.3
-15°	304.9	189.4	110.8	58.5	26.8	16.2	8.3
-17.5°	326.6	202.0	117.3	61.3	28.0	16.4	8.3
-20°	346.9	212.8	122.9	63.7	29.0	16.6	8.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	367.5	221.7	127.5	65.7	29.9	16.7	8.3
-25°	385.0	233.0	131.0	67.3	30.7	16.8	8.3
-27.5°	399.3	243.9	133.4	68.3	31.3	16.9	8.3
-30°	410.2	252.5	135.0	68.9	31.9	17.0	8.3
-32.5°	417.6	258.5	139.4	68.9	32.3	17.0	8.3
-35°	423.4	261.9	142.1	68.3	32.6	17.0	8.3
-37.5°	426.3	263.5	143.3	67.2	32.7	17.0	8.3
-40°	425.2	264.1	142.7	65.6	32.7	16.9	8.3
-42.5°	420.2	261.9	141.6	64.0	32.5	16.8	8.3
-45°	411.3	257.0	140.3	62.9	32.2	16.6	8.3
-47.5°	398.5	249.4	137.5	61.0	31.7	16.4	8.3
-50°	384.4	239.2	133.3	60.4	31.1	16.2	8.3
-52.5°	367.0	226.3	127.6	59.8	30.3	16.0	8.3
-55°	345.9	214.8	120.5	58.5	29.4	15.7	8.3
-57.5°	321.2	201.9	112.0	56.7	28.4	15.4	8.3
-60°	294.0	187.0	102.5	54.2	27.2	15.1	8.3
-62.5°	269.9	170.1	96.2	51.2	26.2	14.7	8.3
-65°	243.1	151.3	89.0	47.7	25.1	14.3	8.3
-67.5°	213.9	134.3	80.8	43.7	23.9	13.9	8.3
-70°	182.5	119.3	71.8	39.2	22.6	13.4	8.3
-72.5°	157.0	103.0	62.1	35.9	21.3	13.0	8.3
-75°	131.1	85.7	51.7	32.7	19.8	12.5	8.3
-77.5°	103.9	67.5	44.7	29.3	18.4	12.0	8.3
-80°	75.5	54.4	38.4	25.8	16.8	11.5	8.3
-82.5°	58.9	44.1	31.8	22.2	15.3	11.0	8.3
-85°	43.7	33.5	25.1	18.5	13.7	10.4	8.3
-87.5°	28.1	22.8	18.3	14.7	12.0	9.9	8.3
-90°	8.3	8.3	8.3	8.3	8.3	8.3	8.3

(END OF REPORT)