

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: P1306320 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-80-5S-VHE-A**

Issue Date: 2/3/2026

Test Information

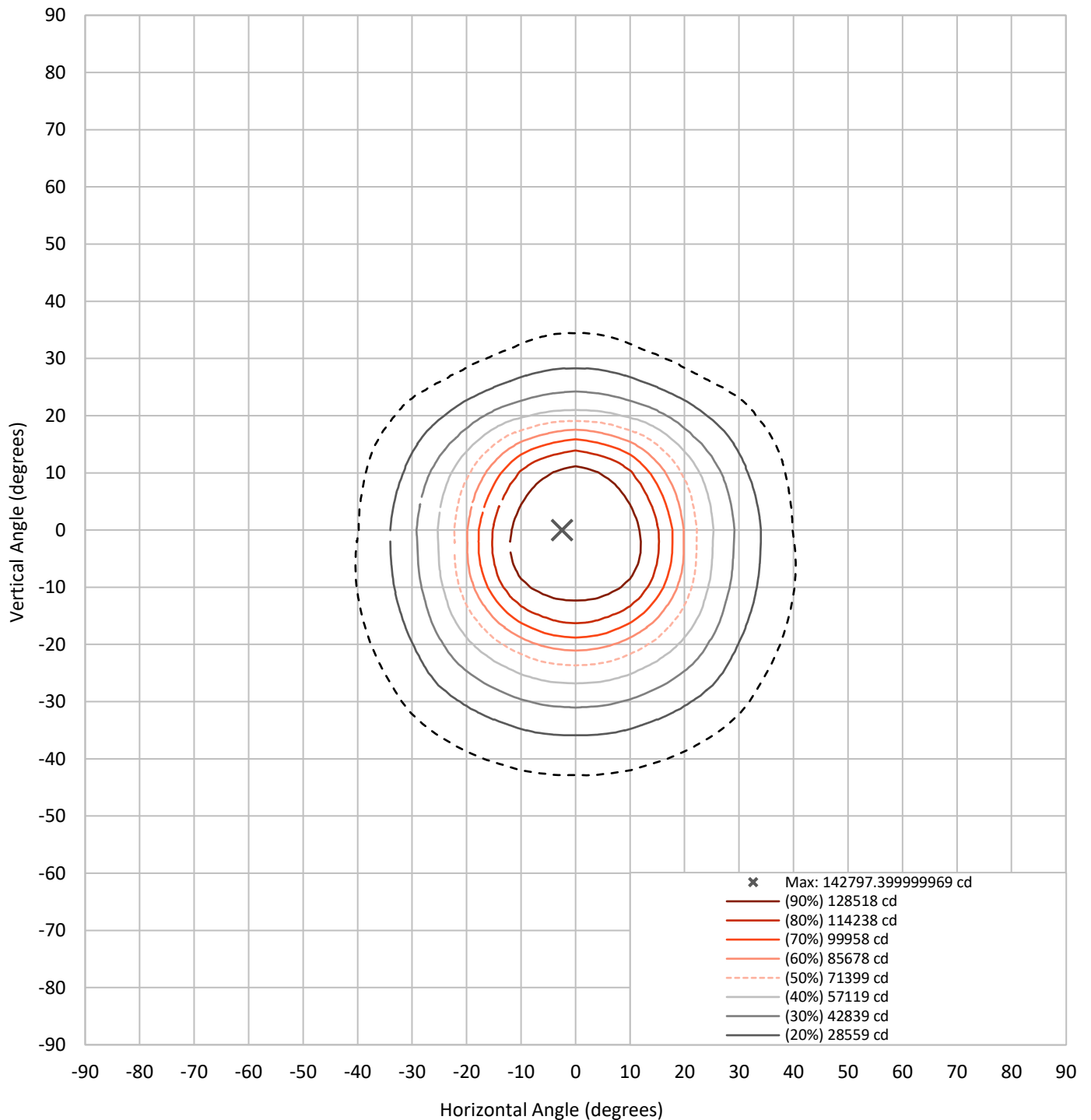
Test Method: LM-79-08
Report Number: P1306320 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-5)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680N-40-80-5S-VHE-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	92980.5 lumens	Max Intensity:	142797.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	135.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	44.5°H x 42.5°V	Field Angle (10%):	79.6°H x 77.3°V
Beam Lumens:	51055.1 lumens	Field Lumens:	85437.7 lumens
Beam Efficiency:	54.9%	Field Efficiency:	91.9%
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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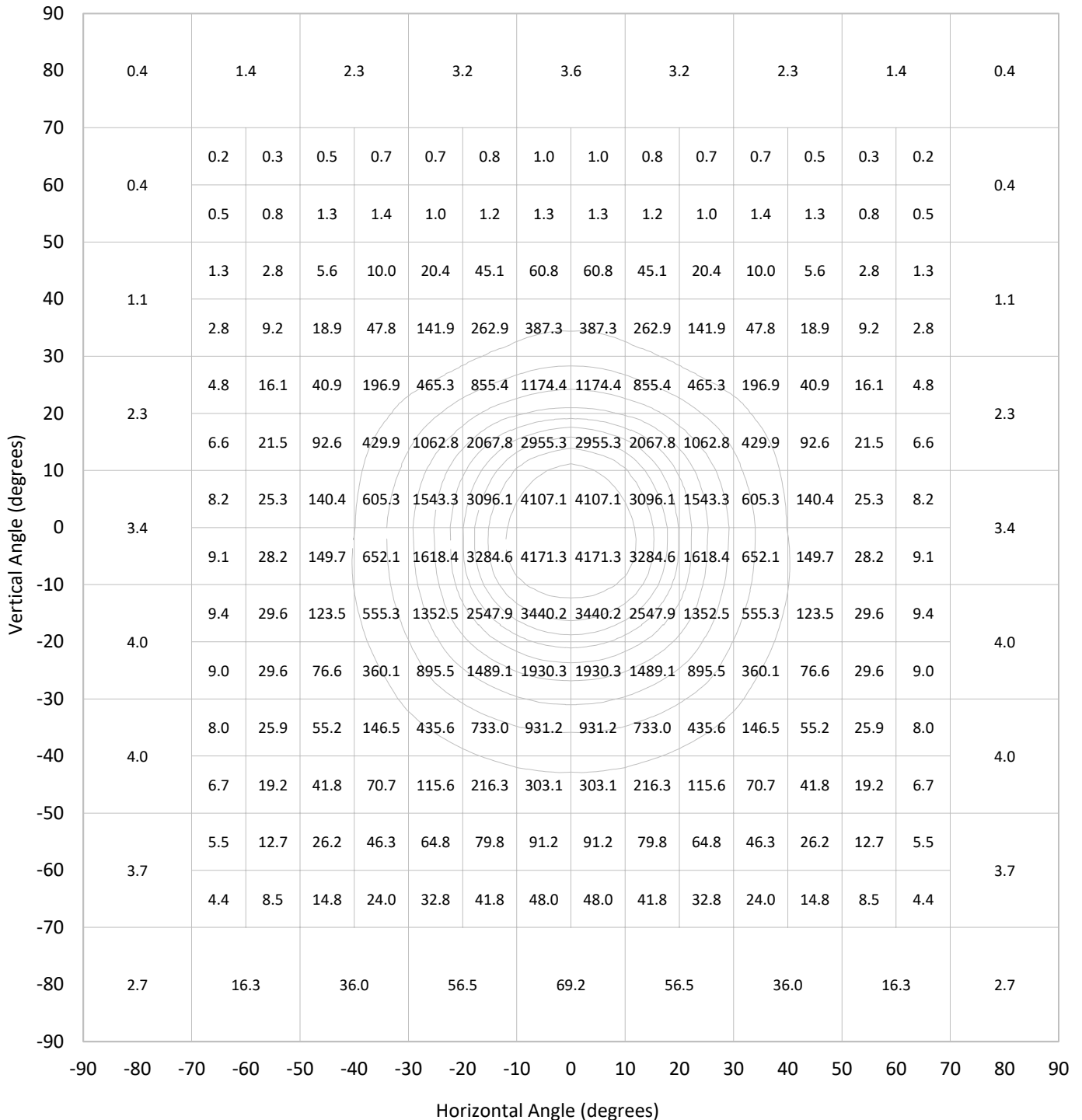
Iso-Candela Plot





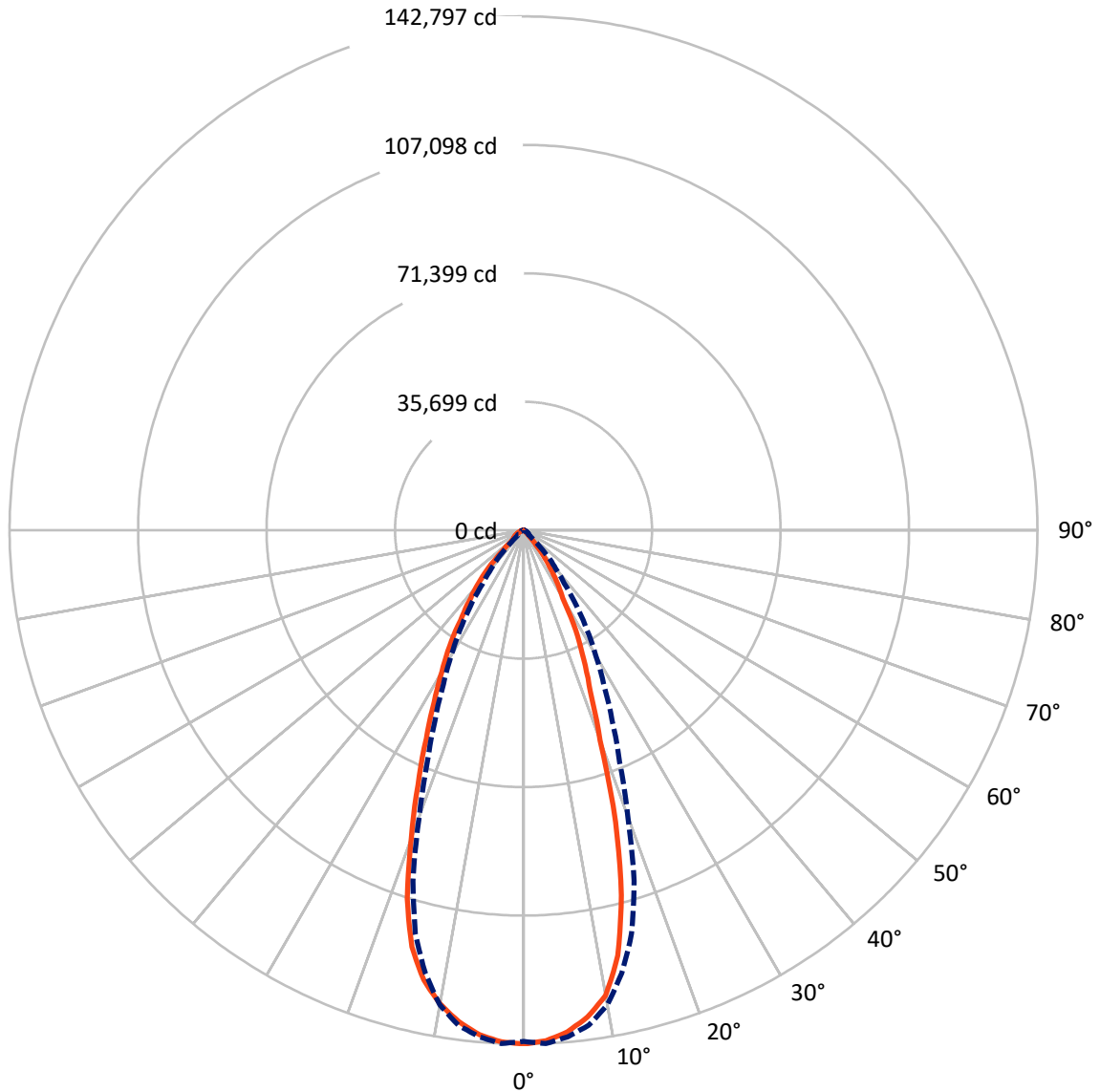
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Lumen Table



REPORT NUMBER: P1306320 (CONVERTED FROM TYPE C PHOTOMETRY)
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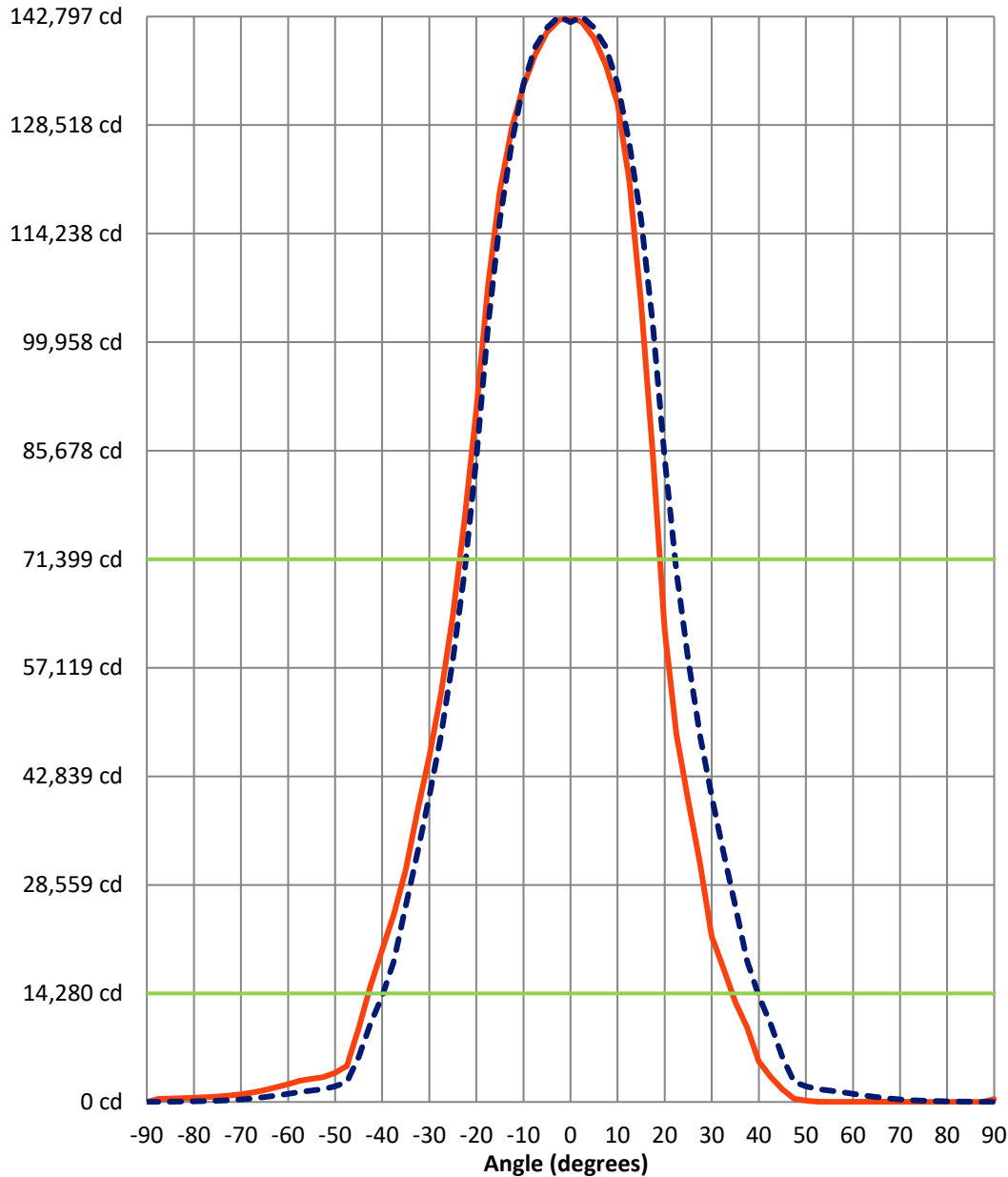
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 44.5°
 V Angle: 42.5°
 Lumens: 51055.1
 Efficiency: 54.9%

Field:
 H Angle: 79.6°
 V Angle: 77.3°
 Lumens: 85437.7
 Efficiency: 91.9%

Spill:
 Lumens: 7542.8
 Efficiency: 8.1%

— 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°	12.3	24.1	35.9	59.4	83.0	104.9	126.8	144.8	162.7	175.6	188.5
87.5°	12.3	11.4	10.4	10.5	10.5	10.6	10.7	10.2	9.8	9.6	9.5
85°	12.3	11.7	10.7	10.8	10.9	11.1	11.2	10.9	10.5	10.3	9.9
82.5°	12.3	11.9	11.0	11.2	11.3	11.5	11.8	11.6	11.3	10.9	10.4
80°	12.3	12.2	11.3	11.6	11.6	12.0	12.4	12.3	12.1	11.6	11.0
77.5°	12.3	12.5	11.7	11.9	12.0	12.6	13.0	13.0	12.9	12.4	11.5
75°	12.3	12.7	12.0	12.3	12.5	13.3	13.6	13.7	13.7	13.0	12.1
72.5°	12.3	13.0	12.4	12.7	13.3	14.1	14.3	14.4	14.2	13.5	12.7
70°	12.3	13.2	12.7	13.1	14.1	14.9	15.1	15.2	14.9	14.0	13.8
67.5°	12.3	13.5	13.1	13.8	14.9	15.7	16.1	16.1	15.6	15.3	15.0
65°	12.3	13.8	13.5	14.4	15.7	16.6	17.1	17.1	17.1	16.7	16.7
62.5°	12.3	14.0	14.0	15.1	16.5	17.6	18.1	18.6	18.8	18.5	19.4
60°	12.3	14.3	14.4	15.8	17.4	18.5	19.2	20.3	20.5	22.3	22.5
57.5°	12.3	14.6	15.1	16.4	18.5	19.5	21.3	22.2	25.3	27.0	28.7
55°	12.3	14.9	15.9	17.1	19.7	20.5	23.8	24.6	31.3	33.4	37.0
52.5°	12.3	15.1	16.7	17.7	21.0	21.7	26.5	30.9	38.0	43.5	46.3
50°	12.3	15.4	17.6	18.3	22.4	24.8	29.4	37.8	46.2	54.3	59.7
47.5°	12.3	15.7	18.5	19.1	23.9	28.1	32.9	44.8	56.7	65.7	74.9
45°	12.3	16.0	19.4	20.3	25.5	31.6	39.1	51.9	67.4	80.2	90.8
42.5°	12.3	16.3	20.4	21.6	27.2	35.2	45.3	60.6	78.5	95.4	114.9
40°	12.3	16.5	21.4	23.5	29.6	38.9	51.9	70.5	90.7	111.2	141.8
37.5°	12.3	16.8	22.5	25.7	32.6	42.8	59.1	80.6	105.0	130.0	170.1
35°	12.3	17.1	23.6	28.0	35.6	48.0	66.3	90.9	119.6	155.6	202.8
32.5°	12.3	17.4	24.7	30.4	38.6	53.8	74.1	101.6	134.6	181.7	240.0
30°	12.3	17.6	25.9	32.7	41.6	59.4	83.1	113.0	149.9	208.2	276.6
27.5°	12.3	17.9	27.0	35.2	45.7	65.1	91.9	125.4	167.1	235.0	312.4
25°	12.3	18.1	28.2	37.6	49.9	70.6	100.5	137.3	187.0	263.7	347.5
22.5°	12.3	18.4	29.4	40.1	54.0	76.2	108.9	148.6	205.7	288.5	384.6
20°	12.3	18.6	30.6	42.5	58.0	82.3	117.0	159.5	223.4	312.0	415.6
17.5°	12.3	18.9	31.8	45.0	61.9	88.2	125.1	169.8	239.8	334.0	444.9
15°	12.3	19.1	33.0	47.4	65.6	93.8	132.8	179.8	254.9	354.6	472.7
12.5°	12.3	19.3	34.1	49.8	69.3	99.1	140.2	189.6	270.2	373.5	498.7
10°	12.3	19.5	35.3	52.1	72.8	104.1	147.1	198.8	285.4	395.8	526.3
7.5°	12.3	19.7	36.4	54.3	76.2	108.9	153.4	207.4	299.4	417.4	559.2
5°	12.3	19.9	37.4	56.5	79.4	113.3	159.3	215.3	312.2	437.4	590.1
2.5°	12.3	20.0	38.4	58.6	82.4	117.4	164.6	222.5	323.5	455.5	618.6
0°	12.3	20.2	39.3	60.6	85.3	121.2	169.4	228.9	333.3	471.3	644.1
-2.5°	12.3	21.0	41.0	63.3	89.3	126.7	176.6	238.2	344.7	484.7	657.3
-5°	12.3	21.7	42.6	65.8	93.0	131.9	183.3	246.6	354.4	495.5	667.0
-7.5°	12.3	22.5	44.1	68.2	96.5	136.7	189.3	254.1	362.2	503.7	673.3
-10°	12.3	23.2	45.5	70.5	99.8	141.0	194.6	260.7	368.2	509.2	676.4
-12.5°	12.3	23.9	46.9	72.6	102.9	144.9	199.3	266.2	372.3	512.1	681.1
-15°	12.3	24.5	48.1	74.5	105.6	148.2	203.2	270.6	374.6	512.9	683.6
-17.5°	12.3	25.1	49.3	76.3	108.1	151.1	206.3	274.4	375.1	510.7	680.7
-20°	12.3	25.7	50.3	77.9	110.3	153.5	209.2	277.7	373.7	505.5	672.2



REPORT NUMBER: P1306320 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	12.3	26.3	51.3	79.4	112.2	155.3	212.0	279.9	370.4	497.1	658.8
-25°	12.3	26.8	52.1	80.6	113.7	157.5	214.1	281.1	365.2	485.6	647.0
-27.5°	12.3	27.3	52.8	81.7	115.0	159.6	215.4	281.3	358.0	477.9	638.4
-30°	12.3	27.7	53.4	82.6	116.0	161.1	215.8	280.5	354.9	471.7	624.9
-32.5°	12.3	28.1	53.9	83.3	117.9	162.1	215.3	279.8	354.7	462.2	606.3
-35°	12.3	28.4	54.3	83.8	119.6	162.6	215.4	278.8	352.6	449.5	582.4
-37.5°	12.3	28.7	54.5	84.1	120.9	163.1	215.4	277.1	348.9	433.6	560.8
-40°	12.3	29.0	54.6	84.2	121.9	164.4	214.7	274.2	343.3	423.9	539.9
-42.5°	12.3	29.2	54.6	84.4	122.7	165.2	213.5	270.2	337.9	415.9	515.4
-45°	12.3	29.3	54.5	84.9	123.4	165.6	211.6	266.3	331.9	405.6	489.8
-47.5°	12.3	29.4	54.3	85.1	123.6	165.6	209.0	263.1	324.5	393.2	475.4
-50°	12.3	29.4	53.9	85.2	123.5	165.1	208.1	259.0	315.1	382.0	458.5
-52.5°	12.3	29.4	53.4	85.0	122.9	164.3	206.9	254.0	307.1	368.7	438.0
-55°	12.3	29.4	52.8	84.6	121.9	162.9	205.2	248.5	299.2	353.5	417.4
-57.5°	12.3	29.3	52.1	84.0	120.6	160.9	203.0	245.7	290.2	341.4	395.0
-60°	12.3	29.1	51.3	83.1	118.8	158.4	200.1	241.8	281.3	329.5	373.5
-62.5°	12.3	28.9	50.6	82.0	117.1	155.5	196.4	237.0	275.5	315.8	356.4
-65°	12.3	28.7	49.8	80.7	115.1	152.2	192.1	231.5	269.0	305.2	338.2
-67.5°	12.3	28.4	48.8	79.2	112.8	148.6	187.2	224.8	261.8	295.1	324.2
-70°	12.3	28.1	47.8	77.4	110.2	144.6	181.9	217.6	252.9	284.4	311.4
-72.5°	12.3	27.7	46.6	75.7	107.2	140.1	175.5	209.8	243.3	272.1	298.0
-75°	12.3	27.3	45.3	73.9	104.0	135.1	168.5	200.6	233.1	259.4	283.7
-77.5°	12.3	26.8	44.0	71.9	101.0	129.8	160.9	190.7	221.1	245.8	268.9
-80°	12.3	26.3	42.5	69.7	97.8	124.9	152.8	180.2	208.3	230.2	251.7
-82.5°	12.3	25.8	40.9	67.4	94.4	120.3	146.5	170.4	195.0	214.2	233.3
-85°	12.3	25.3	39.3	64.9	90.8	115.4	140.2	162.1	184.4	200.5	216.5
-87.5°	12.3	24.7	37.6	62.2	87.0	110.3	133.6	153.6	173.7	188.2	202.6
-90°	12.3	11.2	10.1	10.1	10.1	10.1	10.1	9.6	9.0	9.0	9.0



REPORT NUMBER: P1306320 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	196.4	204.2	211.5	218.8	227.8	236.8	246.4	255.9	266.0	276.1	285.6
87.5°	9.0	8.5	8.5	8.5	8.0	7.5	7.1	6.7	6.2	5.6	5.5
85°	9.5	9.0	9.1	9.0	8.6	8.2	7.7	7.2	6.7	6.2	6.2
82.5°	10.2	10.1	9.7	9.1	8.9	8.9	8.5	8.0	7.5	7.1	6.9
80°	10.9	11.2	10.3	9.5	9.3	9.1	8.5	8.0	7.9	7.9	7.5
77.5°	11.4	11.3	10.7	10.1	9.7	9.3	9.0	8.6	8.4	8.0	7.9
75°	11.7	11.4	11.0	10.4	10.0	10.0	9.8	9.5	9.2	9.3	9.3
72.5°	12.4	12.1	11.5	10.6	10.3	10.6	10.6	10.3	10.6	11.0	11.0
70°	13.4	12.9	12.2	11.4	11.0	11.4	11.9	12.7	13.6	13.8	14.8
67.5°	14.5	14.0	13.0	12.4	12.1	12.8	13.5	16.3	18.9	20.3	21.9
65°	16.1	15.4	14.3	14.1	13.5	16.3	18.5	21.4	26.8	29.4	29.2
62.5°	18.1	18.3	16.9	17.2	19.5	22.0	26.0	32.2	38.4	40.8	38.7
60°	22.9	22.2	22.3	23.9	26.3	29.3	35.6	43.2	50.4	54.2	48.4
57.5°	29.4	29.1	30.8	31.8	35.2	36.1	44.5	53.9	60.1	64.8	57.1
55°	38.4	38.7	42.0	43.1	45.5	45.4	52.6	61.5	67.8	70.0	62.0
52.5°	51.0	51.6	57.6	58.4	57.6	58.4	61.0	70.5	75.8	75.9	68.9
50°	64.8	72.0	75.7	78.1	73.8	76.4	74.0	84.6	92.5	91.8	94.3
47.5°	85.3	94.9	100.2	104.1	100.9	109.2	107.4	123.7	129.2	160.1	164.9
45°	109.5	124.9	132.0	140.7	150.4	160.5	186.6	186.7	259.6	288.3	364.0
42.5°	136.7	159.8	179.6	183.2	231.5	259.7	295.3	368.4	439.6	529.0	563.1
40°	172.8	198.4	238.8	284.5	338.2	399.5	465.7	554.4	647.9	694.2	700.0
37.5°	212.8	260.9	317.3	400.1	482.6	563.0	647.0	733.7	801.1	818.2	881.0
35°	255.7	326.3	431.5	526.6	622.6	733.7	808.4	888.3	928.7	999.6	1120.4
32.5°	309.7	393.4	524.2	647.9	754.6	875.5	947.1	1008.2	1103.2	1226.0	1493.0
30°	366.1	469.2	601.4	744.2	875.5	977.0	1058.4	1135.2	1283.9	1580.7	2496.1
27.5°	413.1	534.2	673.2	832.4	982.3	1074.8	1167.1	1301.2	1567.0	2178.6	3914.7
25°	455.3	586.7	743.7	928.5	1075.2	1177.1	1297.3	1486.5	1903.5	3563.4	5788.3
22.5°	496.4	638.5	824.1	1029.4	1169.5	1277.6	1459.6	1801.5	2675.3	5008.9	7682.8
20°	538.9	704.6	911.4	1123.2	1259.7	1366.7	1601.5	2107.4	3896.2	6565.0	9354.6
17.5°	583.3	771.4	996.4	1189.9	1317.6	1460.1	1751.1	2358.2	4915.3	8018.2	11140.9
15°	626.8	835.4	1069.1	1247.4	1370.6	1560.8	1951.9	3098.1	5993.0	9641.0	13050.9
12.5°	668.4	893.5	1125.4	1292.6	1422.8	1654.7	2116.9	3913.3	7288.8	11147.7	14711.4
10°	707.7	945.6	1172.9	1335.3	1479.7	1754.9	2275.8	4711.3	8423.1	12126.8	15736.2
7.5°	748.1	989.0	1212.9	1376.0	1534.5	1849.3	2450.8	5331.2	9270.1	12880.0	16528.0
5°	784.6	1022.3	1251.4	1421.5	1591.0	1933.1	2592.3	5805.2	9905.6	13502.4	17233.2
2.5°	816.5	1048.5	1284.2	1464.5	1646.0	2003.3	2633.1	5937.0	10204.2	13837.2	17926.9
0°	843.9	1068.3	1310.7	1502.6	1695.6	2060.3	2643.9	5913.9	10278.0	13938.6	18602.4
-2.5°	859.4	1093.9	1358.2	1557.4	1740.0	2106.3	2699.8	5922.6	10340.5	14649.1	19471.0
-5°	870.3	1113.0	1397.1	1605.9	1779.3	2138.7	2731.0	5788.1	10256.0	15023.1	19724.9
-7.5°	876.4	1125.1	1425.7	1646.3	1815.0	2162.1	2748.5	5569.1	10260.7	15040.1	19405.5
-10°	879.5	1136.6	1439.2	1669.0	1845.6	2173.4	2740.0	5193.0	9853.4	14633.0	18879.5
-12.5°	890.2	1147.2	1443.9	1685.8	1870.0	2176.0	2752.5	4825.1	9089.3	13891.9	18127.5
-15°	894.3	1149.9	1441.3	1699.6	1909.5	2202.5	2752.9	4253.5	8097.4	12951.4	17181.8
-17.5°	891.5	1144.7	1433.0	1719.6	1945.9	2204.7	2690.4	3503.8	6964.4	11613.5	15936.7
-20°	881.8	1132.8	1415.1	1729.5	1966.8	2223.0	2672.1	3382.0	5854.1	9940.8	14424.8



REPORT NUMBER: P1306320 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	867.7	1114.5	1389.5	1707.7	1990.6	2263.0	2647.1	3220.2	4548.5	8029.9	12553.2
-25°	850.9	1094.1	1362.0	1682.6	2001.6	2288.6	2569.5	3004.0	3781.9	6394.9	10236.7
-27.5°	833.3	1065.3	1332.6	1640.8	1994.9	2276.3	2523.8	2884.2	3433.9	4578.5	7823.1
-30°	811.1	1030.6	1289.5	1586.8	1935.9	2238.8	2495.9	2729.2	3104.6	3792.4	5740.0
-32.5°	783.8	990.0	1241.5	1525.2	1846.8	2193.8	2431.5	2634.2	2920.2	3341.6	4140.7
-35°	753.0	954.1	1188.1	1447.5	1741.2	2080.8	2334.7	2549.1	2742.3	3066.7	3577.7
-37.5°	721.6	909.8	1119.3	1365.4	1644.9	1922.2	2221.9	2435.5	2630.2	2833.8	3197.7
-40°	684.9	854.7	1051.0	1278.5	1515.6	1767.1	2045.1	2312.8	2505.1	2717.3	2935.6
-42.5°	644.7	802.5	977.9	1175.1	1387.9	1614.0	1860.8	2128.9	2386.6	2589.5	2790.1
-45°	612.3	746.0	900.0	1075.7	1258.8	1460.0	1685.1	1919.9	2193.5	2456.2	2641.8
-47.5°	573.2	689.8	831.7	971.0	1136.8	1316.3	1508.5	1731.0	1960.4	2219.1	2472.9
-50°	535.7	642.6	751.8	877.5	1018.1	1175.8	1347.2	1543.1	1755.2	1967.3	2197.4
-52.5°	510.1	591.8	684.9	784.0	906.9	1042.1	1194.0	1360.2	1546.2	1731.4	1931.0
-55°	482.0	552.7	619.6	703.6	800.2	917.5	1049.3	1194.6	1336.5	1505.5	1675.0
-57.5°	454.5	513.2	566.9	631.4	712.1	798.3	918.0	1038.9	1162.1	1293.1	1436.3
-60°	426.7	474.8	521.7	573.8	632.7	709.0	792.3	893.4	994.0	1098.7	1225.3
-62.5°	398.9	438.0	478.3	523.2	573.3	624.8	692.9	766.6	837.1	932.4	1033.4
-65°	376.6	403.5	436.8	476.4	516.7	563.8	611.3	657.4	719.4	791.6	864.8
-67.5°	352.6	377.9	402.3	430.1	466.5	505.4	544.7	586.0	628.0	677.6	731.1
-70°	335.1	353.0	374.7	397.6	421.6	449.7	484.7	519.0	554.3	595.7	638.3
-72.5°	318.5	335.0	351.2	367.2	388.8	412.2	435.3	458.3	487.7	522.9	556.9
-75°	301.6	316.7	331.5	346.2	362.4	379.8	397.9	418.7	441.6	466.0	489.6
-77.5°	284.2	297.6	311.2	324.6	339.5	354.9	370.8	386.7	404.6	423.6	441.9
-80°	265.7	278.2	290.3	302.4	315.8	329.5	343.6	357.8	373.7	390.1	405.3
-82.5°	245.2	256.3	267.7	278.8	291.2	303.5	316.1	328.5	342.5	356.8	369.8
-85°	225.6	234.2	244.2	254.1	265.4	276.6	287.8	298.9	311.8	324.6	335.9
-87.5°	211.1	219.3	227.4	235.5	245.1	254.7	264.4	274.0	285.3	296.6	306.4
-90°	8.5	7.9	7.9	7.9	7.3	6.7	6.7	6.7	6.2	5.6	5.1



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	295.1	301.3	307.5	312.6	317.6	324.3	331.0	340.0	349.0	358.0	367.0
87.5°	5.4	5.0	4.5	4.4	4.4	4.4	4.4	3.9	3.4	3.4	3.4
85°	6.3	6.2	6.1	5.8	5.4	5.4	5.5	5.4	5.5	5.0	4.5
82.5°	6.7	6.7	6.7	6.2	5.6	5.6	5.6	5.6	5.6	5.1	4.5
80°	7.1	7.0	6.7	6.5	6.3	6.0	5.6	5.2	4.7	4.6	4.5
77.5°	8.0	7.7	7.2	7.0	6.8	6.3	5.7	5.1	4.6	4.5	4.5
75°	9.1	8.7	8.5	8.1	7.5	7.2	7.1	6.8	6.4	6.4	6.5
72.5°	10.8	10.7	10.7	11.0	10.9	11.3	11.8	12.2	12.7	13.6	14.6
70°	16.1	17.2	17.8	18.1	18.0	17.8	17.8	18.0	18.6	19.2	19.6
67.5°	23.6	25.4	26.4	26.8	25.0	24.0	24.1	24.6	25.6	27.1	29.3
65°	30.9	30.4	29.5	29.0	29.2	29.3	29.2	29.5	31.0	33.3	36.2
62.5°	36.2	31.3	28.4	27.0	28.0	29.7	28.5	27.6	28.9	30.4	31.8
60°	41.4	32.3	25.9	23.9	23.5	24.3	22.3	20.5	21.1	21.6	22.3
57.5°	46.3	34.6	24.0	20.4	17.2	15.5	15.0	14.3	14.0	13.6	13.7
55°	50.8	37.7	23.5	20.9	18.5	18.0	16.5	15.7	15.0	14.8	15.1
52.5°	56.3	48.5	38.6	35.9	40.4	40.8	36.1	42.9	48.0	50.4	51.3
50°	92.1	82.5	99.0	97.4	116.8	130.4	125.6	140.8	163.5	177.7	183.7
47.5°	202.2	202.6	235.2	264.1	288.1	319.4	343.5	366.7	399.1	419.1	428.2
45°	383.7	416.4	450.5	500.1	547.7	605.7	675.5	730.4	950.5	1169.7	1369.1
42.5°	587.3	623.2	673.1	781.3	909.7	1207.3	1739.2	2036.2	2406.9	2810.3	2965.1
40°	756.8	808.8	945.9	1250.4	1992.1	2698.2	3474.0	4130.0	4710.6	5044.7	5323.8
37.5°	966.1	1090.3	1714.6	2576.5	3498.7	4383.7	5182.7	5875.8	6477.5	6965.5	7448.5
35°	1271.2	2095.7	3018.0	4138.8	5119.0	5939.0	6766.7	7561.0	8243.3	8972.3	10055.3
32.5°	2409.9	3487.5	4673.9	5678.5	6636.5	7671.1	8540.7	9811.8	10807.1	12136.0	14167.0
30°	3868.0	5220.5	6296.2	7301.0	8529.6	9921.6	11373.9	13317.9	15349.2	17468.3	19649.1
27.5°	5740.1	7106.3	8240.3	9580.6	11202.7	13055.2	15831.8	18571.9	21485.3	24135.2	26149.1
25°	7996.7	9443.5	11382.1	13326.8	15648.0	18813.9	21933.4	25290.8	28211.5	30812.0	33723.0
22.5°	10111.6	12483.3	15043.2	17979.0	21759.0	25329.7	29186.6	32584.2	36249.8	39956.1	42822.6
20°	11897.1	14986.7	18658.9	22891.3	27081.2	31126.0	35614.4	41030.1	46487.0	51362.2	54899.9
17.5°	14305.6	18218.4	22789.4	27820.2	32331.0	37343.5	43590.3	50626.9	58273.4	65039.0	70403.6
15°	16937.2	21506.3	26674.8	31946.1	37652.8	44369.4	52401.9	61388.4	70741.7	80228.4	89066.8
12.5°	18726.3	24079.3	29723.3	35991.2	43109.0	52114.4	61868.1	71830.1	82518.9	94322.7	104575.2
10°	20255.7	26194.4	33003.6	40294.2	48473.2	58153.7	68234.5	80334.6	93676.5	105300.6	116281.9
7.5°	21768.4	28746.8	35859.7	43450.8	52436.7	62951.1	74881.8	87895.1	101473.0	114107.5	123087.8
5°	23558.5	30798.2	37910.6	45929.4	55339.7	66276.6	78860.7	93804.3	108110.1	119723.8	127823.5
2.5°	25038.6	32028.8	39311.7	47248.2	56919.5	68338.6	81996.7	98603.4	113282.6	124141.7	131470.9
0°	25792.2	32817.0	40193.1	48258.2	58172.7	69824.3	84725.7	102171.1	116044.7	126076.4	133925.5
-2.5°	25884.0	32566.5	39806.6	47761.2	57451.1	69333.7	84610.1	102261.6	116763.6	127190.1	134934.2
-5°	25616.5	32236.4	39462.7	47422.0	56980.9	69358.2	84696.7	101670.0	115683.1	126483.0	133776.1
-7.5°	24971.4	31630.3	38869.9	46712.1	56120.6	68124.8	82430.7	97815.8	112229.6	123898.9	130626.7
-10°	24026.3	30569.0	37697.0	45204.1	54077.1	65175.6	77969.6	92054.8	106620.0	117777.5	125536.1
-12.5°	22830.9	29023.1	35836.9	42934.4	51311.5	61651.7	73056.3	84850.5	97060.1	109780.3	117861.4
-15°	21458.6	27116.8	33495.0	40630.5	48912.7	57530.0	66589.0	76198.0	87359.6	97764.3	107170.9
-17.5°	20156.5	25029.6	30980.8	37932.9	44985.5	52473.2	60237.0	68082.1	77032.6	85200.1	92506.5
-20°	18520.0	22669.4	28152.7	34330.0	40883.4	47371.2	54039.9	60395.9	66893.6	73541.6	79344.3



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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°	16591.2	20626.4	25201.3	30579.9	36871.5	42645.8	47986.8	52953.9	58162.1	62762.1	67537.6
-25°	14490.0	18369.8	22574.0	27477.1	32307.7	37542.5	41975.4	46199.6	50239.3	53851.3	57564.8
-27.5°	11909.7	16005.6	20149.7	24073.9	28060.1	31818.8	35951.9	39849.2	43218.2	46198.0	49141.2
-30°	9002.8	13350.2	17270.3	20636.6	23796.8	26931.7	30095.9	33366.2	36555.6	39269.1	41679.7
-32.5°	6642.4	10269.1	13892.6	17191.4	19957.3	22548.2	25009.0	27574.7	29805.5	32096.0	34325.3
-35°	4394.7	6958.1	9966.2	13319.8	16200.4	18380.1	20611.3	22656.9	24338.6	26114.3	27797.2
-37.5°	3698.5	4380.7	6393.0	9115.7	11783.7	14290.1	16515.2	18293.6	19841.4	21259.7	22713.2
-40°	3262.5	3651.7	4224.2	5213.4	7457.1	9662.1	11954.5	13844.8	15493.7	16853.4	18191.6
-42.5°	2976.3	3243.4	3528.6	3918.2	4302.1	5382.1	7263.8	8895.5	10442.0	11973.8	13352.6
-45°	2828.1	2977.9	3141.1	3352.9	3517.1	3809.8	4136.7	4443.8	5674.6	7004.6	8118.0
-47.5°	2650.3	2810.1	2932.0	3031.8	3111.7	3240.2	3376.1	3553.6	3838.6	4174.6	4431.0
-50°	2422.9	2616.9	2738.6	2838.6	2896.0	2945.7	2994.6	3105.9	3260.3	3443.5	3588.9
-52.5°	2129.0	2320.9	2493.2	2623.3	2686.7	2748.5	2810.0	2886.5	2974.3	3080.1	3156.0
-55°	1852.0	2012.3	2161.4	2282.7	2392.0	2491.7	2587.5	2668.5	2763.2	2863.9	2934.6
-57.5°	1589.0	1718.5	1840.8	1945.9	2040.5	2124.3	2222.3	2328.8	2449.9	2565.3	2646.5
-60°	1343.3	1446.3	1548.0	1633.3	1710.3	1779.1	1869.7	1958.9	2065.1	2159.7	2228.5
-62.5°	1123.5	1213.5	1288.7	1353.1	1411.1	1468.6	1544.8	1619.5	1706.8	1782.3	1839.5
-65°	933.5	1008.5	1061.5	1109.3	1151.3	1200.3	1259.2	1319.1	1387.8	1446.5	1493.4
-67.5°	787.0	837.8	871.0	900.6	935.5	974.5	1019.0	1066.8	1120.2	1164.5	1200.5
-70°	676.2	707.9	728.1	750.1	775.6	802.6	832.7	868.7	909.3	943.9	973.7
-72.5°	588.5	612.8	629.5	646.5	661.8	680.2	700.5	727.4	757.4	784.4	809.6
-75°	512.5	529.8	545.4	560.2	573.5	589.1	605.3	628.0	652.6	674.9	696.0
-77.5°	461.4	474.8	485.2	495.1	504.8	517.7	531.1	549.4	568.5	587.0	604.8
-80°	420.5	430.8	439.6	446.8	453.5	464.5	475.9	490.9	506.2	522.1	537.9
-82.5°	382.6	391.6	400.0	406.9	413.3	423.2	433.4	446.8	460.3	473.6	486.7
-85°	347.1	355.3	363.2	369.8	376.3	384.3	392.4	403.9	415.5	427.6	439.5
-87.5°	316.1	323.9	331.7	336.9	341.9	349.1	356.3	366.2	376.1	386.5	396.8
-90°	4.5	4.5	4.5	4.0	3.4	3.4	3.4	2.8	2.2	2.2	2.2



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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°	371.5	375.9	378.2	380.4	378.2	375.9	371.5	367.0	358.0	349.0	340.0
87.5°	2.8	2.2	2.2	2.2	2.2	2.2	2.8	3.4	3.4	3.4	3.9
85°	3.9	3.4	3.9	4.5	3.9	3.4	3.9	4.5	5.0	5.5	5.4
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.1	5.6	5.6
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.7	5.2
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	5.1
75°	6.1	5.6	5.6	5.6	5.6	5.6	6.1	6.5	6.4	6.4	6.8
72.5°	15.1	15.4	16.2	16.8	16.2	15.4	15.1	14.6	13.6	12.7	12.2
70°	19.9	20.1	20.2	20.2	20.2	20.1	19.9	19.6	19.2	18.6	18.0
67.5°	30.5	31.0	32.3	33.7	32.3	31.0	30.5	29.3	27.1	25.6	24.6
65°	38.3	39.8	40.3	40.4	40.3	39.8	38.3	36.2	33.3	31.0	29.5
62.5°	33.1	34.6	34.9	34.8	34.9	34.6	33.1	31.8	30.4	28.9	27.6
60°	23.1	23.8	24.2	24.7	24.2	23.8	23.1	22.3	21.6	21.1	20.5
57.5°	13.9	14.7	14.7	14.6	14.7	14.7	13.9	13.7	13.6	14.0	14.3
55°	15.3	15.6	15.3	14.6	15.3	15.6	15.3	15.1	14.8	15.0	15.7
52.5°	50.0	47.4	44.9	42.6	44.9	47.4	50.0	51.3	50.4	48.0	42.9
50°	181.7	178.7	174.4	169.4	174.4	178.7	181.7	183.7	177.7	163.5	140.8
47.5°	436.3	437.3	433.0	425.3	433.0	437.3	436.3	428.2	419.1	399.1	366.7
45°	1542.9	1626.8	1672.1	1703.5	1672.1	1626.8	1542.9	1369.1	1169.7	950.5	730.4
42.5°	3100.5	3218.2	3307.7	3326.1	3307.7	3218.2	3100.5	2965.1	2810.3	2406.9	2036.2
40°	5654.9	5674.6	5346.4	4851.2	5346.4	5674.6	5654.9	5323.8	5044.7	4710.6	4130.0
37.5°	8024.2	8852.1	9814.0	10305.0	9814.0	8852.1	8024.2	7448.5	6965.5	6477.5	5875.8
35°	11516.6	12762.1	13166.2	13176.6	13166.2	12762.1	11516.6	10055.3	8972.3	8243.3	7561.0
32.5°	15998.5	17011.1	17551.9	17405.0	17551.9	17011.1	15998.5	14167.0	12136.0	10807.1	9811.8
30°	20919.9	21800.9	21808.0	21513.3	21808.0	21800.9	20919.9	19649.1	17468.3	15349.2	13317.9
27.5°	28233.7	30095.4	31405.7	31758.8	31405.7	30095.4	28233.7	26149.1	24135.2	21485.3	18571.9
25°	36346.0	38391.9	39649.8	40107.8	39649.8	38391.9	36346.0	33723.0	30812.0	28211.5	25290.8
22.5°	45490.4	47479.5	48387.2	48862.0	48387.2	47479.5	45490.4	42822.6	39956.1	36249.8	32584.2
20°	58272.3	61100.4	62166.5	62622.1	62166.5	61100.4	58272.3	54899.9	51362.2	46487.0	41030.1
17.5°	75977.5	81563.0	85055.4	86848.9	85055.4	81563.0	75977.5	70403.6	65039.0	58273.4	50626.9
15°	95607.9	101278.3	105007.4	107243.4	105007.4	101278.3	95607.9	89066.8	80228.4	70741.7	61388.4
12.5°	112448.4	117503.3	121105.1	123246.3	121105.1	117503.3	112448.4	104575.2	94322.7	82518.9	71830.1
10°	123252.1	127587.1	131323.9	133148.9	131323.9	127587.1	123252.1	116281.9	105300.6	93676.5	80334.6
7.5°	129358.1	134398.7	136424.3	137672.4	136424.3	134398.7	129358.1	123087.8	114107.5	101473.0	87895.1
5°	134090.3	138073.6	139943.5	140856.1	139943.5	138073.6	134090.3	127823.5	119723.8	108110.1	93804.3
2.5°	137249.4	140707.4	142029.8	142766.0	142029.8	140707.4	137249.4	131470.9	124141.7	113282.6	98603.4
0°	138765.4	141315.0	142797.4	142074.7	142797.4	141315.0	138765.4	133925.5	126076.4	116044.7	102171.1
-2.5°	138776.0	141199.5	142301.4	141765.0	142301.4	141199.5	138776.0	134934.2	127190.1	116763.6	102261.6
-5°	137588.7	139397.4	140739.6	140309.6	140739.6	139397.4	137588.7	133776.1	126483.0	115683.1	101670.0
-7.5°	134386.9	136790.7	137773.9	137821.7	137773.9	136790.7	134386.9	130626.7	123898.9	112229.6	97815.8
-10°	129982.3	132647.4	133694.0	133800.9	133694.0	132647.4	129982.3	125536.1	117777.5	106620.0	92054.8
-12.5°	123435.9	126562.3	128068.6	128337.0	128068.6	126562.3	123435.9	117861.4	109780.3	97060.1	84850.5
-15°	113273.5	117487.4	119866.0	120700.6	119866.0	117487.4	113273.5	107170.9	97764.3	87359.6	76198.0
-17.5°	99458.2	104493.0	107458.9	108504.7	107458.9	104493.0	99458.2	92506.5	85200.1	77032.6	68082.1
-20°	85047.5	88780.1	91066.5	92008.7	91066.5	88780.1	85047.5	79344.3	73541.6	66893.6	60395.9



REPORT NUMBER: P1306320 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	71939.6	74949.0	76647.9	77402.4	76647.9	74949.0	71939.6	67537.6	62762.1	58162.1	52953.9
-25°	60571.0	63105.7	63976.9	64468.1	63976.9	63105.7	60571.0	57564.8	53851.3	50239.3	46199.6
-27.5°	51282.2	53292.9	53762.0	54195.7	53762.0	53292.9	51282.2	49141.2	46198.0	43218.2	39849.2
-30°	43455.1	45204.8	45444.0	45924.1	45444.0	45204.8	43455.1	41679.7	39269.1	36555.6	33366.2
-32.5°	36135.2	37693.3	38290.2	38381.9	38290.2	37693.3	36135.2	34325.3	32096.0	29805.5	27574.7
-35°	29126.0	30152.8	30559.1	30583.9	30559.1	30152.8	29126.0	27797.2	26114.3	24338.6	22656.9
-37.5°	23615.0	24269.6	24740.2	24610.5	24740.2	24269.6	23615.0	22713.2	21259.7	19841.4	18293.6
-40°	18941.5	19600.0	20030.1	19925.4	20030.1	19600.0	18941.5	18191.6	16853.4	15493.7	13844.8
-42.5°	14113.1	14837.4	15243.9	15131.5	15243.9	14837.4	14113.1	13352.6	11973.8	10442.0	8895.5
-45°	8752.6	9391.1	9690.6	9508.2	9690.6	9391.1	8752.6	8118.0	7004.6	5674.6	4443.8
-47.5°	4566.2	4711.5	4758.0	4693.0	4758.0	4711.5	4566.2	4431.0	4174.6	3838.6	3553.6
-50°	3702.3	3793.4	3832.6	3821.0	3832.6	3793.4	3702.3	3588.9	3443.5	3260.3	3105.9
-52.5°	3215.6	3257.7	3271.6	3263.3	3271.6	3257.7	3215.6	3156.0	3080.1	2974.3	2886.5
-55°	2994.4	3036.2	3050.7	3045.6	3050.7	3036.2	2994.4	2934.6	2863.9	2763.2	2668.5
-57.5°	2713.9	2765.2	2796.9	2813.3	2796.9	2765.2	2713.9	2646.5	2565.3	2449.9	2328.8
-60°	2283.9	2325.0	2336.8	2330.8	2336.8	2325.0	2283.9	2228.5	2159.7	2065.1	1958.9
-62.5°	1884.4	1918.2	1943.4	1960.4	1943.4	1918.2	1884.4	1839.5	1782.3	1706.8	1619.5
-65°	1527.9	1552.3	1557.4	1553.1	1557.4	1552.3	1527.9	1493.4	1446.5	1387.8	1319.1
-67.5°	1225.7	1243.8	1246.2	1242.3	1246.2	1243.8	1225.7	1200.5	1164.5	1120.2	1066.8
-70°	993.8	1009.0	1011.1	1008.8	1011.1	1009.0	993.8	973.7	943.9	909.3	868.7
-72.5°	824.2	835.4	843.9	850.6	843.9	835.4	824.2	809.6	784.4	757.4	727.4
-75°	706.6	714.6	716.6	717.1	716.6	714.6	706.6	696.0	674.9	652.6	628.0
-77.5°	614.2	622.2	627.9	632.9	627.9	622.2	614.2	604.8	587.0	568.5	549.4
-80°	545.0	551.2	555.8	560.0	555.8	551.2	545.0	537.9	522.1	506.2	490.9
-82.5°	493.5	499.8	503.7	507.2	503.7	499.8	493.5	486.7	473.6	460.3	446.8
-85°	444.7	449.6	453.3	456.7	453.3	449.6	444.7	439.5	427.6	415.5	403.9
-87.5°	401.5	406.1	408.4	410.7	408.4	406.1	401.5	396.8	386.5	376.1	366.2
-90°	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.2	2.2	2.2	2.8



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	331.0	324.3	317.6	312.6	307.5	301.3	295.1	285.6	276.1	266.0	255.9
87.5°	4.4	4.4	4.4	4.4	4.5	5.0	5.4	5.5	5.6	6.2	6.7
85°	5.5	5.4	5.4	5.8	6.1	6.2	6.3	6.2	6.2	6.7	7.2
82.5°	5.6	5.6	5.6	6.2	6.7	6.7	6.7	6.9	7.1	7.5	8.0
80°	5.6	6.0	6.3	6.5	6.7	7.0	7.1	7.5	7.9	7.9	8.0
77.5°	5.7	6.3	6.8	7.0	7.2	7.7	8.0	7.9	8.0	8.4	8.6
75°	7.1	7.2	7.5	8.1	8.5	8.7	9.1	9.3	9.3	9.2	9.5
72.5°	11.8	11.3	10.9	11.0	10.7	10.7	10.8	11.0	11.0	10.6	10.3
70°	17.8	17.8	18.0	18.1	17.8	17.2	16.1	14.8	13.8	13.6	12.7
67.5°	24.1	24.0	25.0	26.8	26.4	25.4	23.6	21.9	20.3	18.9	16.3
65°	29.2	29.3	29.2	29.0	29.5	30.4	30.9	29.2	29.4	26.8	21.4
62.5°	28.5	29.7	28.0	27.0	28.4	31.3	36.2	38.7	40.8	38.4	32.2
60°	22.3	24.3	23.5	23.9	25.9	32.3	41.4	48.4	54.2	50.4	43.2
57.5°	15.0	15.5	17.2	20.4	24.0	34.6	46.3	57.1	64.8	60.1	53.9
55°	16.5	18.0	18.5	20.9	23.5	37.7	50.8	62.0	70.0	67.8	61.5
52.5°	36.1	40.8	40.4	35.9	38.6	48.5	56.3	68.9	75.9	75.8	70.5
50°	125.6	130.4	116.8	97.4	99.0	82.5	92.1	94.3	91.8	92.5	84.6
47.5°	343.5	319.4	288.1	264.1	235.2	202.6	202.2	164.9	160.1	129.2	123.7
45°	675.5	605.7	547.7	500.1	450.5	416.4	383.7	364.0	288.3	259.6	186.7
42.5°	1739.2	1207.3	909.7	781.3	673.1	623.2	587.3	563.1	529.0	439.6	368.4
40°	3474.0	2698.2	1992.1	1250.4	945.9	808.8	756.8	700.0	694.2	647.9	554.4
37.5°	5182.7	4383.7	3498.7	2576.5	1714.6	1090.3	966.1	881.0	818.2	801.1	733.7
35°	6766.7	5939.0	5119.0	4138.8	3018.0	2095.7	1271.2	1120.4	999.6	928.7	888.3
32.5°	8540.7	7671.1	6636.5	5678.5	4673.9	3487.5	2409.9	1493.0	1226.0	1103.2	1008.2
30°	11373.9	9921.6	8529.6	7301.0	6296.2	5220.5	3868.0	2496.1	1580.7	1283.9	1135.2
27.5°	15831.8	13055.2	11202.7	9580.6	8240.3	7106.3	5740.1	3914.7	2178.6	1567.0	1301.2
25°	21933.4	18813.9	15648.0	13326.8	11382.1	9443.5	7996.7	5788.3	3563.4	1903.5	1486.5
22.5°	29186.6	25329.7	21759.0	17979.0	15043.2	12483.3	10111.6	7682.8	5008.9	2675.3	1801.5
20°	35614.4	31126.0	27081.2	22891.3	18658.9	14986.7	11897.1	9354.6	6565.0	3896.2	2107.4
17.5°	43590.3	37343.5	32331.0	27820.2	22789.4	18218.4	14305.6	11140.9	8018.2	4915.3	2358.2
15°	52401.9	44369.4	37652.8	31946.1	26674.8	21506.3	16937.2	13050.9	9641.0	5993.0	3098.1
12.5°	61868.1	52114.4	43109.0	35991.2	29723.3	24079.3	18726.3	14711.4	11147.7	7288.8	3913.3
10°	68234.5	58153.7	48473.2	40294.2	33003.6	26194.4	20255.7	15736.2	12126.8	8423.1	4711.3
7.5°	74881.8	62951.1	52436.7	43450.8	35859.7	28746.8	21768.4	16528.0	12880.0	9270.1	5331.2
5°	78860.7	66276.6	55339.7	45929.4	37910.6	30798.2	23558.5	17233.2	13502.4	9905.6	5805.2
2.5°	81996.7	68338.6	56919.5	47248.2	39311.7	32028.8	25038.6	17926.9	13837.2	10204.2	5937.0
0°	84725.7	69824.3	58172.7	48258.2	40193.1	32817.0	25792.2	18602.4	13938.6	10278.0	5913.9
-2.5°	84610.1	69333.7	57451.1	47761.2	39806.6	32566.5	25884.0	19471.0	14649.1	10340.5	5922.6
-5°	84696.7	69358.2	56980.9	47422.0	39462.7	32236.4	25616.5	19724.9	15023.1	10256.0	5788.1
-7.5°	82430.7	68124.8	56120.6	46712.1	38869.9	31630.3	24971.4	19405.5	15040.1	10260.7	5569.1
-10°	77969.6	65175.6	54077.1	45204.1	37697.0	30569.0	24026.3	18879.5	14633.0	9853.4	5193.0
-12.5°	73056.3	61651.7	51311.5	42934.4	35836.9	29023.1	22830.9	18127.5	13891.9	9089.3	4825.1
-15°	66589.0	57530.0	48912.7	40630.5	33495.0	27116.8	21458.6	17181.8	12951.4	8097.4	4253.5
-17.5°	60237.0	52473.2	44985.5	37932.9	30980.8	25029.6	20156.5	15936.7	11613.5	6964.4	3503.8
-20°	54039.9	47371.2	40883.4	34330.0	28152.7	22669.4	18520.0	14424.8	9940.8	5854.1	3382.0



REPORT NUMBER: P1306320 (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°
-22.5°	47986.8	42645.8	36871.5	30579.9	25201.3	20626.4	16591.2	12553.2	8029.9	4548.5	3220.2
-25°	41975.4	37542.5	32307.7	27477.1	22574.0	18369.8	14490.0	10236.7	6394.9	3781.9	3004.0
-27.5°	35951.9	31818.8	28060.1	24073.9	20149.7	16005.6	11909.7	7823.1	4578.5	3433.9	2884.2
-30°	30095.9	26931.7	23796.8	20636.6	17270.3	13350.2	9002.8	5740.0	3792.4	3104.6	2729.2
-32.5°	25009.0	22548.2	19957.3	17191.4	13892.6	10269.1	6642.4	4140.7	3341.6	2920.2	2634.2
-35°	20611.3	18380.1	16200.4	13319.8	9966.2	6958.1	4394.7	3577.7	3066.7	2742.3	2549.1
-37.5°	16515.2	14290.1	11783.7	9115.7	6393.0	4380.7	3698.5	3197.7	2833.8	2630.2	2435.5
-40°	11954.5	9662.1	7457.1	5213.4	4224.2	3651.7	3262.5	2935.6	2717.3	2505.1	2312.8
-42.5°	7263.8	5382.1	4302.1	3918.2	3528.6	3243.4	2976.3	2790.1	2589.5	2386.6	2128.9
-45°	4136.7	3809.8	3517.1	3352.9	3141.1	2977.9	2828.1	2641.8	2456.2	2193.5	1919.9
-47.5°	3376.1	3240.2	3111.7	3031.8	2932.0	2810.1	2650.3	2472.9	2219.1	1960.4	1731.0
-50°	2994.6	2945.7	2896.0	2838.6	2738.6	2616.9	2422.9	2197.4	1967.3	1755.2	1543.1
-52.5°	2810.0	2748.5	2686.7	2623.3	2493.2	2320.9	2129.0	1931.0	1731.4	1546.2	1360.2
-55°	2587.5	2491.7	2392.0	2282.7	2161.4	2012.3	1852.0	1675.0	1505.5	1336.5	1194.6
-57.5°	2222.3	2124.3	2040.5	1945.9	1840.8	1718.5	1589.0	1436.3	1293.1	1162.1	1038.9
-60°	1869.7	1779.1	1710.3	1633.3	1548.0	1446.3	1343.3	1225.3	1098.7	994.0	893.4
-62.5°	1544.8	1468.6	1411.1	1353.1	1288.7	1213.5	1123.5	1033.4	932.4	837.1	766.6
-65°	1259.2	1200.3	1151.3	1109.3	1061.5	1008.5	933.5	864.8	791.6	719.4	657.4
-67.5°	1019.0	974.5	935.5	900.6	871.0	837.8	787.0	731.1	677.6	628.0	586.0
-70°	832.7	802.6	775.6	750.1	728.1	707.9	676.2	638.3	595.7	554.3	519.0
-72.5°	700.5	680.2	661.8	646.5	629.5	612.8	588.5	556.9	522.9	487.7	458.3
-75°	605.3	589.1	573.5	560.2	545.4	529.8	512.5	489.6	466.0	441.6	418.7
-77.5°	531.1	517.7	504.8	495.1	485.2	474.8	461.4	441.9	423.6	404.6	386.7
-80°	475.9	464.5	453.5	446.8	439.6	430.8	420.5	405.3	390.1	373.7	357.8
-82.5°	433.4	423.2	413.3	406.9	400.0	391.6	382.6	369.8	356.8	342.5	328.5
-85°	392.4	384.3	376.3	369.8	363.2	355.3	347.1	335.9	324.6	311.8	298.9
-87.5°	356.3	349.1	341.9	336.9	331.7	323.9	316.1	306.4	296.6	285.3	274.0
-90°	3.4	3.4	3.4	4.0	4.5	4.5	4.5	5.1	5.6	6.2	6.7



REPORT NUMBER: P1306320 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	246.4	236.8	227.8	218.8	211.5	204.2	196.4	188.5	175.6	162.7	144.8
87.5°	7.1	7.5	8.0	8.5	8.5	8.5	9.0	9.5	9.6	9.8	10.2
85°	7.7	8.2	8.6	9.0	9.1	9.0	9.5	9.9	10.3	10.5	10.9
82.5°	8.5	8.9	8.9	9.1	9.7	10.1	10.2	10.4	10.9	11.3	11.6
80°	8.5	9.1	9.3	9.5	10.3	11.2	10.9	11.0	11.6	12.1	12.3
77.5°	9.0	9.3	9.7	10.1	10.7	11.3	11.4	11.5	12.4	12.9	13.0
75°	9.8	10.0	10.0	10.4	11.0	11.4	11.7	12.1	13.0	13.7	13.7
72.5°	10.6	10.6	10.3	10.6	11.5	12.1	12.4	12.7	13.5	14.2	14.4
70°	11.9	11.4	11.0	11.4	12.2	12.9	13.4	13.8	14.0	14.9	15.2
67.5°	13.5	12.8	12.1	12.4	13.0	14.0	14.5	15.0	15.3	15.6	16.1
65°	18.5	16.3	13.5	14.1	14.3	15.4	16.1	16.7	16.7	17.1	17.1
62.5°	26.0	22.0	19.5	17.2	16.9	18.3	18.1	19.4	18.5	18.8	18.6
60°	35.6	29.3	26.3	23.9	22.3	22.2	22.9	22.5	22.3	20.5	20.3
57.5°	44.5	36.1	35.2	31.8	30.8	29.1	29.4	28.7	27.0	25.3	22.2
55°	52.6	45.4	45.5	43.1	42.0	38.7	38.4	37.0	33.4	31.3	24.6
52.5°	61.0	58.4	57.6	58.4	57.6	51.6	51.0	46.3	43.5	38.0	30.9
50°	74.0	76.4	73.8	78.1	75.7	72.0	64.8	59.7	54.3	46.2	37.8
47.5°	107.4	109.2	100.9	104.1	100.2	94.9	85.3	74.9	65.7	56.7	44.8
45°	186.6	160.5	150.4	140.7	132.0	124.9	109.5	90.8	80.2	67.4	51.9
42.5°	295.3	259.7	231.5	183.2	179.6	159.8	136.7	114.9	95.4	78.5	60.6
40°	465.7	399.5	338.2	284.5	238.8	198.4	172.8	141.8	111.2	90.7	70.5
37.5°	647.0	563.0	482.6	400.1	317.3	260.9	212.8	170.1	130.0	105.0	80.6
35°	808.4	733.7	622.6	526.6	431.5	326.3	255.7	202.8	155.6	119.6	90.9
32.5°	947.1	875.5	754.6	647.9	524.2	393.4	309.7	240.0	181.7	134.6	101.6
30°	1058.4	977.0	875.5	744.2	601.4	469.2	366.1	276.6	208.2	149.9	113.0
27.5°	1167.1	1074.8	982.3	832.4	673.2	534.2	413.1	312.4	235.0	167.1	125.4
25°	1297.3	1177.1	1075.2	928.5	743.7	586.7	455.3	347.5	263.7	187.0	137.3
22.5°	1459.6	1277.6	1169.5	1029.4	824.1	638.5	496.4	384.6	288.5	205.7	148.6
20°	1601.5	1366.7	1259.7	1123.2	911.4	704.6	538.9	415.6	312.0	223.4	159.5
17.5°	1751.1	1460.1	1317.6	1189.9	996.4	771.4	583.3	444.9	334.0	239.8	169.8
15°	1951.9	1560.8	1370.6	1247.4	1069.1	835.4	626.8	472.7	354.6	254.9	179.8
12.5°	2116.9	1654.7	1422.8	1292.6	1125.4	893.5	668.4	498.7	373.5	270.2	189.6
10°	2275.8	1754.9	1479.7	1335.3	1172.9	945.6	707.7	526.3	395.8	285.4	198.8
7.5°	2450.8	1849.3	1534.5	1376.0	1212.9	989.0	748.1	559.2	417.4	299.4	207.4
5°	2592.3	1933.1	1591.0	1421.5	1251.4	1022.3	784.6	590.1	437.4	312.2	215.3
2.5°	2633.1	2003.3	1646.0	1464.5	1284.2	1048.5	816.5	618.6	455.5	323.5	222.5
0°	2643.9	2060.3	1695.6	1502.6	1310.7	1068.3	843.9	644.1	471.3	333.3	228.9
-2.5°	2699.8	2106.3	1740.0	1557.4	1358.2	1093.9	859.4	657.3	484.7	344.7	238.2
-5°	2731.0	2138.7	1779.3	1605.9	1397.1	1113.0	870.3	667.0	495.5	354.4	246.6
-7.5°	2748.5	2162.1	1815.0	1646.3	1425.7	1125.1	876.4	673.3	503.7	362.2	254.1
-10°	2740.0	2173.4	1845.6	1669.0	1439.2	1136.6	879.5	676.4	509.2	368.2	260.7
-12.5°	2752.5	2176.0	1870.0	1685.8	1443.9	1147.2	890.2	681.1	512.1	372.3	266.2
-15°	2752.9	2202.5	1909.5	1699.6	1441.3	1149.9	894.3	683.6	512.9	374.6	270.6
-17.5°	2690.4	2204.7	1945.9	1719.6	1433.0	1144.7	891.5	680.7	510.7	375.1	274.4
-20°	2672.1	2223.0	1966.8	1729.5	1415.1	1132.8	881.8	672.2	505.5	373.7	277.7



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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°	2647.1	2263.0	1990.6	1707.7	1389.5	1114.5	867.7	658.8	497.1	370.4	279.9
-25°	2569.5	2288.6	2001.6	1682.6	1362.0	1094.1	850.9	647.0	485.6	365.2	281.1
-27.5°	2523.8	2276.3	1994.9	1640.8	1332.6	1065.3	833.3	638.4	477.9	358.0	281.3
-30°	2495.9	2238.8	1935.9	1586.8	1289.5	1030.6	811.1	624.9	471.7	354.9	280.5
-32.5°	2431.5	2193.8	1846.8	1525.2	1241.5	990.0	783.8	606.3	462.2	354.7	279.8
-35°	2334.7	2080.8	1741.2	1447.5	1188.1	954.1	753.0	582.4	449.5	352.6	278.8
-37.5°	2221.9	1922.2	1644.9	1365.4	1119.3	909.8	721.6	560.8	433.6	348.9	277.1
-40°	2045.1	1767.1	1515.6	1278.5	1051.0	854.7	684.9	539.9	423.9	343.3	274.2
-42.5°	1860.8	1614.0	1387.9	1175.1	977.9	802.5	644.7	515.4	415.9	337.9	270.2
-45°	1685.1	1460.0	1258.8	1075.7	900.0	746.0	612.3	489.8	405.6	331.9	266.3
-47.5°	1508.5	1316.3	1136.8	971.0	831.7	689.8	573.2	475.4	393.2	324.5	263.1
-50°	1347.2	1175.8	1018.1	877.5	751.8	642.6	535.7	458.5	382.0	315.1	259.0
-52.5°	1194.0	1042.1	906.9	784.0	684.9	591.8	510.1	438.0	368.7	307.1	254.0
-55°	1049.3	917.5	800.2	703.6	619.6	552.7	482.0	417.4	353.5	299.2	248.5
-57.5°	918.0	798.3	712.1	631.4	566.9	513.2	454.5	395.0	341.4	290.2	245.7
-60°	792.3	709.0	632.7	573.8	521.7	474.8	426.7	373.5	329.5	281.3	241.8
-62.5°	692.9	624.8	573.3	523.2	478.3	438.0	398.9	356.4	315.8	275.5	237.0
-65°	611.3	563.8	516.7	476.4	436.8	403.5	376.6	338.2	305.2	269.0	231.5
-67.5°	544.7	505.4	466.5	430.1	402.3	377.9	352.6	324.2	295.1	261.8	224.8
-70°	484.7	449.7	421.6	397.6	374.7	353.0	335.1	311.4	284.4	252.9	217.6
-72.5°	435.3	412.2	388.8	367.2	351.2	335.0	318.5	298.0	272.1	243.3	209.8
-75°	397.9	379.8	362.4	346.2	331.5	316.7	301.6	283.7	259.4	233.1	200.6
-77.5°	370.8	354.9	339.5	324.6	311.2	297.6	284.2	268.9	245.8	221.1	190.7
-80°	343.6	329.5	315.8	302.4	290.3	278.2	265.7	251.7	230.2	208.3	180.2
-82.5°	316.1	303.5	291.2	278.8	267.7	256.3	245.2	233.3	214.2	195.0	170.4
-85°	287.8	276.6	265.4	254.1	244.2	234.2	225.6	216.5	200.5	184.4	162.1
-87.5°	264.4	254.7	245.1	235.5	227.4	219.3	211.1	202.6	188.2	173.7	153.6
-90°	6.7	6.7	7.3	7.9	7.9	7.9	8.5	9.0	9.0	9.0	9.6



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	126.8	104.9	83.0	59.4	35.9	24.1	12.3
87.5°	10.7	10.6	10.5	10.5	10.4	11.4	12.3
85°	11.2	11.1	10.9	10.8	10.7	11.7	12.3
82.5°	11.8	11.5	11.3	11.2	11.0	11.9	12.3
80°	12.4	12.0	11.6	11.6	11.3	12.2	12.3
77.5°	13.0	12.6	12.0	11.9	11.7	12.5	12.3
75°	13.6	13.3	12.5	12.3	12.0	12.7	12.3
72.5°	14.3	14.1	13.3	12.7	12.4	13.0	12.3
70°	15.1	14.9	14.1	13.1	12.7	13.2	12.3
67.5°	16.1	15.7	14.9	13.8	13.1	13.5	12.3
65°	17.1	16.6	15.7	14.4	13.5	13.8	12.3
62.5°	18.1	17.6	16.5	15.1	14.0	14.0	12.3
60°	19.2	18.5	17.4	15.8	14.4	14.3	12.3
57.5°	21.3	19.5	18.5	16.4	15.1	14.6	12.3
55°	23.8	20.5	19.7	17.1	15.9	14.9	12.3
52.5°	26.5	21.7	21.0	17.7	16.7	15.1	12.3
50°	29.4	24.8	22.4	18.3	17.6	15.4	12.3
47.5°	32.9	28.1	23.9	19.1	18.5	15.7	12.3
45°	39.1	31.6	25.5	20.3	19.4	16.0	12.3
42.5°	45.3	35.2	27.2	21.6	20.4	16.3	12.3
40°	51.9	38.9	29.6	23.5	21.4	16.5	12.3
37.5°	59.1	42.8	32.6	25.7	22.5	16.8	12.3
35°	66.3	48.0	35.6	28.0	23.6	17.1	12.3
32.5°	74.1	53.8	38.6	30.4	24.7	17.4	12.3
30°	83.1	59.4	41.6	32.7	25.9	17.6	12.3
27.5°	91.9	65.1	45.7	35.2	27.0	17.9	12.3
25°	100.5	70.6	49.9	37.6	28.2	18.1	12.3
22.5°	108.9	76.2	54.0	40.1	29.4	18.4	12.3
20°	117.0	82.3	58.0	42.5	30.6	18.6	12.3
17.5°	125.1	88.2	61.9	45.0	31.8	18.9	12.3
15°	132.8	93.8	65.6	47.4	33.0	19.1	12.3
12.5°	140.2	99.1	69.3	49.8	34.1	19.3	12.3
10°	147.1	104.1	72.8	52.1	35.3	19.5	12.3
7.5°	153.4	108.9	76.2	54.3	36.4	19.7	12.3
5°	159.3	113.3	79.4	56.5	37.4	19.9	12.3
2.5°	164.6	117.4	82.4	58.6	38.4	20.0	12.3
0°	169.4	121.2	85.3	60.6	39.3	20.2	12.3
-2.5°	176.6	126.7	89.3	63.3	41.0	21.0	12.3
-5°	183.3	131.9	93.0	65.8	42.6	21.7	12.3
-7.5°	189.3	136.7	96.5	68.2	44.1	22.5	12.3
-10°	194.6	141.0	99.8	70.5	45.5	23.2	12.3
-12.5°	199.3	144.9	102.9	72.6	46.9	23.9	12.3
-15°	203.2	148.2	105.6	74.5	48.1	24.5	12.3
-17.5°	206.3	151.1	108.1	76.3	49.3	25.1	12.3
-20°	209.2	153.5	110.3	77.9	50.3	25.7	12.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	212.0	155.3	112.2	79.4	51.3	26.3	12.3
-25°	214.1	157.5	113.7	80.6	52.1	26.8	12.3
-27.5°	215.4	159.6	115.0	81.7	52.8	27.3	12.3
-30°	215.8	161.1	116.0	82.6	53.4	27.7	12.3
-32.5°	215.3	162.1	117.9	83.3	53.9	28.1	12.3
-35°	215.4	162.6	119.6	83.8	54.3	28.4	12.3
-37.5°	215.4	163.1	120.9	84.1	54.5	28.7	12.3
-40°	214.7	164.4	121.9	84.2	54.6	29.0	12.3
-42.5°	213.5	165.2	122.7	84.4	54.6	29.2	12.3
-45°	211.6	165.6	123.4	84.9	54.5	29.3	12.3
-47.5°	209.0	165.6	123.6	85.1	54.3	29.4	12.3
-50°	208.1	165.1	123.5	85.2	53.9	29.4	12.3
-52.5°	206.9	164.3	122.9	85.0	53.4	29.4	12.3
-55°	205.2	162.9	121.9	84.6	52.8	29.4	12.3
-57.5°	203.0	160.9	120.6	84.0	52.1	29.3	12.3
-60°	200.1	158.4	118.8	83.1	51.3	29.1	12.3
-62.5°	196.4	155.5	117.1	82.0	50.6	28.9	12.3
-65°	192.1	152.2	115.1	80.7	49.8	28.7	12.3
-67.5°	187.2	148.6	112.8	79.2	48.8	28.4	12.3
-70°	181.9	144.6	110.2	77.4	47.8	28.1	12.3
-72.5°	175.5	140.1	107.2	75.7	46.6	27.7	12.3
-75°	168.5	135.1	104.0	73.9	45.3	27.3	12.3
-77.5°	160.9	129.8	101.0	71.9	44.0	26.8	12.3
-80°	152.8	124.9	97.8	69.7	42.5	26.3	12.3
-82.5°	146.5	120.3	94.4	67.4	40.9	25.8	12.3
-85°	140.2	115.4	90.8	64.9	39.3	25.3	12.3
-87.5°	133.6	110.3	87.0	62.2	37.6	24.7	12.3
-90°	10.1	10.1	10.1	10.1	10.1	11.2	12.3

(END OF REPORT)