

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: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-80-7F-CV2-A**

Issue Date: 2/3/2026

**Test Information**

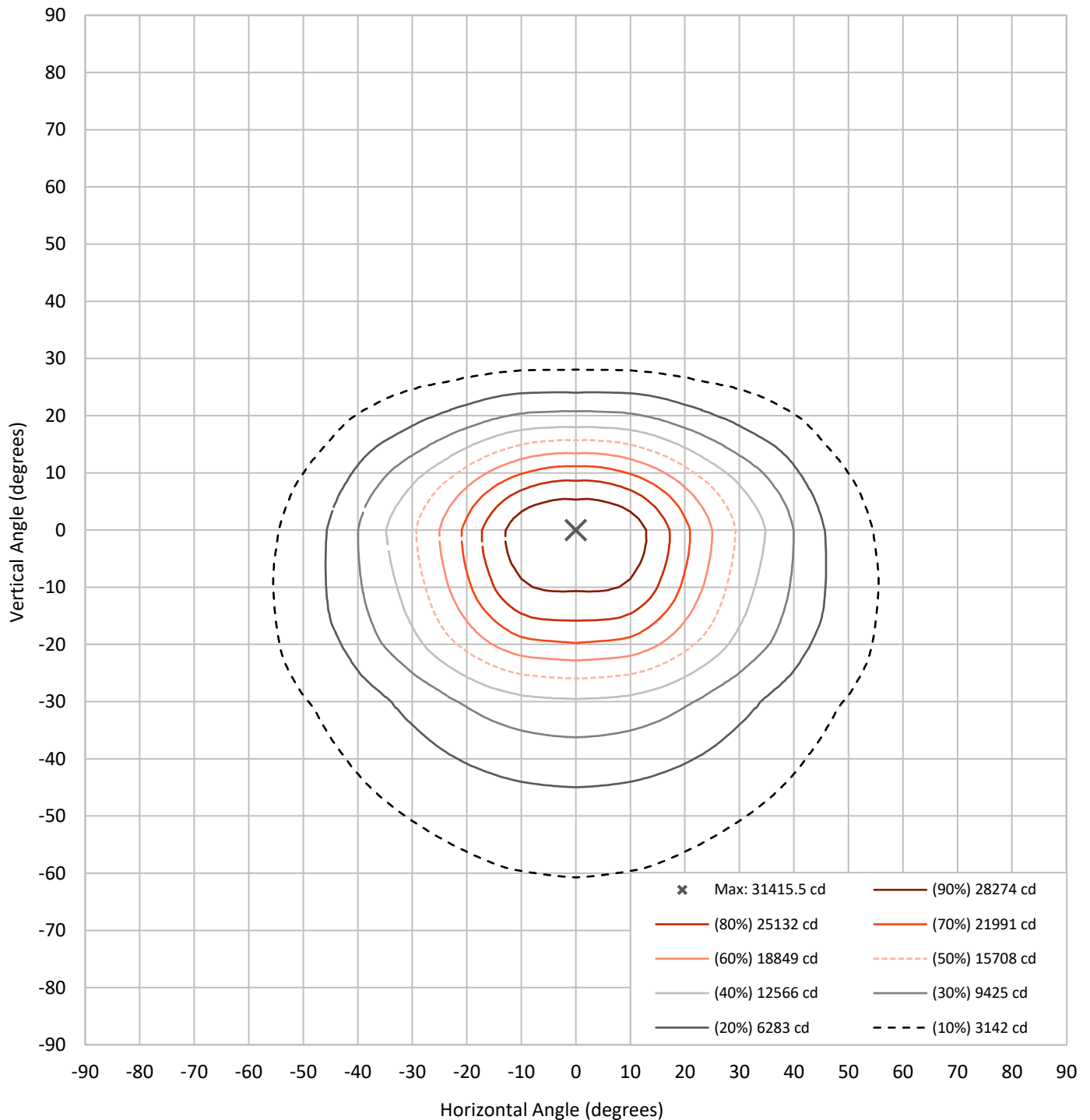
Test Method: LM-79-08  
Report Number: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320N-40-80-7F-CV2-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	27484.8 lumens	Max Intensity:	31415.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	82.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 41.6°V	Field Angle (10%):	109°H x 88.8°V
Beam Lumens:	13324.4 lumens	Field Lumens:	24962.7 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%
Input Watts (W):	334		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

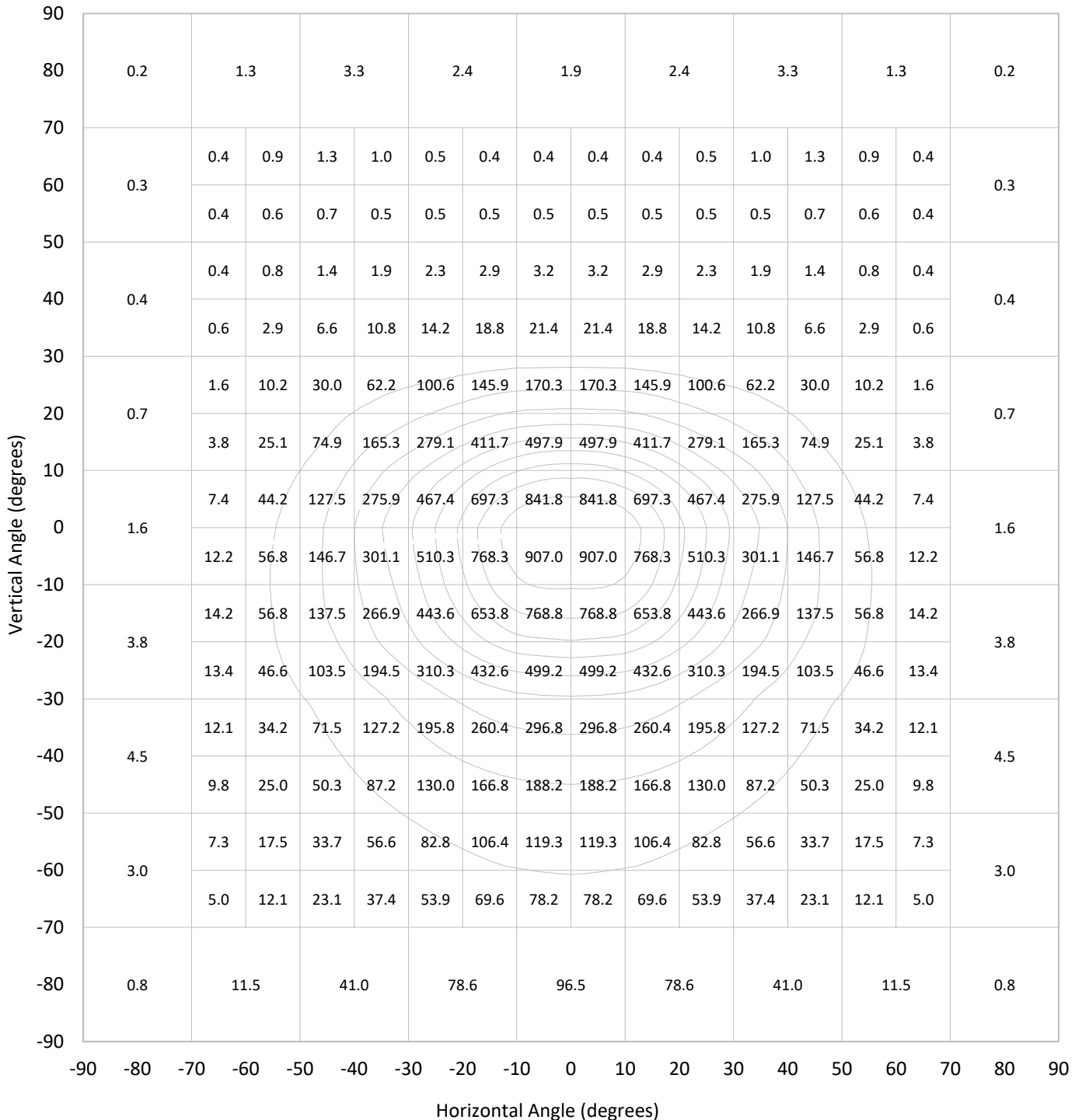
### Iso-Candela Plot





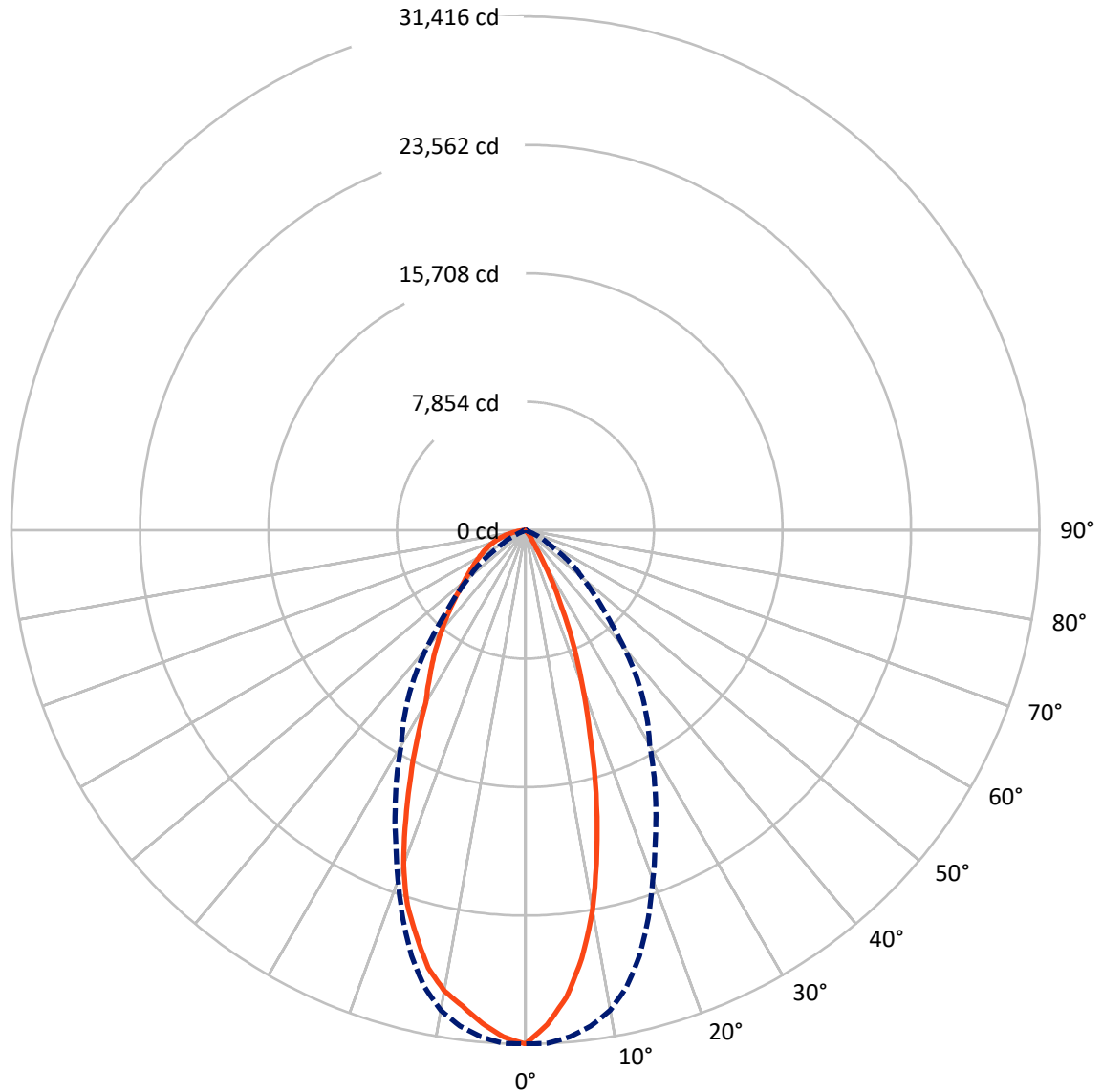
REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

### Lumen Table



REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

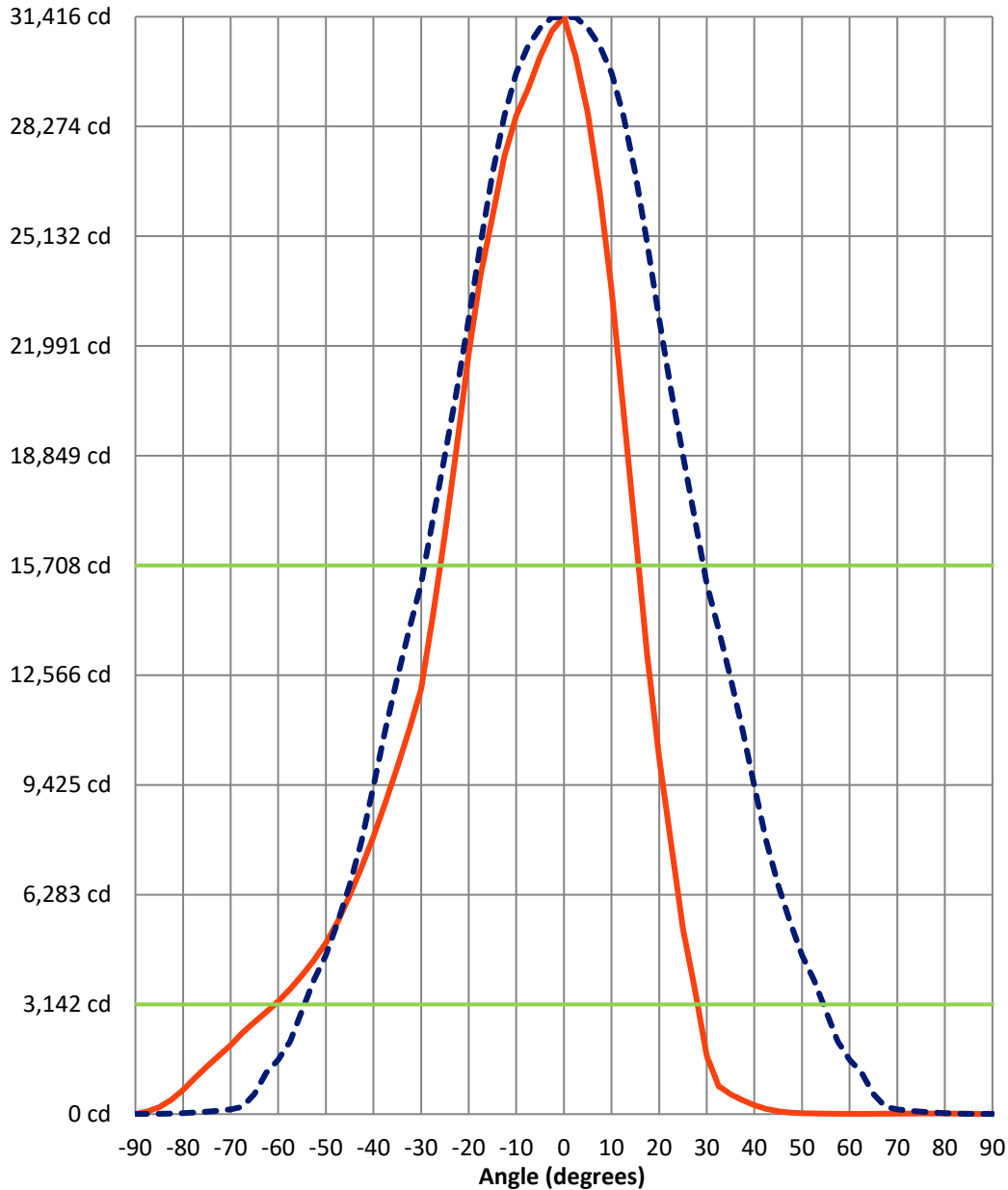
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

### Luminous Intensity Plot



**Beam:**  
 H Angle: 58.6°  
 V Angle: 41.6°  
 Lumens: 13324.4  
 Efficiency: 48.5%

**Field:**  
 H Angle: 109°  
 V Angle: 88.8°  
 Lumens: 24962.7  
 Efficiency: 90.8%

**Spill:**  
 Lumens: 2522.1  
 Efficiency: 9.2%

— Vertical Distribution through 0-Deg  
 - - - Horizontal Distribution through 0-Deg



REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.4	5.0	5.5	5.8	6.1	6.3	6.6	6.9	7.2	7.4	7.7
87.5°	4.4	4.6	4.8	5.1	5.4	5.9	6.4	6.6	6.7	6.7	6.7
85°	4.4	4.7	5.2	5.8	6.5	7.4	8.4	8.7	8.9	9.0	9.1
82.5°	4.4	4.9	5.5	6.4	7.5	8.8	10.3	10.9	11.2	11.9	13.4
80°	4.4	5.1	5.9	7.1	8.5	10.3	12.1	12.4	13.5	15.7	18.8
77.5°	4.4	5.2	6.3	7.7	9.5	11.2	12.3	13.4	15.7	19.3	22.9
75°	4.4	5.4	6.7	8.4	10.3	11.3	12.5	14.4	17.6	20.6	23.6
72.5°	4.4	5.5	7.0	9.0	10.3	11.3	12.6	15.1	18.1	21.2	24.2
70°	4.4	5.7	7.4	9.5	10.2	11.3	12.8	15.5	18.6	21.7	25.1
67.5°	4.4	5.9	7.7	9.3	10.1	11.3	13.2	15.9	19.0	22.6	26.1
65°	4.4	6.0	8.0	9.2	10.0	11.5	13.7	16.2	19.7	23.4	27.4
62.5°	4.4	6.1	8.3	9.1	9.9	11.8	14.1	16.7	20.4	24.4	29.4
60°	4.4	6.3	8.6	8.9	9.7	12.2	14.5	17.2	21.1	26.0	31.2
57.5°	4.4	6.4	8.6	8.8	10.0	12.6	15.2	17.8	22.2	27.5	32.2
55°	4.4	6.6	8.5	8.6	10.3	12.9	15.9	18.6	23.4	28.7	32.7
52.5°	4.4	6.7	8.5	8.4	10.6	13.3	16.6	19.8	24.4	29.2	33.2
50°	4.4	6.8	8.4	8.2	10.9	13.9	17.3	21.1	25.3	29.8	32.3
47.5°	4.4	6.9	8.4	8.1	11.1	14.6	18.1	22.5	25.8	30.4	31.4
45°	4.4	7.0	8.4	8.3	11.4	15.2	19.2	23.8	27.2	29.7	30.5
42.5°	4.4	7.1	8.4	8.4	11.6	15.8	20.3	25.1	28.8	29.1	29.6
40°	4.4	7.2	8.4	8.8	11.9	16.3	21.4	26.6	30.3	28.9	29.0
37.5°	4.4	7.3	8.5	9.2	12.4	16.9	22.5	28.2	31.6	30.6	28.7
35°	4.4	7.4	8.5	9.7	12.8	17.6	23.6	30.0	33.3	33.0	30.8
32.5°	4.4	7.4	8.6	10.2	13.2	18.4	24.7	31.8	35.4	36.1	39.6
30°	4.4	7.5	8.7	10.7	13.5	19.2	26.1	33.7	37.8	39.9	48.6
27.5°	4.4	7.6	8.7	11.2	14.6	19.9	27.5	35.5	40.7	44.3	57.7
25°	4.4	7.6	8.8	11.7	15.8	20.6	29.0	37.6	44.2	51.1	68.0
22.5°	4.4	7.6	8.9	12.2	17.1	21.9	30.4	39.8	48.1	58.9	100.8
20°	4.4	7.7	9.0	12.8	18.4	24.6	31.8	42.1	52.2	66.7	135.5
17.5°	4.4	7.7	9.1	13.3	19.8	27.5	35.5	44.5	56.5	74.3	171.5
15°	4.4	7.7	9.2	13.8	21.1	30.5	40.7	49.4	61.0	81.7	208.1
12.5°	4.4	7.7	9.4	14.3	22.5	33.6	46.0	57.5	70.3	89.0	244.5
10°	4.4	7.7	9.5	14.8	23.8	36.7	51.3	65.7	83.6	110.9	292.5
7.5°	4.4	7.7	9.6	15.3	25.1	39.8	56.6	74.0	97.1	135.6	367.0
5°	4.4	7.7	9.7	15.7	26.4	42.8	61.8	82.3	110.6	160.7	441.2
2.5°	4.4	7.7	9.8	16.1	27.6	45.7	66.8	90.4	123.9	185.5	512.7
0°	4.4	7.7	9.9	16.5	28.7	48.5	71.7	98.2	136.8	209.6	579.1
-2.5°	4.4	7.8	10.6	18.9	34.3	58.9	90.3	128.9	185.1	287.7	681.6
-5°	4.4	8.0	11.3	21.3	39.7	69.0	108.4	158.8	232.1	363.1	775.2
-7.5°	4.4	8.1	12.0	23.6	44.9	78.7	125.7	187.4	277.1	434.2	858.6
-10°	4.4	8.2	12.7	25.8	49.8	87.8	141.9	214.5	319.2	499.6	930.7
-12.5°	4.4	8.3	13.3	27.8	54.4	96.2	157.0	239.4	357.9	555.9	958.0
-15°	4.4	8.4	13.9	29.6	58.6	103.9	170.5	262.0	391.8	590.3	962.3
-17.5°	4.4	8.5	14.4	31.3	62.3	110.7	182.4	283.4	421.0	619.7	960.7
-20°	4.4	8.6	14.9	32.7	65.5	116.5	194.0	303.4	446.3	644.0	954.1



REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.4	8.6	15.3	33.8	68.1	121.3	206.3	320.5	467.3	662.8	943.0
-25°	4.4	8.7	15.7	34.8	70.1	127.6	216.6	334.5	483.9	676.0	928.0
-27.5°	4.4	8.7	16.0	35.4	71.5	133.5	224.5	345.2	495.7	686.9	937.4
-30°	4.4	8.7	16.3	35.7	72.4	138.0	230.1	352.3	505.6	698.4	941.2
-32.5°	4.4	8.7	16.5	35.8	74.6	140.9	233.3	357.9	512.5	703.4	937.9
-35°	4.4	8.7	16.6	35.5	75.9	142.3	235.8	360.6	514.6	702.0	927.5
-37.5°	4.4	8.7	16.6	34.8	76.4	142.6	236.7	359.8	511.7	693.9	882.2
-40°	4.4	8.6	16.5	33.9	75.9	142.7	235.2	355.4	503.9	684.1	836.9
-42.5°	4.4	8.6	16.4	33.0	75.2	141.2	231.2	347.4	493.9	651.1	788.6
-45°	4.4	8.5	16.2	32.4	74.5	138.3	224.8	337.5	480.5	613.3	738.8
-47.5°	4.4	8.4	15.9	31.4	73.0	133.9	215.9	326.6	462.0	573.5	694.5
-50°	4.4	8.3	15.6	31.0	70.7	128.1	207.7	312.4	429.7	537.2	648.1
-52.5°	4.4	8.2	15.1	30.7	67.7	120.8	197.9	295.0	399.4	499.2	600.5
-55°	4.4	8.0	14.6	30.0	63.9	114.6	186.0	275.1	369.0	459.8	556.8
-57.5°	4.4	7.9	14.1	29.0	59.4	107.8	172.3	256.9	337.3	422.8	511.7
-60°	4.4	7.7	13.4	27.6	54.3	99.9	157.2	234.1	305.1	385.4	466.6
-62.5°	4.4	7.5	12.9	25.8	50.6	91.0	144.5	208.9	275.2	346.6	423.3
-65°	4.4	7.3	12.4	23.8	46.4	81.1	130.4	184.3	243.7	308.9	378.5
-67.5°	4.4	7.1	11.8	21.5	41.7	71.6	115.0	162.6	210.8	270.3	333.3
-70°	4.4	6.9	11.2	18.9	36.5	62.8	98.4	139.8	182.6	230.1	286.8
-72.5°	4.4	6.7	10.6	17.3	30.8	53.3	83.7	116.0	153.3	194.6	239.8
-75°	4.4	6.5	9.9	15.8	24.8	43.2	68.4	94.5	123.0	157.9	196.2
-77.5°	4.4	6.2	9.2	14.3	21.3	32.6	52.4	73.4	96.4	121.8	151.3
-80°	4.4	6.0	8.5	12.7	18.4	25.7	35.8	51.8	69.7	89.5	111.2
-82.5°	4.4	5.7	7.8	11.0	15.4	21.0	27.8	34.3	42.5	56.6	72.2
-85°	4.4	5.5	7.0	9.3	12.3	16.2	20.8	25.2	30.1	35.4	41.1
-87.5°	4.4	5.2	6.3	7.5	9.2	11.3	13.7	16.1	18.6	21.4	24.5
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4



REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.0	8.3	8.5	8.8	9.1	9.4	9.6	9.9	10.5	11.0	11.6
87.5°	7.1	7.4	7.8	8.2	7.5	6.7	5.8	4.9	5.1	5.4	5.7
85°	9.7	10.4	11.4	12.1	11.6	11.1	10.8	10.5	11.1	11.6	12.0
82.5°	14.8	15.7	16.4	16.7	17.0	17.5	18.4	20.4	21.6	22.3	22.7
80°	20.3	21.1	21.7	23.2	25.8	28.9	32.5	36.4	37.5	37.3	36.6
77.5°	23.7	25.2	27.7	31.5	35.8	40.3	45.2	50.5	51.8	51.2	50.1
75°	25.8	28.9	33.2	38.5	44.1	50.1	56.4	62.2	63.6	61.8	59.5
72.5°	27.5	32.0	37.8	44.7	51.3	57.4	63.8	70.5	73.1	70.0	65.9
70°	29.1	34.8	41.8	49.3	56.7	63.2	69.5	76.7	81.4	75.5	66.6
67.5°	30.5	37.6	45.3	53.0	59.3	65.8	73.4	76.5	78.2	68.9	59.2
65°	32.5	40.2	47.0	53.5	60.2	63.3	65.8	68.1	67.2	56.6	46.4
62.5°	34.6	40.8	47.2	52.4	54.4	56.3	56.0	53.8	50.3	43.8	35.9
60°	35.3	40.6	45.2	47.4	48.2	46.4	43.8	41.8	38.8	33.2	28.0
57.5°	35.7	38.8	41.4	42.0	40.0	37.3	36.3	33.4	31.3	27.7	22.9
55°	35.4	35.9	37.2	35.7	34.1	33.0	31.4	30.5	27.5	24.2	20.6
52.5°	33.9	33.4	32.3	31.6	32.1	31.9	31.3	29.7	27.0	23.7	21.7
50°	32.6	30.7	28.9	31.3	33.6	35.4	32.6	30.9	30.7	29.2	26.0
47.5°	30.9	28.4	29.9	33.7	40.1	42.4	38.5	38.4	39.6	42.7	38.9
45°	29.4	30.4	32.9	42.3	50.1	53.7	54.3	50.0	60.6	64.1	63.0
42.5°	28.3	34.6	45.9	52.5	65.0	72.8	75.9	82.1	88.4	96.1	98.0
40°	32.4	40.1	65.5	76.8	84.6	97.8	113.8	124.2	126.2	137.8	143.0
37.5°	37.8	62.4	92.4	111.8	111.3	134.3	158.2	183.3	197.5	186.3	212.0
35°	43.9	88.7	131.1	159.4	166.7	180.9	223.1	271.1	317.5	290.4	303.6
32.5°	62.1	118.8	176.4	219.8	261.9	271.5	297.6	427.8	512.1	513.5	445.7
30°	91.8	161.2	230.4	289.6	387.0	431.7	473.4	635.2	776.9	868.1	887.5
27.5°	129.1	209.6	296.5	403.0	541.0	621.6	756.9	930.6	1153.6	1320.5	1436.0
25°	171.0	284.4	368.7	546.4	724.8	872.9	1062.8	1301.9	1614.6	1882.2	2132.0
22.5°	224.8	371.3	483.3	707.0	928.5	1144.6	1408.3	1752.0	2149.9	2497.9	2852.0
20°	292.6	470.1	632.7	905.1	1160.1	1420.2	1758.6	2236.5	2740.2	3232.2	3691.6
17.5°	365.9	574.1	800.0	1131.5	1476.6	1770.6	2124.9	2739.6	3361.9	4037.5	4706.6
15°	443.2	681.9	965.8	1378.5	1816.3	2216.6	2685.3	3311.5	4051.4	4918.0	5781.1
12.5°	522.5	791.6	1128.5	1639.9	2170.6	2670.8	3267.5	3982.1	4831.5	5859.2	6905.9
10°	601.9	901.4	1286.4	1908.9	2532.7	3127.2	3835.1	4629.5	5600.7	6755.5	7939.4
7.5°	745.9	1045.7	1450.1	2178.0	2895.0	3579.0	4383.0	5249.3	6329.2	7613.0	8907.9
5°	899.6	1223.5	1673.3	2460.2	3237.1	3975.5	4875.7	5835.7	7011.3	8420.4	9824.6
2.5°	1048.9	1394.5	1886.3	2723.8	3551.7	4277.9	5207.0	6216.4	7461.5	8984.3	10521.0
0°	1189.1	1557.5	2086.9	2962.7	3840.8	4551.1	5500.8	6555.3	7817.2	9387.9	11005.0
-2.5°	1315.7	1706.5	2255.8	3108.9	3930.1	4618.7	5575.1	6632.6	7880.8	9389.4	10884.3
-5°	1427.1	1845.3	2408.8	3230.9	3996.7	4663.5	5610.4	6663.8	7887.8	9321.9	10717.6
-7.5°	1522.0	1973.2	2544.9	3318.8	4032.2	4699.4	5618.0	6652.8	7846.2	9199.1	10520.8
-10°	1585.3	2025.9	2553.4	3296.0	4022.5	4713.9	5592.2	6599.5	7748.6	9025.0	10276.9
-12.5°	1544.3	2006.4	2523.0	3245.2	3988.9	4695.2	5532.4	6506.0	7596.9	8809.2	9988.7
-15°	1498.0	1974.0	2473.5	3165.6	3931.6	4641.1	5440.1	6374.6	7336.6	8455.9	9619.8
-17.5°	1448.5	1928.3	2404.3	3056.3	3850.8	4549.9	5269.3	6028.0	6910.6	8008.5	9158.1
-20°	1398.3	1868.7	2314.9	2917.0	3740.0	4318.0	4906.8	5612.1	6449.0	7471.0	8621.9



REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1349.3	1795.0	2220.5	2794.5	3444.5	3989.9	4522.0	5156.6	5916.7	6841.5	7850.1
-25°	1312.3	1718.5	2129.2	2594.4	3133.9	3656.6	4109.0	4671.6	5363.0	6154.1	6952.0
-27.5°	1283.7	1650.7	1999.9	2396.9	2842.0	3320.6	3722.4	4205.5	4856.5	5490.1	6105.9
-30°	1253.1	1561.0	1868.9	2214.8	2608.2	3005.1	3353.7	3825.2	4404.4	4951.1	5441.3
-32.5°	1194.2	1466.2	1754.2	2066.0	2395.9	2722.8	3087.7	3534.3	4018.4	4488.5	4881.8
-35°	1124.4	1377.2	1643.7	1918.9	2197.6	2513.7	2877.1	3260.2	3669.8	4094.9	4543.0
-37.5°	1065.9	1284.6	1530.1	1782.7	2040.0	2334.4	2659.5	3011.2	3374.4	3754.6	4193.3
-40°	1002.9	1188.5	1422.1	1656.1	1892.9	2157.8	2456.6	2768.6	3094.1	3454.1	3833.8
-42.5°	937.4	1114.2	1314.1	1526.9	1749.1	1986.5	2246.4	2536.4	2835.6	3151.8	3491.0
-45°	881.0	1035.9	1207.6	1405.9	1603.5	1813.4	2048.3	2301.0	2581.8	2863.3	3158.5
-47.5°	821.6	958.1	1117.6	1282.9	1464.5	1650.5	1847.1	2085.2	2327.7	2585.8	2841.5
-50°	762.4	890.2	1024.0	1176.4	1332.1	1495.2	1667.6	1880.4	2103.0	2320.0	2544.2
-52.5°	709.3	819.5	945.1	1074.4	1213.2	1354.7	1514.6	1699.8	1895.8	2089.0	2288.7
-55°	654.4	757.6	868.1	984.6	1103.7	1229.6	1376.7	1541.7	1702.9	1882.7	2061.4
-57.5°	602.3	697.6	798.1	900.9	1007.9	1116.6	1258.3	1395.4	1545.1	1694.4	1849.4
-60°	551.5	639.6	731.9	825.1	917.8	1026.8	1147.1	1274.8	1402.2	1529.1	1674.1
-62.5°	500.0	584.3	668.3	752.9	839.0	940.1	1054.7	1167.3	1275.9	1396.7	1519.7
-65°	450.9	527.7	607.1	685.2	761.7	859.7	963.0	1069.4	1175.0	1276.5	1381.0
-67.5°	399.8	469.9	543.0	618.2	691.8	776.8	869.0	966.0	1064.5	1157.9	1253.6
-70°	346.3	409.5	475.4	543.6	614.9	690.6	769.6	854.4	941.6	1024.2	1107.5
-72.5°	290.4	345.2	403.6	465.3	527.3	592.3	661.4	734.3	805.7	874.8	946.9
-75°	236.2	279.1	327.9	379.9	432.7	487.6	545.3	604.8	662.1	718.3	776.2
-77.5°	182.9	216.9	253.9	293.7	333.3	375.9	421.0	468.5	513.1	556.8	601.1
-80°	131.9	153.2	180.3	209.8	239.6	270.0	301.2	333.0	361.5	391.5	423.7
-82.5°	86.8	102.2	118.3	135.1	152.0	169.5	188.5	210.9	229.7	248.3	267.1
-85°	45.8	50.6	60.3	70.5	80.5	90.8	101.4	112.4	122.2	131.5	140.3
-87.5°	26.9	29.5	32.1	34.7	36.9	39.1	41.3	43.5	46.5	49.5	52.5
-90°	4.4	4.4	4.4	4.4	4.1	3.9	3.6	3.3	3.3	3.3	3.3



REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	12.1	12.7	13.2	13.8	14.3	14.6	14.9	15.1	15.4	15.7	16.0
87.5°	6.0	5.9	5.7	5.5	5.3	6.6	7.9	9.3	10.7	9.7	8.7
85°	12.2	12.2	12.1	12.0	11.8	13.6	15.5	17.4	19.3	17.6	15.8
82.5°	22.6	22.2	21.4	20.3	18.9	18.8	18.4	17.8	16.9	16.1	15.4
80°	35.5	33.9	31.8	29.2	26.3	24.7	23.2	21.5	19.6	19.0	18.6
77.5°	48.1	44.9	41.1	37.0	32.6	29.9	27.5	24.9	22.1	21.3	20.9
75°	56.9	52.8	47.2	41.3	35.1	31.0	27.8	24.8	21.8	20.7	20.1
72.5°	60.9	55.0	48.1	40.1	32.5	27.6	24.5	21.7	19.0	17.9	17.4
70°	57.8	49.4	41.5	34.0	26.9	22.2	20.0	18.1	16.4	15.6	15.2
67.5°	49.3	40.7	33.3	26.7	21.2	17.6	16.3	15.2	14.2	13.7	13.5
65°	38.2	31.6	25.8	21.1	17.4	14.9	13.9	13.0	12.1	11.6	11.4
62.5°	29.0	23.8	20.1	17.1	14.8	13.1	12.4	11.8	11.3	10.9	10.7
60°	23.2	18.8	16.5	14.9	13.5	12.3	12.1	12.0	11.8	11.6	11.2
57.5°	19.8	17.1	15.4	15.0	14.4	13.6	13.4	13.3	12.8	12.1	11.7
55°	19.0	18.3	17.5	17.8	17.8	17.1	16.2	15.5	14.8	14.2	14.3
52.5°	21.1	22.5	23.3	23.2	22.1	20.5	18.6	18.8	19.2	19.5	19.8
50°	28.2	29.9	29.9	27.5	27.3	26.4	24.2	25.2	26.6	26.9	27.1
47.5°	39.1	40.8	42.0	37.6	38.4	40.7	38.3	37.6	42.2	44.3	45.3
45°	57.0	64.0	66.0	67.3	65.4	71.5	71.6	68.7	77.8	82.7	84.4
42.5°	95.0	106.8	116.1	118.9	116.7	124.2	130.0	129.6	141.0	149.1	151.2
40°	159.0	170.1	183.5	188.4	190.6	197.5	212.2	221.6	233.0	245.7	252.1
37.5°	241.1	258.5	261.2	271.4	284.3	290.8	313.0	332.0	347.6	371.3	386.5
35°	361.3	407.3	357.8	381.3	413.9	417.6	437.8	481.7	492.7	534.2	557.1
32.5°	583.2	668.8	657.6	578.0	648.0	727.4	638.9	796.3	782.2	826.5	882.8
30°	920.5	1169.4	1197.0	1080.6	1274.9	1380.3	1363.4	1520.2	1620.6	1608.2	1803.2
27.5°	1642.1	1841.7	1932.4	2099.6	2204.6	2360.0	2633.7	2793.2	3080.0	3230.5	3411.0
25°	2423.2	2659.2	2950.5	3238.0	3456.3	3801.0	4185.1	4487.1	4893.0	5147.7	5333.3
22.5°	3267.5	3684.3	4089.9	4490.4	4931.2	5405.8	5859.0	6382.3	6876.4	7241.1	7517.0
20°	4193.1	4770.0	5343.6	5893.4	6443.4	7078.0	7639.1	8268.0	8874.9	9402.6	9765.9
17.5°	5337.3	5940.6	6673.0	7408.7	8121.2	8907.1	9735.9	10441.1	11292.2	11995.1	12523.7
15°	6583.5	7339.0	8138.4	9058.6	10020.9	10993.2	11998.4	13035.2	14004.1	14902.7	15575.9
12.5°	7870.3	8810.7	9784.8	10803.7	11919.5	13129.5	14392.7	15626.8	16824.7	17812.4	18735.9
10°	9106.5	10281.7	11412.0	12605.9	13890.8	15244.4	16723.8	18193.8	19586.0	20802.7	21796.5
7.5°	10189.6	11465.4	12769.5	14233.4	15758.6	17275.5	18878.3	20527.2	22111.8	23514.2	24676.1
5°	11207.7	12538.8	13860.0	15434.9	17117.7	18858.4	20673.0	22525.3	24236.1	25821.7	27108.4
2.5°	12001.6	13401.7	14760.1	16487.0	18262.7	20035.5	21885.8	23911.0	25819.4	27542.9	28805.5
0°	12486.3	13868.4	15181.0	17034.1	18860.8	20721.6	22762.2	24917.5	26927.2	28578.5	29808.4
-2.5°	12318.7	13667.2	15091.1	16911.4	18842.5	20703.6	22767.9	24943.1	26939.7	28617.7	29818.7
-5°	12088.6	13410.5	14851.7	16673.1	18557.8	20416.7	22451.9	24591.0	26552.0	28202.7	29340.2
-7.5°	11805.6	13081.5	14486.9	16253.3	18127.4	19988.6	21969.8	23993.7	25869.1	27509.9	28580.3
-10°	11471.0	12680.6	14070.9	15769.9	17629.8	19423.9	21306.3	23310.8	25193.0	26685.2	27834.0
-12.5°	11123.9	12302.4	13593.4	15200.9	16981.4	18649.4	20446.7	22377.0	24035.2	25561.2	26570.8
-15°	10726.5	11856.6	13067.2	14548.8	16162.6	17723.9	19285.1	20987.2	22500.3	23857.2	24930.0
-17.5°	10266.4	11337.2	12399.7	13732.0	15277.0	16671.5	18038.4	19520.6	20865.7	22111.5	23040.3
-20°	9631.0	10512.2	11533.1	12807.6	14146.0	15322.2	16569.5	17814.6	19012.1	20066.6	20853.1



REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8720.9	9578.3	10524.1	11566.5	12686.3	13766.7	14834.2	15853.1	16827.4	17704.9	18337.9
-25°	7752.1	8535.3	9389.0	10255.5	11149.6	12117.4	13053.8	13894.7	14695.9	15374.0	15895.4
-27.5°	6789.6	7530.2	8276.6	8975.9	9691.0	10499.4	11319.0	12023.1	12701.6	13232.8	13639.3
-30°	5929.8	6721.5	7378.8	7854.6	8547.6	9256.9	9788.2	10428.8	10963.4	11302.3	11739.2
-32.5°	5456.0	6053.2	6649.1	7138.3	7689.0	8311.3	8814.4	9337.8	9788.9	10153.2	10427.9
-35°	5023.9	5548.6	6052.1	6555.4	7047.1	7546.9	8010.7	8452.5	8852.6	9174.8	9429.3
-37.5°	4635.6	5089.8	5545.6	5979.7	6421.5	6839.2	7237.4	7618.4	7954.8	8245.1	8485.1
-40°	4243.6	4649.3	5050.2	5442.8	5829.1	6170.1	6512.4	6827.3	7111.2	7368.1	7577.9
-42.5°	3850.0	4212.1	4563.2	4919.3	5262.1	5558.1	5840.7	6100.9	6344.4	6563.4	6744.4
-45°	3463.1	3782.8	4092.2	4408.3	4697.4	4967.2	5213.5	5432.7	5641.8	5826.4	5978.5
-47.5°	3114.3	3374.7	3650.7	3920.6	4171.5	4414.5	4630.0	4822.8	5006.4	5162.6	5286.8
-50°	2790.1	3027.9	3260.6	3479.2	3713.7	3926.7	4109.1	4286.8	4453.7	4593.2	4697.9
-52.5°	2485.4	2704.7	2914.0	3118.0	3321.4	3511.0	3685.9	3848.4	3994.2	4122.1	4212.8
-55°	2244.1	2423.4	2592.9	2789.2	2975.9	3144.4	3301.1	3458.8	3599.4	3723.5	3799.3
-57.5°	2015.7	2177.5	2338.8	2508.5	2672.8	2831.1	2979.8	3118.1	3247.5	3363.7	3429.0
-60°	1811.8	1942.4	2095.9	2252.4	2401.3	2542.6	2682.2	2811.9	2932.3	3033.4	3091.1
-62.5°	1641.1	1765.1	1895.0	2025.7	2154.6	2286.1	2412.7	2533.2	2647.4	2739.5	2795.6
-65°	1490.6	1602.9	1716.4	1832.2	1949.5	2065.3	2173.2	2279.0	2382.3	2461.2	2511.7
-67.5°	1348.9	1445.5	1540.8	1639.4	1740.5	1840.4	1935.5	2029.4	2121.3	2184.9	2224.5
-70°	1193.5	1278.9	1361.0	1443.9	1526.5	1607.7	1686.3	1764.7	1842.2	1893.4	1927.2
-72.5°	1021.4	1092.6	1159.2	1225.5	1293.0	1359.7	1424.4	1487.3	1548.0	1587.6	1616.8
-75°	835.4	889.8	941.6	993.8	1046.1	1100.3	1153.7	1204.9	1253.7	1283.4	1306.1
-77.5°	646.1	684.6	721.1	757.9	794.7	836.7	879.2	920.5	960.1	981.1	996.8
-80°	456.3	483.3	508.2	532.0	554.7	581.5	608.4	634.5	659.6	671.6	680.4
-82.5°	285.8	301.6	316.5	330.5	343.7	358.1	371.7	384.4	396.0	401.8	406.1
-85°	148.7	155.6	161.9	167.8	173.2	179.8	186.1	191.9	197.3	199.0	200.2
-87.5°	55.5	57.6	59.6	61.5	63.3	65.8	68.3	70.6	73.0	73.6	74.1
-90°	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5	2.2	2.2	2.2



REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	16.2	16.5	16.5	16.5	16.5	16.5	16.2	16.0	15.7	15.4	15.1
87.5°	7.7	6.6	6.0	5.5	6.0	6.6	7.7	8.7	9.7	10.7	9.3
85°	14.0	12.1	11.5	11.0	11.5	12.1	14.0	15.8	17.6	19.3	17.4
82.5°	14.8	14.3	14.3	14.3	14.3	14.3	14.8	15.4	16.1	16.9	17.8
80°	18.1	17.6	17.6	17.6	17.6	17.6	18.1	18.6	19.0	19.6	21.5
77.5°	20.4	19.9	19.9	19.9	19.9	19.9	20.4	20.9	21.3	22.1	24.9
75°	19.5	18.9	18.8	18.8	18.8	18.9	19.5	20.1	20.7	21.8	24.8
72.5°	17.0	16.6	16.5	16.5	16.5	16.6	17.0	17.4	17.9	19.0	21.7
70°	14.8	14.4	14.3	14.3	14.3	14.4	14.8	15.2	15.6	16.4	18.1
67.5°	13.3	13.2	13.2	13.2	13.2	13.2	13.3	13.5	13.7	14.2	15.2
65°	11.2	11.1	11.0	11.0	11.0	11.1	11.2	11.4	11.6	12.1	13.0
62.5°	10.4	10.0	9.4	8.8	9.4	10.0	10.4	10.7	10.9	11.3	11.8
60°	10.7	10.1	9.9	9.9	9.9	10.1	10.7	11.2	11.6	11.8	12.0
57.5°	11.3	11.0	11.0	11.0	11.0	11.0	11.3	11.7	12.1	12.8	13.3
55°	14.3	14.2	14.2	14.3	14.2	14.2	14.3	14.3	14.2	14.8	15.5
52.5°	20.0	19.8	19.8	19.9	19.8	19.8	20.0	19.8	19.5	19.2	18.8
50°	27.4	27.4	27.1	26.5	27.1	27.4	27.4	27.1	26.9	26.6	25.2
47.5°	46.0	45.3	44.5	44.1	44.5	45.3	46.0	45.3	44.3	42.2	37.6
45°	86.4	85.7	84.5	83.8	84.5	85.7	86.4	84.4	82.7	77.8	68.7
42.5°	154.7	153.5	150.6	148.9	150.6	153.5	154.7	151.2	149.1	141.0	129.6
40°	259.3	260.7	258.4	257.0	258.4	260.7	259.3	252.1	245.7	233.0	221.6
37.5°	398.6	404.4	403.7	401.5	403.7	404.4	398.6	386.5	371.3	347.6	332.0
35°	567.6	574.1	570.8	570.3	570.8	574.1	567.6	557.1	534.2	492.7	481.7
32.5°	840.5	831.0	795.4	805.2	795.4	831.0	840.5	882.8	826.5	782.2	796.3
30°	1816.3	1851.2	1751.7	1672.2	1751.7	1851.2	1816.3	1803.2	1608.2	1620.6	1520.2
27.5°	3428.8	3504.1	3490.1	3571.6	3490.1	3504.1	3428.8	3411.0	3230.5	3080.0	2793.2
25°	5406.1	5456.0	5459.2	5312.2	5459.2	5456.0	5406.1	5333.3	5147.7	4893.0	4487.1
22.5°	7619.1	7667.3	7755.2	7755.4	7755.2	7667.3	7619.1	7517.0	7241.1	6876.4	6382.3
20°	10018.5	10027.3	10195.3	10207.5	10195.3	10027.3	10018.5	9765.9	9402.6	8874.9	8268.0
17.5°	12895.8	13035.8	13262.8	13130.5	13262.8	13035.8	12895.8	12523.7	11995.1	11292.2	10441.1
15°	16212.8	16525.4	16768.1	16659.1	16768.1	16525.4	16212.8	15575.9	14902.7	14004.1	13035.2
12.5°	19470.3	19963.0	20197.7	20140.3	20197.7	19963.0	19470.3	18735.9	17812.4	16824.7	15626.8
10°	22570.8	23264.5	23513.7	23601.6	23513.7	23264.5	22570.8	21796.5	20802.7	19586.0	18193.8
7.5°	25543.3	26179.0	26556.7	26398.9	26556.7	26179.0	25543.3	24676.1	23514.2	22111.8	20527.2
5°	27929.0	28465.9	28771.0	28662.3	28771.0	28465.9	27929.0	27108.4	25821.7	24236.1	22525.3
2.5°	29618.5	30119.9	30384.4	30251.3	30384.4	30119.9	29618.5	28805.5	27542.9	25819.4	23911.0
0°	30583.8	31094.5	31394.0	31415.5	31394.0	31094.5	30583.8	29808.4	28578.5	26927.2	24917.5
-2.5°	30546.1	30906.9	31117.3	31010.1	31117.3	30906.9	30546.1	29818.7	28617.7	26939.7	24943.1
-5°	29906.6	30211.3	30320.6	30273.8	30320.6	30211.3	29906.6	29340.2	28202.7	26552.0	24591.0
-7.5°	29117.7	29342.3	29417.4	29361.7	29417.4	29342.3	29117.7	28580.3	27509.9	25869.1	23993.7
-10°	28354.4	28579.0	28617.0	28585.1	28617.0	28579.0	28354.4	27834.0	26685.2	25193.0	23310.8
-12.5°	27243.2	27486.5	27494.4	27420.3	27494.4	27486.5	27243.2	26570.8	25561.2	24035.2	22377.0
-15°	25510.0	25709.0	25741.1	25699.6	25741.1	25709.0	25510.0	24930.0	23857.2	22500.3	20987.2
-17.5°	23583.6	23715.3	23858.1	24017.4	23858.1	23715.3	23583.6	23040.3	22111.5	20865.7	19520.6
-20°	21270.6	21428.2	21596.6	21775.0	21596.6	21428.2	21270.6	20853.1	20066.6	19012.1	17814.6



REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18671.1	18848.2	19020.9	19111.1	19020.9	18848.2	18671.1	18337.9	17704.9	16827.4	15853.1
-25°	16156.5	16372.2	16508.5	16590.7	16508.5	16372.2	16156.5	15895.4	15374.0	14695.9	13894.7
-27.5°	13851.3	14107.0	14232.8	14286.5	14232.8	14107.0	13851.3	13639.3	13232.8	12701.6	12023.1
-30°	11909.7	12066.7	12088.5	12169.8	12088.5	12066.7	11909.7	11739.2	11302.3	10963.4	10428.8
-32.5°	10629.7	10804.1	10910.1	10999.4	10910.1	10804.1	10629.7	10427.9	10153.2	9788.9	9337.8
-35°	9626.9	9784.9	9888.8	9931.7	9888.8	9784.9	9626.9	9429.3	9174.8	8852.6	8452.5
-37.5°	8665.7	8785.0	8857.7	8915.8	8857.7	8785.0	8665.7	8485.1	8245.1	7954.8	7618.4
-40°	7738.9	7857.3	7929.2	7948.5	7929.2	7857.3	7738.9	7577.9	7368.1	7111.2	6827.3
-42.5°	6873.9	6965.1	7027.7	7070.4	7027.7	6965.1	6873.9	6744.4	6563.4	6344.4	6100.9
-45°	6090.6	6170.9	6226.6	6260.8	6226.6	6170.9	6090.6	5978.5	5826.4	5641.8	5432.7
-47.5°	5378.2	5442.8	5487.2	5513.0	5487.2	5442.8	5378.2	5286.8	5162.6	5006.4	4822.8
-50°	4776.0	4833.8	4874.8	4899.7	4874.8	4833.8	4776.0	4697.9	4593.2	4453.7	4286.8
-52.5°	4283.6	4339.8	4381.0	4407.7	4381.0	4339.8	4283.6	4212.8	4122.1	3994.2	3848.4
-55°	3862.2	3913.8	3951.1	3975.3	3951.1	3913.8	3862.2	3799.3	3723.5	3599.4	3458.8
-57.5°	3484.4	3530.0	3561.6	3581.5	3561.6	3530.0	3484.4	3429.0	3363.7	3247.5	3118.1
-60°	3140.3	3181.4	3210.5	3230.8	3210.5	3181.4	3140.3	3091.1	3033.4	2932.3	2811.9
-62.5°	2845.3	2888.4	2911.5	2924.1	2911.5	2888.4	2845.3	2795.6	2739.5	2647.4	2533.2
-65°	2558.2	2599.8	2622.2	2635.1	2622.2	2599.8	2558.2	2511.7	2461.2	2382.3	2279.0
-67.5°	2259.4	2289.4	2312.3	2329.6	2312.3	2289.4	2259.4	2224.5	2184.9	2121.3	2029.4
-70°	1956.3	1980.6	1981.3	1974.4	1981.3	1980.6	1956.3	1927.2	1893.4	1842.2	1764.7
-72.5°	1642.2	1663.5	1669.0	1668.9	1669.0	1663.5	1642.2	1616.8	1587.6	1548.0	1487.3
-75°	1325.7	1342.0	1353.0	1360.0	1353.0	1342.0	1325.7	1306.1	1283.4	1253.7	1204.9
-77.5°	1009.5	1019.3	1028.5	1034.6	1028.5	1019.3	1009.5	996.8	981.1	960.1	920.5
-80°	687.1	691.7	692.7	691.6	692.7	691.7	687.1	680.4	671.6	659.6	634.5
-82.5°	409.3	411.2	409.2	405.9	409.2	411.2	409.3	406.1	401.8	396.0	384.4
-85°	200.8	200.9	200.5	199.6	200.5	200.9	200.8	200.2	199.0	197.3	191.9
-87.5°	74.5	74.8	76.0	77.2	76.0	74.8	74.5	74.1	73.6	73.0	70.6
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5



REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	14.9	14.6	14.3	13.8	13.2	12.7	12.1	11.6	11.0	10.5	9.9
87.5°	7.9	6.6	5.3	5.5	5.7	5.9	6.0	5.7	5.4	5.1	4.9
85°	15.5	13.6	11.8	12.0	12.1	12.2	12.2	12.0	11.6	11.1	10.5
82.5°	18.4	18.8	18.9	20.3	21.4	22.2	22.6	22.7	22.3	21.6	20.4
80°	23.2	24.7	26.3	29.2	31.8	33.9	35.5	36.6	37.3	37.5	36.4
77.5°	27.5	29.9	32.6	37.0	41.1	44.9	48.1	50.1	51.2	51.8	50.5
75°	27.8	31.0	35.1	41.3	47.2	52.8	56.9	59.5	61.8	63.6	62.2
72.5°	24.5	27.6	32.5	40.1	48.1	55.0	60.9	65.9	70.0	73.1	70.5
70°	20.0	22.2	26.9	34.0	41.5	49.4	57.8	66.6	75.5	81.4	76.7
67.5°	16.3	17.6	21.2	26.7	33.3	40.7	49.3	59.2	68.9	78.2	76.5
65°	13.9	14.9	17.4	21.1	25.8	31.6	38.2	46.4	56.6	67.2	68.1
62.5°	12.4	13.1	14.8	17.1	20.1	23.8	29.0	35.9	43.8	50.3	53.8
60°	12.1	12.3	13.5	14.9	16.5	18.8	23.2	28.0	33.2	38.8	41.8
57.5°	13.4	13.6	14.4	15.0	15.4	17.1	19.8	22.9	27.7	31.3	33.4
55°	16.2	17.1	17.8	17.8	17.5	18.3	19.0	20.6	24.2	27.5	30.5
52.5°	18.6	20.5	22.1	23.2	23.3	22.5	21.1	21.7	23.7	27.0	29.7
50°	24.2	26.4	27.3	27.5	29.9	29.9	28.2	26.0	29.2	30.7	30.9
47.5°	38.3	40.7	38.4	37.6	42.0	40.8	39.1	38.9	42.7	39.6	38.4
45°	71.6	71.5	65.4	67.3	66.0	64.0	57.0	63.0	64.1	60.6	50.0
42.5°	130.0	124.2	116.7	118.9	116.1	106.8	95.0	98.0	96.1	88.4	82.1
40°	212.2	197.5	190.6	188.4	183.5	170.1	159.0	143.0	137.8	126.2	124.2
37.5°	313.0	290.8	284.3	271.4	261.2	258.5	241.1	212.0	186.3	197.5	183.3
35°	437.8	417.6	413.9	381.3	357.8	407.3	361.3	303.6	290.4	317.5	271.1
32.5°	638.9	727.4	648.0	578.0	657.6	668.8	583.2	445.7	513.5	512.1	427.8
30°	1363.4	1380.3	1274.9	1080.6	1197.0	1169.4	920.5	887.5	868.1	776.9	635.2
27.5°	2633.7	2360.0	2204.6	2099.6	1932.4	1841.7	1642.1	1436.0	1320.5	1153.6	930.6
25°	4185.1	3801.0	3456.3	3238.0	2950.5	2659.2	2423.2	2132.0	1882.2	1614.6	1301.9
22.5°	5859.0	5405.8	4931.2	4490.4	4089.9	3684.3	3267.5	2852.0	2497.9	2149.9	1752.0
20°	7639.1	7078.0	6443.4	5893.4	5343.6	4770.0	4193.1	3691.6	3232.2	2740.2	2236.5
17.5°	9735.9	8907.1	8121.2	7408.7	6673.0	5940.6	5337.3	4706.6	4037.5	3361.9	2739.6
15°	11998.4	10993.2	10020.9	9058.6	8138.4	7339.0	6583.5	5781.1	4918.0	4051.4	3311.5
12.5°	14392.7	13129.5	11919.5	10803.7	9784.8	8810.7	7870.3	6905.9	5859.2	4831.5	3982.1
10°	16723.8	15244.4	13890.8	12605.9	11412.0	10281.7	9106.5	7939.4	6755.5	5600.7	4629.5
7.5°	18878.3	17275.5	15758.6	14233.4	12769.5	11465.4	10189.6	8907.9	7613.0	6329.2	5249.3
5°	20673.0	18858.4	17117.7	15434.9	13860.0	12538.8	11207.7	9824.6	8420.4	7011.3	5835.7
2.5°	21885.8	20035.5	18262.7	16487.0	14760.1	13401.7	12001.6	10521.0	8984.3	7461.5	6216.4
0°	22762.2	20721.6	18860.8	17034.1	15181.0	13868.4	12486.3	11005.0	9387.9	7817.2	6555.3
-2.5°	22767.9	20703.6	18842.5	16911.4	15091.1	13667.2	12318.7	10884.3	9389.4	7880.8	6632.6
-5°	22451.9	20416.7	18557.8	16673.1	14851.7	13410.5	12088.6	10717.6	9321.9	7887.8	6663.8
-7.5°	21969.8	19988.6	18127.4	16253.3	14486.9	13081.5	11805.6	10520.8	9199.1	7846.2	6652.8
-10°	21306.3	19423.9	17629.8	15769.9	14070.9	12680.6	11471.0	10276.9	9025.0	7748.6	6599.5
-12.5°	20446.7	18649.4	16981.4	15200.9	13593.4	12302.4	11123.9	9988.7	8809.2	7596.9	6506.0
-15°	19285.1	17723.9	16162.6	14548.8	13067.2	11856.6	10726.5	9619.8	8455.9	7336.6	6374.6
-17.5°	18038.4	16671.5	15277.0	13732.0	12399.7	11337.2	10266.4	9158.1	8008.5	6910.6	6028.0
-20°	16569.5	15322.2	14146.0	12807.6	11533.1	10512.2	9631.0	8621.9	7471.0	6449.0	5612.1



REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14834.2	13766.7	12686.3	11566.5	10524.1	9578.3	8720.9	7850.1	6841.5	5916.7	5156.6
-25°	13053.8	12117.4	11149.6	10255.5	9389.0	8535.3	7752.1	6952.0	6154.1	5363.0	4671.6
-27.5°	11319.0	10499.4	9691.0	8975.9	8276.6	7530.2	6789.6	6105.9	5490.1	4856.5	4205.5
-30°	9788.2	9256.9	8547.6	7854.6	7378.8	6721.5	5929.8	5441.3	4951.1	4404.4	3825.2
-32.5°	8814.4	8311.3	7689.0	7138.3	6649.1	6053.2	5456.0	4881.8	4488.5	4018.4	3534.3
-35°	8010.7	7546.9	7047.1	6555.4	6052.1	5548.6	5023.9	4543.0	4094.9	3669.8	3260.2
-37.5°	7237.4	6839.2	6421.5	5979.7	5545.6	5089.8	4635.6	4193.3	3754.6	3374.4	3011.2
-40°	6512.4	6170.1	5829.1	5442.8	5050.2	4649.3	4243.6	3833.8	3454.1	3094.1	2768.6
-42.5°	5840.7	5558.1	5262.1	4919.3	4563.2	4212.1	3850.0	3491.0	3151.8	2835.6	2536.4
-45°	5213.5	4967.2	4697.4	4408.3	4092.2	3782.8	3463.1	3158.5	2863.3	2581.8	2301.0
-47.5°	4630.0	4414.5	4171.5	3920.6	3650.7	3374.7	3114.3	2841.5	2585.8	2327.7	2085.2
-50°	4109.1	3926.7	3713.7	3479.2	3260.6	3027.9	2790.1	2544.2	2320.0	2103.0	1880.4
-52.5°	3685.9	3511.0	3321.4	3118.0	2914.0	2704.7	2485.4	2288.7	2089.0	1895.8	1699.8
-55°	3301.1	3144.4	2975.9	2789.2	2592.9	2423.4	2244.1	2061.4	1882.7	1702.9	1541.7
-57.5°	2979.8	2831.1	2672.8	2508.5	2338.8	2177.5	2015.7	1849.4	1694.4	1545.1	1395.4
-60°	2682.2	2542.6	2401.3	2252.4	2095.9	1942.4	1811.8	1674.1	1529.1	1402.2	1274.8
-62.5°	2412.7	2286.1	2154.6	2025.7	1895.0	1765.1	1641.1	1519.7	1396.7	1275.9	1167.3
-65°	2173.2	2065.3	1949.5	1832.2	1716.4	1602.9	1490.6	1381.0	1276.5	1175.0	1069.4
-67.5°	1935.5	1840.4	1740.5	1639.4	1540.8	1445.5	1348.9	1253.6	1157.9	1064.5	966.0
-70°	1686.3	1607.7	1526.5	1443.9	1361.0	1278.9	1193.5	1107.5	1024.2	941.6	854.4
-72.5°	1424.4	1359.7	1293.0	1225.5	1159.2	1092.6	1021.4	946.9	874.8	805.7	734.3
-75°	1153.7	1100.3	1046.1	993.8	941.6	889.8	835.4	776.2	718.3	662.1	604.8
-77.5°	879.2	836.7	794.7	757.9	721.1	684.6	646.1	601.1	556.8	513.1	468.5
-80°	608.4	581.5	554.7	532.0	508.2	483.3	456.3	423.7	391.5	361.5	333.0
-82.5°	371.7	358.1	343.7	330.5	316.5	301.6	285.8	267.1	248.3	229.7	210.9
-85°	186.1	179.8	173.2	167.8	161.9	155.6	148.7	140.3	131.5	122.2	112.4
-87.5°	68.3	65.8	63.3	61.5	59.6	57.6	55.5	52.5	49.5	46.5	43.5
-90°	2.8	3.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3



REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	9.6	9.4	9.1	8.8	8.5	8.3	8.0	7.7	7.4	7.2	6.9
87.5°	5.8	6.7	7.5	8.2	7.8	7.4	7.1	6.7	6.7	6.7	6.6
85°	10.8	11.1	11.6	12.1	11.4	10.4	9.7	9.1	9.0	8.9	8.7
82.5°	18.4	17.5	17.0	16.7	16.4	15.7	14.8	13.4	11.9	11.2	10.9
80°	32.5	28.9	25.8	23.2	21.7	21.1	20.3	18.8	15.7	13.5	12.4
77.5°	45.2	40.3	35.8	31.5	27.7	25.2	23.7	22.9	19.3	15.7	13.4
75°	56.4	50.1	44.1	38.5	33.2	28.9	25.8	23.6	20.6	17.6	14.4
72.5°	63.8	57.4	51.3	44.7	37.8	32.0	27.5	24.2	21.2	18.1	15.1
70°	69.5	63.2	56.7	49.3	41.8	34.8	29.1	25.1	21.7	18.6	15.5
67.5°	73.4	65.8	59.3	53.0	45.3	37.6	30.5	26.1	22.6	19.0	15.9
65°	65.8	63.3	60.2	53.5	47.0	40.2	32.5	27.4	23.4	19.7	16.2
62.5°	56.0	56.3	54.4	52.4	47.2	40.8	34.6	29.4	24.4	20.4	16.7
60°	43.8	46.4	48.2	47.4	45.2	40.6	35.3	31.2	26.0	21.1	17.2
57.5°	36.3	37.3	40.0	42.0	41.4	38.8	35.7	32.2	27.5	22.2	17.8
55°	31.4	33.0	34.1	35.7	37.2	35.9	35.4	32.7	28.7	23.4	18.6
52.5°	31.3	31.9	32.1	31.6	32.3	33.4	33.9	33.2	29.2	24.4	19.8
50°	32.6	35.4	33.6	31.3	28.9	30.7	32.6	32.3	29.8	25.3	21.1
47.5°	38.5	42.4	40.1	33.7	29.9	28.4	30.9	31.4	30.4	25.8	22.5
45°	54.3	53.7	50.1	42.3	32.9	30.4	29.4	30.5	29.7	27.2	23.8
42.5°	75.9	72.8	65.0	52.5	45.9	34.6	28.3	29.6	29.1	28.8	25.1
40°	113.8	97.8	84.6	76.8	65.5	40.1	32.4	29.0	28.9	30.3	26.6
37.5°	158.2	134.3	111.3	111.8	92.4	62.4	37.8	28.7	30.6	31.6	28.2
35°	223.1	180.9	166.7	159.4	131.1	88.7	43.9	30.8	33.0	33.3	30.0
32.5°	297.6	271.5	261.9	219.8	176.4	118.8	62.1	39.6	36.1	35.4	31.8
30°	473.4	431.7	387.0	289.6	230.4	161.2	91.8	48.6	39.9	37.8	33.7
27.5°	756.9	621.6	541.0	403.0	296.5	209.6	129.1	57.7	44.3	40.7	35.5
25°	1062.8	872.9	724.8	546.4	368.7	284.4	171.0	68.0	51.1	44.2	37.6
22.5°	1408.3	1144.6	928.5	707.0	483.3	371.3	224.8	100.8	58.9	48.1	39.8
20°	1758.6	1420.2	1160.1	905.1	632.7	470.1	292.6	135.5	66.7	52.2	42.1
17.5°	2124.9	1770.6	1476.6	1131.5	800.0	574.1	365.9	171.5	74.3	56.5	44.5
15°	2685.3	2216.6	1816.3	1378.5	965.8	681.9	443.2	208.1	81.7	61.0	49.4
12.5°	3267.5	2670.8	2170.6	1639.9	1128.5	791.6	522.5	244.5	89.0	70.3	57.5
10°	3835.1	3127.2	2532.7	1908.9	1286.4	901.4	601.9	292.5	110.9	83.6	65.7
7.5°	4383.0	3579.0	2895.0	2178.0	1450.1	1045.7	745.9	367.0	135.6	97.1	74.0
5°	4875.7	3975.5	3237.1	2460.2	1673.3	1223.5	899.6	441.2	160.7	110.6	82.3
2.5°	5207.0	4277.9	3551.7	2723.8	1886.3	1394.5	1048.9	512.7	185.5	123.9	90.4
0°	5500.8	4551.1	3840.8	2962.7	2086.9	1557.5	1189.1	579.1	209.6	136.8	98.2
-2.5°	5575.1	4618.7	3930.1	3108.9	2255.8	1706.5	1315.7	681.6	287.7	185.1	128.9
-5°	5610.4	4663.5	3996.7	3230.9	2408.8	1845.3	1427.1	775.2	363.1	232.1	158.8
-7.5°	5618.0	4699.4	4032.2	3318.8	2544.9	1973.2	1522.0	858.6	434.2	277.1	187.4
-10°	5592.2	4713.9	4022.5	3296.0	2553.4	2025.9	1585.3	930.7	499.6	319.2	214.5
-12.5°	5532.4	4695.2	3988.9	3245.2	2523.0	2006.4	1544.3	958.0	555.9	357.9	239.4
-15°	5440.1	4641.1	3931.6	3165.6	2473.5	1974.0	1498.0	962.3	590.3	391.8	262.0
-17.5°	5269.3	4549.9	3850.8	3056.3	2404.3	1928.3	1448.5	960.7	619.7	421.0	283.4
-20°	4906.8	4318.0	3740.0	2917.0	2314.9	1868.7	1398.3	954.1	644.0	446.3	303.4



REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4522.0	3989.9	3444.5	2794.5	2220.5	1795.0	1349.3	943.0	662.8	467.3	320.5
-25°	4109.0	3656.6	3133.9	2594.4	2129.2	1718.5	1312.3	928.0	676.0	483.9	334.5
-27.5°	3722.4	3320.6	2842.0	2396.9	1999.9	1650.7	1283.7	937.4	686.9	495.7	345.2
-30°	3353.7	3005.1	2608.2	2214.8	1868.9	1561.0	1253.1	941.2	698.4	505.6	352.3
-32.5°	3087.7	2722.8	2395.9	2066.0	1754.2	1466.2	1194.2	937.9	703.4	512.5	357.9
-35°	2877.1	2513.7	2197.6	1918.9	1643.7	1377.2	1124.4	927.5	702.0	514.6	360.6
-37.5°	2659.5	2334.4	2040.0	1782.7	1530.1	1284.6	1065.9	882.2	693.9	511.7	359.8
-40°	2456.6	2157.8	1892.9	1656.1	1422.1	1188.5	1002.9	836.9	684.1	503.9	355.4
-42.5°	2246.4	1986.5	1749.1	1526.9	1314.1	1114.2	937.4	788.6	651.1	493.9	347.4
-45°	2048.3	1813.4	1603.5	1405.9	1207.6	1035.9	881.0	738.8	613.3	480.5	337.5
-47.5°	1847.1	1650.5	1464.5	1282.9	1117.6	958.1	821.6	694.5	573.5	462.0	326.6
-50°	1667.6	1495.2	1332.1	1176.4	1024.0	890.2	762.4	648.1	537.2	429.7	312.4
-52.5°	1514.6	1354.7	1213.2	1074.4	945.1	819.5	709.3	600.5	499.2	399.4	295.0
-55°	1376.7	1229.6	1103.7	984.6	868.1	757.6	654.4	556.8	459.8	369.0	275.1
-57.5°	1258.3	1116.6	1007.9	900.9	798.1	697.6	602.3	511.7	422.8	337.3	256.9
-60°	1147.1	1026.8	917.8	825.1	731.9	639.6	551.5	466.6	385.4	305.1	234.1
-62.5°	1054.7	940.1	839.0	752.9	668.3	584.3	500.0	423.3	346.6	275.2	208.9
-65°	963.0	859.7	761.7	685.2	607.1	527.7	450.9	378.5	308.9	243.7	184.3
-67.5°	869.0	776.8	691.8	618.2	543.0	469.9	399.8	333.3	270.3	210.8	162.6
-70°	769.6	690.6	614.9	543.6	475.4	409.5	346.3	286.8	230.1	182.6	139.8
-72.5°	661.4	592.3	527.3	465.3	403.6	345.2	290.4	239.8	194.6	153.3	116.0
-75°	545.3	487.6	432.7	379.9	327.9	279.1	236.2	196.2	157.9	123.0	94.5
-77.5°	421.0	375.9	333.3	293.7	253.9	216.9	182.9	151.3	121.8	96.4	73.4
-80°	301.2	270.0	239.6	209.8	180.3	153.2	131.9	111.2	89.5	69.7	51.8
-82.5°	188.5	169.5	152.0	135.1	118.3	102.2	86.8	72.2	56.6	42.5	34.3
-85°	101.4	90.8	80.5	70.5	60.3	50.6	45.8	41.1	35.4	30.1	25.2
-87.5°	41.3	39.1	36.9	34.7	32.1	29.5	26.9	24.5	21.4	18.6	16.1
-90°	3.6	3.9	4.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4



REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.6	6.3	6.1	5.8	5.5	5.0	4.4
87.5°	6.4	5.9	5.4	5.1	4.8	4.6	4.4
85°	8.4	7.4	6.5	5.8	5.2	4.7	4.4
82.5°	10.3	8.8	7.5	6.4	5.5	4.9	4.4
80°	12.1	10.3	8.5	7.1	5.9	5.1	4.4
77.5°	12.3	11.2	9.5	7.7	6.3	5.2	4.4
75°	12.5	11.3	10.3	8.4	6.7	5.4	4.4
72.5°	12.6	11.3	10.3	9.0	7.0	5.5	4.4
70°	12.8	11.3	10.2	9.5	7.4	5.7	4.4
67.5°	13.2	11.3	10.1	9.3	7.7	5.9	4.4
65°	13.7	11.5	10.0	9.2	8.0	6.0	4.4
62.5°	14.1	11.8	9.9	9.1	8.3	6.1	4.4
60°	14.5	12.2	9.7	8.9	8.6	6.3	4.4
57.5°	15.2	12.6	10.0	8.8	8.6	6.4	4.4
55°	15.9	12.9	10.3	8.6	8.5	6.6	4.4
52.5°	16.6	13.3	10.6	8.4	8.5	6.7	4.4
50°	17.3	13.9	10.9	8.2	8.4	6.8	4.4
47.5°	18.1	14.6	11.1	8.1	8.4	6.9	4.4
45°	19.2	15.2	11.4	8.3	8.4	7.0	4.4
42.5°	20.3	15.8	11.6	8.4	8.4	7.1	4.4
40°	21.4	16.3	11.9	8.8	8.4	7.2	4.4
37.5°	22.5	16.9	12.4	9.2	8.5	7.3	4.4
35°	23.6	17.6	12.8	9.7	8.5	7.4	4.4
32.5°	24.7	18.4	13.2	10.2	8.6	7.4	4.4
30°	26.1	19.2	13.5	10.7	8.7	7.5	4.4
27.5°	27.5	19.9	14.6	11.2	8.7	7.6	4.4
25°	29.0	20.6	15.8	11.7	8.8	7.6	4.4
22.5°	30.4	21.9	17.1	12.2	8.9	7.6	4.4
20°	31.8	24.6	18.4	12.8	9.0	7.7	4.4
17.5°	35.5	27.5	19.8	13.3	9.1	7.7	4.4
15°	40.7	30.5	21.1	13.8	9.2	7.7	4.4
12.5°	46.0	33.6	22.5	14.3	9.4	7.7	4.4
10°	51.3	36.7	23.8	14.8	9.5	7.7	4.4
7.5°	56.6	39.8	25.1	15.3	9.6	7.7	4.4
5°	61.8	42.8	26.4	15.7	9.7	7.7	4.4
2.5°	66.8	45.7	27.6	16.1	9.8	7.7	4.4
0°	71.7	48.5	28.7	16.5	9.9	7.7	4.4
-2.5°	90.3	58.9	34.3	18.9	10.6	7.8	4.4
-5°	108.4	69.0	39.7	21.3	11.3	8.0	4.4
-7.5°	125.7	78.7	44.9	23.6	12.0	8.1	4.4
-10°	141.9	87.8	49.8	25.8	12.7	8.2	4.4
-12.5°	157.0	96.2	54.4	27.8	13.3	8.3	4.4
-15°	170.5	103.9	58.6	29.6	13.9	8.4	4.4
-17.5°	182.4	110.7	62.3	31.3	14.4	8.5	4.4
-20°	194.0	116.5	65.5	32.7	14.9	8.6	4.4



REPORT NUMBER: P1306034 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-40-80-7F-CV2-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	206.3	121.3	68.1	33.8	15.3	8.6	4.4
-25°	216.6	127.6	70.1	34.8	15.7	8.7	4.4
-27.5°	224.5	133.5	71.5	35.4	16.0	8.7	4.4
-30°	230.1	138.0	72.4	35.7	16.3	8.7	4.4
-32.5°	233.3	140.9	74.6	35.8	16.5	8.7	4.4
-35°	235.8	142.3	75.9	35.5	16.6	8.7	4.4
-37.5°	236.7	142.6	76.4	34.8	16.6	8.7	4.4
-40°	235.2	142.7	75.9	33.9	16.5	8.6	4.4
-42.5°	231.2	141.2	75.2	33.0	16.4	8.6	4.4
-45°	224.8	138.3	74.5	32.4	16.2	8.5	4.4
-47.5°	215.9	133.9	73.0	31.4	15.9	8.4	4.4
-50°	207.7	128.1	70.7	31.0	15.6	8.3	4.4
-52.5°	197.9	120.8	67.7	30.7	15.1	8.2	4.4
-55°	186.0	114.6	63.9	30.0	14.6	8.0	4.4
-57.5°	172.3	107.8	59.4	29.0	14.1	7.9	4.4
-60°	157.2	99.9	54.3	27.6	13.4	7.7	4.4
-62.5°	144.5	91.0	50.6	25.8	12.9	7.5	4.4
-65°	130.4	81.1	46.4	23.8	12.4	7.3	4.4
-67.5°	115.0	71.6	41.7	21.5	11.8	7.1	4.4
-70°	98.4	62.8	36.5	18.9	11.2	6.9	4.4
-72.5°	83.7	53.3	30.8	17.3	10.6	6.7	4.4
-75°	68.4	43.2	24.8	15.8	9.9	6.5	4.4
-77.5°	52.4	32.6	21.3	14.3	9.2	6.2	4.4
-80°	35.8	25.7	18.4	12.7	8.5	6.0	4.4
-82.5°	27.8	21.0	15.4	11.0	7.8	5.7	4.4
-85°	20.8	16.2	12.3	9.3	7.0	5.5	4.4
-87.5°	13.7	11.3	9.2	7.5	6.3	5.2	4.4
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)