

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: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-57-70-5S-VHE-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1306104 (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-08-320N-57-70-5S-VHE-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

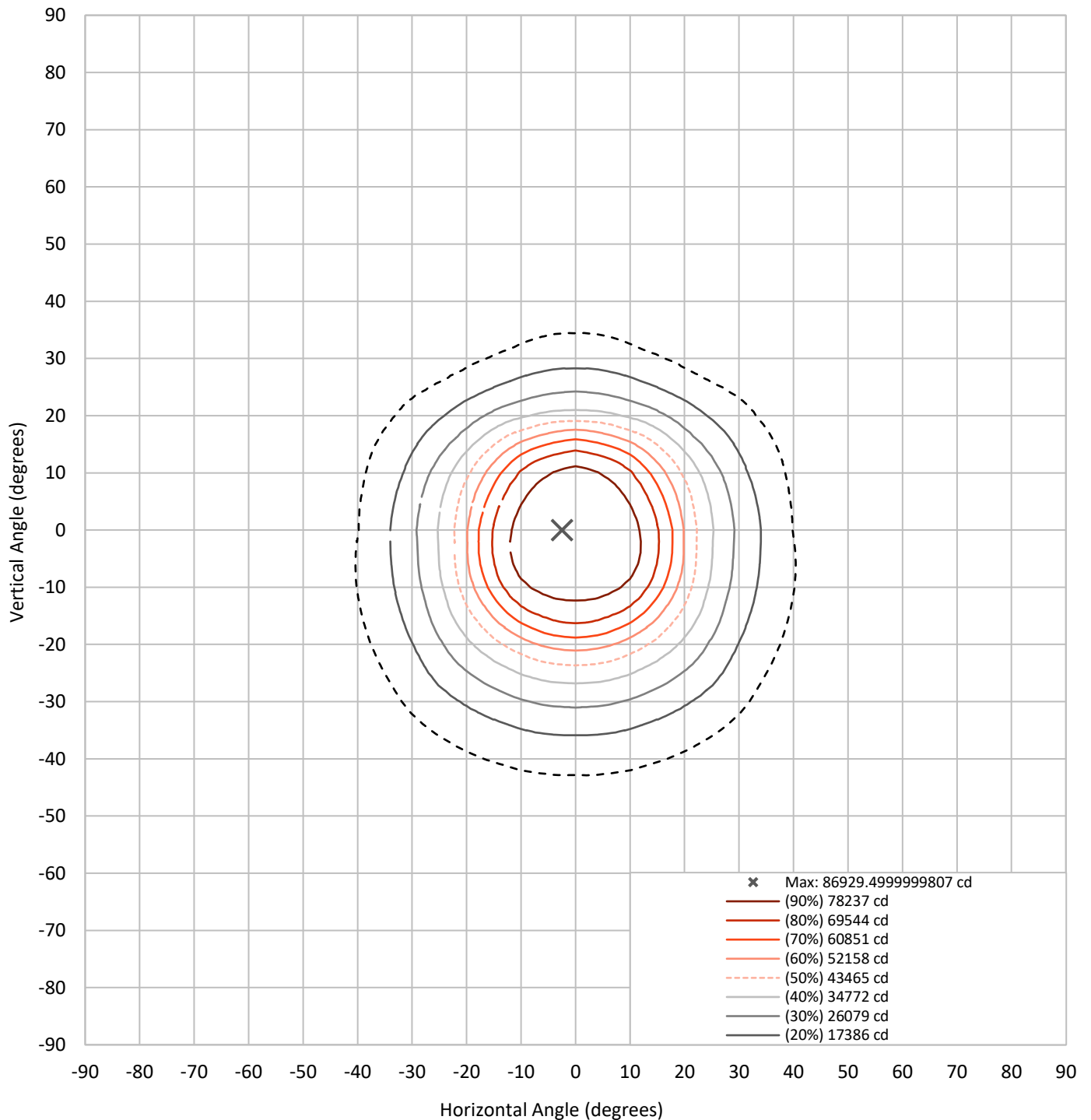
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	56602.9 lumens	Max Intensity:	86929.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	169.5 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:	31080.3 lumens	Field Lumens:	52011.1 lumens
Beam Efficiency:	54.9%	Field Efficiency:	91.9%

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: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

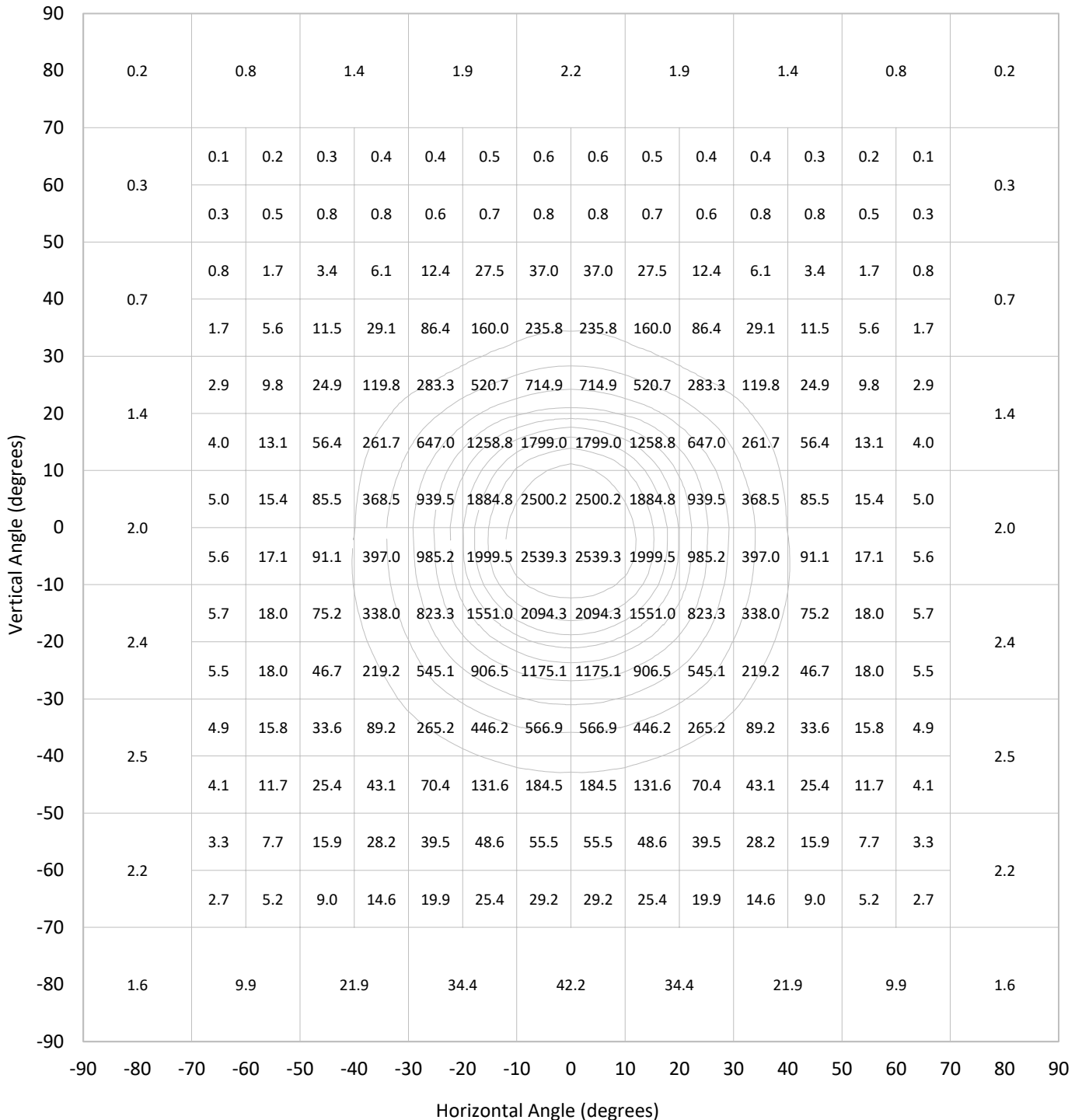
Iso-Candela Plot





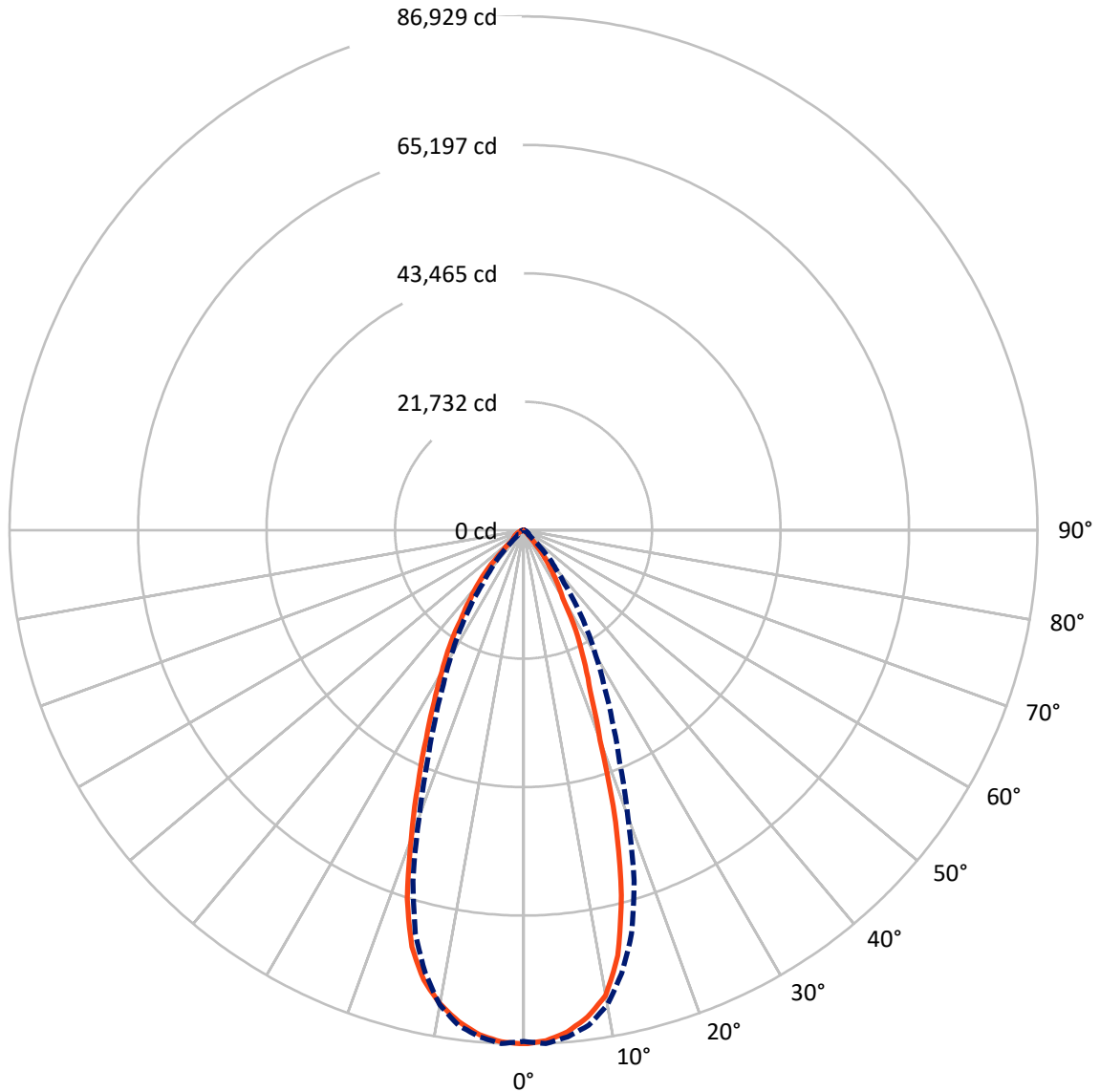
REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

Lumen Table



REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

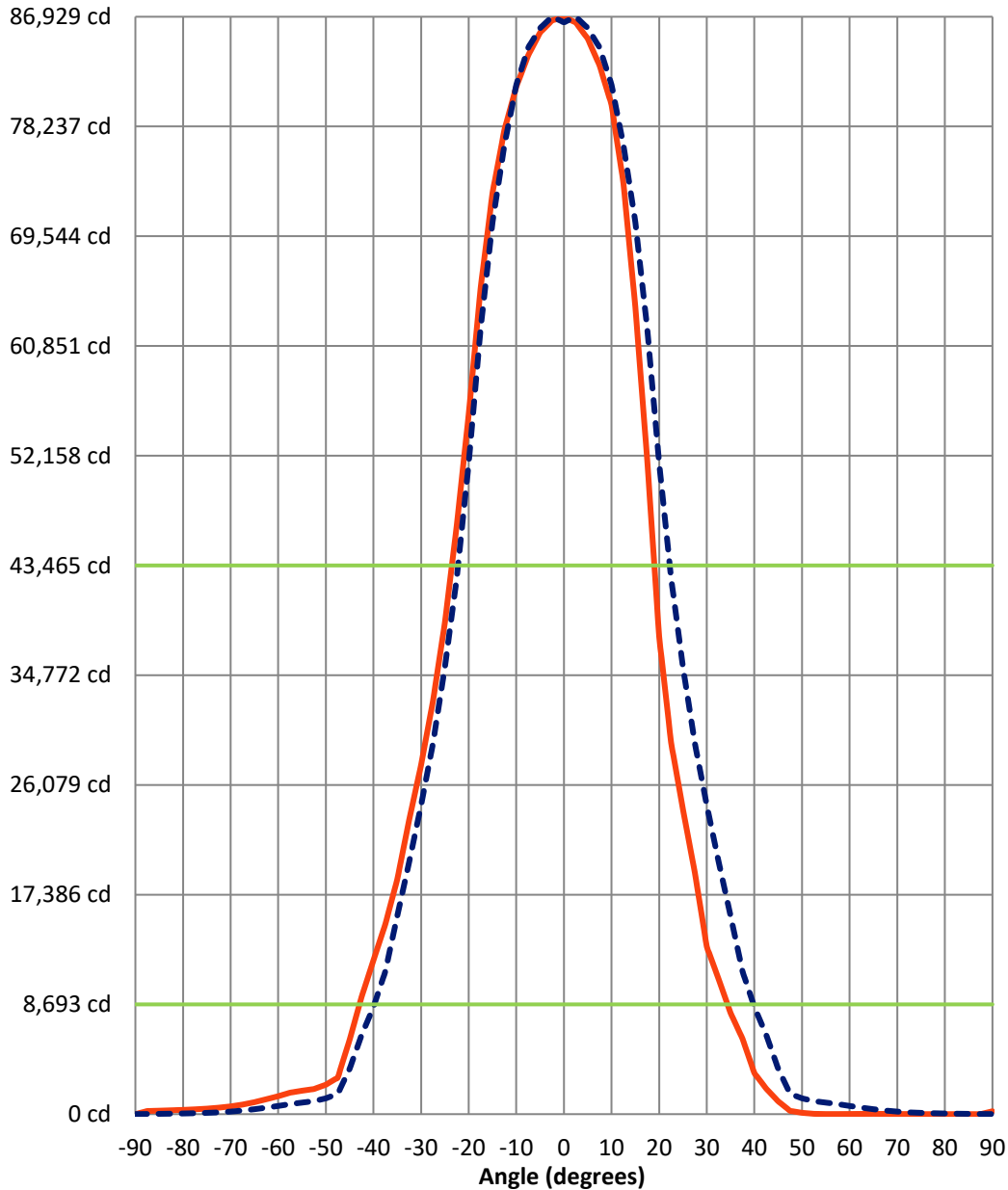
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

Luminous Intensity Plot



Beam:
 H Angle: 44.5°
 V Angle: 42.5°
 Lumens: 31080.3
 Efficiency: 54.9%

Field:
 H Angle: 79.6°
 V Angle: 77.3°
 Lumens: 52011.1
 Efficiency: 91.9%

Spill:
 Lumens: 4591.7
 Efficiency: 8.1%

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

REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.5	14.7	21.9	36.2	50.6	63.9	77.2	88.2	99.1	107.0	114.8
87.5°	7.5	7.0	6.3	6.3	6.3	6.4	6.5	6.2	5.9	5.9	5.8
85°	7.5	7.1	6.5	6.6	6.6	6.7	6.8	6.6	6.4	6.2	6.0
82.5°	7.5	7.3	6.7	6.8	6.8	7.0	7.2	7.0	6.9	6.6	6.3
80°	7.5	7.4	6.9	7.0	7.1	7.3	7.5	7.5	7.3	7.1	6.7
77.5°	7.5	7.6	7.1	7.2	7.3	7.7	7.9	7.9	7.8	7.5	7.0
75°	7.5	7.7	7.3	7.5	7.6	8.1	8.3	8.3	8.3	7.9	7.4
72.5°	7.5	7.9	7.5	7.7	8.1	8.6	8.7	8.8	8.7	8.2	7.7
70°	7.5	8.0	7.7	8.0	8.6	9.1	9.2	9.3	9.0	8.6	8.4
67.5°	7.5	8.2	8.0	8.4	9.1	9.6	9.8	9.8	9.5	9.3	9.1
65°	7.5	8.4	8.2	8.8	9.6	10.1	10.4	10.4	10.4	10.1	10.1
62.5°	7.5	8.5	8.5	9.2	10.1	10.7	11.0	11.3	11.4	11.2	11.8
60°	7.5	8.7	8.7	9.6	10.5	11.3	11.7	12.3	12.4	13.5	13.7
57.5°	7.5	8.9	9.2	10.0	11.2	11.9	13.0	13.5	15.3	16.4	17.5
55°	7.5	9.0	9.7	10.4	12.0	12.5	14.5	14.9	19.0	20.4	22.5
52.5°	7.5	9.2	10.1	10.8	12.8	13.3	16.1	18.8	23.1	26.5	28.2
50°	7.5	9.4	10.7	11.1	13.6	15.2	17.9	23.0	28.1	33.0	36.4
47.5°	7.5	9.6	11.2	11.6	14.6	17.1	20.0	27.3	34.5	40.0	45.5
45°	7.5	9.7	11.8	12.4	15.5	19.2	23.8	31.6	41.0	48.8	55.2
42.5°	7.5	9.9	12.4	13.1	16.6	21.4	27.6	36.9	47.7	58.1	69.9
40°	7.5	10.1	13.0	14.3	18.0	23.7	31.7	43.0	55.2	67.7	86.3
37.5°	7.5	10.2	13.7	15.6	19.8	26.1	36.0	49.1	63.9	79.1	103.5
35°	7.5	10.4	14.3	17.0	21.6	29.2	40.4	55.3	72.8	94.7	123.4
32.5°	7.5	10.6	15.0	18.5	23.5	32.7	45.1	61.8	81.9	110.6	146.1
30°	7.5	10.7	15.7	19.9	25.3	36.2	50.6	68.7	91.3	126.7	168.4
27.5°	7.5	10.9	16.4	21.4	27.8	39.6	56.0	76.3	101.7	143.0	190.2
25°	7.5	11.0	17.2	22.9	30.4	43.0	61.2	83.5	113.8	160.5	211.6
22.5°	7.5	11.2	17.9	24.4	32.9	46.4	66.3	90.5	125.2	175.6	234.1
20°	7.5	11.3	18.6	25.9	35.3	50.1	71.2	97.1	135.9	189.9	253.0
17.5°	7.5	11.5	19.3	27.4	37.6	53.7	76.2	103.3	145.9	203.4	270.9
15°	7.5	11.6	20.1	28.8	39.9	57.1	80.9	109.4	155.2	215.9	287.8
12.5°	7.5	11.7	20.8	30.3	42.2	60.3	85.4	115.4	164.5	227.4	303.6
10°	7.5	11.9	21.4	31.7	44.3	63.4	89.6	121.0	173.7	240.9	320.4
7.5°	7.5	12.0	22.1	33.1	46.4	66.3	93.5	126.3	182.3	254.1	340.4
5°	7.5	12.1	22.7	34.4	48.3	69.0	97.0	131.1	190.0	266.3	359.3
2.5°	7.5	12.2	23.3	35.7	50.2	71.5	100.3	135.5	196.9	277.3	376.6
0°	7.5	12.3	23.9	36.9	51.9	73.8	103.2	139.4	202.9	286.9	392.1
-2.5°	7.5	12.8	24.9	38.5	54.3	77.2	107.6	145.1	209.8	295.1	400.1
-5°	7.5	13.2	25.9	40.1	56.6	80.3	111.6	150.2	215.7	301.7	406.1
-7.5°	7.5	13.7	26.8	41.5	58.7	83.2	115.3	154.7	220.5	306.7	409.9
-10°	7.5	14.1	27.7	42.9	60.7	85.8	118.5	158.7	224.2	310.0	411.8
-12.5°	7.5	14.5	28.5	44.2	62.6	88.2	121.3	162.0	226.7	311.8	414.7
-15°	7.5	14.9	29.3	45.4	64.3	90.2	123.7	164.7	228.1	312.3	416.1
-17.5°	7.5	15.3	30.0	46.5	65.8	92.0	125.6	167.0	228.4	310.9	414.4
-20°	7.5	15.7	30.6	47.4	67.1	93.4	127.3	169.0	227.5	307.7	409.2



REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.5	16.0	31.2	48.3	68.3	94.5	129.1	170.4	225.5	302.7	401.0
-25°	7.5	16.3	31.7	49.1	69.2	95.9	130.3	171.1	222.3	295.7	393.9
-27.5°	7.5	16.6	32.1	49.7	70.0	97.1	131.1	171.2	217.9	290.9	388.6
-30°	7.5	16.9	32.5	50.3	70.6	98.1	131.4	170.7	216.0	287.1	380.4
-32.5°	7.5	17.1	32.8	50.7	71.8	98.7	131.1	170.3	215.9	281.4	369.1
-35°	7.5	17.3	33.0	51.0	72.8	99.0	131.1	169.7	214.6	273.6	354.5
-37.5°	7.5	17.5	33.2	51.2	73.6	99.3	131.1	168.7	212.3	263.9	341.4
-40°	7.5	17.7	33.2	51.3	74.2	100.0	130.7	166.9	209.0	258.0	328.7
-42.5°	7.5	17.8	33.3	51.4	74.7	100.5	130.0	164.5	205.7	253.1	313.8
-45°	7.5	17.9	33.2	51.7	75.1	100.8	128.8	162.1	202.0	246.9	298.1
-47.5°	7.5	17.9	33.0	51.8	75.3	100.8	127.2	160.2	197.5	239.3	289.4
-50°	7.5	17.9	32.8	51.8	75.2	100.5	126.7	157.7	191.8	232.5	279.0
-52.5°	7.5	17.9	32.5	51.7	74.8	100.0	126.0	154.6	186.9	224.4	266.6
-55°	7.5	17.9	32.2	51.5	74.2	99.1	124.9	151.3	182.1	215.1	254.1
-57.5°	7.5	17.9	31.8	51.1	73.4	97.9	123.5	149.6	176.7	207.8	240.4
-60°	7.5	17.8	31.3	50.6	72.4	96.4	121.8	147.2	171.2	200.6	227.3
-62.5°	7.5	17.6	30.8	49.9	71.3	94.7	119.5	144.3	167.7	192.3	217.0
-65°	7.5	17.5	30.4	49.1	70.1	92.7	116.9	140.9	163.7	185.8	205.9
-67.5°	7.5	17.3	29.8	48.2	68.7	90.4	114.0	136.9	159.4	179.7	197.3
-70°	7.5	17.1	29.1	47.1	67.1	88.0	110.7	132.4	154.0	173.1	189.6
-72.5°	7.5	16.9	28.4	46.1	65.3	85.3	106.8	127.7	148.1	165.7	181.4
-75°	7.5	16.6	27.6	45.0	63.3	82.3	102.5	122.1	141.9	157.9	172.7
-77.5°	7.5	16.4	26.8	43.8	61.5	79.0	97.9	116.1	134.6	149.6	163.7
-80°	7.5	16.1	25.9	42.5	59.6	76.1	93.0	109.7	126.8	140.1	153.2
-82.5°	7.5	15.7	25.0	41.1	57.5	73.3	89.2	103.7	118.7	130.4	142.1
-85°	7.5	15.4	24.0	39.6	55.3	70.3	85.4	98.7	112.3	122.1	131.8
-87.5°	7.5	15.1	23.0	37.9	53.0	67.2	81.4	93.5	105.8	114.6	123.4
-90°	7.5	6.8	6.1	6.1	6.1	6.1	6.1	5.8	5.5	5.5	5.5



REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	119.6	124.3	128.8	133.2	138.7	144.1	150.0	155.8	162.0	168.1	173.9
87.5°	5.5	5.2	5.2	5.2	4.9	4.6	4.3	4.1	3.8	3.4	3.3
85°	5.8	5.5	5.5	5.5	5.2	5.0	4.7	4.4	4.1	3.8	3.8
82.5°	6.2	6.2	5.9	5.5	5.4	5.5	5.2	4.8	4.6	4.3	4.2
80°	6.6	6.8	6.3	5.8	5.6	5.5	5.2	4.9	4.8	4.8	4.6
77.5°	6.9	6.8	6.5	6.1	5.9	5.7	5.5	5.3	5.1	4.9	4.8
75°	7.1	6.9	6.7	6.3	6.0	6.0	5.9	5.8	5.6	5.6	5.6
72.5°	7.5	7.4	7.0	6.4	6.3	6.4	6.4	6.2	6.4	6.7	6.7
70°	8.1	7.9	7.4	6.9	6.7	6.9	7.2	7.7	8.3	8.4	9.0
67.5°	8.8	8.5	7.9	7.5	7.3	7.8	8.2	9.9	11.5	12.4	13.3
65°	9.8	9.3	8.7	8.6	8.2	9.9	11.3	13.1	16.3	17.9	17.8
62.5°	11.0	11.1	10.3	10.5	11.9	13.3	15.8	19.6	23.4	24.8	23.5
60°	13.9	13.5	13.6	14.5	16.0	17.8	21.6	26.3	30.7	33.0	29.5
57.5°	17.9	17.7	18.8	19.4	21.4	22.0	27.1	32.8	36.6	39.4	34.8
55°	23.4	23.6	25.6	26.2	27.7	27.6	32.1	37.4	41.3	42.6	37.7
52.5°	31.1	31.4	35.0	35.5	35.1	35.5	37.1	42.9	46.2	46.2	42.0
50°	39.4	43.8	46.1	47.5	44.9	46.5	45.0	51.5	56.4	55.9	57.5
47.5°	51.9	57.7	61.0	63.4	61.4	66.5	65.4	75.3	78.7	97.5	100.5
45°	66.6	76.0	80.3	85.7	91.6	97.7	113.6	113.6	158.0	175.5	221.6
42.5°	83.2	97.2	109.3	111.5	141.0	158.1	179.7	224.2	267.6	322.0	342.7
40°	105.2	120.7	145.4	173.2	205.9	243.1	283.5	337.5	394.4	422.5	426.1
37.5°	129.5	158.8	193.1	243.6	293.8	342.7	393.9	446.7	487.6	498.1	536.3
35°	155.6	198.6	262.7	320.6	379.0	446.6	492.1	540.8	565.4	608.5	682.1
32.5°	188.5	239.5	319.1	394.4	459.3	532.9	576.5	613.8	671.6	746.3	908.9
30°	222.9	285.7	366.1	453.0	533.0	594.7	644.4	691.1	781.6	962.3	1519.5
27.5°	251.5	325.3	409.9	506.7	598.0	654.3	710.5	792.1	953.9	1326.2	2383.1
25°	277.1	357.2	452.7	565.2	654.5	716.5	789.7	904.9	1158.8	2169.3	3523.7
22.5°	302.1	388.7	501.7	626.7	711.9	777.7	888.5	1096.7	1628.7	3049.3	4677.0
20°	328.0	428.9	554.8	683.8	766.8	831.9	974.9	1282.9	2371.8	3996.5	5694.8
17.5°	355.1	469.5	606.5	724.4	802.1	888.8	1065.9	1435.5	2992.2	4881.2	6782.2
15°	381.6	508.5	650.8	759.4	834.4	950.2	1188.2	1886.0	3648.3	5869.0	7944.9
12.5°	406.9	543.9	685.1	786.9	866.2	1007.3	1288.7	2382.2	4437.1	6786.3	8955.7
10°	430.8	575.6	714.0	812.8	900.8	1068.3	1385.4	2868.0	5127.7	7382.4	9579.5
7.5°	455.4	602.0	738.3	837.6	934.1	1125.8	1492.0	3245.4	5643.3	7840.9	10061.6
5°	477.6	622.3	761.8	865.3	968.5	1176.8	1578.1	3533.9	6030.1	8219.7	10490.9
2.5°	497.0	638.3	781.8	891.5	1002.0	1219.5	1602.9	3614.1	6211.9	8423.5	10913.2
0°	513.7	650.3	797.9	914.7	1032.2	1254.2	1609.5	3600.1	6256.9	8485.3	11324.4
-2.5°	523.2	665.9	826.8	948.0	1059.2	1282.2	1643.6	3605.4	6294.9	8917.8	11853.1
-5°	529.8	677.6	850.5	977.6	1083.2	1302.0	1662.5	3523.5	6243.4	9145.4	12007.7
-7.5°	533.5	684.9	867.9	1002.2	1104.9	1316.2	1673.2	3390.2	6246.3	9155.8	11813.4
-10°	535.5	691.9	876.1	1016.0	1123.5	1323.1	1668.0	3161.3	5998.4	8908.0	11493.1
-12.5°	541.9	698.4	879.0	1026.2	1138.4	1324.7	1675.6	2937.3	5533.2	8456.8	11035.3
-15°	544.4	700.0	877.4	1034.7	1162.4	1340.8	1675.9	2589.3	4929.4	7884.3	10459.6
-17.5°	542.7	696.8	872.4	1046.8	1184.6	1342.2	1637.8	2132.9	4239.7	7069.9	9701.6
-20°	536.8	689.6	861.5	1052.9	1197.3	1353.3	1626.7	2058.8	3563.8	6051.6	8781.3



REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	528.3	678.4	845.9	1039.6	1211.8	1377.6	1611.5	1960.3	2768.9	4888.3	7641.9
-25°	518.0	666.1	829.1	1024.3	1218.5	1393.2	1564.2	1828.7	2302.3	3893.0	6231.7
-27.5°	507.3	648.5	811.3	998.9	1214.5	1385.8	1536.4	1755.8	2090.4	2787.2	4762.4
-30°	493.7	627.4	785.0	966.0	1178.5	1362.9	1519.4	1661.4	1889.9	2308.7	3494.3
-32.5°	477.1	602.7	755.8	928.5	1124.2	1335.5	1480.2	1603.6	1777.6	2034.3	2520.8
-35°	458.4	580.8	723.2	881.2	1060.0	1266.7	1421.3	1551.8	1669.4	1866.9	2178.0
-37.5°	439.3	553.8	681.4	831.2	1001.4	1170.1	1352.6	1482.7	1601.1	1725.1	1946.7
-40°	416.9	520.3	639.8	778.3	922.6	1075.8	1245.0	1408.0	1525.0	1654.2	1787.1
-42.5°	392.5	488.5	595.3	715.4	844.9	982.6	1132.8	1296.0	1452.9	1576.4	1698.5
-45°	372.8	454.1	547.9	654.8	766.3	888.8	1025.8	1168.7	1335.3	1495.3	1608.2
-47.5°	348.9	419.9	506.3	591.1	692.0	801.3	918.3	1053.8	1193.4	1350.9	1505.4
-50°	326.1	391.2	457.7	534.2	619.8	715.8	820.1	939.4	1068.6	1197.6	1337.6
-52.5°	310.5	360.3	416.9	477.3	552.1	634.4	726.9	828.1	941.3	1054.1	1175.5
-55°	293.4	336.5	377.2	428.3	487.1	558.5	638.8	727.3	813.6	916.5	1019.7
-57.5°	276.7	312.5	345.1	384.4	433.5	485.9	558.8	632.5	707.5	787.2	874.4
-60°	259.8	289.1	317.6	349.3	385.1	431.6	482.3	543.8	605.1	668.8	746.0
-62.5°	242.8	266.7	291.2	318.6	349.0	380.4	421.8	466.6	509.6	567.6	629.1
-65°	229.2	245.7	265.9	290.0	314.5	343.2	372.1	400.2	437.9	481.9	526.4
-67.5°	214.6	230.0	244.9	261.8	284.0	307.7	331.5	356.7	382.2	412.5	445.0
-70°	204.0	214.9	228.1	242.0	256.6	273.8	295.0	315.9	337.4	362.6	388.5
-72.5°	193.9	203.9	213.8	223.6	236.7	250.9	265.0	279.0	296.9	318.4	339.0
-75°	183.6	192.8	201.8	210.7	220.6	231.2	242.2	254.9	268.8	283.7	298.1
-77.5°	173.1	181.2	189.4	197.6	206.7	216.1	225.7	235.4	246.3	257.9	269.0
-80°	161.8	169.4	176.7	184.0	192.2	200.6	209.2	217.8	227.5	237.4	246.7
-82.5°	149.3	156.1	163.0	169.7	177.3	184.8	192.4	200.0	208.5	217.1	225.1
-85°	137.4	142.6	148.7	154.7	161.6	168.4	175.2	182.0	189.8	197.6	204.5
-87.5°	128.5	133.5	138.5	143.4	149.2	155.0	161.0	166.8	173.7	180.5	186.5
-90°	5.2	4.8	4.8	4.8	4.5	4.1	4.1	4.1	3.8	3.4	3.1



REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	179.7	183.5	187.2	190.3	193.3	197.4	201.5	207.0	212.5	218.0	223.4
87.5°	3.3	3.0	2.7	2.7	2.6	2.6	2.7	2.3	2.0	2.0	2.0
85°	3.8	3.8	3.7	3.5	3.3	3.3	3.3	3.3	3.3	3.0	2.7
82.5°	4.1	4.1	4.1	3.8	3.4	3.4	3.4	3.4	3.4	3.1	2.7
80°	4.3	4.2	4.1	4.0	3.9	3.7	3.4	3.1	2.8	2.7	2.7
77.5°	4.9	4.7	4.4	4.3	4.1	3.8	3.5	3.1	2.7	2.7	2.7
75°	5.5	5.3	5.2	4.9	4.5	4.4	4.3	4.1	3.9	3.9	4.0
72.5°	6.6	6.5	6.5	6.6	6.6	6.9	7.2	7.5	7.7	8.3	8.9
70°	9.8	10.5	10.8	11.0	11.0	10.9	10.8	11.0	11.3	11.7	11.9
67.5°	14.4	15.4	16.0	16.3	15.3	14.7	14.7	15.0	15.6	16.5	17.8
65°	18.7	18.4	18.0	17.6	17.8	17.9	17.7	17.9	18.9	20.3	22.0
62.5°	22.0	19.1	17.3	16.4	17.0	18.0	17.3	16.8	17.6	18.5	19.3
60°	25.2	19.7	15.8	14.5	14.3	14.7	13.5	12.5	12.8	13.1	13.6
57.5°	28.2	21.1	14.6	12.5	10.5	9.4	9.1	8.7	8.5	8.3	8.4
55°	30.9	23.0	14.4	12.7	11.3	11.0	10.0	9.5	9.2	9.0	9.2
52.5°	34.3	29.5	23.6	21.9	24.6	24.8	21.9	26.1	29.3	30.6	31.2
50°	56.1	50.2	60.3	59.3	71.1	79.4	76.4	85.7	99.5	108.2	111.8
47.5°	123.2	123.4	143.2	160.8	175.4	194.4	209.1	223.2	242.9	255.1	260.7
45°	233.6	253.4	274.2	304.4	333.4	368.7	411.2	444.6	578.6	712.0	833.4
42.5°	357.5	379.3	409.7	475.6	553.8	734.9	1058.8	1239.5	1465.2	1710.7	1805.0
40°	460.7	492.4	575.8	761.2	1212.7	1642.6	2114.9	2514.1	2867.6	3071.0	3241.0
37.5°	588.1	663.7	1043.8	1568.5	2129.8	2668.7	3155.0	3577.0	3943.3	4240.3	4534.4
35°	773.8	1275.8	1837.3	2519.6	3116.3	3615.4	4119.3	4602.9	5018.3	5462.0	6121.3
32.5°	1467.0	2123.0	2845.3	3456.8	4040.0	4669.8	5199.3	5973.0	6578.9	7387.9	8624.3
30°	2354.6	3178.0	3832.9	4444.6	5192.5	6039.9	6924.0	8107.4	9344.0	10634.0	11961.6
27.5°	3494.4	4326.0	5016.4	5832.3	6819.8	7947.5	9637.8	11305.9	13079.3	14692.5	15918.6
25°	4868.1	5748.8	6928.9	8112.8	9525.9	11453.2	13352.2	15396.0	17174.1	18757.1	20529.3
22.5°	6155.6	7599.3	9157.7	10944.9	13246.1	15419.7	17767.7	19836.0	22067.4	24323.7	26068.7
20°	7242.5	9123.3	11358.8	13935.3	16486.0	18948.3	21680.6	24977.5	28299.5	31267.3	33421.0
17.5°	8708.7	11090.7	13873.3	16935.9	19681.9	22733.2	26536.1	30819.7	35474.6	39593.2	42858.9
15°	10310.7	13092.2	16238.6	19447.5	22921.6	27010.4	31900.2	37370.9	43064.8	48839.9	54220.4
12.5°	11399.8	14658.5	18094.4	21910.0	26243.1	31725.2	37662.9	43727.4	50234.2	57420.0	63661.2
10°	12330.8	15946.1	20091.3	24529.6	29508.6	35401.7	41538.5	48904.6	57026.6	64102.8	70787.9
7.5°	13251.8	17499.9	21830.0	26451.1	31921.4	38322.2	45585.1	53507.1	61772.8	69464.2	74931.0
5°	14341.5	18748.8	23078.5	27960.0	33688.6	40346.6	48007.3	57104.4	65813.2	72883.2	77814.0
2.5°	15242.5	19497.9	23931.4	28762.8	34650.4	41601.9	49916.3	60025.9	68962.0	75572.6	80034.3
0°	15701.3	19977.7	24468.0	29377.7	35413.3	42506.3	51577.7	62197.8	70643.4	76750.4	81528.6
-2.5°	15757.2	19825.2	24232.7	29075.2	34974.0	42207.6	51507.4	62252.9	71081.1	77428.4	82142.7
-5°	15594.4	19624.3	24023.3	28868.7	34687.8	42222.6	51560.1	61892.7	70423.3	76998.0	81437.7
-7.5°	15201.6	19255.3	23662.5	28436.5	34164.1	41471.7	50180.6	59546.5	68321.0	75424.8	79520.4
-10°	14626.2	18609.2	22948.5	27518.5	32920.0	39676.3	47464.9	56039.4	64906.1	71698.3	76421.5
-12.5°	13898.5	17668.1	21816.2	26136.8	31236.4	37531.2	44473.8	51653.7	59086.4	66829.9	71749.4
-15°	13063.1	16507.7	20390.5	24734.3	29776.1	35022.1	40536.9	46386.4	53181.1	59515.1	65241.5
-17.5°	12270.4	15237.0	18859.9	23092.1	27385.4	31943.7	36669.9	41445.7	46894.4	51866.5	56314.3
-20°	11274.2	13800.2	17138.3	20898.8	24888.3	28837.8	32897.4	36766.6	40722.2	44769.2	48301.7



REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10100.0	12556.5	15341.6	18615.8	22445.9	25961.1	29212.5	32236.3	35406.8	38207.1	41114.2
-25°	8820.9	11182.8	13742.2	16727.0	19667.7	22854.4	25553.0	28124.5	30583.7	32782.6	35043.2
-27.5°	7250.1	9743.6	12266.4	14655.3	17081.9	19370.0	21886.1	24258.6	26309.5	28123.6	29915.3
-30°	5480.5	8127.1	10513.5	12562.7	14486.6	16395.0	18321.2	20312.0	22253.6	23905.4	25372.9
-32.5°	4043.7	6251.5	8457.3	10465.5	12149.2	13726.5	15224.5	16786.4	18144.4	19538.8	20895.9
-35°	2675.4	4235.8	6067.0	8108.6	9862.2	11189.1	12547.3	13792.6	14816.4	15897.4	16921.9
-37.5°	2251.5	2666.8	3891.8	5549.3	7173.5	8699.3	10053.8	11136.5	12078.6	12942.1	13826.9
-40°	1986.1	2223.0	2571.5	3173.7	4539.6	5881.9	7277.4	8428.2	9432.0	10259.7	11074.3
-42.5°	1811.9	1974.4	2148.1	2385.2	2619.0	3276.4	4421.9	5415.2	6356.6	7289.2	8128.5
-45°	1721.6	1812.9	1912.2	2041.1	2141.1	2319.3	2518.2	2705.2	3454.4	4264.1	4941.9
-47.5°	1613.4	1710.7	1784.9	1845.6	1894.2	1972.5	2055.2	2163.3	2336.8	2541.3	2697.4
-50°	1475.0	1593.0	1667.1	1728.0	1762.9	1793.2	1823.0	1890.8	1984.8	2096.3	2184.8
-52.5°	1296.0	1412.9	1517.7	1596.9	1635.5	1673.2	1710.7	1757.2	1810.7	1875.1	1921.3
-55°	1127.4	1225.0	1315.8	1389.6	1456.2	1516.8	1575.1	1624.5	1682.1	1743.4	1786.5
-57.5°	967.4	1046.2	1120.7	1184.6	1242.2	1293.2	1352.8	1417.6	1491.4	1561.7	1611.1
-60°	817.8	880.4	942.4	994.3	1041.2	1083.0	1138.2	1192.5	1257.2	1314.7	1356.6
-62.5°	684.0	738.7	784.5	823.6	859.0	894.1	940.4	985.9	1039.0	1085.0	1119.8
-65°	568.2	613.9	646.1	675.3	700.9	730.7	766.6	803.0	844.8	880.5	909.1
-67.5°	479.0	510.0	530.3	548.2	569.5	593.2	620.3	649.5	681.9	708.9	730.8
-70°	411.6	430.9	443.2	456.6	472.1	488.6	506.9	528.8	553.6	574.6	592.8
-72.5°	358.3	373.0	383.2	393.5	402.9	414.1	426.4	442.8	461.1	477.5	492.9
-75°	312.0	322.5	332.0	341.0	349.1	358.6	368.5	382.3	397.2	410.8	423.7
-77.5°	280.9	289.0	295.4	301.4	307.3	315.2	323.3	334.4	346.1	357.3	368.2
-80°	256.0	262.3	267.6	272.0	276.1	282.8	289.8	298.9	308.2	317.9	327.5
-82.5°	232.9	238.4	243.5	247.7	251.6	257.7	263.9	272.0	280.2	288.3	296.2
-85°	211.3	216.3	221.1	225.1	229.0	233.9	238.8	245.9	252.9	260.3	267.6
-87.5°	192.5	197.2	202.0	205.1	208.1	212.5	216.9	222.9	228.9	235.2	241.5
-90°	2.7	2.7	2.7	2.4	2.0	2.0	2.0	1.7	1.4	1.4	1.4



REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	226.2	228.9	230.3	231.6	230.3	228.9	226.2	223.4	218.0	212.5	207.0
87.5°	1.7	1.4	1.4	1.4	1.4	1.4	1.7	2.0	2.0	2.0	2.3
85°	2.3	2.0	2.3	2.7	2.3	2.0	2.3	2.7	3.0	3.3	3.3
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.1	3.4	3.4
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	3.1
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.1
75°	3.7	3.4	3.4	3.4	3.4	3.4	3.7	4.0	3.9	3.9	4.1
72.5°	9.2	9.4	9.8	10.2	9.8	9.4	9.2	8.9	8.3	7.7	7.5
70°	12.1	12.2	12.3	12.3	12.3	12.2	12.1	11.9	11.7	11.3	11.0
67.5°	18.5	18.9	19.7	20.5	19.7	18.9	18.5	17.8	16.5	15.6	15.0
65°	23.3	24.2	24.6	24.6	24.6	24.2	23.3	22.0	20.3	18.9	17.9
62.5°	20.1	21.1	21.2	21.2	21.2	21.1	20.1	19.3	18.5	17.6	16.8
60°	14.1	14.4	14.7	15.0	14.7	14.4	14.1	13.6	13.1	12.8	12.5
57.5°	8.5	8.9	9.0	8.9	9.0	8.9	8.5	8.4	8.3	8.5	8.7
55°	9.3	9.5	9.3	8.9	9.3	9.5	9.3	9.2	9.0	9.2	9.5
52.5°	30.4	28.9	27.4	26.0	27.4	28.9	30.4	31.2	30.6	29.3	26.1
50°	110.6	108.8	106.2	103.2	106.2	108.8	110.6	111.8	108.2	99.5	85.7
47.5°	265.6	266.2	263.6	258.9	263.6	266.2	265.6	260.7	255.1	242.9	223.2
45°	939.2	990.3	1017.9	1037.0	1017.9	990.3	939.2	833.4	712.0	578.6	444.6
42.5°	1887.4	1959.1	2013.6	2024.8	2013.6	1959.1	1887.4	1805.0	1710.7	1465.2	1239.5
40°	3442.5	3454.4	3254.7	2953.2	3254.7	3454.4	3442.5	3241.0	3071.0	2867.6	2514.1
37.5°	4884.8	5388.8	5974.4	6273.3	5974.4	5388.8	4884.8	4534.4	4240.3	3943.3	3577.0
35°	7010.9	7769.1	8015.0	8021.4	8015.0	7769.1	7010.9	6121.3	5462.0	5018.3	4602.9
32.5°	9739.3	10355.7	10684.9	10595.5	10684.9	10355.7	9739.3	8624.3	7387.9	6578.9	5973.0
30°	12735.2	13271.6	13275.8	13096.5	13275.8	13271.6	12735.2	11961.6	10634.0	9344.0	8107.4
27.5°	17187.6	18320.9	19118.6	19333.5	19118.6	18320.9	17187.6	15918.6	14692.5	13079.3	11305.9
25°	22126.1	23371.5	24137.2	24416.1	24137.2	23371.5	22126.1	20529.3	18757.1	17174.1	15396.0
22.5°	27692.8	28903.6	29456.3	29745.3	29456.3	28903.6	27692.8	26068.7	24323.7	22067.4	19836.0
20°	35473.9	37195.5	37844.6	38121.9	37844.6	37195.5	35473.9	33421.0	31267.3	28299.5	24977.5
17.5°	46252.1	49652.3	51778.4	52870.2	51778.4	49652.3	46252.1	42858.9	39593.2	35474.6	30819.7
15°	58202.3	61654.3	63924.3	65285.6	63924.3	61654.3	58202.3	54220.4	48839.9	43064.8	37370.9
12.5°	68454.2	71531.4	73724.0	75027.5	73724.0	71531.4	68454.2	63661.2	57420.0	50234.2	43727.4
10°	75031.1	77670.1	79944.9	81055.9	79944.9	77670.1	75031.1	70787.9	64102.8	57026.6	48904.6
7.5°	78748.2	81816.7	83049.8	83809.6	83049.8	81816.7	78748.2	74931.0	69464.2	61772.8	53507.1
5°	81628.9	84053.8	85192.1	85747.7	85192.1	84053.8	81628.9	77814.0	72883.2	65813.2	57104.4
2.5°	83552.0	85657.2	86462.2	86910.4	86462.2	85657.2	83552.0	80034.3	75572.6	68962.0	60025.9
0°	84474.9	86027.1	86929.5	86489.5	86929.5	86027.1	84474.9	81528.6	76750.4	70643.4	62197.8
-2.5°	84481.4	85956.7	86627.6	86301.0	86627.6	85956.7	84481.4	82142.7	77428.4	71081.1	62252.9
-5°	83758.6	84859.6	85676.8	85415.0	85676.8	84859.6	83758.6	81437.7	76998.0	70423.3	61892.7
-7.5°	81809.5	83272.9	83871.3	83900.4	83871.3	83272.9	81809.5	79520.4	75424.8	68321.0	59546.5
-10°	79128.1	80750.6	81387.7	81452.8	81387.7	80750.6	79128.1	76421.5	71698.3	64906.1	56039.4
-12.5°	75142.9	77046.2	77963.1	78126.6	77963.1	77046.2	75142.9	71749.4	66829.9	59086.4	51653.7
-15°	68956.5	71521.8	72969.7	73477.8	72969.7	71521.8	68956.5	65241.5	59515.1	53181.1	46386.4
-17.5°	60546.3	63611.2	65416.7	66053.4	65416.7	63611.2	60546.3	56314.3	51866.5	46894.4	41445.7
-20°	51773.6	54045.8	55437.7	56011.3	55437.7	54045.8	51773.6	48301.7	44769.2	40722.2	36766.6



REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	43794.0	45626.0	46660.2	47119.5	46660.2	45626.0	43794.0	41114.2	38207.1	35406.8	32236.3
-25°	36873.3	38416.3	38946.6	39245.7	38946.6	38416.3	36873.3	35043.2	32782.6	30583.7	28124.5
-27.5°	31218.6	32442.6	32728.2	32992.2	32728.2	32442.6	31218.6	29915.3	28123.6	26309.5	24258.6
-30°	26453.7	27518.9	27664.6	27956.8	27664.6	27518.9	26453.7	25372.9	23905.4	22253.6	20312.0
-32.5°	21997.7	22946.2	23309.6	23365.4	23309.6	22946.2	21997.7	20895.9	19538.8	18144.4	16786.4
-35°	17730.7	18355.8	18603.2	18618.3	18603.2	18355.8	17730.7	16921.9	15897.4	14816.4	13792.6
-37.5°	14375.9	14774.4	15060.8	14981.9	15060.8	14774.4	14375.9	13826.9	12942.1	12078.6	11136.5
-40°	11530.8	11931.7	12193.6	12129.8	12193.6	11931.7	11530.8	11074.3	10259.7	9432.0	8428.2
-42.5°	8591.5	9032.5	9279.9	9211.5	9279.9	9032.5	8591.5	8128.5	7289.2	6356.6	5415.2
-45°	5328.3	5716.9	5899.2	5788.2	5899.2	5716.9	5328.3	4941.9	4264.1	3454.4	2705.2
-47.5°	2779.7	2868.2	2896.5	2856.9	2896.5	2868.2	2779.7	2697.4	2541.3	2336.8	2163.3
-50°	2253.8	2309.3	2333.2	2326.1	2333.2	2309.3	2253.8	2184.8	2096.3	1984.8	1890.8
-52.5°	1957.6	1983.2	1991.7	1986.6	1991.7	1983.2	1957.6	1921.3	1875.1	1810.7	1757.2
-55°	1822.9	1848.3	1857.1	1854.0	1857.1	1848.3	1822.9	1786.5	1743.4	1682.1	1624.5
-57.5°	1652.1	1683.3	1702.7	1712.6	1702.7	1683.3	1652.1	1611.1	1561.7	1491.4	1417.6
-60°	1390.4	1415.4	1422.6	1418.9	1422.6	1415.4	1390.4	1356.6	1314.7	1257.2	1192.5
-62.5°	1147.2	1167.7	1183.1	1193.4	1183.1	1167.7	1147.2	1119.8	1085.0	1039.0	985.9
-65°	930.1	945.0	948.1	945.5	948.1	945.0	930.1	909.1	880.5	844.8	803.0
-67.5°	746.2	757.2	758.6	756.2	758.6	757.2	746.2	730.8	708.9	681.9	649.5
-70°	605.0	614.2	615.5	614.1	615.5	614.2	605.0	592.8	574.6	553.6	528.8
-72.5°	501.8	508.6	513.7	517.8	513.7	508.6	501.8	492.9	477.5	461.1	442.8
-75°	430.1	435.0	436.2	436.5	436.2	435.0	430.1	423.7	410.8	397.2	382.3
-77.5°	373.9	378.8	382.3	385.3	382.3	378.8	373.9	368.2	357.3	346.1	334.4
-80°	331.8	335.5	338.3	340.9	338.3	335.5	331.8	327.5	317.9	308.2	298.9
-82.5°	300.4	304.3	306.6	308.8	306.6	304.3	300.4	296.2	288.3	280.2	272.0
-85°	270.7	273.7	275.9	278.0	275.9	273.7	270.7	267.6	260.3	252.9	245.9
-87.5°	244.4	247.2	248.6	250.0	248.6	247.2	244.4	241.5	235.2	228.9	222.9
-90°	1.1	0.7	0.7	0.7	0.7	0.7	1.1	1.4	1.4	1.4	1.7



REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	201.5	197.4	193.3	190.3	187.2	183.5	179.7	173.9	168.1	162.0	155.8
87.5°	2.7	2.6	2.6	2.7	2.7	3.0	3.3	3.3	3.4	3.8	4.1
85°	3.3	3.3	3.3	3.5	3.7	3.8	3.8	3.8	3.8	4.1	4.4
82.5°	3.4	3.4	3.4	3.8	4.1	4.1	4.1	4.2	4.3	4.6	4.8
80°	3.4	3.7	3.9	4.0	4.1	4.2	4.3	4.6	4.8	4.8	4.9
77.5°	3.5	3.8	4.1	4.3	4.4	4.7	4.9	4.8	4.9	5.1	5.3
75°	4.3	4.4	4.5	4.9	5.2	5.3	5.5	5.6	5.6	5.6	5.8
72.5°	7.2	6.9	6.6	6.6	6.5	6.5	6.6	6.7	6.7	6.4	6.2
70°	10.8	10.9	11.0	11.0	10.8	10.5	9.8	9.0	8.4	8.3	7.7
67.5°	14.7	14.7	15.3	16.3	16.0	15.4	14.4	13.3	12.4	11.5	9.9
65°	17.7	17.9	17.8	17.6	18.0	18.4	18.7	17.8	17.9	16.3	13.1
62.5°	17.3	18.0	17.0	16.4	17.3	19.1	22.0	23.5	24.8	23.4	19.6
60°	13.5	14.7	14.3	14.5	15.8	19.7	25.2	29.5	33.0	30.7	26.3
57.5°	9.1	9.4	10.5	12.5	14.6	21.1	28.2	34.8	39.4	36.6	32.8
55°	10.0	11.0	11.3	12.7	14.4	23.0	30.9	37.7	42.6	41.3	37.4
52.5°	21.9	24.8	24.6	21.9	23.6	29.5	34.3	42.0	46.2	46.2	42.9
50°	76.4	79.4	71.1	59.3	60.3	50.2	56.1	57.5	55.9	56.4	51.5
47.5°	209.1	194.4	175.4	160.8	143.2	123.4	123.2	100.5	97.5	78.7	75.3
45°	411.2	368.7	333.4	304.4	274.2	253.4	233.6	221.6	175.5	158.0	113.6
42.5°	1058.8	734.9	553.8	475.6	409.7	379.3	357.5	342.7	322.0	267.6	224.2
40°	2114.9	1642.6	1212.7	761.2	575.8	492.4	460.7	426.1	422.5	394.4	337.5
37.5°	3155.0	2668.7	2129.8	1568.5	1043.8	663.7	588.1	536.3	498.1	487.6	446.7
35°	4119.3	3615.4	3116.3	2519.6	1837.3	1275.8	773.8	682.1	608.5	565.4	540.8
32.5°	5199.3	4669.8	4040.0	3456.8	2845.3	2123.0	1467.0	908.9	746.3	671.6	613.8
30°	6924.0	6039.9	5192.5	4444.6	3832.9	3178.0	2354.6	1519.5	962.3	781.6	691.1
27.5°	9637.8	7947.5	6819.8	5832.3	5016.4	4326.0	3494.4	2383.1	1326.2	953.9	792.1
25°	13352.2	11453.2	9525.9	8112.8	6928.9	5748.8	4868.1	3523.7	2169.3	1158.8	904.9
22.5°	17767.7	15419.7	13246.1	10944.9	9157.7	7599.3	6155.6	4677.0	3049.3	1628.7	1096.7
20°	21680.6	18948.3	16486.0	13935.3	11358.8	9123.3	7242.5	5694.8	3996.5	2371.8	1282.9
17.5°	26536.1	22733.2	19681.9	16935.9	13873.3	11090.7	8708.7	6782.2	4881.2	2992.2	1435.5
15°	31900.2	27010.4	22921.6	19447.5	16238.6	13092.2	10310.7	7944.9	5869.0	3648.3	1886.0
12.5°	37662.9	31725.2	26243.1	21910.0	18094.4	14658.5	11399.8	8955.7	6786.3	4437.1	2382.2
10°	41538.5	35401.7	29508.6	24529.6	20091.3	15946.1	12330.8	9579.5	7382.4	5127.7	2868.0
7.5°	45585.1	38322.2	31921.4	26451.1	21830.0	17499.9	13251.8	10061.6	7840.9	5643.3	3245.4
5°	48007.3	40346.6	33688.6	27960.0	23078.5	18748.8	14341.5	10490.9	8219.7	6030.1	3533.9
2.5°	49916.3	41601.9	34650.4	28762.8	23931.4	19497.9	15242.5	10913.2	8423.5	6211.9	3614.1
0°	51577.7	42506.3	35413.3	29377.7	24468.0	19977.7	15701.3	11324.4	8485.3	6256.9	3600.1
-2.5°	51507.4	42207.6	34974.0	29075.2	24232.7	19825.2	15757.2	11853.1	8917.8	6294.9	3605.4
-5°	51560.1	42222.6	34687.8	28868.7	24023.3	19624.3	15594.4	12007.7	9145.4	6243.4	3523.5
-7.5°	50180.6	41471.7	34164.1	28436.5	23662.5	19255.3	15201.6	11813.4	9155.8	6246.3	3390.2
-10°	47464.9	39676.3	32920.0	27518.5	22948.5	18609.2	14626.2	11493.1	8908.0	5998.4	3161.3
-12.5°	44473.8	37531.2	31236.4	26136.8	21816.2	17668.1	13898.5	11035.3	8456.8	5533.2	2937.3
-15°	40536.9	35022.1	29776.1	24734.3	20390.5	16507.7	13063.1	10459.6	7884.3	4929.4	2589.3
-17.5°	36669.9	31943.7	27385.4	23092.1	18859.9	15237.0	12270.4	9701.6	7069.9	4239.7	2132.9
-20°	32897.4	28837.8	24888.3	20898.8	17138.3	13800.2	11274.2	8781.3	6051.6	3563.8	2058.8



REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	29212.5	25961.1	22445.9	18615.8	15341.6	12556.5	10100.0	7641.9	4888.3	2768.9	1960.3
-25°	25553.0	22854.4	19667.7	16727.0	13742.2	11182.8	8820.9	6231.7	3893.0	2302.3	1828.7
-27.5°	21886.1	19370.0	17081.9	14655.3	12266.4	9743.6	7250.1	4762.4	2787.2	2090.4	1755.8
-30°	18321.2	16395.0	14486.6	12562.7	10513.5	8127.1	5480.5	3494.3	2308.7	1889.9	1661.4
-32.5°	15224.5	13726.5	12149.2	10465.5	8457.3	6251.5	4043.7	2520.8	2034.3	1777.6	1603.6
-35°	12547.3	11189.1	9862.2	8108.6	6067.0	4235.8	2675.4	2178.0	1866.9	1669.4	1551.8
-37.5°	10053.8	8699.3	7173.5	5549.3	3891.8	2666.8	2251.5	1946.7	1725.1	1601.1	1482.7
-40°	7277.4	5881.9	4539.6	3173.7	2571.5	2223.0	1986.1	1787.1	1654.2	1525.0	1408.0
-42.5°	4421.9	3276.4	2619.0	2385.2	2148.1	1974.4	1811.9	1698.5	1576.4	1452.9	1296.0
-45°	2518.2	2319.3	2141.1	2041.1	1912.2	1812.9	1721.6	1608.2	1495.3	1335.3	1168.7
-47.5°	2055.2	1972.5	1894.2	1845.6	1784.9	1710.7	1613.4	1505.4	1350.9	1193.4	1053.8
-50°	1823.0	1793.2	1762.9	1728.0	1667.1	1593.0	1475.0	1337.6	1197.6	1068.6	939.4
-52.5°	1710.7	1673.2	1635.5	1596.9	1517.7	1412.9	1296.0	1175.5	1054.1	941.3	828.1
-55°	1575.1	1516.8	1456.2	1389.6	1315.8	1225.0	1127.4	1019.7	916.5	813.6	727.3
-57.5°	1352.8	1293.2	1242.2	1184.6	1120.7	1046.2	967.4	874.4	787.2	707.5	632.5
-60°	1138.2	1083.0	1041.2	994.3	942.4	880.4	817.8	746.0	668.8	605.1	543.8
-62.5°	940.4	894.1	859.0	823.6	784.5	738.7	684.0	629.1	567.6	509.6	466.6
-65°	766.6	730.7	700.9	675.3	646.1	613.9	568.2	526.4	481.9	437.9	400.2
-67.5°	620.3	593.2	569.5	548.2	530.3	510.0	479.0	445.0	412.5	382.2	356.7
-70°	506.9	488.6	472.1	456.6	443.2	430.9	411.6	388.5	362.6	337.4	315.9
-72.5°	426.4	414.1	402.9	393.5	383.2	373.0	358.3	339.0	318.4	296.9	279.0
-75°	368.5	358.6	349.1	341.0	332.0	322.5	312.0	298.1	283.7	268.8	254.9
-77.5°	323.3	315.2	307.3	301.4	295.4	289.0	280.9	269.0	257.9	246.3	235.4
-80°	289.8	282.8	276.1	272.0	267.6	262.3	256.0	246.7	237.4	227.5	217.8
-82.5°	263.9	257.7	251.6	247.7	243.5	238.4	232.9	225.1	217.1	208.5	200.0
-85°	238.8	233.9	229.0	225.1	221.1	216.3	211.3	204.5	197.6	189.8	182.0
-87.5°	216.9	212.5	208.1	205.1	202.0	197.2	192.5	186.5	180.5	173.7	166.8
-90°	2.0	2.0	2.0	2.4	2.7	2.7	2.7	3.1	3.4	3.8	4.1



REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	150.0	144.1	138.7	133.2	128.8	124.3	119.6	114.8	107.0	99.1	88.2
87.5°	4.3	4.6	4.9	5.2	5.2	5.2	5.5	5.8	5.9	5.9	6.2
85°	4.7	5.0	5.2	5.5	5.5	5.5	5.8	6.0	6.2	6.4	6.6
82.5°	5.2	5.5	5.4	5.5	5.9	6.2	6.2	6.3	6.6	6.9	7.0
80°	5.2	5.5	5.6	5.8	6.3	6.8	6.6	6.7	7.1	7.3	7.5
77.5°	5.5	5.7	5.9	6.1	6.5	6.8	6.9	7.0	7.5	7.8	7.9
75°	5.9	6.0	6.0	6.3	6.7	6.9	7.1	7.4	7.9	8.3	8.3
72.5°	6.4	6.4	6.3	6.4	7.0	7.4	7.5	7.7	8.2	8.7	8.8
70°	7.2	6.9	6.7	6.9	7.4	7.9	8.1	8.4	8.6	9.0	9.3
67.5°	8.2	7.8	7.3	7.5	7.9	8.5	8.8	9.1	9.3	9.5	9.8
65°	11.3	9.9	8.2	8.6	8.7	9.3	9.8	10.1	10.1	10.4	10.4
62.5°	15.8	13.3	11.9	10.5	10.3	11.1	11.0	11.8	11.2	11.4	11.3
60°	21.6	17.8	16.0	14.5	13.6	13.5	13.9	13.7	13.5	12.4	12.3
57.5°	27.1	22.0	21.4	19.4	18.8	17.7	17.9	17.5	16.4	15.3	13.5
55°	32.1	27.6	27.7	26.2	25.6	23.6	23.4	22.5	20.4	19.0	14.9
52.5°	37.1	35.5	35.1	35.5	35.0	31.4	31.1	28.2	26.5	23.1	18.8
50°	45.0	46.5	44.9	47.5	46.1	43.8	39.4	36.4	33.0	28.1	23.0
47.5°	65.4	66.5	61.4	63.4	61.0	57.7	51.9	45.5	40.0	34.5	27.3
45°	113.6	97.7	91.6	85.7	80.3	76.0	66.6	55.2	48.8	41.0	31.6
42.5°	179.7	158.1	141.0	111.5	109.3	97.2	83.2	69.9	58.1	47.7	36.9
40°	283.5	243.1	205.9	173.2	145.4	120.7	105.2	86.3	67.7	55.2	43.0
37.5°	393.9	342.7	293.8	243.6	193.1	158.8	129.5	103.5	79.1	63.9	49.1
35°	492.1	446.6	379.0	320.6	262.7	198.6	155.6	123.4	94.7	72.8	55.3
32.5°	576.5	532.9	459.3	394.4	319.1	239.5	188.5	146.1	110.6	81.9	61.8
30°	644.4	594.7	533.0	453.0	366.1	285.7	222.9	168.4	126.7	91.3	68.7
27.5°	710.5	654.3	598.0	506.7	409.9	325.3	251.5	190.2	143.0	101.7	76.3
25°	789.7	716.5	654.5	565.2	452.7	357.2	277.1	211.6	160.5	113.8	83.5
22.5°	888.5	777.7	711.9	626.7	501.7	388.7	302.1	234.1	175.6	125.2	90.5
20°	974.9	831.9	766.8	683.8	554.8	428.9	328.0	253.0	189.9	135.9	97.1
17.5°	1065.9	888.8	802.1	724.4	606.5	469.5	355.1	270.9	203.4	145.9	103.3
15°	1188.2	950.2	834.4	759.4	650.8	508.5	381.6	287.8	215.9	155.2	109.4
12.5°	1288.7	1007.3	866.2	786.9	685.1	543.9	406.9	303.6	227.4	164.5	115.4
10°	1385.4	1068.3	900.8	812.8	714.0	575.6	430.8	320.4	240.9	173.7	121.0
7.5°	1492.0	1125.8	934.1	837.6	738.3	602.0	455.4	340.4	254.1	182.3	126.3
5°	1578.1	1176.8	968.5	865.3	761.8	622.3	477.6	359.3	266.3	190.0	131.1
2.5°	1602.9	1219.5	1002.0	891.5	781.8	638.3	497.0	376.6	277.3	196.9	135.5
0°	1609.5	1254.2	1032.2	914.7	797.9	650.3	513.7	392.1	286.9	202.9	139.4
-2.5°	1643.6	1282.2	1059.2	948.0	826.8	665.9	523.2	400.1	295.1	209.8	145.1
-5°	1662.5	1302.0	1083.2	977.6	850.5	677.6	529.8	406.1	301.7	215.7	150.2
-7.5°	1673.2	1316.2	1104.9	1002.2	867.9	684.9	533.5	409.9	306.7	220.5	154.7
-10°	1668.0	1323.1	1123.5	1016.0	876.1	691.9	535.5	411.8	310.0	224.2	158.7
-12.5°	1675.6	1324.7	1138.4	1026.2	879.0	698.4	541.9	414.7	311.8	226.7	162.0
-15°	1675.9	1340.8	1162.4	1034.7	877.4	700.0	544.4	416.1	312.3	228.1	164.7
-17.5°	1637.8	1342.2	1184.6	1046.8	872.4	696.8	542.7	414.4	310.9	228.4	167.0
-20°	1626.7	1353.3	1197.3	1052.9	861.5	689.6	536.8	409.2	307.7	227.5	169.0



REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1611.5	1377.6	1211.8	1039.6	845.9	678.4	528.3	401.0	302.7	225.5	170.4
-25°	1564.2	1393.2	1218.5	1024.3	829.1	666.1	518.0	393.9	295.7	222.3	171.1
-27.5°	1536.4	1385.8	1214.5	998.9	811.3	648.5	507.3	388.6	290.9	217.9	171.2
-30°	1519.4	1362.9	1178.5	966.0	785.0	627.4	493.7	380.4	287.1	216.0	170.7
-32.5°	1480.2	1335.5	1124.2	928.5	755.8	602.7	477.1	369.1	281.4	215.9	170.3
-35°	1421.3	1266.7	1060.0	881.2	723.2	580.8	458.4	354.5	273.6	214.6	169.7
-37.5°	1352.6	1170.1	1001.4	831.2	681.4	553.8	439.3	341.4	263.9	212.3	168.7
-40°	1245.0	1075.8	922.6	778.3	639.8	520.3	416.9	328.7	258.0	209.0	166.9
-42.5°	1132.8	982.6	844.9	715.4	595.3	488.5	392.5	313.8	253.1	205.7	164.5
-45°	1025.8	888.8	766.3	654.8	547.9	454.1	372.8	298.1	246.9	202.0	162.1
-47.5°	918.3	801.3	692.0	591.1	506.3	419.9	348.9	289.4	239.3	197.5	160.2
-50°	820.1	715.8	619.8	534.2	457.7	391.2	326.1	279.0	232.5	191.8	157.7
-52.5°	726.9	634.4	552.1	477.3	416.9	360.3	310.5	266.6	224.4	186.9	154.6
-55°	638.8	558.5	487.1	428.3	377.2	336.5	293.4	254.1	215.1	182.1	151.3
-57.5°	558.8	485.9	433.5	384.4	345.1	312.5	276.7	240.4	207.8	176.7	149.6
-60°	482.3	431.6	385.1	349.3	317.6	289.1	259.8	227.3	200.6	171.2	147.2
-62.5°	421.8	380.4	349.0	318.6	291.2	266.7	242.8	217.0	192.3	167.7	144.3
-65°	372.1	343.2	314.5	290.0	265.9	245.7	229.2	205.9	185.8	163.7	140.9
-67.5°	331.5	307.7	284.0	261.8	244.9	230.0	214.6	197.3	179.7	159.4	136.9
-70°	295.0	273.8	256.6	242.0	228.1	214.9	204.0	189.6	173.1	154.0	132.4
-72.5°	265.0	250.9	236.7	223.6	213.8	203.9	193.9	181.4	165.7	148.1	127.7
-75°	242.2	231.2	220.6	210.7	201.8	192.8	183.6	172.7	157.9	141.9	122.1
-77.5°	225.7	216.1	206.7	197.6	189.4	181.2	173.1	163.7	149.6	134.6	116.1
-80°	209.2	200.6	192.2	184.0	176.7	169.4	161.8	153.2	140.1	126.8	109.7
-82.5°	192.4	184.8	177.3	169.7	163.0	156.1	149.3	142.1	130.4	118.7	103.7
-85°	175.2	168.4	161.6	154.7	148.7	142.6	137.4	131.8	122.1	112.3	98.7
-87.5°	161.0	155.0	149.2	143.4	138.5	133.5	128.5	123.4	114.6	105.8	93.5
-90°	4.1	4.1	4.5	4.8	4.8	4.8	5.2	5.5	5.5	5.5	5.8



REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	77.2	63.9	50.6	36.2	21.9	14.7	7.5
87.5°	6.5	6.4	6.3	6.3	6.3	7.0	7.5
85°	6.8	6.7	6.6	6.6	6.5	7.1	7.5
82.5°	7.2	7.0	6.8	6.8	6.7	7.3	7.5
80°	7.5	7.3	7.1	7.0	6.9	7.4	7.5
77.5°	7.9	7.7	7.3	7.2	7.1	7.6	7.5
75°	8.3	8.1	7.6	7.5	7.3	7.7	7.5
72.5°	8.7	8.6	8.1	7.7	7.5	7.9	7.5
70°	9.2	9.1	8.6	8.0	7.7	8.0	7.5
67.5°	9.8	9.6	9.1	8.4	8.0	8.2	7.5
65°	10.4	10.1	9.6	8.8	8.2	8.4	7.5
62.5°	11.0	10.7	10.1	9.2	8.5	8.5	7.5
60°	11.7	11.3	10.5	9.6	8.7	8.7	7.5
57.5°	13.0	11.9	11.2	10.0	9.2	8.9	7.5
55°	14.5	12.5	12.0	10.4	9.7	9.0	7.5
52.5°	16.1	13.3	12.8	10.8	10.1	9.2	7.5
50°	17.9	15.2	13.6	11.1	10.7	9.4	7.5
47.5°	20.0	17.1	14.6	11.6	11.2	9.6	7.5
45°	23.8	19.2	15.5	12.4	11.8	9.7	7.5
42.5°	27.6	21.4	16.6	13.1	12.4	9.9	7.5
40°	31.7	23.7	18.0	14.3	13.0	10.1	7.5
37.5°	36.0	26.1	19.8	15.6	13.7	10.2	7.5
35°	40.4	29.2	21.6	17.0	14.3	10.4	7.5
32.5°	45.1	32.7	23.5	18.5	15.0	10.6	7.5
30°	50.6	36.2	25.3	19.9	15.7	10.7	7.5
27.5°	56.0	39.6	27.8	21.4	16.4	10.9	7.5
25°	61.2	43.0	30.4	22.9	17.2	11.0	7.5
22.5°	66.3	46.4	32.9	24.4	17.9	11.2	7.5
20°	71.2	50.1	35.3	25.9	18.6	11.3	7.5
17.5°	76.2	53.7	37.6	27.4	19.3	11.5	7.5
15°	80.9	57.1	39.9	28.8	20.1	11.6	7.5
12.5°	85.4	60.3	42.2	30.3	20.8	11.7	7.5
10°	89.6	63.4	44.3	31.7	21.4	11.9	7.5
7.5°	93.5	66.3	46.4	33.1	22.1	12.0	7.5
5°	97.0	69.0	48.3	34.4	22.7	12.1	7.5
2.5°	100.3	71.5	50.2	35.7	23.3	12.2	7.5
0°	103.2	73.8	51.9	36.9	23.9	12.3	7.5
-2.5°	107.6	77.2	54.3	38.5	24.9	12.8	7.5
-5°	111.6	80.3	56.6	40.1	25.9	13.2	7.5
-7.5°	115.3	83.2	58.7	41.5	26.8	13.7	7.5
-10°	118.5	85.8	60.7	42.9	27.7	14.1	7.5
-12.5°	121.3	88.2	62.6	44.2	28.5	14.5	7.5
-15°	123.7	90.2	64.3	45.4	29.3	14.9	7.5
-17.5°	125.6	92.0	65.8	46.5	30.0	15.3	7.5
-20°	127.3	93.4	67.1	47.4	30.6	15.7	7.5



REPORT NUMBER: P1306104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	129.1	94.5	68.3	48.3	31.2	16.0	7.5
-25°	130.3	95.9	69.2	49.1	31.7	16.3	7.5
-27.5°	131.1	97.1	70.0	49.7	32.1	16.6	7.5
-30°	131.4	98.1	70.6	50.3	32.5	16.9	7.5
-32.5°	131.1	98.7	71.8	50.7	32.8	17.1	7.5
-35°	131.1	99.0	72.8	51.0	33.0	17.3	7.5
-37.5°	131.1	99.3	73.6	51.2	33.2	17.5	7.5
-40°	130.7	100.0	74.2	51.3	33.2	17.7	7.5
-42.5°	130.0	100.5	74.7	51.4	33.3	17.8	7.5
-45°	128.8	100.8	75.1	51.7	33.2	17.9	7.5
-47.5°	127.2	100.8	75.3	51.8	33.0	17.9	7.5
-50°	126.7	100.5	75.2	51.8	32.8	17.9	7.5
-52.5°	126.0	100.0	74.8	51.7	32.5	17.9	7.5
-55°	124.9	99.1	74.2	51.5	32.2	17.9	7.5
-57.5°	123.5	97.9	73.4	51.1	31.8	17.9	7.5
-60°	121.8	96.4	72.4	50.6	31.3	17.8	7.5
-62.5°	119.5	94.7	71.3	49.9	30.8	17.6	7.5
-65°	116.9	92.7	70.1	49.1	30.4	17.5	7.5
-67.5°	114.0	90.4	68.7	48.2	29.8	17.3	7.5
-70°	110.7	88.0	67.1	47.1	29.1	17.1	7.5
-72.5°	106.8	85.3	65.3	46.1	28.4	16.9	7.5
-75°	102.5	82.3	63.3	45.0	27.6	16.6	7.5
-77.5°	97.9	79.0	61.5	43.8	26.8	16.4	7.5
-80°	93.0	76.1	59.6	42.5	25.9	16.1	7.5
-82.5°	89.2	73.3	57.5	41.1	25.0	15.7	7.5
-85°	85.4	70.3	55.3	39.6	24.0	15.4	7.5
-87.5°	81.4	67.2	53.0	37.9	23.0	15.1	7.5
-90°	6.1	6.1	6.1	6.1	6.1	6.8	7.5

(END OF REPORT)