

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: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320L-40-70-4S-VHE-A**

Issue Date: 2/3/2026

Test Information

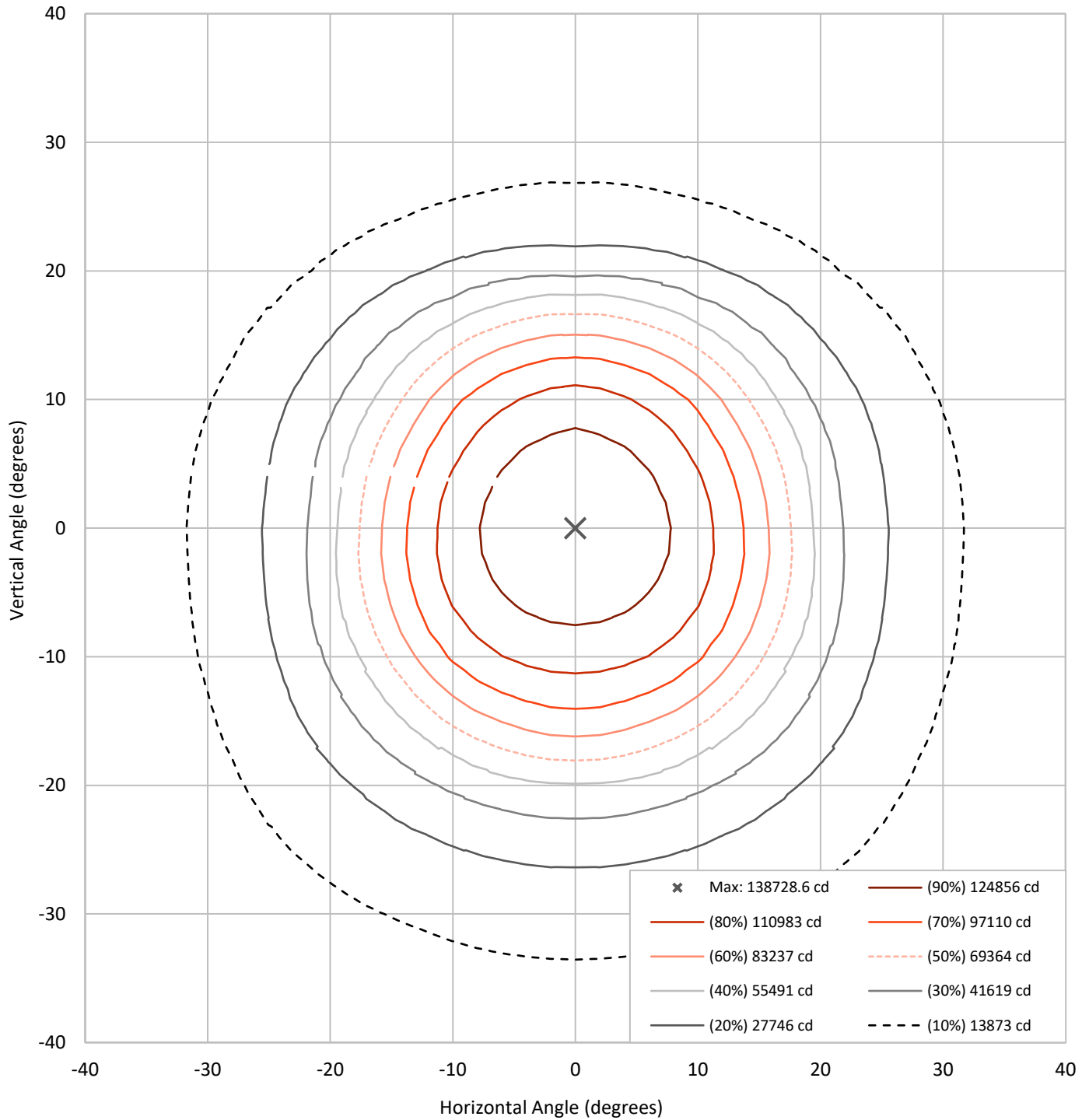
Test Method: LM-79-08
Report Number: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-4)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-320L-40-70-4S-VHE-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 4S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	57547.4 lumens	Max Intensity:	138728.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	172.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	35.2°H x 34.7°V	Field Angle (10%):	63.4°H x 60.3°V
Beam Lumens:	30887.4 lumens	Field Lumens:	50263 lumens
Beam Efficiency:	53.7%	Field Efficiency:	87.3%
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: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

Iso-Candela Plot





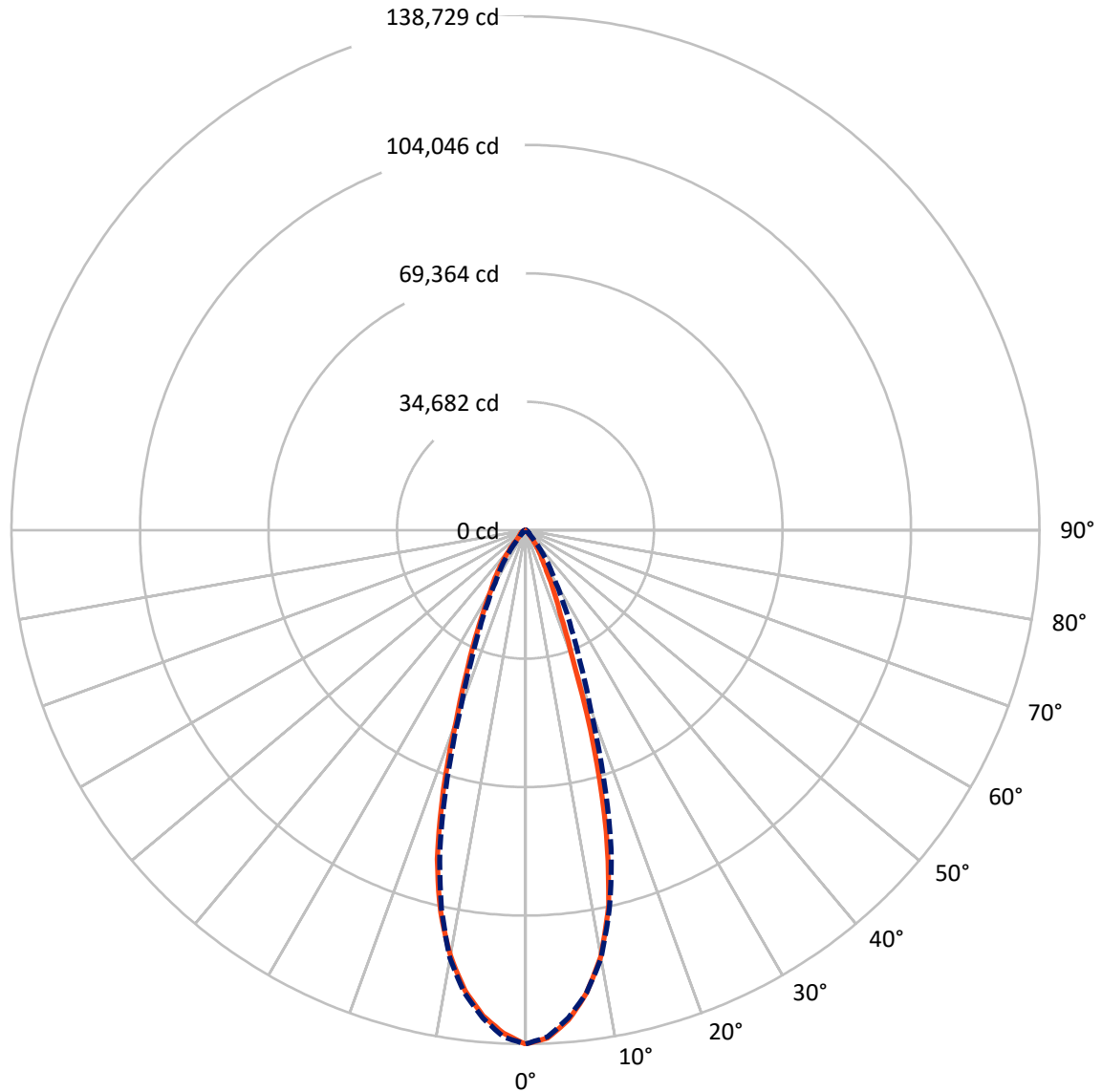
REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

Lumen Table

90	0.2	0.6		1.1		1.5		1.7		1.5		1.1		0.6		0.2
80	0.2	0.1	0.2	0.4	0.5	0.4	0.4	0.5	0.5	0.4	0.4	0.5	0.4	0.2	0.1	0.2
70	0.2	0.3	0.5	0.8	0.8	0.6	0.7	0.8	0.8	0.7	0.6	0.8	0.8	0.5	0.3	0.2
60		0.7	1.6	3.3	6.0	9.6	14.0	18.0	18.0	14.0	9.6	6.0	3.3	1.6	0.7	
50	0.6	1.7	5.5	10.5	17.2	39.7	88.8	143.9	143.9	88.8	39.7	17.2	10.5	5.5	1.7	0.6
40		3.0	9.1	17.7	55.5	170.8	372.8	565.3	565.3	372.8	170.8	55.5	17.7	9.1	3.0	
30	1.3	4.1	12.0	28.3	144.6	479.4	1280.9	2276.1	2276.1	1280.9	479.4	144.6	28.3	12.0	4.1	1.3
20		5.0	14.0	39.2	226.3	786.9	2328.9	3729.3	3729.3	2328.9	786.9	226.3	39.2	14.0	5.0	
10	1.9	5.6	15.6	43.9	242.5	826.4	2441.5	3758.8	3758.8	2441.5	826.4	242.5	43.9	15.6	5.6	1.9
0		5.8	16.5	40.4	193.6	610.5	1536.9	2525.0	2525.0	1536.9	610.5	193.6	40.4	16.5	5.8	
-10	2.1	5.4	16.4	34.6	106.5	339.0	665.6	961.3	961.3	665.6	339.0	106.5	34.6	16.4	5.4	2.1
-20		4.6	14.8	29.0	51.2	125.8	253.5	350.4	350.4	253.5	125.8	51.2	29.0	14.8	4.6	
-30	2.0	3.6	11.1	23.2	36.6	50.8	69.3	88.7	88.7	69.3	50.8	36.6	23.2	11.1	3.6	2.0
-40		2.7	6.9	15.1	26.0	35.1	42.4	47.5	47.5	42.4	35.1	26.0	15.1	6.9	2.7	
-50	1.7	2.0	4.1	7.6	13.1	18.5	23.5	26.9	26.9	23.5	18.5	13.1	7.6	4.1	2.0	1.7
-60		1.2	7.3		16.4		26.6		32.6		26.6		16.4		7.3	
-70	1.2	7.3		16.4		26.6		32.6		26.6		16.4		7.3		1.2
-80	1.2	7.3		16.4		26.6		32.6		26.6		16.4		7.3		1.2
-90	1.2	7.3		16.4		26.6		32.6		26.6		16.4		7.3		1.2

REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

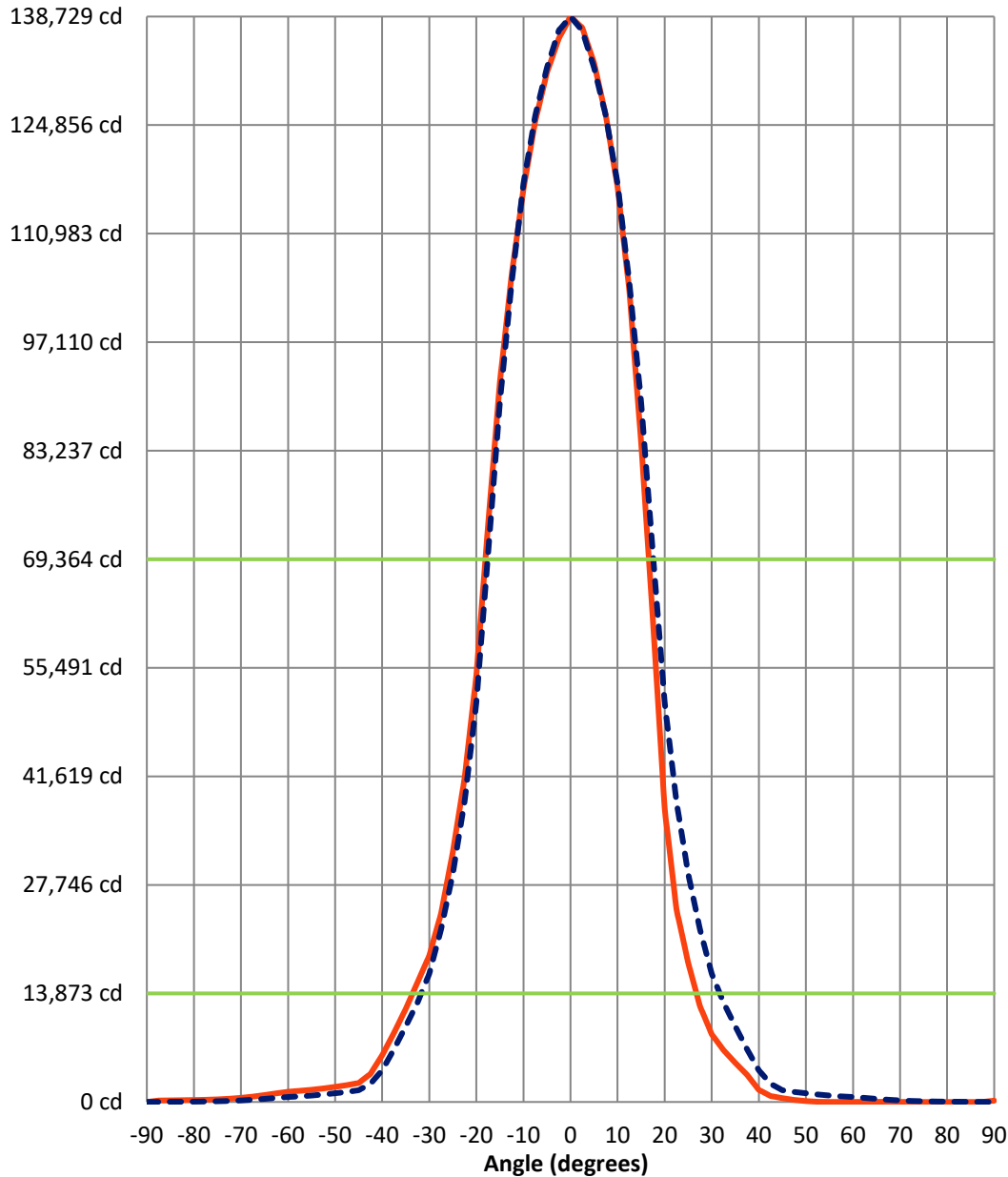
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

Luminous Intensity Plot



Beam:
 H Angle: 35.2°
 V Angle: 34.7°
 Lumens: 30887.4
 Efficiency: 53.7%

Field:
 H Angle: 63.4°
 V Angle: 60.3°
 Lumens: 50263
 Efficiency: 87.3%

Spill:
 Lumens: 7284.3
 Efficiency: 12.7%

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



REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	6.2	11.7	17.2	28.1	39.1	49.0	59.0	66.9	74.8	80.0	85.1
87.5°	6.2	5.6	4.9	5.0	5.0	5.0	5.0	4.7	4.3	4.4	4.4
85°	6.2	5.7	5.1	5.2	5.3	5.3	5.2	4.9	4.6	4.6	4.7
82.5°	6.2	5.9	5.2	5.3	5.5	5.5	5.4	5.1	4.9	5.0	5.0
80°	6.2	6.0	5.3	5.5	5.8	5.7	5.6	5.5	5.3	5.4	5.3
77.5°	6.2	6.1	5.5	5.7	6.0	6.0	5.9	5.9	5.8	5.8	5.6
75°	6.2	6.2	5.6	5.9	6.2	6.3	6.3	6.3	6.3	6.1	5.7
72.5°	6.2	6.4	5.8	6.1	6.5	6.6	6.7	6.7	6.6	6.3	5.8
70°	6.2	6.5	6.0	6.2	6.7	6.9	7.1	7.1	6.9	6.6	6.3
67.5°	6.2	6.6	6.1	6.5	7.0	7.2	7.5	7.5	7.3	7.1	7.0
65°	6.2	6.8	6.3	6.8	7.3	7.6	8.0	7.9	8.1	7.7	7.8
62.5°	6.2	6.9	6.5	7.1	7.6	8.2	8.6	8.8	9.0	8.5	9.3
60°	6.2	7.1	6.7	7.3	7.9	8.9	9.2	10.0	10.1	10.8	11.0
57.5°	6.2	7.2	7.1	7.6	8.6	9.6	10.5	11.3	12.6	13.5	15.0
55°	6.2	7.3	7.5	7.9	9.3	10.3	12.0	12.8	15.6	17.0	20.1
52.5°	6.2	7.5	7.9	8.2	10.2	11.2	13.5	15.8	18.9	23.0	25.7
50°	6.2	7.6	8.4	8.5	11.0	12.8	15.1	19.2	23.1	29.4	33.2
47.5°	6.2	7.8	8.9	8.9	11.9	14.4	16.9	22.6	29.4	36.2	41.8
45°	6.2	7.9	9.3	9.6	12.8	16.1	20.0	26.2	36.1	44.6	51.0
42.5°	6.2	8.1	9.9	10.3	13.8	17.8	23.2	31.3	43.1	53.4	65.8
40°	6.2	8.2	10.4	11.3	15.0	19.7	26.6	37.6	50.7	62.7	82.8
37.5°	6.2	8.4	11.0	12.5	16.4	21.6	30.1	43.9	59.5	74.7	101.3
35°	6.2	8.5	11.5	13.8	17.9	24.1	33.7	50.4	68.7	91.8	123.7
32.5°	6.2	8.7	12.1	15.0	19.3	26.9	37.7	56.8	78.2	109.4	149.3
30°	6.2	8.8	12.7	16.2	20.8	29.7	42.9	63.5	88.0	127.3	173.7
27.5°	6.2	9.0	13.4	17.5	22.8	32.4	48.0	70.7	98.8	145.4	196.9
25°	6.2	9.1	14.0	18.7	24.8	35.0	53.0	77.6	111.2	164.3	218.8
22.5°	6.2	9.2	14.6	20.0	26.8	37.8	57.7	84.1	122.9	179.0	241.3
20°	6.2	9.4	15.3	21.2	28.7	40.9	62.3	90.3	133.7	192.7	259.5
17.5°	6.2	9.5	15.9	22.4	30.6	44.0	67.0	96.1	143.6	205.4	276.5
15°	6.2	9.6	16.5	23.7	32.4	46.9	71.7	101.9	152.7	217.0	292.5
12.5°	6.2	9.8	17.1	24.8	34.2	49.8	76.1	107.8	161.8	227.5	307.3
10°	6.2	9.9	17.7	26.0	35.9	52.5	80.2	113.4	170.8	241.2	323.6
7.5°	6.2	10.0	18.3	27.1	37.5	55.0	84.0	118.5	178.9	254.6	344.5
5°	6.2	10.1	18.9	28.2	39.1	57.5	87.4	123.2	186.1	267.0	364.3
2.5°	6.2	10.2	19.4	29.2	40.5	59.7	90.5	127.4	192.4	278.3	382.4
0°	6.2	10.3	19.9	30.2	41.9	61.8	93.3	131.1	197.7	288.2	398.7
-2.5°	6.2	10.7	20.7	31.5	43.8	64.3	96.5	135.6	204.6	296.3	406.9
-5°	6.2	11.0	21.4	32.7	45.7	66.6	99.3	139.5	210.4	302.8	412.8
-7.5°	6.2	11.4	22.1	33.8	47.4	68.6	101.8	142.9	214.9	307.5	416.6
-10°	6.2	11.7	22.7	34.9	49.1	70.5	103.8	145.6	218.0	310.5	418.2
-12.5°	6.2	12.0	23.3	35.9	50.5	72.2	105.4	147.6	219.6	311.7	420.0
-15°	6.2	12.4	23.9	36.8	51.9	73.6	106.5	148.9	219.4	310.3	420.0
-17.5°	6.2	12.7	24.4	37.7	53.1	74.8	107.2	149.7	217.2	306.9	416.4
-20°	6.2	12.9	24.8	38.4	54.2	75.7	107.7	150.2	213.8	301.3	409.3



REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.2	13.2	25.2	39.0	55.1	76.5	108.3	149.9	209.0	293.6	398.6
-25°	6.2	13.4	25.6	39.6	55.9	77.4	108.3	149.1	203.0	283.8	387.5
-27.5°	6.2	13.6	25.9	40.0	56.5	78.2	107.9	147.5	195.6	275.3	378.0
-30°	6.2	13.8	26.2	40.4	56.9	78.7	106.9	145.4	191.2	267.4	365.5
-32.5°	6.2	14.0	26.4	40.6	57.7	79.0	105.5	143.5	188.7	257.5	349.8
-35°	6.2	14.2	26.5	40.8	58.3	79.0	104.9	141.3	185.1	245.5	331.0
-37.5°	6.2	14.3	26.6	40.8	58.7	79.0	104.6	138.4	180.4	231.5	313.0
-40°	6.2	14.4	26.7	40.8	59.0	79.3	104.0	134.8	174.7	222.5	295.5
-42.5°	6.2	14.5	26.7	40.7	59.2	79.5	102.9	130.4	169.1	215.0	275.9
-45°	6.2	14.5	26.6	40.8	59.3	79.4	101.3	126.7	163.2	206.2	255.9
-47.5°	6.2	14.6	26.5	40.8	59.2	79.1	99.4	124.5	156.4	196.0	244.2
-50°	6.2	14.6	26.4	40.8	59.0	78.6	98.4	121.8	148.5	186.9	231.0
-52.5°	6.2	14.6	26.1	40.7	58.6	77.9	97.4	118.8	143.4	176.7	215.7
-55°	6.2	14.5	25.9	40.5	58.0	76.9	96.0	115.6	139.0	165.4	201.0
-57.5°	6.2	14.4	25.6	40.3	57.2	75.7	94.5	113.7	134.2	158.2	185.3
-60°	6.2	14.4	25.2	39.9	56.3	74.4	92.7	111.3	129.3	151.8	171.3
-62.5°	6.2	14.2	24.8	39.4	55.6	72.8	90.6	108.6	125.9	144.5	162.4
-65°	6.2	14.1	24.4	38.8	54.7	71.0	88.3	105.5	122.0	138.5	153.2
-67.5°	6.2	13.9	23.9	38.1	53.6	69.1	85.7	102.0	117.8	132.9	145.9
-70°	6.2	13.8	23.3	37.3	52.4	67.3	82.9	98.4	113.4	127.0	139.3
-72.5°	6.2	13.6	22.7	36.5	51.1	65.2	80.1	94.4	108.8	121.1	132.4
-75°	6.2	13.3	22.0	35.5	49.6	63.0	77.0	90.4	103.8	114.9	125.4
-77.5°	6.2	13.1	21.3	34.5	48.1	60.6	73.8	86.1	98.7	108.6	118.1
-80°	6.2	12.9	20.6	33.4	46.5	58.4	70.3	81.7	93.3	102.2	110.7
-82.5°	6.2	12.6	19.8	32.2	44.8	56.2	67.6	77.5	87.7	95.6	103.3
-85°	6.2	12.3	18.9	30.9	43.0	53.9	64.8	74.1	83.4	90.0	96.5
-87.5°	6.2	12.0	18.1	29.6	41.1	51.5	62.0	70.6	79.2	85.0	90.8
-90°	6.2	5.5	4.8	4.8	4.8	4.8	4.8	4.5	4.1	4.1	4.1



REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	88.9	92.7	96.1	99.5	103.6	107.7	111.9	116.0	120.5	124.9	129.4
87.5°	4.1	3.8	3.8	3.8	3.5	3.2	2.9	2.7	2.7	2.7	2.6
85°	4.4	4.1	4.1	4.1	3.8	3.6	3.3	3.0	3.0	3.1	2.9
82.5°	4.7	4.5	4.3	4.1	4.0	4.1	3.8	3.5	3.5	3.4	3.2
80°	5.1	4.8	4.5	4.3	4.3	4.1	4.0	4.0	3.8	3.5	3.5
77.5°	5.2	4.9	4.7	4.7	4.5	4.2	4.1	4.1	4.0	4.0	3.8
75°	5.3	4.9	4.9	4.9	4.6	4.2	4.1	4.3	4.3	4.2	4.0
72.5°	5.5	5.4	5.2	5.0	4.8	4.6	4.6	4.7	5.1	5.5	5.8
70°	6.1	5.9	5.7	5.5	5.3	5.2	5.8	7.0	8.1	8.5	9.7
67.5°	6.8	6.6	6.4	6.2	6.2	6.8	7.6	10.1	12.3	13.8	15.5
65°	7.5	7.4	7.4	7.5	7.5	9.6	11.9	14.4	18.3	20.5	20.5
62.5°	8.3	9.4	9.0	9.6	11.5	13.8	17.2	21.7	26.6	28.6	27.3
60°	11.9	12.4	12.7	14.2	16.1	18.5	23.3	28.8	34.4	37.8	32.8
57.5°	16.4	17.1	18.3	19.2	21.4	22.8	28.5	35.1	38.8	41.0	35.2
55°	22.0	23.1	24.9	25.3	27.1	27.7	32.5	37.0	40.1	40.8	34.6
52.5°	29.1	30.3	33.0	33.4	33.5	34.1	34.8	39.8	42.3	41.6	35.9
50°	36.8	41.0	42.4	44.0	42.0	42.8	40.6	46.4	51.3	50.0	51.7
47.5°	48.1	53.4	55.5	58.3	56.9	61.6	59.9	71.0	74.8	97.0	102.0
45°	61.7	71.1	74.0	80.5	87.1	92.6	110.5	112.0	158.8	178.3	215.1
42.5°	78.1	92.8	104.8	107.2	139.1	156.0	180.9	221.8	262.8	300.4	325.4
40°	102.4	117.7	143.3	173.2	207.0	243.6	276.7	324.2	363.9	393.4	411.2
37.5°	130.1	159.1	194.0	248.0	293.7	331.0	368.6	409.6	447.0	473.0	506.9
35°	160.4	202.7	267.5	323.7	372.8	407.8	444.6	488.0	523.4	565.3	607.1
32.5°	197.3	247.3	328.6	389.2	429.1	470.6	513.0	558.7	609.3	661.0	714.5
30°	233.7	297.4	376.9	439.9	478.5	526.9	578.4	632.0	698.4	763.5	835.8
27.5°	262.4	340.5	416.1	481.2	526.2	583.4	646.3	716.3	795.2	874.8	970.8
25°	288.0	372.6	455.6	524.6	581.8	645.2	719.1	803.1	897.0	1008.9	1310.8
22.5°	313.0	403.8	499.2	571.1	635.3	707.0	796.1	894.2	1004.7	1153.3	1687.4
20°	338.7	439.1	541.0	609.8	684.2	764.6	869.0	982.8	1119.7	1471.0	2258.8
17.5°	365.0	475.5	576.5	643.7	722.2	820.1	941.5	1069.9	1236.8	1768.5	2974.3
15°	390.7	509.9	605.0	673.7	760.2	874.3	1009.8	1167.1	1444.1	2183.6	3691.2
12.5°	415.3	540.8	626.1	699.5	797.8	925.3	1073.2	1249.7	1687.7	2743.8	4473.3
10°	438.4	568.1	644.6	724.2	834.5	973.2	1130.0	1322.3	1900.4	3191.5	5092.4
7.5°	463.5	591.5	661.2	747.6	868.3	1017.0	1176.8	1378.3	2058.8	3534.8	5552.3
5°	486.2	610.6	680.5	775.0	902.0	1056.5	1216.8	1425.2	2167.0	3752.3	5871.4
2.5°	506.0	625.8	698.3	801.0	933.5	1091.2	1253.0	1472.1	2263.4	3936.3	6275.3
0°	523.0	637.6	714.4	824.2	960.8	1120.0	1282.7	1509.9	2327.9	4060.2	6743.6
-2.5°	533.4	655.3	741.2	848.6	983.3	1140.5	1309.5	1550.2	2393.3	4327.9	6922.0
-5°	540.8	669.5	765.3	869.9	1001.5	1155.4	1329.2	1578.8	2421.4	4401.6	6870.1
-7.5°	545.1	679.9	785.9	888.6	1017.8	1172.8	1360.1	1617.1	2434.1	4220.1	6575.7
-10°	547.4	688.6	799.3	904.0	1032.9	1188.8	1384.2	1641.7	2381.8	3975.1	6236.9
-12.5°	553.2	696.0	810.0	915.4	1043.0	1200.2	1403.0	1660.3	2262.7	3638.6	5771.4
-15°	554.7	699.9	819.0	923.2	1053.5	1217.0	1417.2	1663.5	2090.8	3203.7	5177.0
-17.5°	551.6	700.1	825.2	929.4	1058.7	1223.5	1421.7	1654.4	1962.3	2887.8	4578.9
-20°	543.6	691.9	827.1	930.0	1056.7	1226.1	1424.0	1650.4	1930.9	2564.7	3853.7



REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	530.6	679.0	820.5	929.0	1063.7	1227.2	1417.4	1626.1	1862.9	2175.0	3131.7
-25°	516.6	660.6	803.1	932.3	1065.0	1221.6	1389.7	1581.3	1799.9	2044.0	2616.6
-27.5°	501.5	639.2	785.3	928.1	1058.5	1200.2	1356.3	1535.9	1716.0	1913.0	2156.9
-30°	483.2	615.9	761.4	913.1	1043.1	1175.5	1319.5	1464.6	1626.1	1803.5	2010.0
-32.5°	461.4	588.5	731.7	881.6	1022.8	1146.8	1267.3	1397.6	1541.6	1698.1	1868.9
-35°	437.5	560.7	696.9	843.3	997.9	1111.8	1216.5	1329.2	1456.8	1599.8	1758.5
-37.5°	413.4	528.7	656.2	798.9	949.2	1068.5	1162.8	1268.0	1380.3	1502.7	1650.3
-40°	386.0	491.8	613.7	748.5	881.8	1010.7	1114.3	1209.7	1308.5	1420.4	1540.9
-42.5°	356.5	455.8	567.1	689.4	810.4	933.3	1063.0	1156.8	1245.1	1340.2	1445.8
-45°	331.9	416.1	516.8	625.5	734.6	853.6	978.9	1104.1	1184.8	1267.0	1357.1
-47.5°	303.3	375.9	467.9	558.5	659.2	771.4	890.0	1006.2	1120.8	1200.8	1276.6
-50°	276.1	341.8	412.1	495.5	585.2	688.8	797.4	903.7	1011.1	1119.5	1205.9
-52.5°	257.3	305.3	366.3	432.1	515.1	606.7	701.9	796.6	897.5	1000.9	1100.5
-55°	237.1	278.2	321.7	377.6	445.9	527.5	606.8	691.6	778.2	873.6	970.6
-57.5°	217.9	251.9	286.0	328.6	386.0	448.3	517.8	587.5	666.0	745.9	829.0
-60°	198.8	226.7	255.7	289.6	329.2	381.7	432.1	492.7	558.0	623.7	697.5
-62.5°	180.5	203.3	227.4	256.1	289.2	320.2	361.8	408.8	455.9	514.1	573.9
-65°	169.8	182.4	201.4	226.3	252.0	279.5	306.5	335.3	376.2	419.7	462.2
-67.5°	158.4	170.1	181.9	197.2	219.8	241.2	263.0	288.3	314.4	342.5	373.4
-70°	149.9	158.0	168.5	180.5	192.3	205.3	224.7	244.8	264.9	286.7	311.0
-72.5°	141.8	149.4	157.2	165.7	176.0	185.9	196.1	207.0	222.8	242.1	260.1
-75°	133.6	140.7	147.8	155.2	163.0	170.5	178.5	188.3	199.2	211.0	222.0
-77.5°	125.3	131.8	138.4	144.8	151.8	159.1	166.0	173.0	181.5	190.6	199.3
-80°	117.1	122.9	129.0	135.0	141.1	147.5	153.5	159.4	166.8	174.6	182.3
-82.5°	109.1	114.6	119.8	125.1	130.4	135.7	141.1	146.6	153.4	160.3	166.8
-85°	101.4	106.2	110.7	115.1	120.0	124.8	129.5	134.2	140.4	146.5	152.2
-87.5°	95.2	99.5	103.3	107.0	111.3	115.6	119.7	123.7	129.0	134.3	139.1
-90°	3.8	3.4	3.4	3.4	3.1	2.7	2.7	2.7	2.7	2.7	2.4



REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	133.8	136.9	140.0	142.1	144.1	147.2	150.3	154.8	159.2	163.0	166.8
87.5°	2.6	2.4	2.1	2.1	2.0	2.0	2.1	1.7	1.4	1.4	1.4
85°	2.7	2.6	2.5	2.6	2.6	2.4	2.1	2.1	2.1	2.1	2.1
82.5°	3.0	2.9	2.7	2.7	2.7	2.6	2.6	2.4	2.1	2.1	2.1
80°	3.4	3.2	3.1	2.9	2.7	2.7	2.7	2.4	2.1	2.1	2.1
77.5°	3.5	3.5	3.4	3.1	2.8	2.7	2.7	2.4	2.1	2.1	2.1
75°	4.0	4.0	3.9	3.8	3.7	3.8	4.0	3.9	3.8	3.6	3.3
72.5°	6.2	6.2	6.1	6.4	6.8	7.1	7.3	7.5	7.7	8.3	8.9
70°	10.9	11.8	11.8	11.8	11.8	11.4	11.0	10.9	11.0	11.2	11.4
67.5°	16.5	17.2	17.4	17.6	16.1	15.1	14.7	14.7	15.4	16.6	18.3
65°	21.0	19.7	18.6	17.4	17.5	17.4	16.7	16.3	16.9	17.6	18.4
62.5°	25.0	19.9	16.6	14.9	15.2	15.8	14.3	13.1	12.7	12.5	12.6
60°	26.9	18.7	13.2	11.1	10.0	9.4	8.4	7.2	6.8	6.7	6.9
57.5°	27.2	17.8	10.5	8.3	6.3	4.9	4.1	3.6	3.6	3.4	3.4
55°	26.3	18.0	10.2	9.3	8.6	7.8	6.8	6.6	6.3	6.2	6.6
52.5°	27.2	25.2	20.7	20.0	24.5	24.6	21.1	26.1	29.4	31.9	33.1
50°	53.9	51.8	65.4	65.4	79.1	91.0	87.6	94.4	106.4	116.7	123.1
47.5°	125.9	135.8	156.2	174.5	195.3	221.4	233.0	241.2	251.6	265.6	275.0
45°	234.4	258.9	285.5	315.2	349.8	380.5	398.3	415.5	426.9	439.3	454.0
42.5°	348.0	377.3	416.7	452.2	489.7	525.5	553.7	578.6	627.1	696.3	751.3
40°	445.3	478.6	524.3	571.7	615.9	661.2	785.8	892.0	1024.3	1221.9	1397.0
37.5°	541.9	580.4	631.4	689.4	822.8	957.7	1229.9	1523.9	1778.7	2064.4	2352.8
35°	647.2	697.7	766.0	961.2	1207.9	1567.7	1958.0	2394.7	2765.4	3164.3	3748.7
32.5°	771.5	859.8	1080.3	1435.1	1877.7	2388.7	2872.9	3421.8	3884.8	4617.6	5510.2
30°	931.8	1208.5	1632.0	2121.9	2719.0	3365.9	3972.9	4862.0	5900.7	6820.2	7579.6
27.5°	1318.3	1852.8	2444.1	3064.9	3812.6	4596.5	5869.3	7020.1	8137.7	9130.5	10284.0
25°	1895.3	2753.0	3763.5	4595.8	5611.8	7028.4	8467.7	9735.1	11433.6	12927.6	14603.4
22.5°	2711.6	3932.9	5234.4	6449.6	8009.9	9784.2	11720.7	14055.8	16415.4	19036.4	21368.1
20°	3508.4	5053.5	6701.7	8451.1	10449.4	12667.8	15833.2	19622.8	23258.8	27388.1	30870.1
17.5°	4569.4	6437.2	8386.5	10610.3	13179.4	16592.4	21264.5	26446.3	32068.9	38235.0	43937.1
15°	5648.3	7660.5	9925.6	12771.7	16405.6	21044.2	27004.7	34058.8	42281.4	51345.9	62365.9
12.5°	6532.6	8732.9	11381.6	14968.1	19721.0	25924.3	33146.0	41637.4	52910.3	66582.1	79385.4
10°	7288.0	9926.4	13273.3	17518.0	23108.5	30111.5	38315.3	48828.3	64013.5	79851.7	93902.0
7.5°	8066.2	11187.5	14732.0	19334.3	25690.8	33639.8	43741.8	57470.4	74178.1	90422.8	103307.6
5°	8800.2	12047.4	15652.4	20569.4	27443.5	35980.7	47442.6	64164.1	82345.6	98256.3	110361.5
2.5°	9375.1	12479.9	16137.1	21489.4	28391.0	37252.9	49762.5	68303.2	87375.8	103056.4	115469.5
0°	9673.4	12714.5	16406.1	22064.6	29176.8	38420.6	51092.5	70129.9	89421.9	104692.1	117344.1
-2.5°	9607.5	12601.2	16239.5	21620.6	28997.2	38631.9	52198.4	71081.8	89774.3	105250.0	117173.8
-5°	9468.6	12422.8	16011.0	21075.1	28354.1	38100.8	50997.6	68358.5	86411.2	102285.8	113877.6
-7.5°	9209.9	12124.2	15555.0	20277.1	27288.2	36518.0	48156.1	63242.0	80560.6	96465.7	107687.6
-10°	8829.3	11662.9	14900.7	19195.4	25492.0	33969.3	43863.7	55644.7	71845.6	86716.1	99184.9
-12.5°	8288.3	11010.3	13993.0	17683.4	23322.3	30793.2	39323.1	49111.8	60690.7	75032.1	86719.9
-15°	7599.9	10159.9	12931.5	16413.5	21128.5	27249.8	34441.7	42035.3	50910.2	60809.8	72202.3
-17.5°	6755.1	9159.8	11740.8	14742.7	18555.9	23691.7	29380.7	35306.0	41712.0	48997.2	55690.3
-20°	5747.6	7947.2	10379.5	13171.7	16439.1	20148.7	24284.3	29074.4	34039.9	39239.5	43839.9



REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4724.7	6731.2	9049.0	11490.5	14330.4	17161.9	19939.6	23501.2	27335.8	31100.1	34524.3
-25°	3696.8	5468.1	7623.2	9913.1	12192.5	14505.4	16760.7	18972.3	21731.7	24154.6	26667.9
-27.5°	2936.3	4261.4	6070.9	8069.3	10055.5	11985.5	13935.4	15782.8	17523.0	18986.2	20680.6
-30°	2309.3	3203.7	4601.6	6174.1	7912.0	9612.5	11292.8	12853.4	14223.7	15428.5	16605.1
-32.5°	2087.9	2453.1	3283.8	4478.8	5849.9	7341.7	8746.2	10086.6	11216.3	12336.0	13390.3
-35°	1931.4	2132.5	2404.0	3150.5	4043.4	5230.7	6331.6	7444.0	8392.8	9511.0	10375.6
-37.5°	1803.1	1958.0	2129.7	2305.8	2848.7	3443.1	4235.8	5069.7	5802.7	6740.6	7504.0
-40°	1678.9	1816.0	1950.2	2084.1	2228.5	2361.2	2832.9	3263.0	3760.2	4401.8	4950.8
-42.5°	1558.8	1679.6	1795.8	1904.6	2005.5	2092.6	2187.5	2278.5	2547.1	2874.1	3125.2
-45°	1451.0	1553.7	1651.0	1743.0	1819.9	1889.6	1962.8	2038.9	2138.7	2229.5	2304.4
-47.5°	1359.5	1440.6	1520.3	1595.3	1654.3	1713.8	1772.1	1837.8	1915.5	1991.7	2055.4
-50°	1276.6	1346.8	1407.3	1460.4	1509.5	1559.8	1606.2	1664.6	1727.2	1790.1	1842.9
-52.5°	1197.2	1259.7	1310.2	1350.7	1388.0	1429.1	1469.0	1515.6	1566.4	1619.4	1661.2
-55°	1063.8	1143.2	1216.6	1254.6	1283.9	1317.8	1351.6	1389.3	1432.2	1476.7	1509.9
-57.5°	916.4	994.8	1063.9	1113.2	1161.8	1211.4	1248.6	1278.2	1317.0	1355.0	1383.7
-60°	768.3	834.1	895.1	944.9	995.7	1045.4	1087.2	1125.7	1173.6	1217.3	1252.7
-62.5°	630.5	688.0	735.1	775.4	818.7	861.9	901.8	939.7	983.3	1022.4	1055.6
-65°	505.3	553.5	588.3	620.0	654.4	690.2	721.8	753.3	788.2	819.6	846.8
-67.5°	408.5	440.5	462.2	482.4	509.7	537.5	562.3	587.3	614.1	637.8	658.5
-70°	334.5	354.4	367.8	383.3	402.7	420.5	436.7	455.0	474.7	492.9	509.4
-72.5°	277.3	290.9	301.0	313.4	325.7	337.0	347.3	360.4	374.8	388.8	402.1
-75°	232.3	241.2	250.8	259.6	268.1	276.3	283.9	294.5	305.5	316.1	326.2
-77.5°	208.4	215.0	220.4	225.3	229.9	235.2	240.5	249.4	259.1	267.2	274.9
-80°	189.9	195.1	199.5	203.3	206.8	211.1	215.5	222.8	230.3	237.2	243.9
-82.5°	173.3	177.7	181.8	185.3	188.6	192.4	196.0	202.4	209.0	214.8	220.6
-85°	157.8	161.6	165.3	168.4	171.4	174.9	178.3	183.8	189.4	194.6	199.7
-87.5°	143.9	147.3	150.7	153.0	155.3	158.6	161.9	166.9	171.8	176.4	181.0
-90°	2.1	2.1	2.1	1.8	1.4	1.4	1.4	1.4	1.4	1.1	0.7



REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	168.9	170.9	171.3	171.6	171.3	170.9	168.9	166.8	163.0	159.2	154.8
87.5°	1.0	0.7	1.0	1.4	1.0	0.7	1.0	1.4	1.4	1.4	1.7
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.4
80°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.4
77.5°	1.8	1.4	1.7	2.1	1.7	1.4	1.8	2.1	2.1	2.1	2.4
75°	3.0	2.7	2.4	2.1	2.4	2.7	3.0	3.3	3.6	3.8	3.9
72.5°	9.2	9.4	9.9	10.3	9.9	9.4	9.2	8.9	8.3	7.7	7.5
70°	11.0	10.4	10.3	10.3	10.3	10.4	11.0	11.4	11.2	11.0	10.9
67.5°	19.7	20.8	21.2	21.3	21.2	20.8	19.7	18.3	16.6	15.4	14.7
65°	19.1	19.8	19.9	19.9	19.9	19.8	19.1	18.4	17.6	16.9	16.3
62.5°	12.8	13.1	13.4	13.7	13.4	13.1	12.8	12.6	12.5	12.7	13.1
60°	7.2	7.6	7.9	8.2	7.9	7.6	7.2	6.9	6.7	6.8	7.2
57.5°	3.3	3.5	3.7	4.1	3.7	3.5	3.3	3.4	3.4	3.6	3.6
55°	6.9	7.2	7.4	7.5	7.4	7.2	6.9	6.6	6.2	6.3	6.6
52.5°	32.5	31.0	29.7	28.8	29.7	31.0	32.5	33.1	31.9	29.4	26.1
50°	125.7	122.7	119.2	116.0	119.2	122.7	125.7	123.1	116.7	106.4	94.4
47.5°	280.6	278.1	273.0	266.3	273.0	278.1	280.6	275.0	265.6	251.6	241.2
45°	474.2	488.0	494.1	490.7	494.1	488.0	474.2	454.0	439.3	426.9	415.5
42.5°	770.0	782.1	783.2	765.2	783.2	782.1	770.0	751.3	696.3	627.1	578.6
40°	1523.7	1629.3	1665.5	1556.5	1665.5	1629.3	1523.7	1397.0	1221.9	1024.3	892.0
37.5°	2700.5	3115.4	3461.4	3474.8	3461.4	3115.4	2700.5	2352.8	2064.4	1778.7	1523.9
35°	4376.7	4803.5	5009.9	5001.1	5009.9	4803.5	4376.7	3748.7	3164.3	2765.4	2394.7
32.5°	6151.5	6474.8	6681.5	6631.7	6681.5	6474.8	6151.5	5510.2	4617.6	3884.8	3421.8
30°	8121.9	8421.8	8662.7	8659.1	8662.7	8421.8	8121.9	7579.6	6820.2	5900.7	4862.0
27.5°	11222.9	11841.1	12332.4	12249.1	12332.4	11841.1	11222.9	10284.0	9130.5	8137.7	7020.1
25°	16017.0	17147.8	17947.3	17782.8	17947.3	17147.8	16017.0	14603.4	12927.6	11433.6	9735.1
22.5°	23099.2	24549.8	25156.4	24675.3	25156.4	24549.8	23099.2	21368.1	19036.4	16415.4	14055.8
20°	34187.3	36876.8	38548.8	37551.8	38548.8	36876.8	34187.3	30870.1	27388.1	23258.8	19622.8
17.5°	51317.2	57151.8	61761.9	61634.8	61761.9	57151.8	51317.2	43937.1	38235.0	32068.9	26446.3
15°	71960.5	78601.4	83714.9	84306.2	83714.9	78601.4	71960.5	62365.9	51345.9	42281.4	34058.8
12.5°	90444.4	97198.2	102202.2	103642.1	102202.2	97198.2	90444.4	79385.4	66582.1	52910.3	41637.4
10°	103617.7	110357.6	115201.1	116909.0	115201.1	110357.6	103617.7	93902.0	79851.7	64013.5	48828.3
7.5°	113281.6	120593.8	124224.4	126080.1	124224.4	120593.8	113281.6	103307.6	90422.8	74178.1	57470.4
5°	120235.4	127031.1	130543.4	132792.1	130543.4	127031.1	120235.4	110361.5	98256.3	82345.6	64164.1
2.5°	124618.9	131034.7	135252.6	137269.6	135252.6	131034.7	124618.9	115469.5	103056.4	87375.8	68303.2
0°	126033.8	132193.0	136920.6	138728.6	136920.6	132193.0	126033.8	117344.1	104692.1	89421.9	70129.9
-2.5°	125375.6	131409.2	135179.7	135910.6	135179.7	131409.2	125375.6	117173.8	105250.0	89774.3	71081.8
-5°	121950.9	127511.8	130993.6	131565.7	130993.6	127511.8	121950.9	113877.6	102285.8	86411.2	68358.5
-7.5°	116046.8	121594.1	124471.9	125319.3	124471.9	121594.1	116046.8	107687.6	96465.7	80560.6	63242.0
-10°	107486.5	112845.7	115921.4	116650.9	115921.4	112845.7	107486.5	99184.9	86716.1	71845.6	55644.7
-12.5°	95805.6	101522.7	104965.2	105723.6	104965.2	101522.7	95805.6	86719.9	75032.1	60690.7	49111.8
-15°	80658.9	86539.8	90934.4	91997.6	90934.4	86539.8	80658.9	72202.3	60809.8	50910.2	42035.3
-17.5°	63199.4	69084.4	73033.3	73787.2	73033.3	69084.4	63199.4	55690.3	48997.2	41712.0	35306.0
-20°	48162.1	51947.0	54175.7	54563.8	54175.7	51947.0	48162.1	43839.9	39239.5	34039.9	29074.4



REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	37322.7	39866.6	41223.5	41415.0	41223.5	39866.6	37322.7	34524.3	31100.1	27335.8	23501.2
-25°	28921.5	30769.8	31780.5	31948.8	31780.5	30769.8	28921.5	26667.9	24154.6	21731.7	18972.3
-27.5°	22206.8	23355.0	24295.3	24099.5	24295.3	23355.0	22206.8	20680.6	18986.2	17523.0	15782.8
-30°	17571.9	18308.3	18863.7	18718.2	18863.7	18308.3	17571.9	16605.1	15428.5	14223.7	12853.4
-32.5°	14222.1	14799.1	15189.5	15293.6	15189.5	14799.1	14222.1	13390.3	12336.0	11216.3	10086.6
-35°	11054.1	11525.6	11796.1	11901.2	11796.1	11525.6	11054.1	10375.6	9511.0	8392.8	7444.0
-37.5°	8070.6	8484.1	8742.3	8832.0	8742.3	8484.1	8070.6	7504.0	6740.6	5802.7	5069.7
-40°	5371.2	5689.8	5901.3	5983.2	5901.3	5689.8	5371.2	4950.8	4401.8	3760.2	3263.0
-42.5°	3320.9	3470.1	3564.6	3594.2	3564.6	3470.1	3320.9	3125.2	2874.1	2547.1	2278.5
-45°	2362.2	2403.4	2427.0	2431.6	2427.0	2403.4	2362.2	2304.4	2229.5	2138.7	2038.9
-47.5°	2105.2	2137.7	2154.3	2155.0	2154.3	2137.7	2105.2	2055.4	1991.7	1915.5	1837.8
-50°	1886.3	1916.4	1931.6	1932.6	1931.6	1916.4	1886.3	1842.9	1790.1	1727.2	1664.6
-52.5°	1695.5	1719.5	1730.7	1730.9	1730.7	1719.5	1695.5	1661.2	1619.4	1566.4	1515.6
-55°	1537.1	1555.8	1562.7	1561.3	1562.7	1555.8	1537.1	1509.9	1476.7	1432.2	1389.3
-57.5°	1407.5	1425.7	1431.5	1429.6	1431.5	1425.7	1407.5	1383.7	1355.0	1317.0	1278.2
-60°	1280.4	1299.9	1307.3	1306.7	1307.3	1299.9	1280.4	1252.7	1217.3	1173.6	1125.7
-62.5°	1079.4	1094.4	1102.4	1104.9	1102.4	1094.4	1079.4	1055.6	1022.4	983.3	939.7
-65°	865.6	877.5	884.0	886.0	884.0	877.5	865.6	846.8	819.6	788.2	753.3
-67.5°	671.9	680.4	684.6	685.6	684.6	680.4	671.9	658.5	637.8	614.1	587.3
-70°	519.6	526.6	529.9	531.2	529.9	526.6	519.6	509.4	492.9	474.7	455.0
-72.5°	409.8	415.5	417.7	418.6	417.7	415.5	409.8	402.1	388.8	374.8	360.4
-75°	330.9	334.3	335.6	336.3	335.6	334.3	330.9	326.2	316.1	305.5	294.5
-77.5°	279.1	282.6	283.9	284.8	283.9	282.6	279.1	274.9	267.2	259.1	249.4
-80°	246.9	249.4	250.4	251.2	250.4	249.4	246.9	243.9	237.2	230.3	222.8
-82.5°	224.2	227.6	227.8	227.9	227.8	227.6	224.2	220.6	214.8	209.0	202.4
-85°	202.4	205.0	205.5	205.9	205.5	205.0	202.4	199.7	194.6	189.4	183.8
-87.5°	183.5	185.9	186.0	186.0	186.0	185.9	183.5	181.0	176.4	171.8	166.9
-90°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.4	1.4



REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	150.3	147.2	144.1	142.1	140.0	136.9	133.8	129.4	124.9	120.5	116.0
87.5°	2.1	2.0	2.0	2.1	2.1	2.4	2.6	2.6	2.7	2.7	2.7
85°	2.1	2.4	2.6	2.6	2.5	2.6	2.7	2.9	3.1	3.0	3.0
82.5°	2.6	2.6	2.7	2.7	2.7	2.9	3.0	3.2	3.4	3.5	3.5
80°	2.7	2.7	2.7	2.9	3.1	3.2	3.4	3.5	3.5	3.8	4.0
77.5°	2.7	2.7	2.8	3.1	3.4	3.5	3.5	3.8	4.0	4.0	4.1
75°	4.0	3.8	3.7	3.8	3.9	4.0	4.0	4.0	4.2	4.3	4.3
72.5°	7.3	7.1	6.8	6.4	6.1	6.2	6.2	5.8	5.5	5.1	4.7
70°	11.0	11.4	11.8	11.8	11.8	11.8	10.9	9.7	8.5	8.1	7.0
67.5°	14.7	15.1	16.1	17.6	17.4	17.2	16.5	15.5	13.8	12.3	10.1
65°	16.7	17.4	17.5	17.4	18.6	19.7	21.0	20.5	20.5	18.3	14.4
62.5°	14.3	15.8	15.2	14.9	16.6	19.9	25.0	27.3	28.6	26.6	21.7
60°	8.4	9.4	10.0	11.1	13.2	18.7	26.9	32.8	37.8	34.4	28.8
57.5°	4.1	4.9	6.3	8.3	10.5	17.8	27.2	35.2	41.0	38.8	35.1
55°	6.8	7.8	8.6	9.3	10.2	18.0	26.3	34.6	40.8	40.1	37.0
52.5°	21.1	24.6	24.5	20.0	20.7	25.2	27.2	35.9	41.6	42.3	39.8
50°	87.6	91.0	79.1	65.4	65.4	51.8	53.9	51.7	50.0	51.3	46.4
47.5°	233.0	221.4	195.3	174.5	156.2	135.8	125.9	102.0	97.0	74.8	71.0
45°	398.3	380.5	349.8	315.2	285.5	258.9	234.4	215.1	178.3	158.8	112.0
42.5°	553.7	525.5	489.7	452.2	416.7	377.3	348.0	325.4	300.4	262.8	221.8
40°	785.8	661.2	615.9	571.7	524.3	478.6	445.3	411.2	393.4	363.9	324.2
37.5°	1229.9	957.7	822.8	689.4	631.4	580.4	541.9	506.9	473.0	447.0	409.6
35°	1958.0	1567.7	1207.9	961.2	766.0	697.7	647.2	607.1	565.3	523.4	488.0
32.5°	2872.9	2388.7	1877.7	1435.1	1080.3	859.8	771.5	714.5	661.0	609.3	558.7
30°	3972.9	3365.9	2719.0	2121.9	1632.0	1208.5	931.8	835.8	763.5	698.4	632.0
27.5°	5869.3	4596.5	3812.6	3064.9	2444.1	1852.8	1318.3	970.8	874.8	795.2	716.3
25°	8467.7	7028.4	5611.8	4595.8	3763.5	2753.0	1895.3	1310.8	1008.9	897.0	803.1
22.5°	11720.7	9784.2	8009.9	6449.6	5234.4	3932.9	2711.6	1687.4	1153.3	1004.7	894.2
20°	15833.2	12667.8	10449.4	8451.1	6701.7	5053.5	3508.4	2258.8	1471.0	1119.7	982.8
17.5°	21264.5	16592.4	13179.4	10610.3	8386.5	6437.2	4569.4	2974.3	1768.5	1236.8	1069.9
15°	27004.7	21044.2	16405.6	12771.7	9925.6	7660.5	5648.3	3691.2	2183.6	1444.1	1167.1
12.5°	33146.0	25924.3	19721.0	14968.1	11381.6	8732.9	6532.6	4473.3	2743.8	1687.7	1249.7
10°	38315.3	30111.5	23108.5	17518.0	13273.3	9926.4	7288.0	5092.4	3191.5	1900.4	1322.3
7.5°	43741.8	33639.8	25690.8	19334.3	14732.0	11187.5	8066.2	5552.3	3534.8	2058.8	1378.3
5°	47442.6	35980.7	27443.5	20569.4	15652.4	12047.4	8800.2	5871.4	3752.3	2167.0	1425.2
2.5°	49762.5	37252.9	28391.0	21489.4	16137.1	12479.9	9375.1	6275.3	3936.3	2263.4	1472.1
0°	51092.5	38420.6	29176.8	22064.6	16406.1	12714.5	9673.4	6743.6	4060.2	2327.9	1509.9
-2.5°	52198.4	38631.9	28997.2	21620.6	16239.5	12601.2	9607.5	6922.0	4327.9	2393.3	1550.2
-5°	50997.6	38100.8	28354.1	21075.1	16011.0	12422.8	9468.6	6870.1	4401.6	2421.4	1578.8
-7.5°	48156.1	36518.0	27288.2	20277.1	15555.0	12124.2	9209.9	6575.7	4220.1	2434.1	1617.1
-10°	43863.7	33969.3	25492.0	19195.4	14900.7	11662.9	8829.3	6236.9	3975.1	2381.8	1641.7
-12.5°	39323.1	30793.2	23322.3	17683.4	13993.0	11010.3	8288.3	5771.4	3638.6	2262.7	1660.3
-15°	34441.7	27249.8	21128.5	16413.5	12931.5	10159.9	7599.9	5177.0	3203.7	2090.8	1663.5
-17.5°	29380.7	23691.7	18555.9	14742.7	11740.8	9159.8	6755.1	4578.9	2887.8	1962.3	1654.4
-20°	24284.3	20148.7	16439.1	13171.7	10379.5	7947.2	5747.6	3853.7	2564.7	1930.9	1650.4



REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19939.6	17161.9	14330.4	11490.5	9049.0	6731.2	4724.7	3131.7	2175.0	1862.9	1626.1
-25°	16760.7	14505.4	12192.5	9913.1	7623.2	5468.1	3696.8	2616.6	2044.0	1799.9	1581.3
-27.5°	13935.4	11985.5	10055.5	8069.3	6070.9	4261.4	2936.3	2156.9	1913.0	1716.0	1535.9
-30°	11292.8	9612.5	7912.0	6174.1	4601.6	3203.7	2309.3	2010.0	1803.5	1626.1	1464.6
-32.5°	8746.2	7341.7	5849.9	4478.8	3283.8	2453.1	2087.9	1868.9	1698.1	1541.6	1397.6
-35°	6331.6	5230.7	4043.4	3150.5	2404.0	2132.5	1931.4	1758.5	1599.8	1456.8	1329.2
-37.5°	4235.8	3443.1	2848.7	2305.8	2129.7	1958.0	1803.1	1650.3	1502.7	1380.3	1268.0
-40°	2832.9	2361.2	2228.5	2084.1	1950.2	1816.0	1678.9	1540.9	1420.4	1308.5	1209.7
-42.5°	2187.5	2092.6	2005.5	1904.6	1795.8	1679.6	1558.8	1445.8	1340.2	1245.1	1156.8
-45°	1962.8	1889.6	1819.9	1743.0	1651.0	1553.7	1451.0	1357.1	1267.0	1184.8	1104.1
-47.5°	1772.1	1713.8	1654.3	1595.3	1520.3	1440.6	1359.5	1276.6	1200.8	1120.8	1006.2
-50°	1606.2	1559.8	1509.5	1460.4	1407.3	1346.8	1276.6	1205.9	1119.5	1011.1	903.7
-52.5°	1469.0	1429.1	1388.0	1350.7	1310.2	1259.7	1197.2	1100.5	1000.9	897.5	796.6
-55°	1351.6	1317.8	1283.9	1254.6	1216.6	1143.2	1063.8	970.6	873.6	778.2	691.6
-57.5°	1248.6	1211.4	1161.8	1113.2	1063.9	994.8	916.4	829.0	745.9	666.0	587.5
-60°	1087.2	1045.4	995.7	944.9	895.1	834.1	768.3	697.5	623.7	558.0	492.7
-62.5°	901.8	861.9	818.7	775.4	735.1	688.0	630.5	573.9	514.1	455.9	408.8
-65°	721.8	690.2	654.4	620.0	588.3	553.5	505.3	462.2	419.7	376.2	335.3
-67.5°	562.3	537.5	509.7	482.4	462.2	440.5	408.5	373.4	342.5	314.4	288.3
-70°	436.7	420.5	402.7	383.3	367.8	354.4	334.5	311.0	286.7	264.9	244.8
-72.5°	347.3	337.0	325.7	313.4	301.0	290.9	277.3	260.1	242.1	222.8	207.0
-75°	283.9	276.3	268.1	259.6	250.8	241.2	232.3	222.0	211.0	199.2	188.3
-77.5°	240.5	235.2	229.9	225.3	220.4	215.0	208.4	199.3	190.6	181.5	173.0
-80°	215.5	211.1	206.8	203.3	199.5	195.1	189.9	182.3	174.6	166.8	159.4
-82.5°	196.0	192.4	188.6	185.3	181.8	177.7	173.3	166.8	160.3	153.4	146.6
-85°	178.3	174.9	171.4	168.4	165.3	161.6	157.8	152.2	146.5	140.4	134.2
-87.5°	161.9	158.6	155.3	153.0	150.7	147.3	143.9	139.1	134.3	129.0	123.7
-90°	1.4	1.4	1.4	1.8	2.1	2.1	2.1	2.4	2.7	2.7	2.7



REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	111.9	107.7	103.6	99.5	96.1	92.7	88.9	85.1	80.0	74.8	66.9
87.5°	2.9	3.2	3.5	3.8	3.8	3.8	4.1	4.4	4.4	4.3	4.7
85°	3.3	3.6	3.8	4.1	4.1	4.1	4.4	4.7	4.6	4.6	4.9
82.5°	3.8	4.1	4.0	4.1	4.3	4.5	4.7	5.0	5.0	4.9	5.1
80°	4.0	4.1	4.3	4.3	4.5	4.8	5.1	5.3	5.4	5.3	5.5
77.5°	4.1	4.2	4.5	4.7	4.7	4.9	5.2	5.6	5.8	5.8	5.9
75°	4.1	4.2	4.6	4.9	4.9	4.9	5.3	5.7	6.1	6.3	6.3
72.5°	4.6	4.6	4.8	5.0	5.2	5.4	5.5	5.8	6.3	6.6	6.7
70°	5.8	5.2	5.3	5.5	5.7	5.9	6.1	6.3	6.6	6.9	7.1
67.5°	7.6	6.8	6.2	6.2	6.4	6.6	6.8	7.0	7.1	7.3	7.5
65°	11.9	9.6	7.5	7.5	7.4	7.4	7.5	7.8	7.7	8.1	7.9
62.5°	17.2	13.8	11.5	9.6	9.0	9.4	8.3	9.3	8.5	9.0	8.8
60°	23.3	18.5	16.1	14.2	12.7	12.4	11.9	11.0	10.8	10.1	10.0
57.5°	28.5	22.8	21.4	19.2	18.3	17.1	16.4	15.0	13.5	12.6	11.3
55°	32.5	27.7	27.1	25.3	24.9	23.1	22.0	20.1	17.0	15.6	12.8
52.5°	34.8	34.1	33.5	33.4	33.0	30.3	29.1	25.7	23.0	18.9	15.8
50°	40.6	42.8	42.0	44.0	42.4	41.0	36.8	33.2	29.4	23.1	19.2
47.5°	59.9	61.6	56.9	58.3	55.5	53.4	48.1	41.8	36.2	29.4	22.6
45°	110.5	92.6	87.1	80.5	74.0	71.1	61.7	51.0	44.6	36.1	26.2
42.5°	180.9	156.0	139.1	107.2	104.8	92.8	78.1	65.8	53.4	43.1	31.3
40°	276.7	243.6	207.0	173.2	143.3	117.7	102.4	82.8	62.7	50.7	37.6
37.5°	368.6	331.0	293.7	248.0	194.0	159.1	130.1	101.3	74.7	59.5	43.9
35°	444.6	407.8	372.8	323.7	267.5	202.7	160.4	123.7	91.8	68.7	50.4
32.5°	513.0	470.6	429.1	389.2	328.6	247.3	197.3	149.3	109.4	78.2	56.8
30°	578.4	526.9	478.5	439.9	376.9	297.4	233.7	173.7	127.3	88.0	63.5
27.5°	646.3	583.4	526.2	481.2	416.1	340.5	262.4	196.9	145.4	98.8	70.7
25°	719.1	645.2	581.8	524.6	455.6	372.6	288.0	218.8	164.3	111.2	77.6
22.5°	796.1	707.0	635.3	571.1	499.2	403.8	313.0	241.3	179.0	122.9	84.1
20°	869.0	764.6	684.2	609.8	541.0	439.1	338.7	259.5	192.7	133.7	90.3
17.5°	941.5	820.1	722.2	643.7	576.5	475.5	365.0	276.5	205.4	143.6	96.1
15°	1009.8	874.3	760.2	673.7	605.0	509.9	390.7	292.5	217.0	152.7	101.9
12.5°	1073.2	925.3	797.8	699.5	626.1	540.8	415.3	307.3	227.5	161.8	107.8
10°	1130.0	973.2	834.5	724.2	644.6	568.1	438.4	323.6	241.2	170.8	113.4
7.5°	1176.8	1017.0	868.3	747.6	661.2	591.5	463.5	344.5	254.6	178.9	118.5
5°	1216.8	1056.5	902.0	775.0	680.5	610.6	486.2	364.3	267.0	186.1	123.2
2.5°	1253.0	1091.2	933.5	801.0	698.3	625.8	506.0	382.4	278.3	192.4	127.4
0°	1282.7	1120.0	960.8	824.2	714.4	637.6	523.0	398.7	288.2	197.7	131.1
-2.5°	1309.5	1140.5	983.3	848.6	741.2	655.3	533.4	406.9	296.3	204.6	135.6
-5°	1329.2	1155.4	1001.5	869.9	765.3	669.5	540.8	412.8	302.8	210.4	139.5
-7.5°	1360.1	1172.8	1017.8	888.6	785.9	679.9	545.1	416.6	307.5	214.9	142.9
-10°	1384.2	1188.8	1032.9	904.0	799.3	688.6	547.4	418.2	310.5	218.0	145.6
-12.5°	1403.0	1200.2	1043.0	915.4	810.0	696.0	553.2	420.0	311.7	219.6	147.6
-15°	1417.2	1217.0	1053.5	923.2	819.0	699.9	554.7	420.0	310.3	219.4	148.9
-17.5°	1421.7	1223.5	1058.7	929.4	825.2	700.1	551.6	416.4	306.9	217.2	149.7
-20°	1424.0	1226.1	1056.7	930.0	827.1	691.9	543.6	409.3	301.3	213.8	150.2



REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1417.4	1227.2	1063.7	929.0	820.5	679.0	530.6	398.6	293.6	209.0	149.9
-25°	1389.7	1221.6	1065.0	932.3	803.1	660.6	516.6	387.5	283.8	203.0	149.1
-27.5°	1356.3	1200.2	1058.5	928.1	785.3	639.2	501.5	378.0	275.3	195.6	147.5
-30°	1319.5	1175.5	1043.1	913.1	761.4	615.9	483.2	365.5	267.4	191.2	145.4
-32.5°	1267.3	1146.8	1022.8	881.6	731.7	588.5	461.4	349.8	257.5	188.7	143.5
-35°	1216.5	1111.8	997.9	843.3	696.9	560.7	437.5	331.0	245.5	185.1	141.3
-37.5°	1162.8	1068.5	949.2	798.9	656.2	528.7	413.4	313.0	231.5	180.4	138.4
-40°	1114.3	1010.7	881.8	748.5	613.7	491.8	386.0	295.5	222.5	174.7	134.8
-42.5°	1063.0	933.3	810.4	689.4	567.1	455.8	356.5	275.9	215.0	169.1	130.4
-45°	978.9	853.6	734.6	625.5	516.8	416.1	331.9	255.9	206.2	163.2	126.7
-47.5°	890.0	771.4	659.2	558.5	467.9	375.9	303.3	244.2	196.0	156.4	124.5
-50°	797.4	688.8	585.2	495.5	412.1	341.8	276.1	231.0	186.9	148.5	121.8
-52.5°	701.9	606.7	515.1	432.1	366.3	305.3	257.3	215.7	176.7	143.4	118.8
-55°	606.8	527.5	445.9	377.6	321.7	278.2	237.1	201.0	165.4	139.0	115.6
-57.5°	517.8	448.3	386.0	328.6	286.0	251.9	217.9	185.3	158.2	134.2	113.7
-60°	432.1	381.7	329.2	289.6	255.7	226.7	198.8	171.3	151.8	129.3	111.3
-62.5°	361.8	320.2	289.2	256.1	227.4	203.3	180.5	162.4	144.5	125.9	108.6
-65°	306.5	279.5	252.0	226.3	201.4	182.4	169.8	153.2	138.5	122.0	105.5
-67.5°	263.0	241.2	219.8	197.2	181.9	170.1	158.4	145.9	132.9	117.8	102.0
-70°	224.7	205.3	192.3	180.5	168.5	158.0	149.9	139.3	127.0	113.4	98.4
-72.5°	196.1	185.9	176.0	165.7	157.2	149.4	141.8	132.4	121.1	108.8	94.4
-75°	178.5	170.5	163.0	155.2	147.8	140.7	133.6	125.4	114.9	103.8	90.4
-77.5°	166.0	159.1	151.8	144.8	138.4	131.8	125.3	118.1	108.6	98.7	86.1
-80°	153.5	147.5	141.1	135.0	129.0	122.9	117.1	110.7	102.2	93.3	81.7
-82.5°	141.1	135.7	130.4	125.1	119.8	114.6	109.1	103.3	95.6	87.7	77.5
-85°	129.5	124.8	120.0	115.1	110.7	106.2	101.4	96.5	90.0	83.4	74.1
-87.5°	119.7	115.6	111.3	107.0	103.3	99.5	95.2	90.8	85.0	79.2	70.6
-90°	2.7	2.7	3.1	3.4	3.4	3.4	3.8	4.1	4.1	4.1	4.5



REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	59.0	49.0	39.1	28.1	17.2	11.7	6.2
87.5°	5.0	5.0	5.0	5.0	4.9	5.6	6.2
85°	5.2	5.3	5.3	5.2	5.1	5.7	6.2
82.5°	5.4	5.5	5.5	5.3	5.2	5.9	6.2
80°	5.6	5.7	5.8	5.5	5.3	6.0	6.2
77.5°	5.9	6.0	6.0	5.7	5.5	6.1	6.2
75°	6.3	6.3	6.2	5.9	5.6	6.2	6.2
72.5°	6.7	6.6	6.5	6.1	5.8	6.4	6.2
70°	7.1	6.9	6.7	6.2	6.0	6.5	6.2
67.5°	7.5	7.2	7.0	6.5	6.1	6.6	6.2
65°	8.0	7.6	7.3	6.8	6.3	6.8	6.2
62.5°	8.6	8.2	7.6	7.1	6.5	6.9	6.2
60°	9.2	8.9	7.9	7.3	6.7	7.1	6.2
57.5°	10.5	9.6	8.6	7.6	7.1	7.2	6.2
55°	12.0	10.3	9.3	7.9	7.5	7.3	6.2
52.5°	13.5	11.2	10.2	8.2	7.9	7.5	6.2
50°	15.1	12.8	11.0	8.5	8.4	7.6	6.2
47.5°	16.9	14.4	11.9	8.9	8.9	7.8	6.2
45°	20.0	16.1	12.8	9.6	9.3	7.9	6.2
42.5°	23.2	17.8	13.8	10.3	9.9	8.1	6.2
40°	26.6	19.7	15.0	11.3	10.4	8.2	6.2
37.5°	30.1	21.6	16.4	12.5	11.0	8.4	6.2
35°	33.7	24.1	17.9	13.8	11.5	8.5	6.2
32.5°	37.7	26.9	19.3	15.0	12.1	8.7	6.2
30°	42.9	29.7	20.8	16.2	12.7	8.8	6.2
27.5°	48.0	32.4	22.8	17.5	13.4	9.0	6.2
25°	53.0	35.0	24.8	18.7	14.0	9.1	6.2
22.5°	57.7	37.8	26.8	20.0	14.6	9.2	6.2
20°	62.3	40.9	28.7	21.2	15.3	9.4	6.2
17.5°	67.0	44.0	30.6	22.4	15.9	9.5	6.2
15°	71.7	46.9	32.4	23.7	16.5	9.6	6.2
12.5°	76.1	49.8	34.2	24.8	17.1	9.8	6.2
10°	80.2	52.5	35.9	26.0	17.7	9.9	6.2
7.5°	84.0	55.0	37.5	27.1	18.3	10.0	6.2
5°	87.4	57.5	39.1	28.2	18.9	10.1	6.2
2.5°	90.5	59.7	40.5	29.2	19.4	10.2	6.2
0°	93.3	61.8	41.9	30.2	19.9	10.3	6.2
-2.5°	96.5	64.3	43.8	31.5	20.7	10.7	6.2
-5°	99.3	66.6	45.7	32.7	21.4	11.0	6.2
-7.5°	101.8	68.6	47.4	33.8	22.1	11.4	6.2
-10°	103.8	70.5	49.1	34.9	22.7	11.7	6.2
-12.5°	105.4	72.2	50.5	35.9	23.3	12.0	6.2
-15°	106.5	73.6	51.9	36.8	23.9	12.4	6.2
-17.5°	107.2	74.8	53.1	37.7	24.4	12.7	6.2
-20°	107.7	75.7	54.2	38.4	24.8	12.9	6.2



REPORT NUMBER: P1305464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-40-70-4S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	108.3	76.5	55.1	39.0	25.2	13.2	6.2
-25°	108.3	77.4	55.9	39.6	25.6	13.4	6.2
-27.5°	107.9	78.2	56.5	40.0	25.9	13.6	6.2
-30°	106.9	78.7	56.9	40.4	26.2	13.8	6.2
-32.5°	105.5	79.0	57.7	40.6	26.4	14.0	6.2
-35°	104.9	79.0	58.3	40.8	26.5	14.2	6.2
-37.5°	104.6	79.0	58.7	40.8	26.6	14.3	6.2
-40°	104.0	79.3	59.0	40.8	26.7	14.4	6.2
-42.5°	102.9	79.5	59.2	40.7	26.7	14.5	6.2
-45°	101.3	79.4	59.3	40.8	26.6	14.5	6.2
-47.5°	99.4	79.1	59.2	40.8	26.5	14.6	6.2
-50°	98.4	78.6	59.0	40.8	26.4	14.6	6.2
-52.5°	97.4	77.9	58.6	40.7	26.1	14.6	6.2
-55°	96.0	76.9	58.0	40.5	25.9	14.5	6.2
-57.5°	94.5	75.7	57.2	40.3	25.6	14.4	6.2
-60°	92.7	74.4	56.3	39.9	25.2	14.4	6.2
-62.5°	90.6	72.8	55.6	39.4	24.8	14.2	6.2
-65°	88.3	71.0	54.7	38.8	24.4	14.1	6.2
-67.5°	85.7	69.1	53.6	38.1	23.9	13.9	6.2
-70°	82.9	67.3	52.4	37.3	23.3	13.8	6.2
-72.5°	80.1	65.2	51.1	36.5	22.7	13.6	6.2
-75°	77.0	63.0	49.6	35.5	22.0	13.3	6.2
-77.5°	73.8	60.6	48.1	34.5	21.3	13.1	6.2
-80°	70.3	58.4	46.5	33.4	20.6	12.9	6.2
-82.5°	67.6	56.2	44.8	32.2	19.8	12.6	6.2
-85°	64.8	53.9	43.0	30.9	18.9	12.3	6.2
-87.5°	62.0	51.5	41.1	29.6	18.1	12.0	6.2
-90°	4.8	4.8	4.8	4.8	4.8	5.5	6.2

(END OF REPORT)