

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: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-80-5S-VHE-A**

Issue Date: 2/3/2026

Test Information

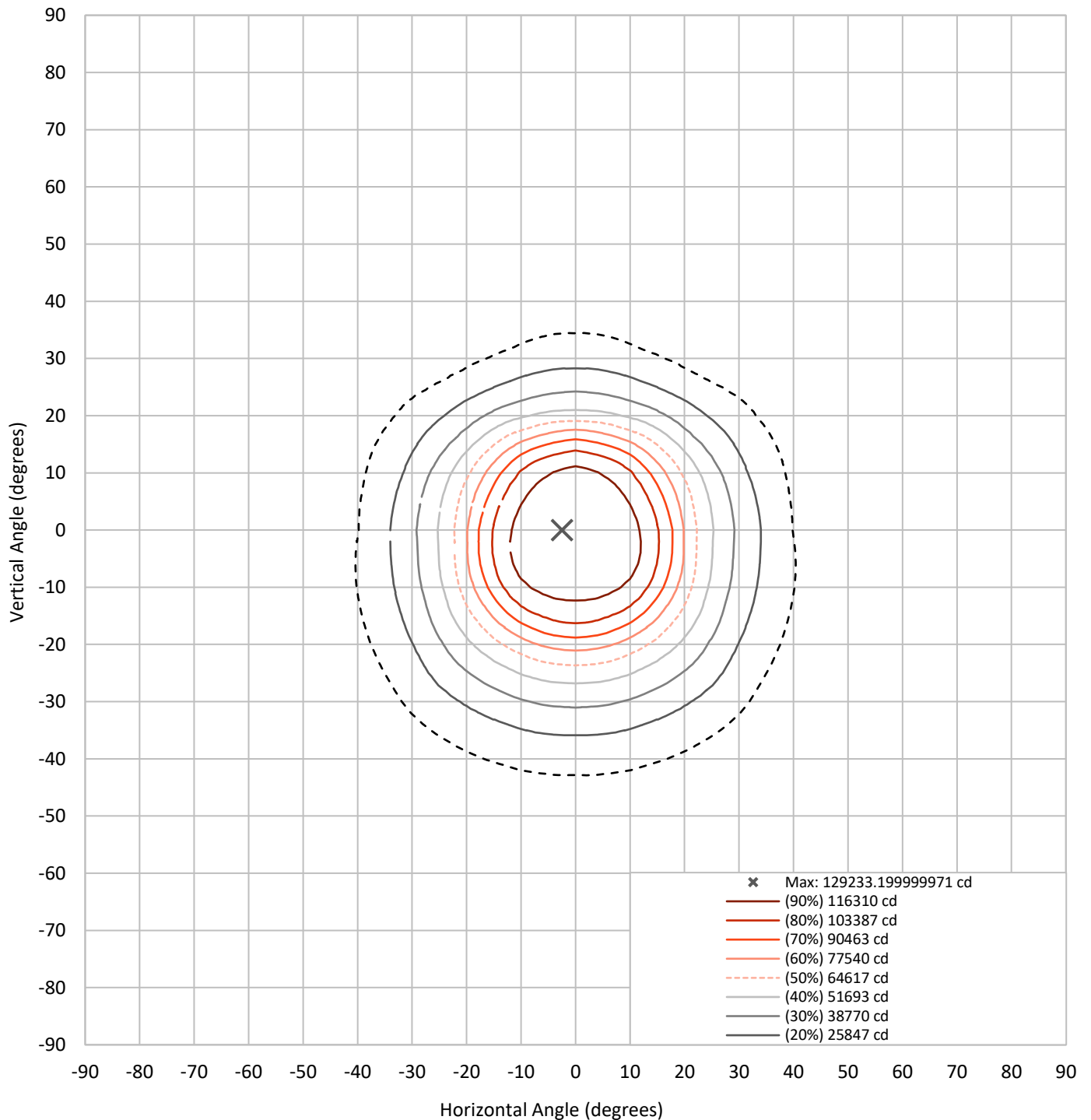
Test Method: LM-79-08
Report Number: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-5)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-640L-40-80-5S-VHE-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	84148.3 lumens	Max Intensity:	129233.2 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	129.9 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:	46205.4 lumens	Field Lumens:	77322 lumens
Beam Efficiency:	54.9%	Field Efficiency:	91.9%
Input Watts (W):	648		
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: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

Iso-Candela Plot





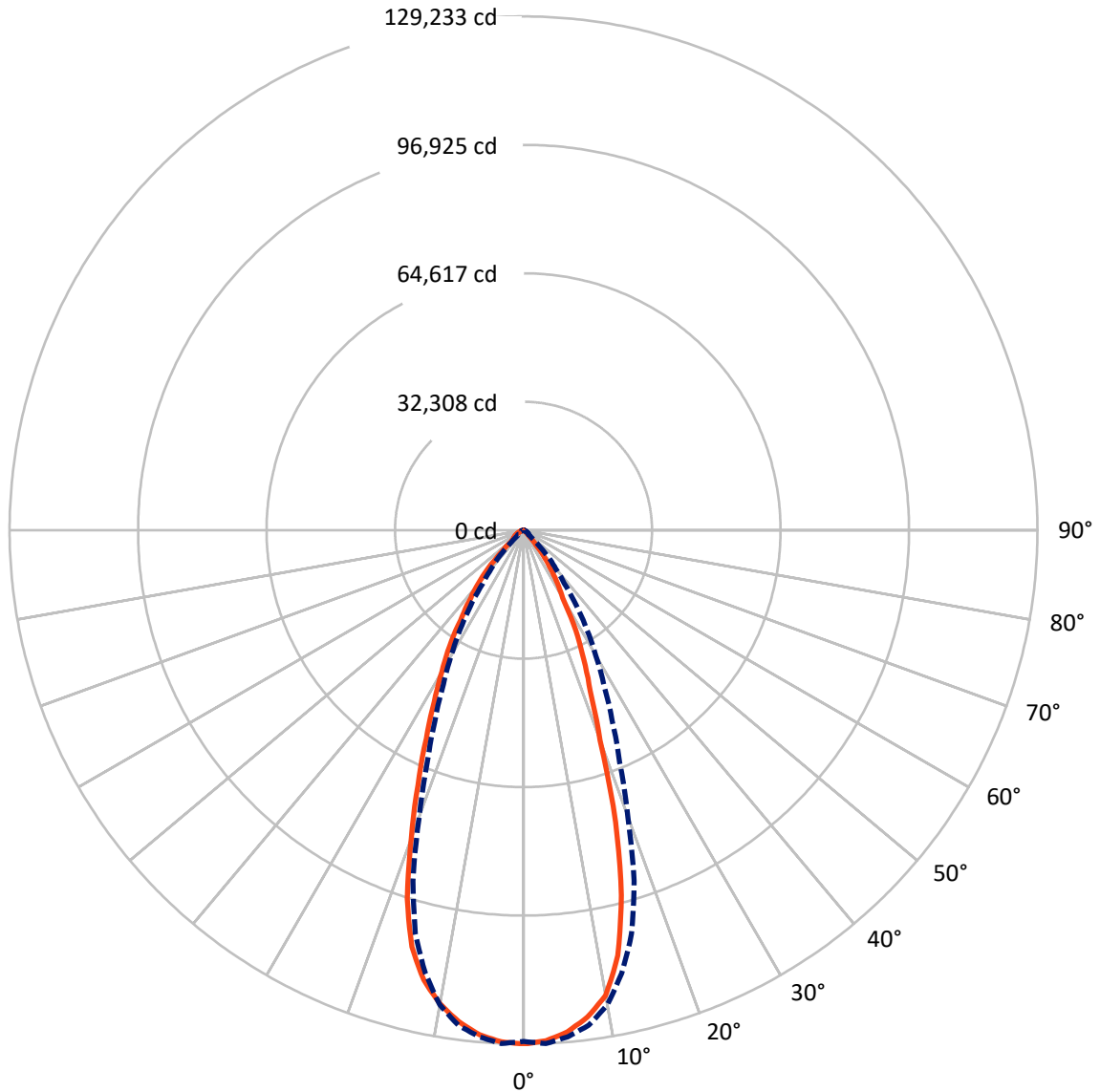
REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

Lumen Table

90	0.3	1.2	2.1	2.9	3.3	2.9	2.1	1.2	0.3										
80	0.3	1.2	2.1	2.9	3.3	2.9	2.1	1.2	0.3										
70	0.4	0.2	0.3	0.5	0.7	0.6	0.7	0.9	0.9	0.7	0.6	0.7	0.5	0.3	0.2	0.4			
60		0.4	0.7	1.2	1.2	0.9	1.1	1.2	1.2	1.1	0.9	1.2	1.2	0.7	0.4				
50	1.0	1.1	2.5	5.1	9.0	18.5	40.8	55.1	55.1	40.8	18.5	9.0	5.1	2.5	1.1	1.0			
40		2.5	8.3	17.1	43.3	128.4	237.9	350.5	350.5	237.9	128.4	43.3	17.1	8.3	2.5				
30	2.1	4.4	14.5	37.0	178.2	421.1	774.2	1062.9	1062.9	774.2	421.1	178.2	37.0	14.5	4.4	2.1			
20		6.0	19.4	83.8	389.1	961.8	1871.4	2674.5	2674.5	1871.4	961.8	389.1	83.8	19.4	6.0				
10	3.0	7.4	22.9	127.1	547.8	1396.7	2802.0	3717.0	3717.0	2802.0	1396.7	547.8	127.1	22.9	7.4	3.0			
0		8.3	25.5	135.5	590.2	1464.6	2972.6	3775.1	3775.1	2972.6	1464.6	590.2	135.5	25.5	8.3				
-10	3.6	8.5	26.8	111.7	502.5	1224.0	2305.8	3113.4	3113.4	2305.8	1224.0	502.5	111.7	26.8	8.5	3.6			
-20		8.1	26.8	69.4	325.9	810.4	1347.7	1747.0	1747.0	1347.7	810.4	325.9	69.4	26.8	8.1				
-30	3.7	7.3	23.5	50.0	132.6	394.2	663.4	842.8	842.8	663.4	394.2	132.6	50.0	23.5	7.3	3.7			
-40		6.1	17.4	37.8	64.0	104.6	195.7	274.4	274.4	195.7	104.6	64.0	37.8	17.4	6.1				
-50	3.3	5.0	11.5	23.7	41.9	58.7	72.2	82.6	82.6	72.2	58.7	41.9	23.7	11.5	5.0	3.3			
-60		4.0	7.7	13.4	21.7	29.7	37.8	43.5	43.5	37.8	29.7	21.7	13.4	7.7	4.0				
-70																			
-80	2.4	14.7	32.6	51.1	62.7	51.1	32.6	14.7	2.4										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

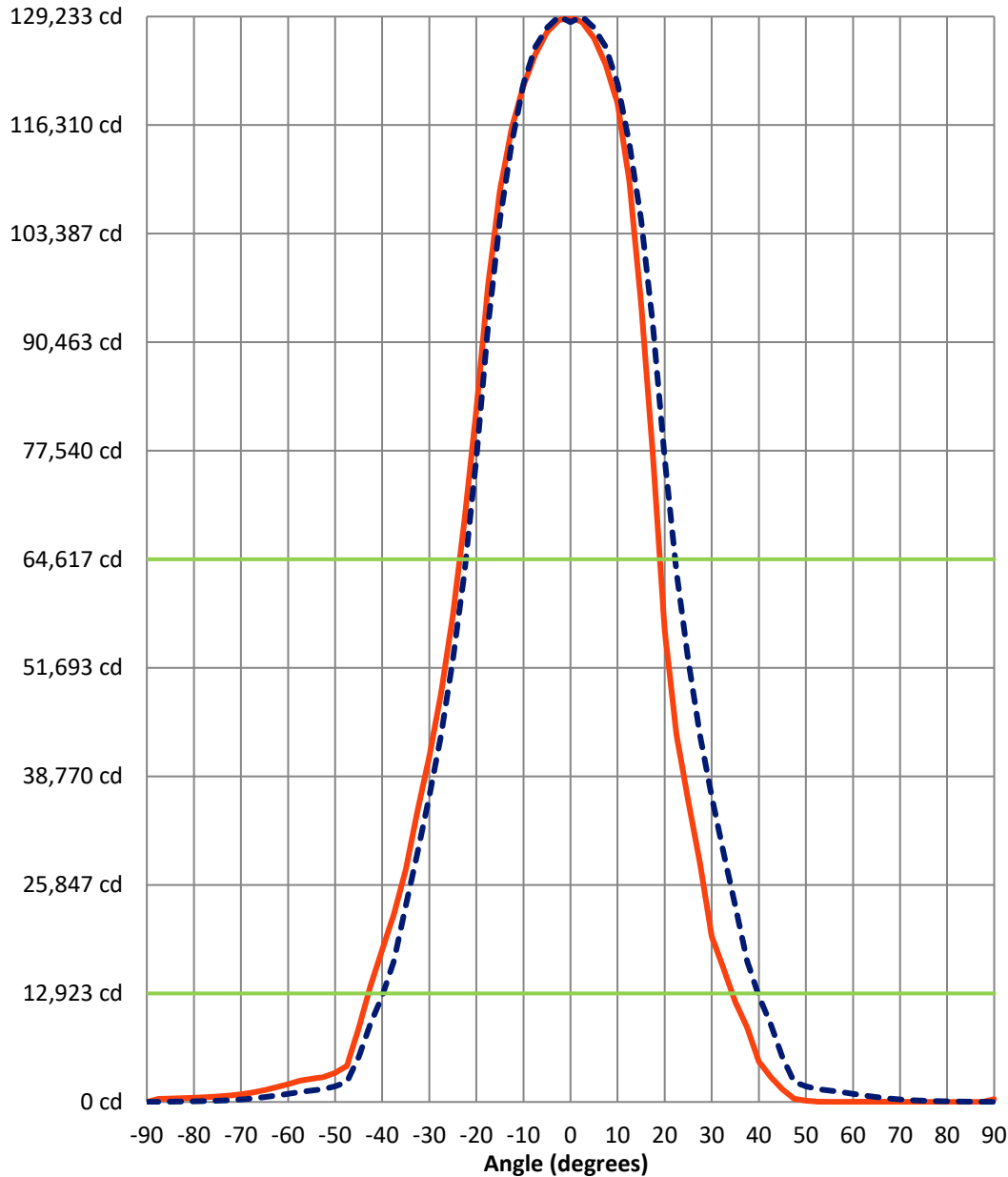
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

Luminous Intensity Plot



Beam:
 H Angle: 44.5°
 V Angle: 42.5°
 Lumens: 46205.4
 Efficiency: 54.9%

Field:
 H Angle: 79.6°
 V Angle: 77.3°
 Lumens: 77322
 Efficiency: 91.9%

Spill:
 Lumens: 6826.3
 Efficiency: 8.1%

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



REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	11.2	21.8	32.5	53.8	75.2	95.0	114.8	131.1	147.3	159.0	170.6
87.5°	11.2	10.4	9.4	9.4	9.5	9.6	9.6	9.2	8.8	8.7	8.5
85°	11.2	10.6	9.7	9.8	9.8	10.0	10.2	9.9	9.5	9.3	9.0
82.5°	11.2	10.8	9.9	10.1	10.2	10.5	10.7	10.5	10.3	9.9	9.4
80°	11.2	11.1	10.2	10.5	10.6	10.9	11.3	11.1	11.0	10.6	10.0
77.5°	11.2	11.3	10.5	10.8	10.9	11.4	11.8	11.8	11.7	11.2	10.5
75°	11.2	11.5	10.8	11.2	11.4	12.1	12.4	12.4	12.4	11.8	11.0
72.5°	11.2	11.8	11.2	11.5	12.1	12.8	13.0	13.0	12.9	12.2	11.5
70°	11.2	12.0	11.5	11.9	12.8	13.5	13.6	13.8	13.4	12.7	12.5
67.5°	11.2	12.2	11.9	12.5	13.5	14.2	14.5	14.6	14.1	13.9	13.6
65°	11.2	12.5	12.2	13.1	14.3	15.0	15.4	15.4	15.5	15.1	15.1
62.5°	11.2	12.7	12.6	13.7	15.0	15.9	16.4	16.8	16.9	16.7	17.5
60°	11.2	13.0	13.0	14.3	15.7	16.7	17.3	18.3	18.5	20.1	20.4
57.5°	11.2	13.2	13.7	14.9	16.7	17.6	19.2	20.0	22.8	24.4	26.0
55°	11.2	13.5	14.4	15.4	17.8	18.5	21.5	22.2	28.3	30.3	33.5
52.5°	11.2	13.7	15.1	16.0	19.0	19.7	23.9	27.9	34.4	39.4	41.9
50°	11.2	14.0	15.9	16.6	20.3	22.5	26.6	34.2	41.8	49.1	54.1
47.5°	11.2	14.2	16.7	17.3	21.7	25.5	29.8	40.5	51.3	59.5	67.7
45°	11.2	14.5	17.5	18.4	23.1	28.6	35.4	47.0	61.0	72.6	82.2
42.5°	11.2	14.7	18.4	19.6	24.6	31.8	41.0	54.9	71.0	86.4	104.0
40°	11.2	15.0	19.4	21.3	26.8	35.2	47.0	63.9	82.1	100.6	128.3
37.5°	11.2	15.2	20.3	23.3	29.4	38.7	53.5	73.0	95.0	117.7	153.9
35°	11.2	15.5	21.3	25.3	32.2	43.4	60.0	82.2	108.2	140.8	183.6
32.5°	11.2	15.7	22.3	27.5	34.9	48.6	67.0	91.9	121.8	164.5	217.2
30°	11.2	16.0	23.4	29.6	37.6	53.7	75.2	102.2	135.7	188.5	250.3
27.5°	11.2	16.2	24.5	31.8	41.3	58.8	83.2	113.4	151.3	212.7	282.7
25°	11.2	16.4	25.5	34.0	45.1	63.8	91.0	124.2	169.2	238.7	314.5
22.5°	11.2	16.6	26.6	36.2	48.8	68.9	98.5	134.5	186.2	261.2	348.1
20°	11.2	16.9	27.7	38.4	52.4	74.4	105.9	144.3	202.1	282.4	376.1
17.5°	11.2	17.1	28.8	40.7	56.0	79.7	113.2	153.6	217.0	302.3	402.7
15°	11.2	17.3	29.8	42.8	59.4	84.8	120.2	162.6	230.7	320.9	427.8
12.5°	11.2	17.5	30.9	45.0	62.7	89.6	126.9	171.5	244.5	338.0	451.4
10°	11.2	17.7	31.9	47.1	65.9	94.2	133.1	179.9	258.2	358.2	476.3
7.5°	11.2	17.8	32.9	49.1	68.9	98.5	138.9	187.7	270.9	377.8	506.1
5°	11.2	18.0	33.8	51.1	71.8	102.5	144.2	194.9	282.5	395.9	534.1
2.5°	11.2	18.2	34.7	53.0	74.6	106.3	149.1	201.4	292.7	412.2	559.8
0°	11.2	18.3	35.5	54.8	77.2	109.7	153.4	207.2	301.6	426.5	582.9
-2.5°	11.2	19.0	37.0	57.2	80.8	114.7	159.9	215.6	311.9	438.6	594.8
-5°	11.2	19.7	38.5	59.5	84.2	119.4	165.9	223.2	320.7	448.4	603.6
-7.5°	11.2	20.4	39.9	61.7	87.4	123.7	171.3	230.0	327.8	455.8	609.3
-10°	11.2	21.0	41.2	63.7	90.3	127.6	176.1	235.9	333.3	460.8	612.1
-12.5°	11.2	21.6	42.4	65.6	93.1	131.1	180.3	240.9	337.0	463.4	616.4
-15°	11.2	22.2	43.5	67.4	95.6	134.2	183.8	244.9	339.0	464.2	618.6
-17.5°	11.2	22.8	44.5	69.0	97.8	136.8	186.7	248.3	339.5	462.2	616.0
-20°	11.2	23.3	45.5	70.5	99.8	138.9	189.3	251.3	338.2	457.5	608.4



REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	11.2	23.8	46.3	71.8	101.5	140.5	191.9	253.3	335.2	449.9	596.2
-25°	11.2	24.3	47.1	72.9	102.9	142.5	193.8	254.4	330.5	439.5	585.6
-27.5°	11.2	24.7	47.8	73.9	104.0	144.4	194.9	254.6	324.0	432.5	577.7
-30°	11.2	25.1	48.3	74.7	105.0	145.8	195.3	253.8	321.2	426.9	565.5
-32.5°	11.2	25.5	48.7	75.4	106.7	146.7	194.9	253.2	321.0	418.3	548.7
-35°	11.2	25.8	49.1	75.8	108.2	147.2	194.9	252.3	319.2	406.8	527.1
-37.5°	11.2	26.0	49.3	76.1	109.4	147.6	194.9	250.8	315.7	392.4	507.6
-40°	11.2	26.2	49.4	76.2	110.3	148.8	194.3	248.2	310.8	383.6	488.7
-42.5°	11.2	26.4	49.4	76.4	111.1	149.5	193.2	244.5	305.8	376.4	466.5
-45°	11.2	26.6	49.3	76.8	111.7	149.9	191.5	241.0	300.4	367.1	443.3
-47.5°	11.2	26.6	49.1	77.0	111.9	149.9	189.2	238.1	293.7	355.9	430.3
-50°	11.2	26.7	48.8	77.1	111.8	149.5	188.3	234.4	285.1	345.7	414.9
-52.5°	11.2	26.7	48.4	77.0	111.3	148.8	187.3	229.9	277.9	333.7	396.4
-55°	11.2	26.6	47.8	76.6	110.4	147.4	185.7	224.9	270.8	319.8	377.7
-57.5°	11.2	26.5	47.2	76.0	109.2	145.6	183.7	222.4	262.7	308.9	357.4
-60°	11.2	26.4	46.4	75.2	107.6	143.4	181.1	218.8	254.6	298.2	338.0
-62.5°	11.2	26.2	45.8	74.3	106.1	140.8	177.7	214.5	249.3	285.8	322.5
-65°	11.2	26.0	45.1	73.1	104.2	137.8	173.8	209.5	243.4	276.2	306.1
-67.5°	11.2	25.7	44.2	71.7	102.1	134.5	169.4	203.5	236.8	267.0	293.3
-70°	11.2	25.4	43.3	70.1	99.7	130.8	164.6	196.9	228.8	257.3	281.8
-72.5°	11.2	25.1	42.2	68.5	97.1	126.8	158.8	189.8	220.2	246.2	269.6
-75°	11.2	24.7	41.0	66.9	94.2	122.3	152.4	181.5	211.0	234.7	256.7
-77.5°	11.2	24.3	39.8	65.1	91.4	117.5	145.6	172.5	200.0	222.4	243.4
-80°	11.2	23.9	38.5	63.1	88.6	113.1	138.2	163.1	188.5	208.3	227.8
-82.5°	11.2	23.4	37.1	61.0	85.5	108.9	132.6	154.2	176.4	193.9	211.2
-85°	11.2	22.9	35.6	58.8	82.3	104.5	126.9	146.7	166.9	181.5	195.9
-87.5°	11.2	22.4	34.1	56.4	78.8	99.8	121.0	139.0	157.2	170.3	183.4
-90°	11.2	10.2	9.1	9.1	9.1	9.1	9.1	8.6	8.1	8.1	8.1



REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	177.7	184.8	191.4	198.0	206.2	214.3	223.0	231.6	240.7	249.8	258.5
87.5°	8.1	7.6	7.6	7.7	7.2	6.7	6.4	6.1	5.6	5.1	5.0
85°	8.5	8.1	8.2	8.1	7.7	7.4	7.0	6.5	6.1	5.7	5.7
82.5°	9.2	9.2	8.8	8.2	8.0	8.0	7.6	7.1	6.7	6.4	6.3
80°	10.0	10.2	9.4	8.5	8.3	8.1	7.7	7.2	7.1	7.1	6.8
77.5°	10.4	10.3	9.7	9.1	8.7	8.4	8.1	7.8	7.5	7.2	7.1
75°	10.7	10.4	10.0	9.4	9.0	9.0	8.8	8.5	8.3	8.3	8.4
72.5°	11.3	11.0	10.5	9.6	9.3	9.6	9.6	9.3	9.6	10.0	10.0
70°	12.1	11.7	11.1	10.4	10.0	10.4	10.8	11.5	12.3	12.5	13.5
67.5°	13.1	12.7	11.8	11.2	11.0	11.6	12.2	14.7	17.1	18.4	19.8
65°	14.5	13.9	12.9	12.8	12.2	14.7	16.8	19.4	24.2	26.6	26.4
62.5°	16.3	16.5	15.3	15.6	17.7	19.8	23.5	29.1	34.7	36.9	35.0
60°	20.7	20.1	20.2	21.6	23.8	26.5	32.2	39.0	45.6	49.1	43.9
57.5°	26.6	26.4	27.9	28.8	31.8	32.7	40.2	48.8	54.4	58.6	51.7
55°	34.8	35.0	38.0	39.0	41.2	41.1	47.6	55.6	61.4	63.4	56.1
52.5°	46.2	46.6	52.1	52.8	52.1	52.8	55.2	63.8	68.6	68.7	62.4
50°	58.6	65.1	68.5	70.7	66.8	69.2	67.0	76.5	83.7	83.1	85.4
47.5°	77.2	85.9	90.7	94.3	91.3	98.9	97.2	111.9	117.0	144.9	149.3
45°	99.1	113.0	119.5	127.4	136.1	145.3	168.9	168.9	235.0	260.9	329.4
42.5°	123.7	144.6	162.5	165.8	209.5	235.0	267.2	333.3	397.8	478.7	509.6
40°	156.4	179.5	216.1	257.5	306.0	361.5	421.4	501.7	586.3	628.2	633.5
37.5°	192.5	236.1	287.1	362.1	436.7	509.5	585.5	664.0	725.0	740.5	797.3
35°	231.4	295.3	390.5	476.6	563.4	664.0	731.6	803.9	840.5	904.6	1014.0
32.5°	280.3	356.0	474.4	586.3	682.9	792.3	857.1	912.4	998.4	1109.5	1351.2
30°	331.3	424.6	544.2	673.5	792.4	884.2	957.9	1027.3	1162.0	1430.6	2259.0
27.5°	373.8	483.4	609.3	753.3	889.0	972.7	1056.3	1177.6	1418.2	1971.6	3542.8
25°	412.0	530.9	673.0	840.3	973.1	1065.3	1174.1	1345.3	1722.7	3225.0	5238.4
22.5°	449.2	577.8	745.8	931.6	1058.3	1156.2	1321.0	1630.4	2421.2	4533.2	6953.0
20°	487.6	637.6	824.8	1016.5	1140.0	1236.9	1449.3	1907.2	3526.1	5941.4	8466.0
17.5°	527.9	698.0	901.7	1076.9	1192.4	1321.4	1584.7	2134.2	4448.4	7256.6	10082.7
15°	567.2	756.0	967.5	1128.9	1240.4	1412.6	1766.5	2803.8	5423.7	8725.2	11811.3
12.5°	604.9	808.6	1018.5	1169.8	1287.7	1497.5	1915.9	3541.6	6596.4	10088.8	13314.0
10°	640.5	855.7	1061.4	1208.4	1339.2	1588.2	2059.7	4263.8	7623.1	10974.9	14241.4
7.5°	677.0	895.0	1097.7	1245.3	1388.8	1673.7	2218.1	4824.9	8389.6	11656.6	14958.1
5°	710.0	925.2	1132.5	1286.5	1439.9	1749.5	2346.1	5253.7	8964.7	12219.8	15596.3
2.5°	738.9	948.9	1162.2	1325.4	1489.7	1813.0	2383.0	5373.0	9234.9	12522.8	16224.0
0°	763.7	966.8	1186.2	1359.9	1534.5	1864.6	2392.7	5352.1	9301.7	12614.6	16835.3
-2.5°	777.8	989.9	1229.1	1409.5	1574.7	1906.3	2443.4	5360.0	9358.2	13257.6	17621.4
-5°	787.6	1007.3	1264.3	1453.4	1610.3	1935.6	2471.5	5238.3	9281.8	13596.0	17851.2
-7.5°	793.1	1018.2	1290.3	1489.9	1642.6	1956.8	2487.4	5040.1	9286.1	13611.4	17562.2
-10°	796.0	1028.6	1302.5	1510.4	1670.3	1967.0	2479.7	4699.7	8917.4	13243.0	17086.1
-12.5°	805.6	1038.2	1306.8	1525.6	1692.4	1969.3	2491.1	4366.7	8225.9	12572.3	16405.5
-15°	809.4	1040.7	1304.4	1538.2	1728.1	1993.4	2491.5	3849.5	7328.2	11721.2	15549.7
-17.5°	806.8	1035.9	1296.9	1556.3	1761.1	1995.4	2434.9	3171.0	6302.9	10510.4	14422.9
-20°	798.1	1025.3	1280.7	1565.2	1780.0	2011.9	2418.3	3060.8	5298.1	8996.5	13054.6



REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	785.3	1008.6	1257.5	1545.5	1801.5	2048.1	2395.7	2914.3	4116.4	7267.1	11360.8
-25°	770.1	990.2	1232.7	1522.8	1811.5	2071.2	2325.4	2718.6	3422.6	5787.5	9264.3
-27.5°	754.2	964.1	1206.1	1485.0	1805.5	2060.2	2284.1	2610.2	3107.7	4143.6	7080.0
-30°	734.0	932.7	1167.1	1436.1	1752.0	2026.2	2258.9	2469.9	2809.6	3432.2	5194.8
-32.5°	709.3	896.0	1123.6	1380.4	1671.4	1985.4	2200.6	2384.0	2642.8	3024.2	3747.5
-35°	681.4	863.5	1075.2	1310.1	1575.8	1883.1	2113.0	2307.0	2481.8	2775.4	3237.9
-37.5°	653.0	823.4	1013.0	1235.7	1488.7	1739.6	2010.8	2204.2	2380.3	2564.6	2894.0
-40°	619.8	773.6	951.2	1157.1	1371.6	1599.3	1850.9	2093.1	2267.1	2459.2	2656.7
-42.5°	583.5	726.3	885.0	1063.5	1256.0	1460.7	1684.0	1926.7	2159.9	2343.6	2525.1
-45°	554.2	675.1	814.5	973.5	1139.2	1321.3	1525.0	1737.5	1985.2	2222.9	2390.8
-47.5°	518.8	624.2	752.7	878.7	1028.7	1191.2	1365.2	1566.6	1774.2	2008.3	2238.0
-50°	484.9	581.6	680.4	794.0	921.3	1064.1	1219.3	1396.5	1588.5	1780.4	1988.7
-52.5°	461.7	535.6	619.8	709.5	820.7	943.1	1080.6	1231.0	1399.3	1567.0	1747.6
-55°	436.2	500.2	560.7	636.7	724.1	830.4	949.6	1081.1	1209.5	1362.5	1515.9
-57.5°	411.4	464.5	513.1	571.4	644.4	722.4	830.8	940.2	1051.7	1170.2	1299.8
-60°	386.2	429.7	472.2	519.3	572.6	641.6	717.0	808.5	899.6	994.3	1108.9
-62.5°	361.0	396.5	432.9	473.6	518.8	565.5	627.1	693.7	757.6	843.8	935.2
-65°	340.8	365.2	395.3	431.1	467.6	510.3	553.3	595.0	651.0	716.4	782.7
-67.5°	319.1	342.0	364.1	389.2	422.2	457.4	492.9	530.3	568.3	613.3	661.7
-70°	303.2	319.4	339.1	359.9	381.5	407.0	438.6	469.6	501.6	539.1	577.6
-72.5°	288.3	303.1	317.9	332.4	351.9	373.0	393.9	414.7	441.4	473.3	504.0
-75°	272.9	286.6	300.0	313.3	328.0	343.7	360.1	379.0	399.6	421.8	443.1
-77.5°	257.2	269.3	281.6	293.8	307.2	321.2	335.5	349.9	366.2	383.3	399.9
-80°	240.5	251.8	262.8	273.6	285.8	298.2	310.9	323.8	338.2	353.0	366.8
-82.5°	222.0	232.0	242.3	252.4	263.6	274.7	286.1	297.3	310.0	322.9	334.6
-85°	204.3	212.1	221.1	230.0	240.2	250.4	260.5	270.5	282.2	293.8	304.0
-87.5°	191.0	198.5	205.8	213.1	221.8	230.5	239.3	248.0	258.2	268.4	277.3
-90°	7.6	7.1	7.1	7.1	6.6	6.1	6.1	6.1	5.6	5.1	4.6



REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	267.1	272.7	278.3	282.9	287.4	293.5	299.6	307.7	315.8	324.0	332.1
87.5°	4.9	4.5	4.1	4.0	4.0	4.0	4.0	3.5	3.0	3.0	3.0
85°	5.7	5.6	5.6	5.3	4.9	4.9	5.0	5.0	5.0	4.5	4.1
82.5°	6.1	6.1	6.1	5.6	5.1	5.1	5.1	5.1	5.1	4.6	4.1
80°	6.4	6.3	6.1	5.9	5.7	5.5	5.1	4.7	4.3	4.2	4.1
77.5°	7.2	6.9	6.5	6.4	6.2	5.7	5.2	4.7	4.2	4.1	4.1
75°	8.2	7.9	7.6	7.3	6.7	6.5	6.4	6.1	5.8	5.8	5.9
72.5°	9.8	9.7	9.6	9.9	9.8	10.2	10.6	11.1	11.5	12.3	13.2
70°	14.7	15.6	16.1	16.3	16.3	16.1	16.1	16.3	16.9	17.4	17.8
67.5°	21.4	23.0	23.8	24.2	22.6	21.7	21.8	22.3	23.1	24.5	26.5
65°	27.9	27.5	26.7	26.2	26.4	26.5	26.4	26.7	28.1	30.2	32.7
62.5°	32.8	28.4	25.7	24.5	25.3	26.9	25.8	25.0	26.1	27.5	28.7
60°	37.5	29.3	23.4	21.6	21.3	21.9	20.1	18.5	19.0	19.5	20.2
57.5°	42.0	31.3	21.7	18.5	15.5	14.0	13.5	13.0	12.6	12.4	12.5
55°	45.9	34.1	21.3	18.9	16.8	16.3	14.9	14.2	13.7	13.4	13.7
52.5°	50.9	43.9	35.0	32.5	36.6	36.9	32.6	38.8	43.5	45.6	46.5
50°	83.3	74.6	89.6	88.2	105.7	118.1	113.6	127.4	147.9	160.9	166.3
47.5°	183.0	183.3	212.9	239.1	260.8	289.1	310.8	331.9	361.1	379.3	387.5
45°	347.2	376.8	407.7	452.6	495.7	548.1	611.2	660.9	860.2	1058.6	1239.0
42.5°	531.6	564.0	609.1	707.0	823.3	1092.5	1574.0	1842.7	2178.2	2543.3	2683.5
40°	684.9	731.9	856.0	1131.6	1802.8	2441.9	3144.1	3737.6	4263.1	4565.5	4818.1
37.5°	874.3	986.7	1551.7	2331.8	3166.3	3967.3	4690.4	5317.7	5862.3	6303.9	6741.0
35°	1150.4	1896.7	2731.4	3745.7	4632.8	5374.8	6123.9	6842.8	7460.3	8120.0	9100.2
32.5°	2180.9	3156.3	4229.9	5139.1	6006.1	6942.4	7729.5	8879.7	9780.6	10983.3	12821.3
30°	3500.5	4724.7	5698.2	6607.5	7719.3	8979.2	10293.5	12052.8	13891.2	15808.9	17782.6
27.5°	5194.9	6431.3	7457.5	8670.6	10138.5	11815.2	14328.0	16807.8	19444.3	21842.6	23665.2
25°	7237.1	8546.5	10300.9	12060.9	14161.6	17026.8	19849.9	22888.4	25531.7	27885.2	30519.7
22.5°	9151.1	11297.5	13614.2	16271.3	19692.1	22923.6	26414.2	29489.1	32806.3	36160.7	38754.9
20°	10767.0	13563.2	16886.5	20716.9	24508.8	28169.4	32231.4	37132.6	42071.2	46483.3	49685.0
17.5°	12946.7	16487.9	20624.7	25177.6	29259.9	33796.3	39449.7	45817.9	52738.0	58861.0	63715.9
15°	15328.4	19463.4	24141.0	28911.6	34076.2	40154.8	47424.3	55557.1	64021.9	72607.6	80606.4
12.5°	16947.4	21792.0	26900.0	32572.3	39014.1	47164.1	55991.2	65007.0	74680.4	85363.0	94641.6
10°	18331.6	23706.2	29868.6	36466.6	43868.7	52629.7	61752.9	72703.6	84778.2	95298.1	105236.4
7.5°	19700.6	26016.2	32453.4	39323.4	47455.8	56971.4	67768.8	79546.0	91834.1	103268.5	111395.7
5°	21320.6	27872.8	34309.6	41566.6	50083.0	59981.0	71369.8	84893.9	97840.8	108351.3	115681.6
2.5°	22660.1	28986.5	35577.5	42760.0	51512.8	61847.2	74207.8	89237.1	102521.9	112349.5	118982.6
0°	23342.2	29699.8	36375.2	43674.2	52646.9	63191.7	76677.7	92465.9	105021.6	114100.4	121203.9
-2.5°	23425.4	29473.0	36025.4	43224.4	51993.8	62747.8	76573.1	92547.8	105672.2	115108.3	122116.8
-5°	23183.2	29174.3	35714.1	42917.5	51568.3	62769.9	76651.4	92012.4	104694.3	114468.5	121068.8
-7.5°	22599.4	28625.7	35177.7	42274.9	50789.8	61653.7	74600.6	88524.3	101568.9	112129.8	118218.5
-10°	21744.0	27665.2	34116.2	40910.2	48940.3	58984.6	70563.4	83310.5	96492.3	106589.9	113611.6
-12.5°	20662.2	26266.2	32432.8	38856.0	46437.5	55795.5	66116.7	76790.6	87840.4	99352.2	106665.8
-15°	19420.2	24540.9	30313.3	36771.0	44266.5	52065.3	60263.8	68960.0	79061.4	88477.7	96990.8
-17.5°	18241.8	22652.0	28037.9	34329.7	40712.4	47488.8	54515.1	61615.0	69715.3	77107.0	83719.4
-20°	16760.8	20516.0	25478.5	31069.0	36999.9	42871.5	48906.7	54658.9	60539.4	66555.9	71807.5



REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15015.2	18667.1	22807.4	27675.1	33369.1	38594.9	43428.6	47923.9	52637.3	56800.3	61122.2
-25°	13113.5	16624.9	20429.7	24867.1	29238.9	33976.4	37988.2	41811.1	45467.1	48736.0	52096.8
-27.5°	10778.4	14485.2	18235.7	21787.2	25394.8	28796.3	32536.8	36063.9	39113.0	41809.7	44473.3
-30°	8147.6	12082.0	15629.8	18676.4	21536.4	24373.5	27237.1	30196.8	33083.2	35538.9	37720.5
-32.5°	6011.5	9293.6	12572.9	15558.4	18061.5	20406.4	22633.4	24955.4	26974.3	29047.2	31064.7
-35°	3977.3	6297.1	9019.5	12054.5	14661.5	16634.2	18653.4	20504.7	22026.6	23633.7	25156.8
-37.5°	3347.2	3964.5	5785.7	8249.8	10664.3	12932.7	14946.4	16555.9	17956.6	19240.3	20555.7
-40°	2952.6	3304.8	3823.0	4718.2	6748.7	8744.3	10818.9	12529.7	14022.0	15252.5	16463.6
-42.5°	2693.6	2935.3	3193.4	3546.0	3893.5	4870.9	6573.9	8050.5	9450.1	10836.4	12084.3
-45°	2559.5	2695.1	2842.8	3034.5	3183.1	3448.0	3743.8	4021.6	5135.5	6339.3	7346.8
-47.5°	2398.5	2543.2	2653.5	2743.8	2816.1	2932.4	3055.4	3216.1	3474.0	3778.0	4010.1
-50°	2192.8	2368.3	2478.4	2568.9	2620.9	2665.9	2710.2	2810.9	2950.7	3116.4	3248.0
-52.5°	1926.8	2100.5	2256.4	2374.1	2431.5	2487.4	2543.1	2612.3	2691.8	2787.6	2856.2
-55°	1676.1	1821.2	1956.1	2065.8	2164.8	2255.0	2341.7	2415.0	2500.8	2591.8	2655.9
-57.5°	1438.1	1555.3	1666.0	1761.0	1846.7	1922.5	2011.2	2107.6	2217.2	2321.7	2395.1
-60°	1215.7	1308.9	1400.9	1478.2	1547.9	1610.1	1692.1	1772.9	1869.0	1954.5	2016.8
-62.5°	1016.8	1098.2	1166.2	1224.5	1277.1	1329.1	1398.1	1465.7	1544.7	1613.0	1664.8
-65°	844.8	912.7	960.6	1003.9	1042.0	1086.3	1139.6	1193.8	1255.9	1309.0	1351.5
-67.5°	712.2	758.2	788.3	815.1	846.7	881.9	922.2	965.5	1013.8	1053.9	1086.4
-70°	612.0	640.6	658.9	678.8	701.9	726.3	753.6	786.2	822.9	854.2	881.2
-72.5°	532.6	554.5	569.7	585.1	598.9	615.6	634.0	658.3	685.5	710.0	732.7
-75°	463.8	479.5	493.6	506.9	519.0	533.2	547.9	568.4	590.6	610.8	629.8
-77.5°	417.6	429.7	439.1	448.1	456.8	468.6	480.7	497.2	514.5	531.2	547.4
-80°	380.6	389.9	397.8	404.4	410.4	420.4	430.8	444.3	458.1	472.5	486.8
-82.5°	346.2	354.4	362.0	368.2	374.0	383.0	392.3	404.4	416.6	428.6	440.4
-85°	314.1	321.6	328.7	334.7	340.5	347.8	355.0	365.5	376.0	386.9	397.7
-87.5°	286.2	293.2	300.2	304.9	309.5	316.0	322.5	331.4	340.3	349.7	359.0
-90°	4.1	4.1	4.1	3.6	3.0	3.0	3.0	2.5	2.0	2.0	2.0



REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	336.2	340.2	342.3	344.3	342.3	340.2	336.2	332.1	324.0	315.8	307.7
87.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.0	3.0	3.5
85°	3.5	3.0	3.5	4.1	3.5	3.0	3.5	4.1	4.5	5.0	5.0
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6	5.1	5.1
80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.3	4.7
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.7
75°	5.6	5.1	5.1	5.1	5.1	5.1	5.6	5.9	5.8	5.8	6.1
72.5°	13.7	14.0	14.6	15.2	14.6	14.0	13.7	13.2	12.3	11.5	11.1
70°	18.0	18.2	18.3	18.3	18.3	18.2	18.0	17.8	17.4	16.9	16.3
67.5°	27.6	28.0	29.3	30.5	29.3	28.0	27.6	26.5	24.5	23.1	22.3
65°	34.6	36.1	36.5	36.6	36.5	36.1	34.6	32.7	30.2	28.1	26.7
62.5°	30.0	31.3	31.6	31.5	31.6	31.3	30.0	28.7	27.5	26.1	25.0
60°	20.9	21.5	21.8	22.3	21.8	21.5	20.9	20.2	19.5	19.0	18.5
57.5°	12.7	13.3	13.3	13.2	13.3	13.3	12.7	12.5	12.4	12.6	13.0
55°	13.8	14.1	13.8	13.2	13.8	14.1	13.8	13.7	13.4	13.7	14.2
52.5°	45.3	43.0	40.7	38.6	40.7	43.0	45.3	46.5	45.6	43.5	38.8
50°	164.5	161.7	157.8	153.4	157.8	161.7	164.5	166.3	160.9	147.9	127.4
47.5°	394.8	395.7	391.9	384.9	391.9	395.7	394.8	387.5	379.3	361.1	331.9
45°	1396.3	1472.3	1513.2	1541.7	1513.2	1472.3	1396.3	1239.0	1058.6	860.2	660.9
42.5°	2805.9	2912.5	2993.5	3010.2	2993.5	2912.5	2805.9	2683.5	2543.3	2178.2	1842.7
40°	5117.7	5135.6	4838.6	4390.4	4838.6	5135.6	5117.7	4818.1	4565.5	4263.1	3737.6
37.5°	7262.0	8011.3	8881.9	9326.1	8881.9	8011.3	7262.0	6741.0	6303.9	5862.3	5317.7
35°	10422.7	11549.9	11915.5	11925.0	11915.5	11549.9	10422.7	9100.2	8120.0	7460.3	6842.8
32.5°	14478.8	15395.2	15884.6	15751.7	15884.6	15395.2	14478.8	12821.3	10983.3	9780.6	8879.7
30°	18932.7	19730.1	19736.5	19469.8	19736.5	19730.1	18932.7	17782.6	15808.9	13891.2	12052.8
27.5°	25551.8	27236.6	28422.5	28742.1	28422.5	27236.6	25551.8	23665.2	21842.6	19444.3	16807.8
25°	32893.5	34745.0	35883.4	36298.0	35883.4	34745.0	32893.5	30519.7	27885.2	25531.7	22888.4
22.5°	41169.3	42969.4	43791.0	44220.6	43791.0	42969.4	41169.3	38754.9	36160.7	32806.3	29489.1
20°	52737.0	55296.5	56261.3	56673.7	56261.3	55296.5	52737.0	49685.0	46483.3	42071.2	37132.6
17.5°	68760.4	73815.3	76976.0	78599.1	76976.0	73815.3	68760.4	63715.9	58861.0	52738.0	45817.9
15°	86526.1	91657.9	95032.8	97056.4	95032.8	91657.9	86526.1	80606.4	72607.6	64021.9	55557.1
12.5°	101767.0	106341.7	109601.3	111539.1	109601.3	106341.7	101767.0	94641.6	85363.0	74680.4	65007.0
10°	111544.4	115467.7	118849.5	120501.2	118849.5	115467.7	111544.4	105236.4	95298.1	84778.2	72703.6
7.5°	117070.4	121632.2	123465.4	124595.0	123465.4	121632.2	117070.4	111395.7	103268.5	91834.1	79546.0
5°	121353.1	124958.1	126650.3	127476.2	126650.3	124958.1	121353.1	115681.6	108351.3	97840.8	84893.9
2.5°	124212.1	127341.7	128538.4	129204.7	128538.4	127341.7	124212.1	118982.6	112349.5	102521.9	89237.1
0°	125584.1	127891.6	129233.2	128579.1	129233.2	127891.6	125584.1	121203.9	114100.4	105021.6	92465.9
-2.5°	125593.7	127787.0	128784.2	128298.8	128784.2	127787.0	125593.7	122116.8	115108.3	105672.2	92547.8
-5°	124519.2	126156.1	127370.8	126981.6	127370.8	126156.1	124519.2	121068.8	114468.5	104694.3	92012.4
-7.5°	121621.5	123797.0	124686.7	124730.0	124686.7	123797.0	121621.5	118218.5	112129.8	101568.9	88524.3
-10°	117635.3	120047.3	120994.5	121091.2	120994.5	120047.3	117635.3	113611.6	106589.9	96492.3	83310.5
-12.5°	111710.8	114540.2	115903.4	116146.3	115903.4	114540.2	111710.8	106665.8	99352.2	87840.4	76790.6
-15°	102513.7	106327.3	108479.9	109235.3	108479.9	106327.3	102513.7	96990.8	88477.7	79061.4	68960.0
-17.5°	90010.7	94567.2	97251.4	98197.9	97251.4	94567.2	90010.7	83719.4	77107.0	69715.3	61615.0
-20°	76968.9	80346.9	82416.1	83268.8	82416.1	80346.9	76968.9	71807.5	66555.9	60539.4	54658.9



REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	65106.1	67829.6	69367.1	70050.0	69367.1	67829.6	65106.1	61122.2	56800.3	52637.3	47923.9
-25°	54817.4	57111.3	57899.7	58344.3	57899.7	57111.3	54817.4	52096.8	48736.0	45467.1	41811.1
-27.5°	46410.9	48230.6	48655.2	49047.7	48655.2	48230.6	46410.9	44473.3	41809.7	39113.0	36063.9
-30°	39327.3	40910.8	41127.4	41561.8	41127.4	40910.8	39327.3	37720.5	35538.9	33083.2	30196.8
-32.5°	32702.8	34112.8	34653.0	34736.0	34653.0	34112.8	32702.8	31064.7	29047.2	26974.3	24955.4
-35°	26359.3	27288.6	27656.3	27678.7	27656.3	27288.6	26359.3	25156.8	23633.7	22026.6	20504.7
-37.5°	21371.8	21964.2	22390.1	22272.8	22390.1	21964.2	21371.8	20555.7	19240.3	17956.6	16555.9
-40°	17142.2	17738.2	18127.5	18032.7	18127.5	17738.2	17142.2	16463.6	15252.5	14022.0	12529.7
-42.5°	12772.6	13428.0	13795.9	13694.1	13795.9	13428.0	12772.6	12084.3	10836.4	9450.1	8050.5
-45°	7921.2	8499.0	8770.1	8605.0	8770.1	8499.0	7921.2	7346.8	6339.3	5135.5	4021.6
-47.5°	4132.5	4264.0	4306.0	4247.2	4306.0	4264.0	4132.5	4010.1	3778.0	3474.0	3216.1
-50°	3350.6	3433.1	3468.5	3458.1	3468.5	3433.1	3350.6	3248.0	3116.4	2950.7	2810.9
-52.5°	2910.2	2948.3	2960.9	2953.3	2960.9	2948.3	2910.2	2856.2	2787.6	2691.8	2612.3
-55°	2709.9	2747.8	2760.9	2756.3	2760.9	2747.8	2709.9	2655.9	2591.8	2500.8	2415.0
-57.5°	2456.0	2502.4	2531.2	2546.1	2531.2	2502.4	2456.0	2395.1	2321.7	2217.2	2107.6
-60°	2067.0	2104.1	2114.8	2109.4	2114.8	2104.1	2067.0	2016.8	1954.5	1869.0	1772.9
-62.5°	1705.5	1736.0	1758.8	1774.2	1758.8	1736.0	1705.5	1664.8	1613.0	1544.7	1465.7
-65°	1382.7	1404.8	1409.5	1405.6	1409.5	1404.8	1382.7	1351.5	1309.0	1255.9	1193.8
-67.5°	1109.2	1125.6	1127.8	1124.3	1127.8	1125.6	1109.2	1086.4	1053.9	1013.8	965.5
-70°	899.4	913.1	915.0	913.0	915.0	913.1	899.4	881.2	854.2	822.9	786.2
-72.5°	746.0	756.1	763.7	769.8	763.7	756.1	746.0	732.7	710.0	685.5	658.3
-75°	639.4	646.7	648.5	649.0	648.5	646.7	639.4	629.8	610.8	590.6	568.4
-77.5°	555.9	563.2	568.3	572.8	568.3	563.2	555.9	547.4	531.2	514.5	497.2
-80°	493.3	498.8	503.0	506.8	503.0	498.8	493.3	486.8	472.5	458.1	444.3
-82.5°	446.6	452.4	455.8	459.0	455.8	452.4	446.6	440.4	428.6	416.6	404.4
-85°	402.4	406.9	410.2	413.3	410.2	406.9	402.4	397.7	386.9	376.0	365.5
-87.5°	363.3	367.5	369.6	371.7	369.6	367.5	363.3	359.0	349.7	340.3	331.4
-90°	1.5	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.0	2.0	2.5



REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	299.6	293.5	287.4	282.9	278.3	272.7	267.1	258.5	249.8	240.7	231.6
87.5°	4.0	4.0	4.0	4.0	4.1	4.5	4.9	5.0	5.1	5.6	6.1
85°	5.0	4.9	4.9	5.3	5.6	5.6	5.7	5.7	5.7	6.1	6.5
82.5°	5.1	5.1	5.1	5.6	6.1	6.1	6.1	6.3	6.4	6.7	7.1
80°	5.1	5.5	5.7	5.9	6.1	6.3	6.4	6.8	7.1	7.1	7.2
77.5°	5.2	5.7	6.2	6.4	6.5	6.9	7.2	7.1	7.2	7.5	7.8
75°	6.4	6.5	6.7	7.3	7.6	7.9	8.2	8.4	8.3	8.3	8.5
72.5°	10.6	10.2	9.8	9.9	9.6	9.7	9.8	10.0	10.0	9.6	9.3
70°	16.1	16.1	16.3	16.3	16.1	15.6	14.7	13.5	12.5	12.3	11.5
67.5°	21.8	21.7	22.6	24.2	23.8	23.0	21.4	19.8	18.4	17.1	14.7
65°	26.4	26.5	26.4	26.2	26.7	27.5	27.9	26.4	26.6	24.2	19.4
62.5°	25.8	26.9	25.3	24.5	25.7	28.4	32.8	35.0	36.9	34.7	29.1
60°	20.1	21.9	21.3	21.6	23.4	29.3	37.5	43.9	49.1	45.6	39.0
57.5°	13.5	14.0	15.5	18.5	21.7	31.3	42.0	51.7	58.6	54.4	48.8
55°	14.9	16.3	16.8	18.9	21.3	34.1	45.9	56.1	63.4	61.4	55.6
52.5°	32.6	36.9	36.6	32.5	35.0	43.9	50.9	62.4	68.7	68.6	63.8
50°	113.6	118.1	105.7	88.2	89.6	74.6	83.3	85.4	83.1	83.7	76.5
47.5°	310.8	289.1	260.8	239.1	212.9	183.3	183.0	149.3	144.9	117.0	111.9
45°	611.2	548.1	495.7	452.6	407.7	376.8	347.2	329.4	260.9	235.0	168.9
42.5°	1574.0	1092.5	823.3	707.0	609.1	564.0	531.6	509.6	478.7	397.8	333.3
40°	3144.1	2441.9	1802.8	1131.6	856.0	731.9	684.9	633.5	628.2	586.3	501.7
37.5°	4690.4	3967.3	3166.3	2331.8	1551.7	986.7	874.3	797.3	740.5	725.0	664.0
35°	6123.9	5374.8	4632.8	3745.7	2731.4	1896.7	1150.4	1014.0	904.6	840.5	803.9
32.5°	7729.5	6942.4	6006.1	5139.1	4229.9	3156.3	2180.9	1351.2	1109.5	998.4	912.4
30°	10293.5	8979.2	7719.3	6607.5	5698.2	4724.7	3500.5	2259.0	1430.6	1162.0	1027.3
27.5°	14328.0	11815.2	10138.5	8670.6	7457.5	6431.3	5194.9	3542.8	1971.6	1418.2	1177.6
25°	19849.9	17026.8	14161.6	12060.9	10300.9	8546.5	7237.1	5238.4	3225.0	1722.7	1345.3
22.5°	26414.2	22923.6	19692.1	16271.3	13614.2	11297.5	9151.1	6953.0	4533.2	2421.2	1630.4
20°	32231.4	28169.4	24508.8	20716.9	16886.5	13563.2	10767.0	8466.0	5941.4	3526.1	1907.2
17.5°	39449.7	33796.3	29259.9	25177.6	20624.7	16487.9	12946.7	10082.7	7256.6	4448.4	2134.2
15°	47424.3	40154.8	34076.2	28911.6	24141.0	19463.4	15328.4	11811.3	8725.2	5423.7	2803.8
12.5°	55991.2	47164.1	39014.1	32572.3	26900.0	21792.0	16947.4	13314.0	10088.8	6596.4	3541.6
10°	61752.9	52629.7	43868.7	36466.6	29868.6	23706.2	18331.6	14241.4	10974.9	7623.1	4263.8
7.5°	67768.8	56971.4	47455.8	39323.4	32453.4	26016.2	19700.6	14958.1	11656.6	8389.6	4824.9
5°	71369.8	59981.0	50083.0	41566.6	34309.6	27872.8	21320.6	15596.3	12219.8	8964.7	5253.7
2.5°	74207.8	61847.2	51512.8	42760.0	35577.5	28986.5	22660.1	16224.0	12522.8	9234.9	5373.0
0°	76677.7	63191.7	52646.9	43674.2	36375.2	29699.8	23342.2	16835.3	12614.6	9301.7	5352.1
-2.5°	76573.1	62747.8	51993.8	43224.4	36025.4	29473.0	23425.4	17621.4	13257.6	9358.2	5360.0
-5°	76651.4	62769.9	51568.3	42917.5	35714.1	29174.3	23183.2	17851.2	13596.0	9281.8	5238.3
-7.5°	74600.6	61653.7	50789.8	42274.9	35177.7	28625.7	22599.4	17562.2	13611.4	9286.1	5040.1
-10°	70563.4	58984.6	48940.3	40910.2	34116.2	27665.2	21744.0	17086.1	13243.0	8917.4	4699.7
-12.5°	66116.7	55795.5	46437.5	38856.0	32432.8	26266.2	20662.2	16405.5	12572.3	8225.9	4366.7
-15°	60263.8	52065.3	44266.5	36771.0	30313.3	24540.9	19420.2	15549.7	11721.2	7328.2	3849.5
-17.5°	54515.1	47488.8	40712.4	34329.7	28037.9	22652.0	18241.8	14422.9	10510.4	6302.9	3171.0
-20°	48906.7	42871.5	36999.9	31069.0	25478.5	20516.0	16760.8	13054.6	8996.5	5298.1	3060.8



REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	43428.6	38594.9	33369.1	27675.1	22807.4	18667.1	15015.2	11360.8	7267.1	4116.4	2914.3
-25°	37988.2	33976.4	29238.9	24867.1	20429.7	16624.9	13113.5	9264.3	5787.5	3422.6	2718.6
-27.5°	32536.8	28796.3	25394.8	21787.2	18235.7	14485.2	10778.4	7080.0	4143.6	3107.7	2610.2
-30°	27237.1	24373.5	21536.4	18676.4	15629.8	12082.0	8147.6	5194.8	3432.2	2809.6	2469.9
-32.5°	22633.4	20406.4	18061.5	15558.4	12572.9	9293.6	6011.5	3747.5	3024.2	2642.8	2384.0
-35°	18653.4	16634.2	14661.5	12054.5	9019.5	6297.1	3977.3	3237.9	2775.4	2481.8	2307.0
-37.5°	14946.4	12932.7	10664.3	8249.8	5785.7	3964.5	3347.2	2894.0	2564.6	2380.3	2204.2
-40°	10818.9	8744.3	6748.7	4718.2	3823.0	3304.8	2952.6	2656.7	2459.2	2267.1	2093.1
-42.5°	6573.9	4870.9	3893.5	3546.0	3193.4	2935.3	2693.6	2525.1	2343.6	2159.9	1926.7
-45°	3743.8	3448.0	3183.1	3034.5	2842.8	2695.1	2559.5	2390.8	2222.9	1985.2	1737.5
-47.5°	3055.4	2932.4	2816.1	2743.8	2653.5	2543.2	2398.5	2238.0	2008.3	1774.2	1566.6
-50°	2710.2	2665.9	2620.9	2568.9	2478.4	2368.3	2192.8	1988.7	1780.4	1588.5	1396.5
-52.5°	2543.1	2487.4	2431.5	2374.1	2256.4	2100.5	1926.8	1747.6	1567.0	1399.3	1231.0
-55°	2341.7	2255.0	2164.8	2065.8	1956.1	1821.2	1676.1	1515.9	1362.5	1209.5	1081.1
-57.5°	2011.2	1922.5	1846.7	1761.0	1666.0	1555.3	1438.1	1299.8	1170.2	1051.7	940.2
-60°	1692.1	1610.1	1547.9	1478.2	1400.9	1308.9	1215.7	1108.9	994.3	899.6	808.5
-62.5°	1398.1	1329.1	1277.1	1224.5	1166.2	1098.2	1016.8	935.2	843.8	757.6	693.7
-65°	1139.6	1086.3	1042.0	1003.9	960.6	912.7	844.8	782.7	716.4	651.0	595.0
-67.5°	922.2	881.9	846.7	815.1	788.3	758.2	712.2	661.7	613.3	568.3	530.3
-70°	753.6	726.3	701.9	678.8	658.9	640.6	612.0	577.6	539.1	501.6	469.6
-72.5°	634.0	615.6	598.9	585.1	569.7	554.5	532.6	504.0	473.3	441.4	414.7
-75°	547.9	533.2	519.0	506.9	493.6	479.5	463.8	443.1	421.8	399.6	379.0
-77.5°	480.7	468.6	456.8	448.1	439.1	429.7	417.6	399.9	383.3	366.2	349.9
-80°	430.8	420.4	410.4	404.4	397.8	389.9	380.6	366.8	353.0	338.2	323.8
-82.5°	392.3	383.0	374.0	368.2	362.0	354.4	346.2	334.6	322.9	310.0	297.3
-85°	355.0	347.8	340.5	334.7	328.7	321.6	314.1	304.0	293.8	282.2	270.5
-87.5°	322.5	316.0	309.5	304.9	300.2	293.2	286.2	277.3	268.4	258.2	248.0
-90°	3.0	3.0	3.0	3.6	4.1	4.1	4.1	4.6	5.1	5.6	6.1



REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	223.0	214.3	206.2	198.0	191.4	184.8	177.7	170.6	159.0	147.3	131.1
87.5°	6.4	6.7	7.2	7.7	7.6	7.6	8.1	8.5	8.7	8.8	9.2
85°	7.0	7.4	7.7	8.1	8.2	8.1	8.5	9.0	9.3	9.5	9.9
82.5°	7.6	8.0	8.0	8.2	8.8	9.2	9.2	9.4	9.9	10.3	10.5
80°	7.7	8.1	8.3	8.5	9.4	10.2	10.0	10.0	10.6	11.0	11.1
77.5°	8.1	8.4	8.7	9.1	9.7	10.3	10.4	10.5	11.2	11.7	11.8
75°	8.8	9.0	9.0	9.4	10.0	10.4	10.7	11.0	11.8	12.4	12.4
72.5°	9.6	9.6	9.3	9.6	10.5	11.0	11.3	11.5	12.2	12.9	13.0
70°	10.8	10.4	10.0	10.4	11.1	11.7	12.1	12.5	12.7	13.4	13.8
67.5°	12.2	11.6	11.0	11.2	11.8	12.7	13.1	13.6	13.9	14.1	14.6
65°	16.8	14.7	12.2	12.8	12.9	13.9	14.5	15.1	15.1	15.5	15.4
62.5°	23.5	19.8	17.7	15.6	15.3	16.5	16.3	17.5	16.7	16.9	16.8
60°	32.2	26.5	23.8	21.6	20.2	20.1	20.7	20.4	20.1	18.5	18.3
57.5°	40.2	32.7	31.8	28.8	27.9	26.4	26.6	26.0	24.4	22.8	20.0
55°	47.6	41.1	41.2	39.0	38.0	35.0	34.8	33.5	30.3	28.3	22.2
52.5°	55.2	52.8	52.1	52.8	52.1	46.6	46.2	41.9	39.4	34.4	27.9
50°	67.0	69.2	66.8	70.7	68.5	65.1	58.6	54.1	49.1	41.8	34.2
47.5°	97.2	98.9	91.3	94.3	90.7	85.9	77.2	67.7	59.5	51.3	40.5
45°	168.9	145.3	136.1	127.4	119.5	113.0	99.1	82.2	72.6	61.0	47.0
42.5°	267.2	235.0	209.5	165.8	162.5	144.6	123.7	104.0	86.4	71.0	54.9
40°	421.4	361.5	306.0	257.5	216.1	179.5	156.4	128.3	100.6	82.1	63.9
37.5°	585.5	509.5	436.7	362.1	287.1	236.1	192.5	153.9	117.7	95.0	73.0
35°	731.6	664.0	563.4	476.6	390.5	295.3	231.4	183.6	140.8	108.2	82.2
32.5°	857.1	792.3	682.9	586.3	474.4	356.0	280.3	217.2	164.5	121.8	91.9
30°	957.9	884.2	792.4	673.5	544.2	424.6	331.3	250.3	188.5	135.7	102.2
27.5°	1056.3	972.7	889.0	753.3	609.3	483.4	373.8	282.7	212.7	151.3	113.4
25°	1174.1	1065.3	973.1	840.3	673.0	530.9	412.0	314.5	238.7	169.2	124.2
22.5°	1321.0	1156.2	1058.3	931.6	745.8	577.8	449.2	348.1	261.2	186.2	134.5
20°	1449.3	1236.9	1140.0	1016.5	824.8	637.6	487.6	376.1	282.4	202.1	144.3
17.5°	1584.7	1321.4	1192.4	1076.9	901.7	698.0	527.9	402.7	302.3	217.0	153.6
15°	1766.5	1412.6	1240.4	1128.9	967.5	756.0	567.2	427.8	320.9	230.7	162.6
12.5°	1915.9	1497.5	1287.7	1169.8	1018.5	808.6	604.9	451.4	338.0	244.5	171.5
10°	2059.7	1588.2	1339.2	1208.4	1061.4	855.7	640.5	476.3	358.2	258.2	179.9
7.5°	2218.1	1673.7	1388.8	1245.3	1097.7	895.0	677.0	506.1	377.8	270.9	187.7
5°	2346.1	1749.5	1439.9	1286.5	1132.5	925.2	710.0	534.1	395.9	282.5	194.9
2.5°	2383.0	1813.0	1489.7	1325.4	1162.2	948.9	738.9	559.8	412.2	292.7	201.4
0°	2392.7	1864.6	1534.5	1359.9	1186.2	966.8	763.7	582.9	426.5	301.6	207.2
-2.5°	2443.4	1906.3	1574.7	1409.5	1229.1	989.9	777.8	594.8	438.6	311.9	215.6
-5°	2471.5	1935.6	1610.3	1453.4	1264.3	1007.3	787.6	603.6	448.4	320.7	223.2
-7.5°	2487.4	1956.8	1642.6	1489.9	1290.3	1018.2	793.1	609.3	455.8	327.8	230.0
-10°	2479.7	1967.0	1670.3	1510.4	1302.5	1028.6	796.0	612.1	460.8	333.3	235.9
-12.5°	2491.1	1969.3	1692.4	1525.6	1306.8	1038.2	805.6	616.4	463.4	337.0	240.9
-15°	2491.5	1993.4	1728.1	1538.2	1304.4	1040.7	809.4	618.6	464.2	339.0	244.9
-17.5°	2434.9	1995.4	1761.1	1556.3	1296.9	1035.9	806.8	616.0	462.2	339.5	248.3
-20°	2418.3	2011.9	1780.0	1565.2	1280.7	1025.3	798.1	608.4	457.5	338.2	251.3



REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2395.7	2048.1	1801.5	1545.5	1257.5	1008.6	785.3	596.2	449.9	335.2	253.3
-25°	2325.4	2071.2	1811.5	1522.8	1232.7	990.2	770.1	585.6	439.5	330.5	254.4
-27.5°	2284.1	2060.2	1805.5	1485.0	1206.1	964.1	754.2	577.7	432.5	324.0	254.6
-30°	2258.9	2026.2	1752.0	1436.1	1167.1	932.7	734.0	565.5	426.9	321.2	253.8
-32.5°	2200.6	1985.4	1671.4	1380.4	1123.6	896.0	709.3	548.7	418.3	321.0	253.2
-35°	2113.0	1883.1	1575.8	1310.1	1075.2	863.5	681.4	527.1	406.8	319.2	252.3
-37.5°	2010.8	1739.6	1488.7	1235.7	1013.0	823.4	653.0	507.6	392.4	315.7	250.8
-40°	1850.9	1599.3	1371.6	1157.1	951.2	773.6	619.8	488.7	383.6	310.8	248.2
-42.5°	1684.0	1460.7	1256.0	1063.5	885.0	726.3	583.5	466.5	376.4	305.8	244.5
-45°	1525.0	1321.3	1139.2	973.5	814.5	675.1	554.2	443.3	367.1	300.4	241.0
-47.5°	1365.2	1191.2	1028.7	878.7	752.7	624.2	518.8	430.3	355.9	293.7	238.1
-50°	1219.3	1064.1	921.3	794.0	680.4	581.6	484.9	414.9	345.7	285.1	234.4
-52.5°	1080.6	943.1	820.7	709.5	619.8	535.6	461.7	396.4	333.7	277.9	229.9
-55°	949.6	830.4	724.1	636.7	560.7	500.2	436.2	377.7	319.8	270.8	224.9
-57.5°	830.8	722.4	644.4	571.4	513.1	464.5	411.4	357.4	308.9	262.7	222.4
-60°	717.0	641.6	572.6	519.3	472.2	429.7	386.2	338.0	298.2	254.6	218.8
-62.5°	627.1	565.5	518.8	473.6	432.9	396.5	361.0	322.5	285.8	249.3	214.5
-65°	553.3	510.3	467.6	431.1	395.3	365.2	340.8	306.1	276.2	243.4	209.5
-67.5°	492.9	457.4	422.2	389.2	364.1	342.0	319.1	293.3	267.0	236.8	203.5
-70°	438.6	407.0	381.5	359.9	339.1	319.4	303.2	281.8	257.3	228.8	196.9
-72.5°	393.9	373.0	351.9	332.4	317.9	303.1	288.3	269.6	246.2	220.2	189.8
-75°	360.1	343.7	328.0	313.3	300.0	286.6	272.9	256.7	234.7	211.0	181.5
-77.5°	335.5	321.2	307.2	293.8	281.6	269.3	257.2	243.4	222.4	200.0	172.5
-80°	310.9	298.2	285.8	273.6	262.8	251.8	240.5	227.8	208.3	188.5	163.1
-82.5°	286.1	274.7	263.6	252.4	242.3	232.0	222.0	211.2	193.9	176.4	154.2
-85°	260.5	250.4	240.2	230.0	221.1	212.1	204.3	195.9	181.5	166.9	146.7
-87.5°	239.3	230.5	221.8	213.1	205.8	198.5	191.0	183.4	170.3	157.2	139.0
-90°	6.1	6.1	6.6	7.1	7.1	7.1	7.6	8.1	8.1	8.1	8.6



REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	114.8	95.0	75.2	53.8	32.5	21.8	11.2
87.5°	9.6	9.6	9.5	9.4	9.4	10.4	11.2
85°	10.2	10.0	9.8	9.8	9.7	10.6	11.2
82.5°	10.7	10.5	10.2	10.1	9.9	10.8	11.2
80°	11.3	10.9	10.6	10.5	10.2	11.1	11.2
77.5°	11.8	11.4	10.9	10.8	10.5	11.3	11.2
75°	12.4	12.1	11.4	11.2	10.8	11.5	11.2
72.5°	13.0	12.8	12.1	11.5	11.2	11.8	11.2
70°	13.6	13.5	12.8	11.9	11.5	12.0	11.2
67.5°	14.5	14.2	13.5	12.5	11.9	12.2	11.2
65°	15.4	15.0	14.3	13.1	12.2	12.5	11.2
62.5°	16.4	15.9	15.0	13.7	12.6	12.7	11.2
60°	17.3	16.7	15.7	14.3	13.0	13.0	11.2
57.5°	19.2	17.6	16.7	14.9	13.7	13.2	11.2
55°	21.5	18.5	17.8	15.4	14.4	13.5	11.2
52.5°	23.9	19.7	19.0	16.0	15.1	13.7	11.2
50°	26.6	22.5	20.3	16.6	15.9	14.0	11.2
47.5°	29.8	25.5	21.7	17.3	16.7	14.2	11.2
45°	35.4	28.6	23.1	18.4	17.5	14.5	11.2
42.5°	41.0	31.8	24.6	19.6	18.4	14.7	11.2
40°	47.0	35.2	26.8	21.3	19.4	15.0	11.2
37.5°	53.5	38.7	29.4	23.3	20.3	15.2	11.2
35°	60.0	43.4	32.2	25.3	21.3	15.5	11.2
32.5°	67.0	48.6	34.9	27.5	22.3	15.7	11.2
30°	75.2	53.7	37.6	29.6	23.4	16.0	11.2
27.5°	83.2	58.8	41.3	31.8	24.5	16.2	11.2
25°	91.0	63.8	45.1	34.0	25.5	16.4	11.2
22.5°	98.5	68.9	48.8	36.2	26.6	16.6	11.2
20°	105.9	74.4	52.4	38.4	27.7	16.9	11.2
17.5°	113.2	79.7	56.0	40.7	28.8	17.1	11.2
15°	120.2	84.8	59.4	42.8	29.8	17.3	11.2
12.5°	126.9	89.6	62.7	45.0	30.9	17.5	11.2
10°	133.1	94.2	65.9	47.1	31.9	17.7	11.2
7.5°	138.9	98.5	68.9	49.1	32.9	17.8	11.2
5°	144.2	102.5	71.8	51.1	33.8	18.0	11.2
2.5°	149.1	106.3	74.6	53.0	34.7	18.2	11.2
0°	153.4	109.7	77.2	54.8	35.5	18.3	11.2
-2.5°	159.9	114.7	80.8	57.2	37.0	19.0	11.2
-5°	165.9	119.4	84.2	59.5	38.5	19.7	11.2
-7.5°	171.3	123.7	87.4	61.7	39.9	20.4	11.2
-10°	176.1	127.6	90.3	63.7	41.2	21.0	11.2
-12.5°	180.3	131.1	93.1	65.6	42.4	21.6	11.2
-15°	183.8	134.2	95.6	67.4	43.5	22.2	11.2
-17.5°	186.7	136.8	97.8	69.0	44.5	22.8	11.2
-20°	189.3	138.9	99.8	70.5	45.5	23.3	11.2



REPORT NUMBER: P1305636 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-80-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	191.9	140.5	101.5	71.8	46.3	23.8	11.2
-25°	193.8	142.5	102.9	72.9	47.1	24.3	11.2
-27.5°	194.9	144.4	104.0	73.9	47.8	24.7	11.2
-30°	195.3	145.8	105.0	74.7	48.3	25.1	11.2
-32.5°	194.9	146.7	106.7	75.4	48.7	25.5	11.2
-35°	194.9	147.2	108.2	75.8	49.1	25.8	11.2
-37.5°	194.9	147.6	109.4	76.1	49.3	26.0	11.2
-40°	194.3	148.8	110.3	76.2	49.4	26.2	11.2
-42.5°	193.2	149.5	111.1	76.4	49.4	26.4	11.2
-45°	191.5	149.9	111.7	76.8	49.3	26.6	11.2
-47.5°	189.2	149.9	111.9	77.0	49.1	26.6	11.2
-50°	188.3	149.5	111.8	77.1	48.8	26.7	11.2
-52.5°	187.3	148.8	111.3	77.0	48.4	26.7	11.2
-55°	185.7	147.4	110.4	76.6	47.8	26.6	11.2
-57.5°	183.7	145.6	109.2	76.0	47.2	26.5	11.2
-60°	181.1	143.4	107.6	75.2	46.4	26.4	11.2
-62.5°	177.7	140.8	106.1	74.3	45.8	26.2	11.2
-65°	173.8	137.8	104.2	73.1	45.1	26.0	11.2
-67.5°	169.4	134.5	102.1	71.7	44.2	25.7	11.2
-70°	164.6	130.8	99.7	70.1	43.3	25.4	11.2
-72.5°	158.8	126.8	97.1	68.5	42.2	25.1	11.2
-75°	152.4	122.3	94.2	66.9	41.0	24.7	11.2
-77.5°	145.6	117.5	91.4	65.1	39.8	24.3	11.2
-80°	138.2	113.1	88.6	63.1	38.5	23.9	11.2
-82.5°	132.6	108.9	85.5	61.0	37.1	23.4	11.2
-85°	126.9	104.5	82.3	58.8	35.6	22.9	11.2
-87.5°	121.0	99.8	78.8	56.4	34.1	22.4	11.2
-90°	9.1	9.1	9.1	9.1	9.1	10.2	11.2

(END OF REPORT)