

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: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-57-80-2S-VHE-A**

Issue Date: 2/3/2026

Test Information

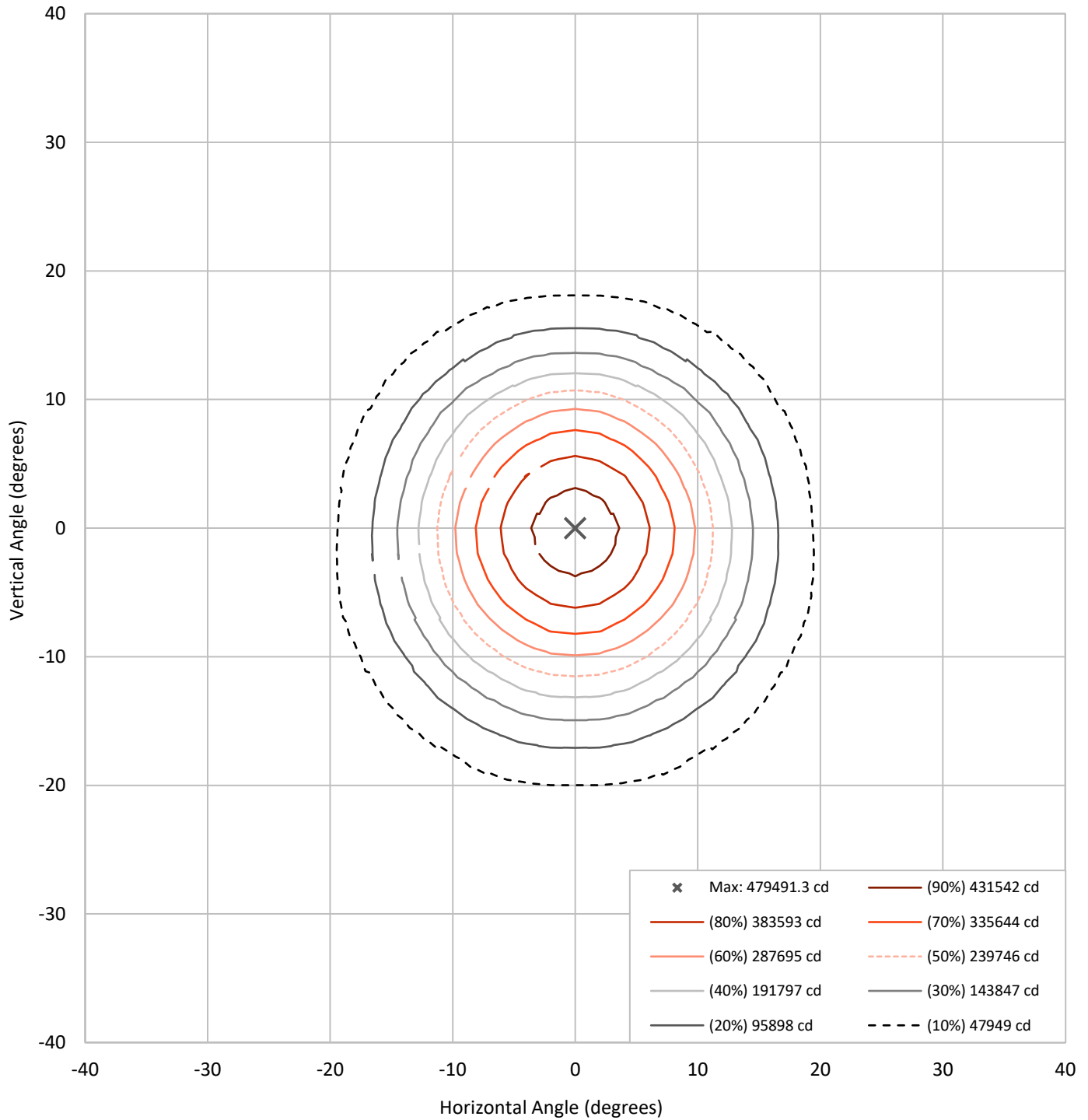
Test Method: LM-79-08
Report Number: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-640L-57-80-2S-VHE-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 2S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	83807.9 lumens	Max Intensity:	479491.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	125.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22.5°H x 22.2°V	Field Angle (10%):	38.8°H x 38.1°V
Beam Lumens:	39162.1 lumens	Field Lumens:	69766.4 lumens
Beam Efficiency:	46.7%	Field Efficiency:	83.2%
Input Watts (W):	670		
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: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

Iso-Candela Plot





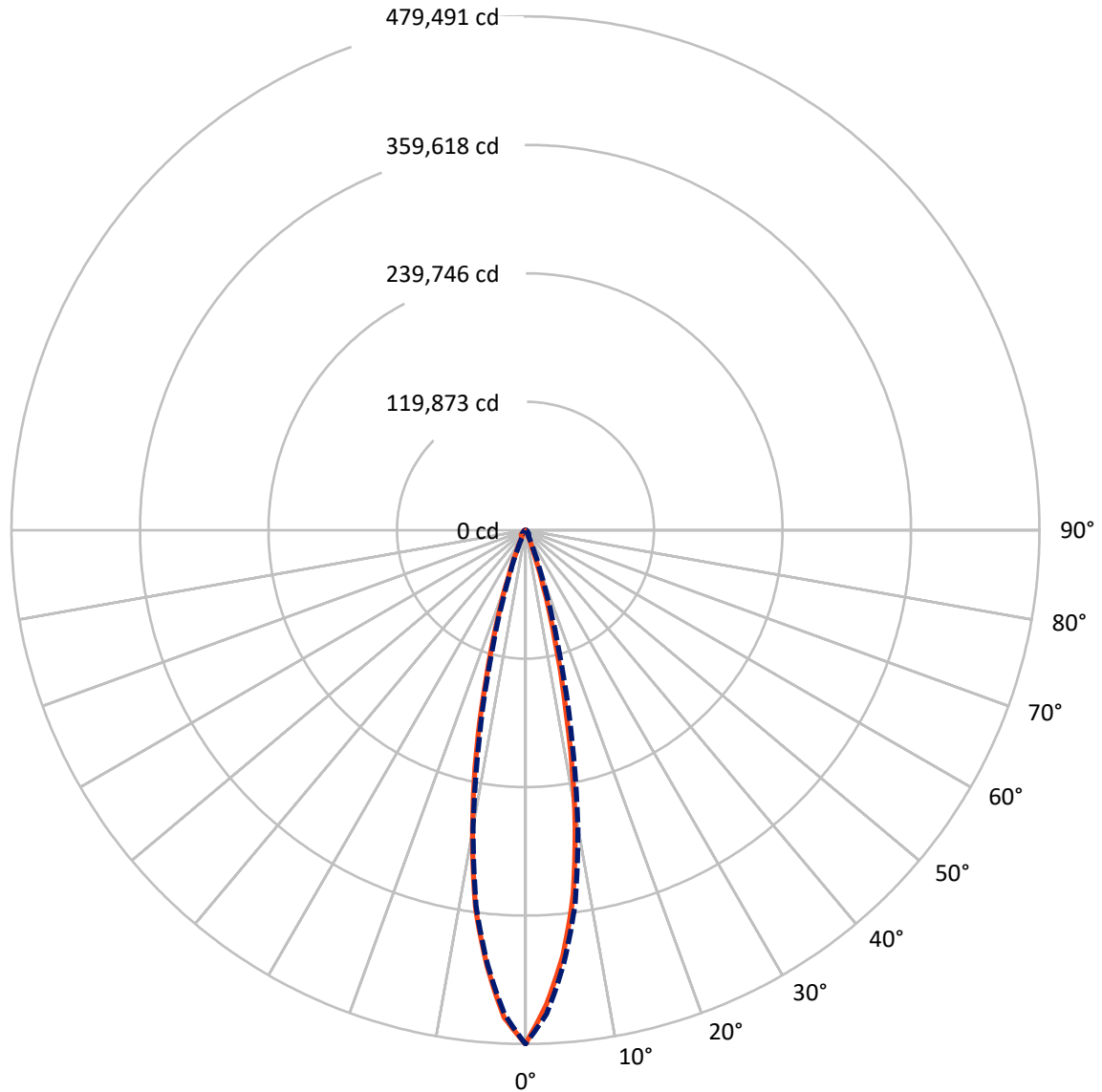
REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

Lumen Table

90	0.2	0.7	1.2	1.8	2.2	1.8	1.2	0.7	0.2										
80	0.2	0.7	1.2	1.8	2.2	1.8	1.2	0.7	0.2										
70	0.2	0.1	0.2	0.6	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.6	0.2	0.1	0.2			
60		0.3	0.7	1.0	0.8	0.7	0.8	1.0	1.0	0.8	0.7	0.8	1.0	0.7	0.3				
50	0.6	1.0	2.5	5.0	8.8	14.4	22.1	26.1	26.1	22.1	14.4	8.8	5.0	2.5	1.0	0.6			
40		2.6	8.2	15.9	31.2	54.3	66.0	73.2	73.2	66.0	54.3	31.2	15.9	8.2	2.6				
30	1.7	4.5	13.7	29.1	71.2	82.8	114.3	208.8	208.8	114.3	82.8	71.2	29.1	13.7	4.5	1.7			
20		6.0	17.8	51.1	100.4	147.5	935.8	3018.3	3018.3	935.8	147.5	100.4	51.1	17.8	6.0				
10	2.4	7.2	20.6	66.7	115.0	329.9	3315.2	9966.1	9966.1	3315.2	329.9	115.0	66.7	20.6	7.2	2.4			
0		7.9	22.7	70.4	126.5	378.2	3610.5	10364.3	10364.3	3610.5	378.2	126.5	70.4	22.7	7.9				
-10	2.6	8.0	23.6	67.9	133.1	216.5	1323.2	3876.4	3876.4	1323.2	216.5	133.1	67.9	23.6	8.0	2.6			
-20		7.4	23.2	51.9	125.5	172.1	239.1	478.3	478.3	239.1	172.1	125.5	51.9	23.2	7.4				
-30	2.2	6.3	20.3	40.6	87.8	154.6	181.1	189.9	189.9	181.1	154.6	87.8	40.6	20.3	6.3	2.2			
-40		4.8	15.4	32.8	52.4	80.5	122.4	153.7	153.7	122.4	80.5	52.4	32.8	15.4	4.8				
-50	1.7	3.1	9.8	21.5	36.6	49.6	59.2	65.4	65.4	59.2	49.6	36.6	21.5	9.8	3.1	1.7			
-60		2.1	4.9	10.8	18.7	26.3	33.1	37.2	37.2	33.1	26.3	18.7	10.8	4.9	2.1				
-70																			
-80	1.2	7.7	18.6	31.1	38.0	31.1	18.6	7.7	1.2										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

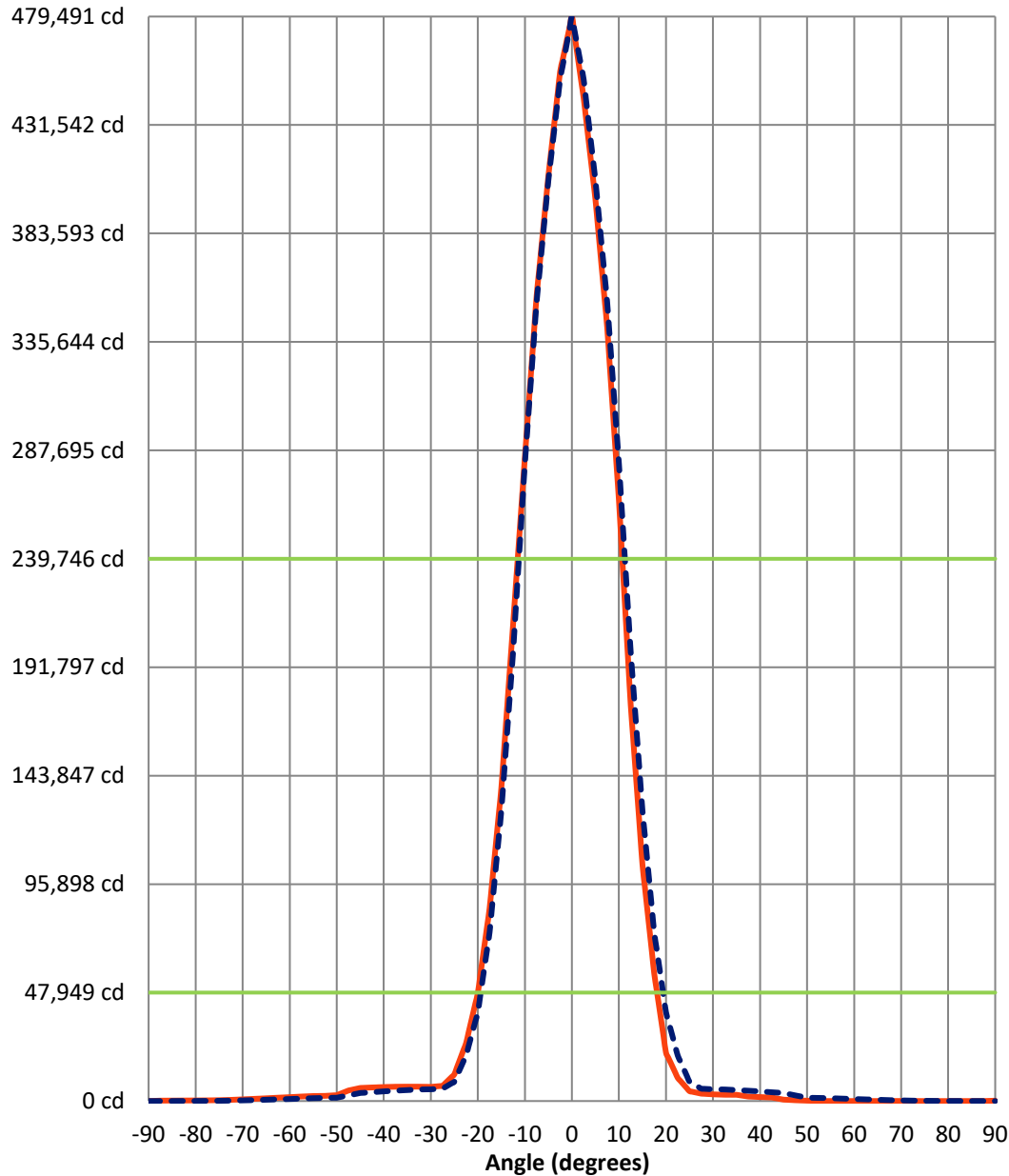
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

Luminous Intensity Plot



Beam:
 H Angle: 22.5°
 V Angle: 22.2°
 Lumens: 39162.1
 Efficiency: 46.7%

Field:
 H Angle: 38.8°
 V Angle: 38.1°
 Lumens: 69766.4
 Efficiency: 83.2%

Spill:
 Lumens: 14041.5
 Efficiency: 16.8%

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



REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.9	10.3	15.7	26.9	38.2	47.9	57.7	65.1	72.4	78.3	84.2
87.5°	4.9	5.0	5.1	5.1	5.1	5.1	5.2	5.1	4.9	4.9	4.9
85°	4.9	5.2	5.2	5.3	5.2	5.3	5.4	5.2	4.9	4.9	4.9
82.5°	4.9	5.3	5.4	5.5	5.4	5.5	5.7	5.4	5.0	5.1	5.2
80°	4.9	5.4	5.6	5.7	5.6	5.8	5.9	5.7	5.7	5.7	5.6
77.5°	4.9	5.5	5.8	5.9	5.8	6.0	6.2	6.2	6.3	6.3	6.1
75°	4.9	5.7	6.0	6.1	6.0	6.3	6.5	6.6	6.9	6.8	6.6
72.5°	4.9	5.8	6.2	6.3	6.4	6.7	6.8	7.0	7.3	7.2	7.0
70°	4.9	5.9	6.3	6.5	6.7	7.0	7.1	7.5	7.7	7.6	7.5
67.5°	4.9	6.1	6.5	6.8	7.0	7.4	7.7	8.0	8.1	8.3	8.1
65°	4.9	6.2	6.7	7.0	7.4	7.8	8.3	8.5	9.1	9.1	9.0
62.5°	4.9	6.3	6.9	7.3	7.7	8.4	8.9	9.5	10.3	10.1	10.5
60°	4.9	6.4	7.2	7.5	8.0	9.0	9.5	10.9	11.5	12.1	12.3
57.5°	4.9	6.6	7.4	7.8	8.7	9.6	11.1	12.4	13.9	14.6	16.4
55°	4.9	6.7	7.7	8.0	9.4	10.3	12.9	14.3	16.8	18.1	22.0
52.5°	4.9	6.8	8.0	8.3	10.2	11.1	14.9	17.3	19.9	25.0	28.2
50°	4.9	6.9	8.3	8.5	11.0	13.2	17.0	20.7	24.3	32.4	40.3
47.5°	4.9	7.1	8.7	8.8	11.8	15.3	19.3	24.1	31.9	40.5	54.7
45°	4.9	7.2	9.1	9.5	12.7	17.5	22.5	27.7	40.2	55.0	70.4
42.5°	4.9	7.3	9.5	10.2	13.6	19.8	25.6	33.8	49.0	70.5	95.8
40°	4.9	7.4	9.9	11.2	15.0	22.1	29.0	41.9	60.4	87.1	124.5
37.5°	4.9	7.5	10.3	12.4	16.9	24.5	32.7	50.2	76.6	108.6	155.3
35°	4.9	7.6	10.8	13.6	18.7	27.3	36.4	58.8	93.6	137.4	189.8
32.5°	4.9	7.8	11.3	14.8	20.5	30.3	41.3	67.7	111.3	166.6	226.4
30°	4.9	7.9	11.8	16.1	22.4	33.3	48.5	78.0	129.7	196.2	261.3
27.5°	4.9	8.0	12.3	17.4	24.7	36.3	55.7	91.6	148.6	225.9	294.3
25°	4.9	8.1	12.8	18.7	27.1	39.2	62.7	104.4	168.5	254.1	325.6
22.5°	4.9	8.2	13.3	20.1	29.4	42.2	69.6	116.5	186.7	273.2	359.6
20°	4.9	8.3	13.8	21.4	31.6	45.4	76.3	127.8	203.4	290.9	386.0
17.5°	4.9	8.3	14.3	22.7	33.7	48.4	82.4	138.3	218.5	307.2	411.1
15°	4.9	8.4	14.8	24.1	35.8	51.4	87.9	147.5	232.0	322.0	435.1
12.5°	4.9	8.5	15.3	25.4	37.7	54.1	93.0	155.3	244.7	335.2	457.8
10°	4.9	8.6	15.8	26.7	39.6	56.8	97.5	162.3	256.8	351.6	481.3
7.5°	4.9	8.6	16.3	27.9	41.4	59.2	101.5	168.4	267.7	367.5	508.0
5°	4.9	8.7	16.8	29.1	43.0	61.5	105.1	173.5	277.2	382.0	532.5
2.5°	4.9	8.8	17.2	30.2	44.6	63.7	108.1	177.7	285.2	395.0	554.5
0°	4.9	8.8	17.6	31.3	46.0	65.6	110.6	181.0	291.6	406.1	573.5
-2.5°	4.9	9.2	18.5	32.7	48.0	68.3	114.1	187.6	300.5	417.8	583.5
-5°	4.9	9.6	19.4	34.0	49.9	70.8	117.1	193.1	307.5	427.4	590.1
-7.5°	4.9	9.9	20.3	35.2	51.7	73.1	119.6	197.4	312.6	434.6	593.7
-10°	4.9	10.3	21.1	36.3	53.3	75.2	121.4	200.4	315.7	439.4	594.3
-12.5°	4.9	10.6	21.8	37.3	54.8	77.1	122.6	201.9	316.7	441.4	593.6
-15°	4.9	10.9	22.5	38.3	56.1	78.7	123.2	201.9	314.4	437.8	589.5
-17.5°	4.9	11.2	23.2	39.1	57.3	80.0	123.2	199.9	308.6	431.7	580.8
-20°	4.9	11.5	23.7	39.9	58.3	81.1	122.7	196.1	300.8	422.9	567.2



REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.9	11.8	24.3	40.6	59.2	82.0	121.8	191.0	291.1	411.5	549.1
-25°	4.9	12.0	24.7	41.1	59.8	82.7	120.1	184.6	279.4	397.3	531.4
-27.5°	4.9	12.2	25.1	41.6	60.3	83.2	117.7	176.9	265.8	385.7	518.9
-30°	4.9	12.5	25.5	42.0	60.7	83.5	114.6	168.0	255.0	372.7	503.3
-32.5°	4.9	12.6	25.8	42.2	61.1	83.5	110.7	162.3	245.8	356.9	484.4
-35°	4.9	12.8	26.0	42.4	61.4	83.2	109.2	157.5	234.4	338.2	462.0
-37.5°	4.9	12.9	26.1	42.5	61.6	82.9	108.5	152.0	220.8	316.7	437.7
-40°	4.9	13.0	26.1	42.4	61.5	82.9	107.6	145.2	204.8	297.2	410.5
-42.5°	4.9	13.1	26.1	42.4	61.5	82.6	106.3	137.1	192.8	276.3	379.6
-45°	4.9	13.2	26.0	42.4	61.4	82.2	104.6	130.8	182.0	252.7	346.2
-47.5°	4.9	13.2	25.9	42.2	61.2	81.5	102.5	128.3	169.5	226.6	316.4
-50°	4.9	13.2	25.7	42.0	60.9	80.7	101.2	125.4	155.4	210.4	283.4
-52.5°	4.9	13.2	25.4	41.7	60.3	79.6	99.7	121.9	148.0	192.6	248.2
-55°	4.9	13.2	25.0	41.3	59.6	78.5	98.0	118.2	143.4	173.2	224.6
-57.5°	4.9	13.1	24.5	40.7	58.8	77.2	96.0	115.8	138.1	163.9	199.8
-60°	4.9	13.0	24.0	40.1	57.8	75.7	93.8	113.1	132.9	157.1	179.5
-62.5°	4.9	12.9	23.7	39.3	56.6	74.0	91.5	110.0	129.0	149.4	170.2
-65°	4.9	12.7	23.2	38.4	55.4	72.0	88.9	106.5	124.7	143.1	160.4
-67.5°	4.9	12.6	22.7	37.5	53.9	69.9	86.0	102.9	120.0	136.9	152.4
-70°	4.9	12.4	22.1	36.4	52.4	67.6	82.9	99.0	115.4	130.4	144.8
-72.5°	4.9	12.2	21.4	35.4	50.6	65.1	79.7	94.9	110.6	124.2	137.1
-75°	4.9	12.0	20.7	34.4	48.8	62.5	76.4	90.6	105.5	117.8	129.6
-77.5°	4.9	11.7	20.0	33.4	47.2	59.7	72.9	86.1	99.9	111.1	121.9
-80°	4.9	11.5	19.2	32.2	45.6	57.4	69.1	81.4	94.1	103.9	113.6
-82.5°	4.9	11.2	18.4	31.0	43.9	55.2	66.4	76.9	88.0	96.5	105.0
-85°	4.9	10.9	17.5	29.7	42.1	52.9	63.6	73.1	82.9	90.1	97.2
-87.5°	4.9	10.6	16.6	28.4	40.2	50.4	60.7	69.1	77.7	84.2	90.7
-90°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9



REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	88.6	93.0	96.9	100.8	105.2	109.6	114.5	119.4	124.3	129.2	133.1
87.5°	4.6	4.4	4.4	4.5	4.2	3.9	3.9	3.9	3.4	2.9	2.9
85°	4.9	4.9	4.9	4.9	4.5	4.2	4.1	3.9	3.6	3.4	3.5
82.5°	5.3	5.4	5.2	4.9	4.8	4.8	4.5	4.1	4.1	4.2	4.1
80°	5.7	5.9	5.5	5.2	5.1	4.9	4.8	4.7	4.8	4.9	4.6
77.5°	6.1	6.0	5.8	5.8	5.5	5.2	5.3	5.4	5.3	5.0	4.9
75°	6.4	6.1	6.0	6.0	5.8	5.8	5.9	5.9	5.7	5.6	5.4
72.5°	6.8	6.6	6.4	6.1	6.1	6.0	5.9	5.9	6.8	8.2	9.2
70°	7.3	7.1	6.9	6.7	6.6	6.6	7.7	9.9	12.3	14.2	16.8
67.5°	7.8	7.8	7.5	7.5	8.0	9.1	10.9	17.3	23.9	26.2	27.3
65°	8.7	8.6	8.5	9.2	9.7	14.7	21.2	28.8	36.8	38.4	36.9
62.5°	9.8	10.9	10.6	12.3	16.8	22.8	31.0	39.7	48.9	46.8	39.0
60°	13.5	14.2	15.7	19.5	24.6	31.4	40.5	44.1	48.1	48.8	37.9
57.5°	18.2	20.2	23.9	27.9	34.6	38.4	39.7	39.8	45.4	45.7	34.8
55°	25.3	28.7	34.4	39.1	43.4	39.2	39.1	42.7	44.6	41.3	30.9
52.5°	36.4	40.0	48.8	52.3	50.0	46.6	45.7	48.8	47.0	42.0	35.7
50°	48.7	59.2	65.0	67.9	62.4	61.7	56.7	59.6	61.4	58.6	61.3
47.5°	68.6	81.3	86.0	90.3	85.8	90.6	85.8	99.8	100.1	134.6	138.6
45°	92.8	110.0	115.5	125.4	133.0	137.4	164.7	166.5	239.7	268.4	330.1
42.5°	121.1	143.5	163.0	167.8	214.0	236.0	274.6	345.3	412.8	471.0	503.9
40°	157.4	181.2	222.0	267.5	319.9	371.5	429.0	511.9	583.3	614.7	631.2
37.5°	197.2	243.0	297.3	373.4	451.3	510.6	578.9	656.8	704.3	720.9	724.7
35°	239.9	306.0	396.8	476.8	560.2	639.8	703.6	778.1	794.0	807.3	880.7
32.5°	291.9	368.9	476.1	565.8	650.2	741.5	805.9	850.0	875.4	923.9	1163.0
30°	344.0	434.4	540.4	635.7	734.2	820.9	882.4	925.2	954.2	1183.0	1679.6
27.5°	386.8	490.7	596.0	706.7	815.6	902.6	961.6	1000.6	1169.5	1548.7	2313.4
25°	425.7	534.9	651.6	785.2	899.8	980.3	1040.9	1079.4	1457.2	2231.4	2761.8
22.5°	462.2	577.7	714.5	868.2	983.5	1051.9	1110.1	1319.3	1891.4	2923.2	3208.5
20°	497.8	629.0	782.9	938.4	1062.0	1112.7	1173.7	1588.2	2449.9	3189.5	3502.0
17.5°	534.7	681.8	847.3	992.4	1102.9	1166.8	1264.6	1849.1	2921.5	3422.7	3648.7
15°	571.6	731.5	899.8	1040.0	1143.2	1219.9	1472.6	2222.9	3213.7	3678.9	3891.8
12.5°	607.8	775.0	939.3	1080.8	1185.4	1270.2	1663.0	2609.3	3477.6	3930.4	4212.2
10°	642.6	812.6	973.0	1120.2	1226.8	1319.0	1855.2	2987.1	3716.0	4094.4	4330.7
7.5°	673.0	843.3	1002.2	1157.9	1265.3	1366.9	2066.0	3237.6	3817.5	4198.7	4390.7
5°	699.0	867.6	1031.8	1200.0	1305.4	1411.1	2257.4	3402.9	3856.1	4262.9	4453.5
2.5°	720.9	887.2	1057.3	1239.4	1344.8	1448.5	2391.6	3507.6	3882.3	4287.6	4515.1
0°	738.8	902.3	1078.4	1274.1	1380.8	1481.6	2491.5	3558.1	3890.9	4278.4	4572.9
-2.5°	750.4	924.4	1117.5	1307.5	1410.3	1509.4	2487.3	3587.8	3901.5	4327.8	4796.6
-5°	758.2	941.6	1150.3	1335.8	1437.0	1533.8	2444.8	3566.2	3925.1	4402.9	4942.8
-7.5°	762.1	953.2	1175.5	1358.5	1462.1	1561.1	2392.2	3516.0	4045.7	4557.4	5034.5
-10°	763.4	960.0	1180.6	1369.5	1485.5	1588.1	2305.6	3410.5	4140.9	4622.1	5061.1
-12.5°	768.5	963.3	1177.9	1374.0	1505.3	1612.8	2198.5	3340.7	4269.0	4662.0	5051.4
-15°	768.0	962.1	1170.1	1372.7	1529.6	1645.7	2056.1	3176.0	4347.0	4670.9	5025.4
-17.5°	761.6	956.5	1158.1	1368.0	1552.7	1670.4	1855.4	2836.8	4124.0	4631.3	4994.6
-20°	748.8	944.5	1141.1	1353.2	1565.6	1693.2	1831.4	2540.0	3665.2	4526.6	4936.7



REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	730.4	927.0	1120.4	1328.3	1559.5	1719.0	1848.1	2251.2	3211.9	4371.3	4842.8
-25°	709.0	902.4	1096.5	1314.9	1550.5	1743.8	1851.6	1982.9	2817.7	3857.4	4681.1
-27.5°	685.3	872.1	1070.2	1286.4	1536.4	1739.3	1850.2	1974.1	2397.9	3225.2	4423.5
-30°	657.8	838.1	1033.8	1245.0	1486.9	1692.5	1845.8	1948.3	2077.8	2729.3	3751.3
-32.5°	627.4	799.6	990.5	1198.1	1423.2	1640.2	1820.3	1927.6	2041.2	2264.3	3088.1
-35°	597.5	762.4	942.8	1144.2	1358.2	1569.3	1753.4	1905.9	2001.3	2126.7	2502.6
-37.5°	569.8	720.8	890.5	1085.2	1292.2	1481.1	1680.3	1845.5	1976.1	2067.0	2219.1
-40°	537.8	674.2	836.9	1019.2	1205.2	1384.9	1574.4	1760.2	1920.6	2040.4	2131.0
-42.5°	501.7	632.1	779.3	941.3	1113.1	1284.2	1463.4	1647.5	1823.5	1981.4	2093.8
-45°	462.7	585.2	717.6	864.6	1017.2	1180.2	1350.8	1525.0	1699.7	1873.8	2012.5
-47.5°	417.5	533.5	659.2	782.8	923.5	1073.3	1231.9	1395.6	1557.2	1725.3	1884.8
-50°	370.5	477.7	592.5	706.6	828.7	964.1	1109.3	1262.3	1415.5	1570.7	1724.5
-52.5°	327.8	416.9	522.7	630.3	738.1	853.9	985.3	1124.9	1269.4	1415.8	1550.3
-55°	282.3	362.5	449.4	550.1	651.3	752.0	858.8	985.1	1116.1	1251.9	1372.5
-57.5°	247.3	307.6	382.6	465.9	560.0	655.3	749.1	843.9	960.9	1081.6	1183.1
-60°	218.2	261.8	319.2	389.6	464.5	552.6	640.7	728.8	819.3	905.8	999.5
-62.5°	191.6	227.1	267.5	316.7	381.7	449.7	528.0	609.1	692.0	766.5	835.4
-65°	180.2	197.2	227.5	264.2	301.5	359.7	422.3	486.2	558.1	624.1	686.2
-67.5°	168.0	183.8	199.6	218.9	252.4	286.8	321.4	377.8	434.1	485.2	535.8
-70°	158.3	170.5	184.4	198.5	213.0	232.7	263.6	295.5	327.3	362.6	405.4
-72.5°	148.8	159.7	170.8	181.9	194.7	208.3	222.5	236.9	259.0	286.1	310.6
-75°	139.6	148.7	158.7	168.8	179.0	189.3	200.8	214.2	227.4	240.5	252.9
-77.5°	130.8	139.1	147.4	156.0	164.8	174.0	184.0	194.5	205.4	216.2	225.8
-80°	121.5	129.3	136.5	143.8	151.7	159.6	168.0	176.6	186.2	196.1	204.8
-82.5°	111.5	118.0	124.6	131.0	138.3	145.6	152.8	160.0	167.8	175.8	183.0
-85°	102.0	106.6	112.2	117.8	124.3	130.8	136.9	143.0	149.8	156.6	162.2
-87.5°	95.3	99.8	104.2	108.6	113.8	119.0	124.0	129.0	134.7	140.4	144.7
-90°	4.4	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.4	2.9	2.9



REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	137.0	140.0	142.9	144.4	145.8	148.8	151.7	156.1	160.5	165.4	170.3
87.5°	2.9	2.9	2.9	2.8	2.8	2.4	2.0	2.0	2.0	2.0	2.0
85°	3.5	3.6	3.6	3.3	2.9	2.8	2.8	2.8	2.8	2.4	2.0
82.5°	3.9	3.9	3.9	3.7	3.6	3.3	2.9	2.9	2.9	2.9	2.9
80°	4.2	4.1	3.9	3.9	3.9	3.8	3.7	3.3	2.9	3.3	3.8
77.5°	4.9	4.6	4.3	4.2	4.0	3.7	3.3	3.0	2.9	3.0	3.0
75°	5.1	5.2	5.8	6.0	5.8	5.3	4.4	4.3	4.5	4.3	3.9
72.5°	9.9	10.4	10.8	11.7	12.2	12.8	13.9	15.8	18.0	20.1	22.1
70°	20.0	22.8	23.5	23.5	23.5	24.2	25.2	26.4	27.9	29.2	30.3
67.5°	30.8	33.3	33.6	34.1	33.2	31.8	30.5	30.5	32.3	34.4	36.6
65°	37.6	35.1	33.3	32.8	32.2	30.6	28.0	26.2	25.7	25.4	25.4
62.5°	33.8	28.9	27.2	26.8	25.3	23.4	19.9	17.1	15.7	14.8	15.0
60°	29.3	23.5	20.0	18.5	16.1	13.7	11.6	9.4	8.8	8.6	8.6
57.5°	24.1	18.0	13.8	13.2	11.4	9.0	7.4	5.9	5.6	5.6	6.0
55°	22.1	18.9	15.8	14.8	12.6	11.6	10.0	7.9	7.4	8.0	8.7
52.5°	28.7	26.9	25.4	25.5	28.2	26.1	19.5	27.3	31.7	31.7	30.3
50°	62.8	56.5	80.6	77.6	97.0	110.0	99.8	112.1	129.6	142.0	150.6
47.5°	179.3	186.0	214.8	239.9	260.1	282.7	305.5	319.4	322.9	345.8	361.4
45°	361.1	382.9	415.0	431.2	463.0	500.5	526.9	538.7	607.9	693.9	749.5
42.5°	524.2	540.9	566.1	623.5	681.6	810.3	957.9	963.0	1096.4	1214.5	1335.3
40°	638.2	669.7	759.5	895.5	1209.4	1454.4	1628.6	1799.5	1827.9	1772.5	1802.7
37.5°	785.8	898.2	1126.0	1492.8	1764.5	2010.5	2109.5	2122.3	2156.8	2178.5	2144.1
35°	1063.9	1438.6	1627.5	1939.4	2137.0	2184.9	2214.9	2244.4	2272.7	2291.9	2313.0
32.5°	1673.2	2137.3	2162.2	2242.4	2279.3	2321.9	2353.6	2372.1	2384.9	2401.8	2459.1
30°	2328.1	2436.1	2445.1	2438.7	2451.4	2480.1	2500.8	2534.6	2568.3	2607.1	2734.2
27.5°	2633.8	2716.6	2690.8	2646.6	2624.7	2647.5	2704.1	2756.7	2854.6	2957.7	3140.0
25°	2972.3	3027.1	2995.6	2917.2	2868.1	2900.5	2985.4	3085.7	3273.0	3438.1	3773.6
22.5°	3334.8	3436.7	3403.7	3380.4	3276.9	3292.4	3359.4	3585.7	4054.2	4795.7	6335.5
20°	3615.9	3740.5	3756.3	3756.9	3735.1	3741.4	3897.1	4627.2	5996.7	10300.1	14115.0
17.5°	3824.3	3897.4	3985.2	4021.2	4063.9	4188.4	5018.6	7544.4	13458.5	21373.5	27434.5
15°	4094.4	4188.0	4283.1	4343.3	4439.7	5124.5	7247.6	15004.8	25759.3	39193.2	56364.2
12.5°	4310.7	4426.0	4501.5	4549.2	4771.5	6573.0	13959.7	25127.0	41906.5	62752.6	93676.9
10°	4430.4	4520.3	4623.2	4788.5	5695.1	9534.3	19686.0	35309.8	61103.6	98652.7	139841.1
7.5°	4489.9	4606.3	4778.5	5029.6	6740.7	13918.4	27386.9	49839.9	85070.5	131826.5	189216.3
5°	4559.3	4774.3	4979.3	5266.8	7552.6	17083.9	33508.3	62232.3	105967.0	163163.9	234040.6
2.5°	4671.3	4994.7	5126.9	5403.1	8041.8	19121.7	37158.7	71925.0	121570.9	188736.2	268312.2
0°	4847.9	5117.0	5196.3	5474.2	8534.2	20129.5	39302.9	74582.9	128521.6	198694.9	281810.1
-2.5°	5047.5	5215.5	5303.4	5613.2	8781.5	21157.7	40989.9	76368.7	126866.2	195377.5	276739.1
-5°	5177.7	5311.1	5396.2	5699.0	8754.4	20129.5	39105.0	71118.1	117188.3	178466.0	251209.0
-7.5°	5266.3	5405.2	5494.3	5771.8	8236.8	17396.0	34539.4	61302.8	99589.8	149845.6	212677.2
-10°	5352.9	5504.6	5621.3	5840.5	7290.2	13280.0	27109.6	46248.5	77885.5	117871.6	164848.9
-12.5°	5431.0	5618.4	5768.6	5869.5	6401.0	10100.9	19922.3	35375.1	56061.3	85910.3	120286.9
-15°	5470.5	5694.7	5862.8	5974.1	6282.3	7986.9	12900.7	23408.2	39139.6	57654.3	80023.4
-17.5°	5402.4	5736.8	5898.6	6021.1	6122.5	6560.6	9100.0	14368.9	24194.5	36323.1	47250.2
-20°	5294.1	5741.5	5924.7	6089.6	6204.8	6324.2	6647.7	9150.6	13147.9	20588.7	27871.5



REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5202.6	5618.5	6001.0	6179.2	6311.8	6320.5	6330.5	6631.8	8192.5	10699.5	14552.1
-25°	5139.1	5532.8	5977.8	6253.7	6345.5	6348.9	6298.8	6242.8	6419.8	6597.6	8005.3
-27.5°	5031.7	5458.7	5877.0	6213.6	6349.6	6345.0	6307.0	6269.6	6208.3	6168.3	6320.1
-30°	4900.4	5329.4	5718.9	6057.4	6259.0	6321.0	6295.1	6267.3	6248.3	6235.0	6207.8
-32.5°	4200.4	5170.6	5498.7	5805.8	6093.7	6219.8	6275.9	6262.8	6245.8	6238.5	6243.3
-35°	3431.0	4432.7	5284.6	5503.5	5753.2	6004.1	6181.2	6221.2	6238.9	6235.7	6243.5
-37.5°	2630.7	3533.2	4370.1	5069.7	5370.4	5631.3	5888.5	6059.0	6161.3	6178.9	6203.0
-40°	2267.3	2522.5	3315.4	4018.6	4603.5	5142.1	5414.5	5709.1	5938.9	6031.4	6080.0
-42.5°	2171.3	2272.6	2376.7	2892.4	3498.1	4011.5	4520.2	5025.8	5445.4	5682.8	5837.2
-45°	2129.4	2185.9	2246.0	2329.0	2403.4	2837.0	3304.0	3796.7	4348.2	4760.1	5143.8
-47.5°	2007.5	2121.3	2178.7	2213.9	2240.1	2297.4	2348.6	2487.3	2946.3	3307.2	3707.6
-50°	1846.2	1961.9	2055.8	2139.2	2167.8	2181.0	2196.3	2242.5	2315.8	2369.1	2449.7
-52.5°	1659.5	1768.1	1872.7	1962.0	2025.9	2080.8	2133.3	2169.7	2199.4	2230.2	2259.4
-55°	1481.1	1573.6	1663.2	1747.1	1823.2	1886.6	1949.0	2008.3	2064.1	2116.5	2165.4
-57.5°	1285.4	1377.7	1460.2	1535.4	1600.3	1653.2	1714.8	1780.3	1841.5	1895.9	1949.0
-60°	1087.8	1171.9	1250.7	1321.9	1381.3	1428.0	1487.9	1546.6	1602.6	1653.3	1697.7
-62.5°	902.1	973.9	1041.8	1104.6	1160.9	1211.0	1261.2	1311.5	1364.5	1411.9	1453.7
-65°	745.2	802.5	850.7	895.5	933.3	978.7	1026.9	1072.0	1118.7	1162.6	1202.6
-67.5°	587.5	636.1	676.5	715.3	746.9	778.7	814.7	848.9	881.9	916.0	949.3
-70°	443.3	477.6	503.1	529.7	560.8	589.8	618.8	647.8	675.3	705.3	736.2
-72.5°	330.9	347.5	364.3	385.9	404.4	425.4	446.2	468.6	491.3	513.1	533.4
-75°	264.9	275.5	288.2	298.6	306.6	316.9	328.4	342.5	356.6	370.7	384.1
-77.5°	235.6	242.9	248.7	253.2	257.2	262.4	267.7	277.5	288.1	299.9	311.9
-80°	213.0	217.7	221.7	225.0	228.0	232.4	236.7	245.3	254.3	263.1	271.7
-82.5°	190.0	193.9	197.2	200.1	202.9	207.0	211.1	218.0	224.9	233.5	242.0
-85°	167.7	171.2	174.4	177.0	179.5	182.8	186.0	192.3	198.7	205.6	212.4
-87.5°	149.0	151.9	154.7	156.9	159.1	161.8	164.6	169.6	174.7	180.2	185.6
-90°	2.9	2.9	2.9	2.5	2.0	2.0	2.0	2.0	2.0	1.5	1.0



REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	170.8	171.3	171.3	171.3	171.3	171.3	170.8	170.3	165.4	160.5	156.1
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.8	2.8
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.3	2.9	3.3
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	2.9	3.0
75°	3.4	2.9	2.9	2.9	2.9	2.9	3.4	3.9	4.3	4.5	4.3
72.5°	24.0	25.7	26.7	27.4	26.7	25.7	24.0	22.1	20.1	18.0	15.8
70°	30.9	31.1	31.3	31.3	31.3	31.1	30.9	30.3	29.2	27.9	26.4
67.5°	38.0	38.7	39.0	39.1	39.0	38.7	38.0	36.6	34.4	32.3	30.5
65°	24.2	22.4	20.8	19.6	20.8	22.4	24.2	25.4	25.4	25.7	26.2
62.5°	14.6	14.1	13.8	13.7	13.8	14.1	14.6	15.0	14.8	15.7	17.1
60°	8.7	8.9	8.4	7.8	8.4	8.9	8.7	8.6	8.6	8.8	9.4
57.5°	6.4	6.8	7.3	7.8	7.3	6.8	6.4	6.0	5.6	5.6	5.9
55°	9.4	10.3	11.1	11.7	11.1	10.3	9.4	8.7	8.0	7.4	7.9
52.5°	27.3	24.5	23.7	24.5	23.7	24.5	27.3	30.3	31.7	31.7	27.3
50°	154.9	158.0	161.9	166.4	161.9	158.0	154.9	150.6	142.0	129.6	112.1
47.5°	365.9	358.9	352.4	350.3	352.4	358.9	365.9	361.4	345.8	322.9	319.4
45°	693.7	642.7	616.7	632.2	616.7	642.7	693.7	749.5	693.9	607.9	538.7
42.5°	1400.1	1475.7	1534.8	1562.8	1534.8	1475.7	1400.1	1335.3	1214.5	1096.4	963.0
40°	1755.3	1726.9	1742.2	1765.4	1742.2	1726.9	1755.3	1802.7	1772.5	1827.9	1799.5
37.5°	2161.0	2170.3	2102.1	1990.4	2102.1	2170.3	2161.0	2144.1	2178.5	2156.8	2122.3
35°	2357.6	2479.2	2707.0	2761.6	2707.0	2479.2	2357.6	2313.0	2291.9	2272.7	2244.4
32.5°	2603.8	2730.1	2768.8	2784.1	2768.8	2730.1	2603.8	2459.1	2401.8	2384.9	2372.1
30°	2898.1	2955.2	2940.8	2962.2	2940.8	2955.2	2898.1	2734.2	2607.1	2568.3	2534.6
27.5°	3220.5	3253.9	3243.0	3271.4	3243.0	3253.9	3220.5	3140.0	2957.7	2854.6	2756.7
25°	4052.8	4315.8	4302.1	4363.5	4302.1	4315.8	4052.8	3773.6	3438.1	3273.0	3085.7
22.5°	8210.1	9139.6	9696.2	10235.0	9696.2	9139.6	8210.1	6335.5	4795.7	4054.2	3585.7
20°	18344.1	21023.1	21606.3	21393.8	21606.3	21023.1	18344.1	14115.0	10300.1	5996.7	4627.2
17.5°	39376.4	50065.2	55804.5	56442.9	55804.5	50065.2	39376.4	27434.5	21373.5	13458.5	7544.4
15°	74103.8	92785.6	103392.6	104507.1	103392.6	92785.6	74103.8	56364.2	39193.2	25759.3	15004.8
12.5°	121141.8	150892.6	172733.1	175169.8	172733.1	150892.6	121141.8	93676.9	62752.6	41906.5	25127.0
10°	185573.0	225795.8	257602.7	265351.3	257602.7	225795.8	185573.0	139841.1	98652.7	61103.6	35309.8
7.5°	249881.9	295784.4	333218.8	342026.5	333218.8	295784.4	249881.9	189216.3	131826.5	85070.5	49839.9
5°	300154.2	358885.5	388758.7	398628.8	388758.7	358885.5	300154.2	234040.6	163163.9	105967.0	62232.3
2.5°	338474.1	393930.5	429000.9	443389.8	429000.9	393930.5	338474.1	268312.2	188736.2	121570.9	71925.0
0°	353266.4	407059.3	451719.5	479491.3	451719.5	407059.3	353266.4	281810.1	198694.9	128521.6	74582.9
-2.5°	347468.1	399261.2	437217.0	455232.2	437217.0	399261.2	347468.1	276739.1	195377.5	126866.2	76368.7
-5°	318155.5	370424.2	399770.7	409066.4	399770.7	370424.2	318155.5	251209.0	178466.0	117188.3	71118.1
-7.5°	269034.1	315042.2	349839.1	356076.5	349839.1	315042.2	269034.1	212677.2	149845.6	99589.8	61302.8
-10°	213225.8	253053.9	279599.3	284620.6	279599.3	253053.9	213225.8	164848.9	117871.6	77885.5	46248.5
-12.5°	151145.3	186130.0	207117.7	210990.4	207117.7	186130.0	151145.3	120286.9	85910.3	56061.3	35375.1
-15°	102710.8	124502.1	137222.6	138507.0	137222.6	124502.1	102710.8	80023.4	57654.3	39139.6	23408.2
-17.5°	64266.2	77228.3	85156.4	85229.9	85156.4	77228.3	64266.2	47250.2	36323.1	24194.5	14368.9
-20°	37206.4	43391.8	47827.4	47808.8	47827.4	43391.8	37206.4	27871.5	20588.7	13147.9	9150.6



REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19385.0	23061.2	25735.8	25613.5	25735.8	23061.2	19385.0	14552.1	10699.5	8192.5	6631.8
-25°	9518.9	10926.4	11863.1	11790.0	11863.1	10926.4	9518.9	8005.3	6597.6	6419.8	6242.8
-27.5°	6450.9	6605.8	6712.7	6723.9	6712.7	6605.8	6450.9	6320.1	6168.3	6208.3	6269.6
-30°	6197.3	6232.7	6270.0	6279.6	6270.0	6232.7	6197.3	6207.8	6235.0	6248.3	6267.3
-32.5°	6258.5	6286.2	6327.1	6353.0	6327.1	6286.2	6258.5	6243.3	6238.5	6245.8	6262.8
-35°	6263.0	6295.1	6342.5	6363.7	6342.5	6295.1	6263.0	6243.5	6235.7	6238.9	6221.2
-37.5°	6233.8	6273.1	6313.8	6332.4	6313.8	6273.1	6233.8	6203.0	6178.9	6161.3	6059.0
-40°	6123.2	6163.3	6193.1	6195.4	6193.1	6163.3	6123.2	6080.0	6031.4	5938.9	5709.1
-42.5°	5940.1	5989.7	6012.6	6008.5	6012.6	5989.7	5940.1	5837.2	5682.8	5445.4	5025.8
-45°	5507.7	5683.7	5770.1	5791.3	5770.1	5683.7	5507.7	5143.8	4760.1	4348.2	3796.7
-47.5°	4171.7	4429.7	4595.1	4661.0	4595.1	4429.7	4171.7	3707.6	3307.2	2946.3	2487.3
-50°	2555.2	2579.1	2594.9	2603.0	2594.9	2579.1	2555.2	2449.7	2369.1	2315.8	2242.5
-52.5°	2283.6	2290.5	2294.3	2294.8	2294.3	2290.5	2283.6	2259.4	2230.2	2199.4	2169.7
-55°	2200.7	2214.5	2223.1	2225.3	2223.1	2214.5	2200.7	2165.4	2116.5	2064.1	2008.3
-57.5°	1984.0	1991.9	2000.7	2006.1	2000.7	1991.9	1984.0	1949.0	1895.9	1841.5	1780.3
-60°	1724.4	1731.6	1733.0	1728.2	1733.0	1731.6	1724.4	1697.7	1653.3	1602.6	1546.6
-62.5°	1476.5	1483.3	1489.9	1492.3	1489.9	1483.3	1476.5	1453.7	1411.9	1364.5	1311.5
-65°	1221.2	1224.6	1226.1	1223.2	1226.1	1224.6	1221.2	1202.6	1162.6	1118.7	1072.0
-67.5°	965.0	971.7	981.1	987.4	981.1	971.7	965.0	949.3	916.0	881.9	848.9
-70°	743.4	740.4	746.7	751.6	746.7	740.4	743.4	736.2	705.3	675.3	647.8
-72.5°	536.0	532.8	530.6	526.5	530.6	532.8	536.0	533.4	513.1	491.3	468.6
-75°	383.3	379.5	378.8	377.7	378.8	379.5	383.3	384.1	370.7	356.6	342.5
-77.5°	312.1	310.6	308.6	306.3	308.6	310.6	312.1	311.9	299.9	288.1	277.5
-80°	272.5	272.5	271.5	270.1	271.5	272.5	272.5	271.7	263.1	254.3	245.3
-82.5°	242.4	242.4	241.6	240.7	241.6	242.4	242.4	242.0	233.5	224.9	218.0
-85°	212.8	213.1	212.3	211.4	212.3	213.1	212.8	212.4	205.6	198.7	192.3
-87.5°	186.3	186.8	186.4	185.9	186.4	186.8	186.3	185.6	180.2	174.7	169.6
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.0



REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	151.7	148.8	145.8	144.4	142.9	140.0	137.0	133.1	129.2	124.3	119.4
87.5°	2.0	2.4	2.8	2.8	2.9	2.9	2.9	2.9	2.9	3.4	3.9
85°	2.8	2.8	2.9	3.3	3.6	3.6	3.5	3.5	3.4	3.6	3.9
82.5°	2.9	3.3	3.6	3.7	3.9	3.9	3.9	4.1	4.2	4.1	4.1
80°	3.7	3.8	3.9	3.9	3.9	4.1	4.2	4.6	4.9	4.8	4.7
77.5°	3.3	3.7	4.0	4.2	4.3	4.6	4.9	4.9	5.0	5.3	5.4
75°	4.4	5.3	5.8	6.0	5.8	5.2	5.1	5.4	5.6	5.7	5.9
72.5°	13.9	12.8	12.2	11.7	10.8	10.4	9.9	9.2	8.2	6.8	5.9
70°	25.2	24.2	23.5	23.5	23.5	22.8	20.0	16.8	14.2	12.3	9.9
67.5°	30.5	31.8	33.2	34.1	33.6	33.3	30.8	27.3	26.2	23.9	17.3
65°	28.0	30.6	32.2	32.8	33.3	35.1	37.6	36.9	38.4	36.8	28.8
62.5°	19.9	23.4	25.3	26.8	27.2	28.9	33.8	39.0	46.8	48.9	39.7
60°	11.6	13.7	16.1	18.5	20.0	23.5	29.3	37.9	48.8	48.1	44.1
57.5°	7.4	9.0	11.4	13.2	13.8	18.0	24.1	34.8	45.7	45.4	39.8
55°	10.0	11.6	12.6	14.8	15.8	18.9	22.1	30.9	41.3	44.6	42.7
52.5°	19.5	26.1	28.2	25.5	25.4	26.9	28.7	35.7	42.0	47.0	48.8
50°	99.8	110.0	97.0	77.6	80.6	56.5	62.8	61.3	58.6	61.4	59.6
47.5°	305.5	282.7	260.1	239.9	214.8	186.0	179.3	138.6	134.6	100.1	99.8
45°	526.9	500.5	463.0	431.2	415.0	382.9	361.1	330.1	268.4	239.7	166.5
42.5°	957.9	810.3	681.6	623.5	566.1	540.9	524.2	503.9	471.0	412.8	345.3
40°	1628.6	1454.4	1209.4	895.5	759.5	669.7	638.2	631.2	614.7	583.3	511.9
37.5°	2109.5	2010.5	1764.5	1492.8	1126.0	898.2	785.8	724.7	720.9	704.3	656.8
35°	2214.9	2184.9	2137.0	1939.4	1627.5	1438.6	1063.9	880.7	807.3	794.0	778.1
32.5°	2353.6	2321.9	2279.3	2242.4	2162.2	2137.3	1673.2	1163.0	923.9	875.4	850.0
30°	2500.8	2480.1	2451.4	2438.7	2445.1	2436.1	2328.1	1679.6	1183.0	954.2	925.2
27.5°	2704.1	2647.5	2624.7	2646.6	2690.8	2716.6	2633.8	2313.4	1548.7	1169.5	1000.6
25°	2985.4	2900.5	2868.1	2917.2	2995.6	3027.1	2972.3	2761.8	2231.4	1457.2	1079.4
22.5°	3359.4	3292.4	3276.9	3380.4	3403.7	3436.7	3334.8	3208.5	2923.2	1891.4	1319.3
20°	3897.1	3741.4	3735.1	3756.9	3756.3	3740.5	3615.9	3502.0	3189.5	2449.9	1588.2
17.5°	5018.6	4188.4	4063.9	4021.2	3985.2	3897.4	3824.3	3648.7	3422.7	2921.5	1849.1
15°	7247.6	5124.5	4439.7	4343.3	4283.1	4188.0	4094.4	3891.8	3678.9	3213.7	2222.9
12.5°	13959.7	6573.0	4771.5	4549.2	4501.5	4426.0	4310.7	4212.2	3930.4	3477.6	2609.3
10°	19686.0	9534.3	5695.1	4788.5	4623.2	4520.3	4430.4	4330.7	4094.4	3716.0	2987.1
7.5°	27386.9	13918.4	6740.7	5029.6	4778.5	4606.3	4489.9	4390.7	4198.7	3817.5	3237.6
5°	33508.3	17083.9	7552.6	5266.8	4979.3	4774.3	4559.3	4453.5	4262.9	3856.1	3402.9
2.5°	37158.7	19121.7	8041.8	5403.1	5126.9	4994.7	4671.3	4515.1	4287.6	3882.3	3507.6
0°	39302.9	20129.5	8534.2	5474.2	5196.3	5117.0	4847.9	4572.9	4278.4	3890.9	3558.1
-2.5°	40989.9	21157.7	8781.5	5613.2	5303.4	5215.5	5047.5	4796.6	4327.8	3901.5	3587.8
-5°	39105.0	20129.5	8754.4	5699.0	5396.2	5311.1	5177.7	4942.8	4402.9	3925.1	3566.2
-7.5°	34539.4	17396.0	8236.8	5771.8	5494.3	5405.2	5266.3	5034.5	4557.4	4045.7	3516.0
-10°	27109.6	13280.0	7290.2	5840.5	5621.3	5504.6	5352.9	5061.1	4622.1	4140.9	3410.5
-12.5°	19922.3	10100.9	6401.0	5869.5	5768.6	5618.4	5431.0	5051.4	4662.0	4269.0	3340.7
-15°	12900.7	7986.9	6282.3	5974.1	5862.8	5694.7	5470.5	5025.4	4670.9	4347.0	3176.0
-17.5°	9100.0	6560.6	6122.5	6021.1	5898.6	5736.8	5402.4	4994.6	4631.3	4124.0	2836.8
-20°	6647.7	6324.2	6204.8	6089.6	5924.7	5741.5	5294.1	4936.7	4526.6	3665.2	2540.0



REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6330.5	6320.5	6311.8	6179.2	6001.0	5618.5	5202.6	4842.8	4371.3	3211.9	2251.2
-25°	6298.8	6348.9	6345.5	6253.7	5977.8	5532.8	5139.1	4681.1	3857.4	2817.7	1982.9
-27.5°	6307.0	6345.0	6349.6	6213.6	5877.0	5458.7	5031.7	4423.5	3225.2	2397.9	1974.1
-30°	6295.1	6321.0	6259.0	6057.4	5718.9	5329.4	4900.4	3751.3	2729.3	2077.8	1948.3
-32.5°	6275.9	6219.8	6093.7	5805.8	5498.7	5170.6	4200.4	3088.1	2264.3	2041.2	1927.6
-35°	6181.2	6004.1	5753.2	5503.5	5284.6	4432.7	3431.0	2502.6	2126.7	2001.3	1905.9
-37.5°	5888.5	5631.3	5370.4	5069.7	4370.1	3533.2	2630.7	2219.1	2067.0	1976.1	1845.5
-40°	5414.5	5142.1	4603.5	4018.6	3315.4	2522.5	2267.3	2131.0	2040.4	1920.6	1760.2
-42.5°	4520.2	4011.5	3498.1	2892.4	2376.7	2272.6	2171.3	2093.8	1981.4	1823.5	1647.5
-45°	3304.0	2837.0	2403.4	2329.0	2246.0	2185.9	2129.4	2012.5	1873.8	1699.7	1525.0
-47.5°	2348.6	2297.4	2240.1	2213.9	2178.7	2121.3	2007.5	1884.8	1725.3	1557.2	1395.6
-50°	2196.3	2181.0	2167.8	2139.2	2055.8	1961.9	1846.2	1724.5	1570.7	1415.5	1262.3
-52.5°	2133.3	2080.8	2025.9	1962.0	1872.7	1768.1	1659.5	1550.3	1415.8	1269.4	1124.9
-55°	1949.0	1886.6	1823.2	1747.1	1663.2	1573.6	1481.1	1372.5	1251.9	1116.1	985.1
-57.5°	1714.8	1653.2	1600.3	1535.4	1460.2	1377.7	1285.4	1183.1	1081.6	960.9	843.9
-60°	1487.9	1428.0	1381.3	1321.9	1250.7	1171.9	1087.8	999.5	905.8	819.3	728.8
-62.5°	1261.2	1211.0	1160.9	1104.6	1041.8	973.9	902.1	835.4	766.5	692.0	609.1
-65°	1026.9	978.7	933.3	895.5	850.7	802.5	745.2	686.2	624.1	558.1	486.2
-67.5°	814.7	778.7	746.9	715.3	676.5	636.1	587.5	535.8	485.2	434.1	377.8
-70°	618.8	589.8	560.8	529.7	503.1	477.6	443.3	405.4	362.6	327.3	295.5
-72.5°	446.2	425.4	404.4	385.9	364.3	347.5	330.9	310.6	286.1	259.0	236.9
-75°	328.4	316.9	306.6	298.6	288.2	275.5	264.9	252.9	240.5	227.4	214.2
-77.5°	267.7	262.4	257.2	253.2	248.7	242.9	235.6	225.8	216.2	205.4	194.5
-80°	236.7	232.4	228.0	225.0	221.7	217.7	213.0	204.8	196.1	186.2	176.6
-82.5°	211.1	207.0	202.9	200.1	197.2	193.9	190.0	183.0	175.8	167.8	160.0
-85°	186.0	182.8	179.5	177.0	174.4	171.2	167.7	162.2	156.6	149.8	143.0
-87.5°	164.6	161.8	159.1	156.9	154.7	151.9	149.0	144.7	140.4	134.7	129.0
-90°	2.0	2.0	2.0	2.5	2.9	2.9	2.9	2.9	2.9	3.4	3.9



REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	114.5	109.6	105.2	100.8	96.9	93.0	88.6	84.2	78.3	72.4	65.1
87.5°	3.9	3.9	4.2	4.5	4.4	4.4	4.6	4.9	4.9	4.9	5.1
85°	4.1	4.2	4.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.2
82.5°	4.5	4.8	4.8	4.9	5.2	5.4	5.3	5.2	5.1	5.0	5.4
80°	4.8	4.9	5.1	5.2	5.5	5.9	5.7	5.6	5.7	5.7	5.7
77.5°	5.3	5.2	5.5	5.8	5.8	6.0	6.1	6.1	6.3	6.3	6.2
75°	5.9	5.8	5.8	6.0	6.0	6.1	6.4	6.6	6.8	6.9	6.6
72.5°	5.9	6.0	6.1	6.1	6.4	6.6	6.8	7.0	7.2	7.3	7.0
70°	7.7	6.6	6.6	6.7	6.9	7.1	7.3	7.5	7.6	7.7	7.5
67.5°	10.9	9.1	8.0	7.5	7.5	7.8	7.8	8.1	8.3	8.1	8.0
65°	21.2	14.7	9.7	9.2	8.5	8.6	8.7	9.0	9.1	9.1	8.5
62.5°	31.0	22.8	16.8	12.3	10.6	10.9	9.8	10.5	10.1	10.3	9.5
60°	40.5	31.4	24.6	19.5	15.7	14.2	13.5	12.3	12.1	11.5	10.9
57.5°	39.7	38.4	34.6	27.9	23.9	20.2	18.2	16.4	14.6	13.9	12.4
55°	39.1	39.2	43.4	39.1	34.4	28.7	25.3	22.0	18.1	16.8	14.3
52.5°	45.7	46.6	50.0	52.3	48.8	40.0	36.4	28.2	25.0	19.9	17.3
50°	56.7	61.7	62.4	67.9	65.0	59.2	48.7	40.3	32.4	24.3	20.7
47.5°	85.8	90.6	85.8	90.3	86.0	81.3	68.6	54.7	40.5	31.9	24.1
45°	164.7	137.4	133.0	125.4	115.5	110.0	92.8	70.4	55.0	40.2	27.7
42.5°	274.6	236.0	214.0	167.8	163.0	143.5	121.1	95.8	70.5	49.0	33.8
40°	429.0	371.5	319.9	267.5	222.0	181.2	157.4	124.5	87.1	60.4	41.9
37.5°	578.9	510.6	451.3	373.4	297.3	243.0	197.2	155.3	108.6	76.6	50.2
35°	703.6	639.8	560.2	476.8	396.8	306.0	239.9	189.8	137.4	93.6	58.8
32.5°	805.9	741.5	650.2	565.8	476.1	368.9	291.9	226.4	166.6	111.3	67.7
30°	882.4	820.9	734.2	635.7	540.4	434.4	344.0	261.3	196.2	129.7	78.0
27.5°	961.6	902.6	815.6	706.7	596.0	490.7	386.8	294.3	225.9	148.6	91.6
25°	1040.9	980.3	899.8	785.2	651.6	534.9	425.7	325.6	254.1	168.5	104.4
22.5°	1110.1	1051.9	983.5	868.2	714.5	577.7	462.2	359.6	273.2	186.7	116.5
20°	1173.7	1112.7	1062.0	938.4	782.9	629.0	497.8	386.0	290.9	203.4	127.8
17.5°	1264.6	1166.8	1102.9	992.4	847.3	681.8	534.7	411.1	307.2	218.5	138.3
15°	1472.6	1219.9	1143.2	1040.0	899.8	731.5	571.6	435.1	322.0	232.0	147.5
12.5°	1663.0	1270.2	1185.4	1080.8	939.3	775.0	607.8	457.8	335.2	244.7	155.3
10°	1855.2	1319.0	1226.8	1120.2	973.0	812.6	642.6	481.3	351.6	256.8	162.3
7.5°	2066.0	1366.9	1265.3	1157.9	1002.2	843.3	673.0	508.0	367.5	267.7	168.4
5°	2257.4	1411.1	1305.4	1200.0	1031.8	867.6	699.0	532.5	382.0	277.2	173.5
2.5°	2391.6	1448.5	1344.8	1239.4	1057.3	887.2	720.9	554.5	395.0	285.2	177.7
0°	2491.5	1481.6	1380.8	1274.1	1078.4	902.3	738.8	573.5	406.1	291.6	181.0
-2.5°	2487.3	1509.4	1410.3	1307.5	1117.5	924.4	750.4	583.5	417.8	300.5	187.6
-5°	2444.8	1533.8	1437.0	1335.8	1150.3	941.6	758.2	590.1	427.4	307.5	193.1
-7.5°	2392.2	1561.1	1462.1	1358.5	1175.5	953.2	762.1	593.7	434.6	312.6	197.4
-10°	2305.6	1588.1	1485.5	1369.5	1180.6	960.0	763.4	594.3	439.4	315.7	200.4
-12.5°	2198.5	1612.8	1505.3	1374.0	1177.9	963.3	768.5	593.6	441.4	316.7	201.9
-15°	2056.1	1645.7	1529.6	1372.7	1170.1	962.1	768.0	589.5	437.8	314.4	201.9
-17.5°	1855.4	1670.4	1552.7	1368.0	1158.1	956.5	761.6	580.8	431.7	308.6	199.9
-20°	1831.4	1693.2	1565.6	1353.2	1141.1	944.5	748.8	567.2	422.9	300.8	196.1



REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1848.1	1719.0	1559.5	1328.3	1120.4	927.0	730.4	549.1	411.5	291.1	191.0
-25°	1851.6	1743.8	1550.5	1314.9	1096.5	902.4	709.0	531.4	397.3	279.4	184.6
-27.5°	1850.2	1739.3	1536.4	1286.4	1070.2	872.1	685.3	518.9	385.7	265.8	176.9
-30°	1845.8	1692.5	1486.9	1245.0	1033.8	838.1	657.8	503.3	372.7	255.0	168.0
-32.5°	1820.3	1640.2	1423.2	1198.1	990.5	799.6	627.4	484.4	356.9	245.8	162.3
-35°	1753.4	1569.3	1358.2	1144.2	942.8	762.4	597.5	462.0	338.2	234.4	157.5
-37.5°	1680.3	1481.1	1292.2	1085.2	890.5	720.8	569.8	437.7	316.7	220.8	152.0
-40°	1574.4	1384.9	1205.2	1019.2	836.9	674.2	537.8	410.5	297.2	204.8	145.2
-42.5°	1463.4	1284.2	1113.1	941.3	779.3	632.1	501.7	379.6	276.3	192.8	137.1
-45°	1350.8	1180.2	1017.2	864.6	717.6	585.2	462.7	346.2	252.7	182.0	130.8
-47.5°	1231.9	1073.3	923.5	782.8	659.2	533.5	417.5	316.4	226.6	169.5	128.3
-50°	1109.3	964.1	828.7	706.6	592.5	477.7	370.5	283.4	210.4	155.4	125.4
-52.5°	985.3	853.9	738.1	630.3	522.7	416.9	327.8	248.2	192.6	148.0	121.9
-55°	858.8	752.0	651.3	550.1	449.4	362.5	282.3	224.6	173.2	143.4	118.2
-57.5°	749.1	655.3	560.0	465.9	382.6	307.6	247.3	199.8	163.9	138.1	115.8
-60°	640.7	552.6	464.5	389.6	319.2	261.8	218.2	179.5	157.1	132.9	113.1
-62.5°	528.0	449.7	381.7	316.7	267.5	227.1	191.6	170.2	149.4	129.0	110.0
-65°	422.3	359.7	301.5	264.2	227.5	197.2	180.2	160.4	143.1	124.7	106.5
-67.5°	321.4	286.8	252.4	218.9	199.6	183.8	168.0	152.4	136.9	120.0	102.9
-70°	263.6	232.7	213.0	198.5	184.4	170.5	158.3	144.8	130.4	115.4	99.0
-72.5°	222.5	208.3	194.7	181.9	170.8	159.7	148.8	137.1	124.2	110.6	94.9
-75°	200.8	189.3	179.0	168.8	158.7	148.7	139.6	129.6	117.8	105.5	90.6
-77.5°	184.0	174.0	164.8	156.0	147.4	139.1	130.8	121.9	111.1	99.9	86.1
-80°	168.0	159.6	151.7	143.8	136.5	129.3	121.5	113.6	103.9	94.1	81.4
-82.5°	152.8	145.6	138.3	131.0	124.6	118.0	111.5	105.0	96.5	88.0	76.9
-85°	136.9	130.8	124.3	117.8	112.2	106.6	102.0	97.2	90.1	82.9	73.1
-87.5°	124.0	119.0	113.8	108.6	104.2	99.8	95.3	90.7	84.2	77.7	69.1
-90°	3.9	3.9	3.9	3.9	3.9	3.9	4.4	4.9	4.9	4.9	4.9



REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	57.7	47.9	38.2	26.9	15.7	10.3	4.9
87.5°	5.2	5.1	5.1	5.1	5.1	5.0	4.9
85°	5.4	5.3	5.2	5.3	5.2	5.2	4.9
82.5°	5.7	5.5	5.4	5.5	5.4	5.3	4.9
80°	5.9	5.8	5.6	5.7	5.6	5.4	4.9
77.5°	6.2	6.0	5.8	5.9	5.8	5.5	4.9
75°	6.5	6.3	6.0	6.1	6.0	5.7	4.9
72.5°	6.8	6.7	6.4	6.3	6.2	5.8	4.9
70°	7.1	7.0	6.7	6.5	6.3	5.9	4.9
67.5°	7.7	7.4	7.0	6.8	6.5	6.1	4.9
65°	8.3	7.8	7.4	7.0	6.7	6.2	4.9
62.5°	8.9	8.4	7.7	7.3	6.9	6.3	4.9
60°	9.5	9.0	8.0	7.5	7.2	6.4	4.9
57.5°	11.1	9.6	8.7	7.8	7.4	6.6	4.9
55°	12.9	10.3	9.4	8.0	7.7	6.7	4.9
52.5°	14.9	11.1	10.2	8.3	8.0	6.8	4.9
50°	17.0	13.2	11.0	8.5	8.3	6.9	4.9
47.5°	19.3	15.3	11.8	8.8	8.7	7.1	4.9
45°	22.5	17.5	12.7	9.5	9.1	7.2	4.9
42.5°	25.6	19.8	13.6	10.2	9.5	7.3	4.9
40°	29.0	22.1	15.0	11.2	9.9	7.4	4.9
37.5°	32.7	24.5	16.9	12.4	10.3	7.5	4.9
35°	36.4	27.3	18.7	13.6	10.8	7.6	4.9
32.5°	41.3	30.3	20.5	14.8	11.3	7.8	4.9
30°	48.5	33.3	22.4	16.1	11.8	7.9	4.9
27.5°	55.7	36.3	24.7	17.4	12.3	8.0	4.9
25°	62.7	39.2	27.1	18.7	12.8	8.1	4.9
22.5°	69.6	42.2	29.4	20.1	13.3	8.2	4.9
20°	76.3	45.4	31.6	21.4	13.8	8.3	4.9
17.5°	82.4	48.4	33.7	22.7	14.3	8.3	4.9
15°	87.9	51.4	35.8	24.1	14.8	8.4	4.9
12.5°	93.0	54.1	37.7	25.4	15.3	8.5	4.9
10°	97.5	56.8	39.6	26.7	15.8	8.6	4.9
7.5°	101.5	59.2	41.4	27.9	16.3	8.6	4.9
5°	105.1	61.5	43.0	29.1	16.8	8.7	4.9
2.5°	108.1	63.7	44.6	30.2	17.2	8.8	4.9
0°	110.6	65.6	46.0	31.3	17.6	8.8	4.9
-2.5°	114.1	68.3	48.0	32.7	18.5	9.2	4.9
-5°	117.1	70.8	49.9	34.0	19.4	9.6	4.9
-7.5°	119.6	73.1	51.7	35.2	20.3	9.9	4.9
-10°	121.4	75.2	53.3	36.3	21.1	10.3	4.9
-12.5°	122.6	77.1	54.8	37.3	21.8	10.6	4.9
-15°	123.2	78.7	56.1	38.3	22.5	10.9	4.9
-17.5°	123.2	80.0	57.3	39.1	23.2	11.2	4.9
-20°	122.7	81.1	58.3	39.9	23.7	11.5	4.9



REPORT NUMBER: P1305720 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	121.8	82.0	59.2	40.6	24.3	11.8	4.9
-25°	120.1	82.7	59.8	41.1	24.7	12.0	4.9
-27.5°	117.7	83.2	60.3	41.6	25.1	12.2	4.9
-30°	114.6	83.5	60.7	42.0	25.5	12.5	4.9
-32.5°	110.7	83.5	61.1	42.2	25.8	12.6	4.9
-35°	109.2	83.2	61.4	42.4	26.0	12.8	4.9
-37.5°	108.5	82.9	61.6	42.5	26.1	12.9	4.9
-40°	107.6	82.9	61.5	42.4	26.1	13.0	4.9
-42.5°	106.3	82.6	61.5	42.4	26.1	13.1	4.9
-45°	104.6	82.2	61.4	42.4	26.0	13.2	4.9
-47.5°	102.5	81.5	61.2	42.2	25.9	13.2	4.9
-50°	101.2	80.7	60.9	42.0	25.7	13.2	4.9
-52.5°	99.7	79.6	60.3	41.7	25.4	13.2	4.9
-55°	98.0	78.5	59.6	41.3	25.0	13.2	4.9
-57.5°	96.0	77.2	58.8	40.7	24.5	13.1	4.9
-60°	93.8	75.7	57.8	40.1	24.0	13.0	4.9
-62.5°	91.5	74.0	56.6	39.3	23.7	12.9	4.9
-65°	88.9	72.0	55.4	38.4	23.2	12.7	4.9
-67.5°	86.0	69.9	53.9	37.5	22.7	12.6	4.9
-70°	82.9	67.6	52.4	36.4	22.1	12.4	4.9
-72.5°	79.7	65.1	50.6	35.4	21.4	12.2	4.9
-75°	76.4	62.5	48.8	34.4	20.7	12.0	4.9
-77.5°	72.9	59.7	47.2	33.4	20.0	11.7	4.9
-80°	69.1	57.4	45.6	32.2	19.2	11.5	4.9
-82.5°	66.4	55.2	43.9	31.0	18.4	11.2	4.9
-85°	63.6	52.9	42.1	29.7	17.5	10.9	4.9
-87.5°	60.7	50.4	40.2	28.4	16.6	10.6	4.9
-90°	4.9	4.9	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)