

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: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-57-70-2S-VHE-A**

Issue Date: 2/3/2026

**Test Information**

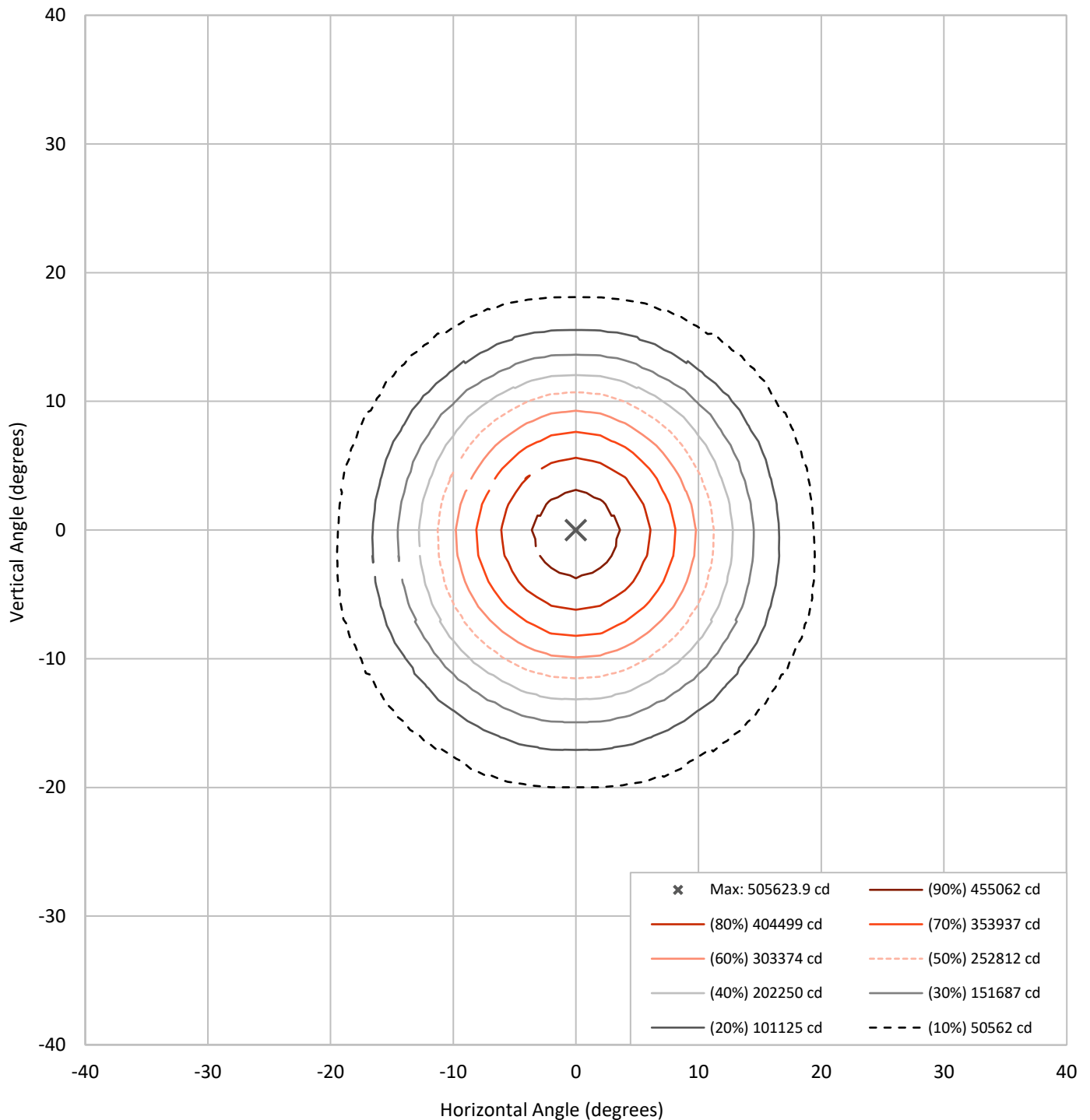
Test Method: LM-79-08  
Report Number: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-640L-57-70-2S-VHE-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 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:	88375.5 lumens	Max Intensity:	505623.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	131.9 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:	41296.4 lumens	Field Lumens:	73568.7 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: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

### Iso-Candela Plot





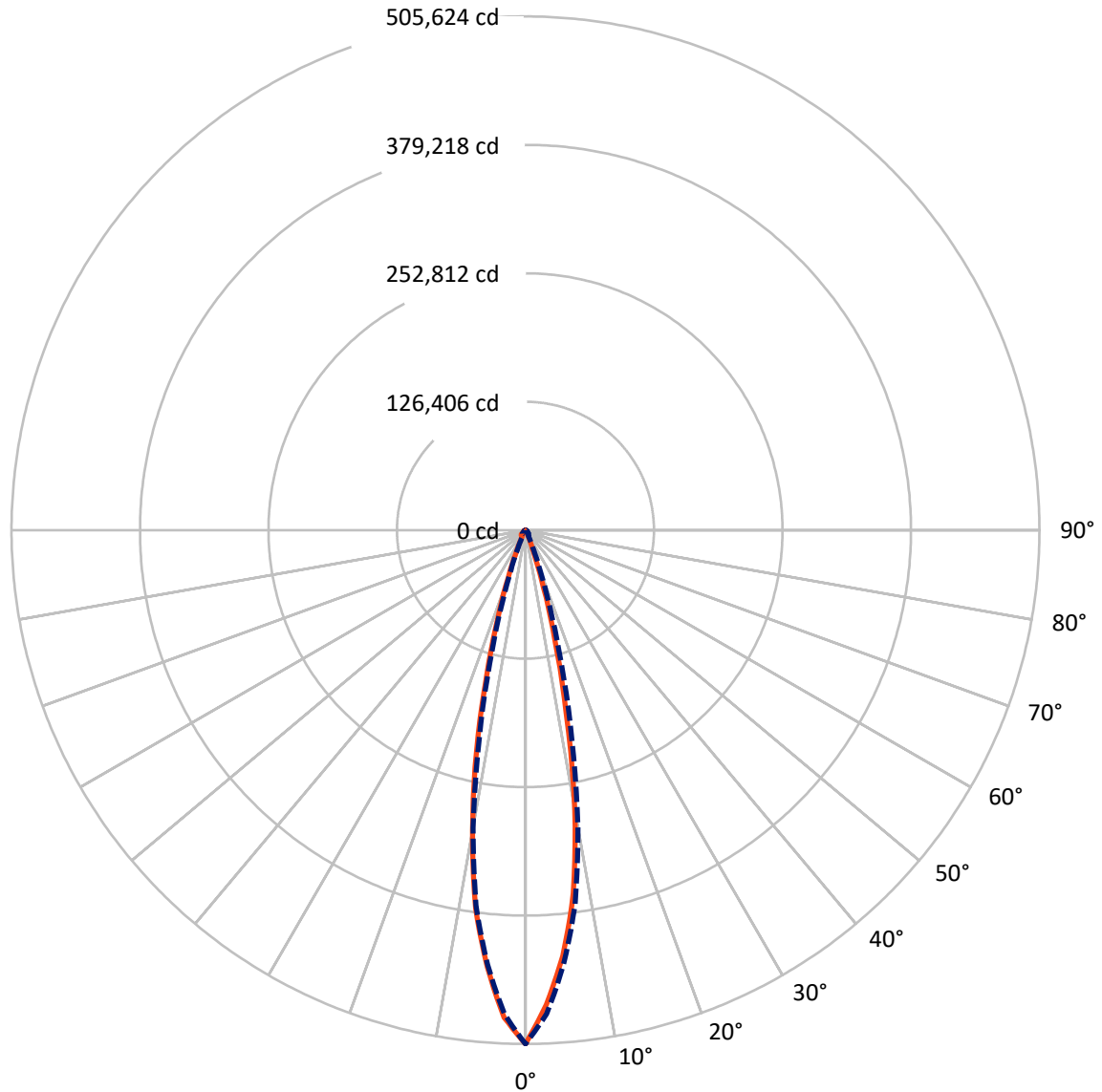
REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

### Lumen Table

90	0.2	0.7	1.3	1.9	2.3	1.9	1.3	0.7	0.2										
80	0.2	0.7	1.3	1.9	2.3	1.9	1.3	0.7	0.2										
70	0.2	0.1	0.2	0.6	0.8	0.8	0.7	0.8	0.8	0.7	0.8	0.8	0.6	0.2	0.1	0.2			
60		0.3	0.7	1.0	0.8	0.8	0.9	1.0	1.0	0.9	0.8	0.8	1.0	0.7	0.3				
50	0.7	1.1	2.6	5.3	9.3	15.2	23.3	27.5	27.5	23.3	15.2	9.3	5.3	2.6	1.1	0.7			
40		2.7	8.7	16.8	32.9	57.3	69.6	77.2	77.2	69.6	57.3	32.9	16.8	8.7	2.7				
30	1.7	4.7	14.4	30.7	75.1	87.4	120.5	220.2	220.2	120.5	87.4	75.1	30.7	14.4	4.7	1.7			
20		6.3	18.8	53.8	105.9	155.6	986.8	3182.8	3182.8	986.8	155.6	105.9	53.8	18.8	6.3				
10	2.5	7.6	21.7	70.3	121.3	347.8	3495.9	10509.3	10509.3	3495.9	347.8	121.3	70.3	21.7	7.6	2.5			
0		8.4	23.9	74.2	133.4	398.9	3807.3	10929.2	10929.2	3807.3	398.9	133.4	74.2	23.9	8.4				
-10	2.8	8.5	24.9	71.6	140.4	228.3	1395.3	4087.6	4087.6	1395.3	228.3	140.4	71.6	24.9	8.5	2.8			
-20		7.8	24.5	54.7	132.4	181.5	252.2	504.4	504.4	252.2	181.5	132.4	54.7	24.5	7.8				
-30	2.3	6.6	21.4	42.8	92.6	163.0	190.9	200.2	200.2	190.9	163.0	92.6	42.8	21.4	6.6	2.3			
-40		5.0	16.2	34.6	55.2	84.9	129.1	162.0	162.0	129.1	84.9	55.2	34.6	16.2	5.0				
-50	1.8	3.3	10.3	22.7	38.6	52.3	62.4	68.9	68.9	62.4	52.3	38.6	22.7	10.3	3.3	1.8			
-60		2.2	5.2	11.4	19.7	27.7	34.9	39.2	39.2	34.9	27.7	19.7	11.4	5.2	2.2				
-70	1.3	8.1	19.6	32.8	40.1	32.8	19.6	8.1	1.3							1.3			
-80		8.1	19.6	32.8	40.1	32.8	19.6	8.1	1.3										
-90	1.3	8.1	19.6	32.8	40.1	32.8	19.6	8.1	1.3										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

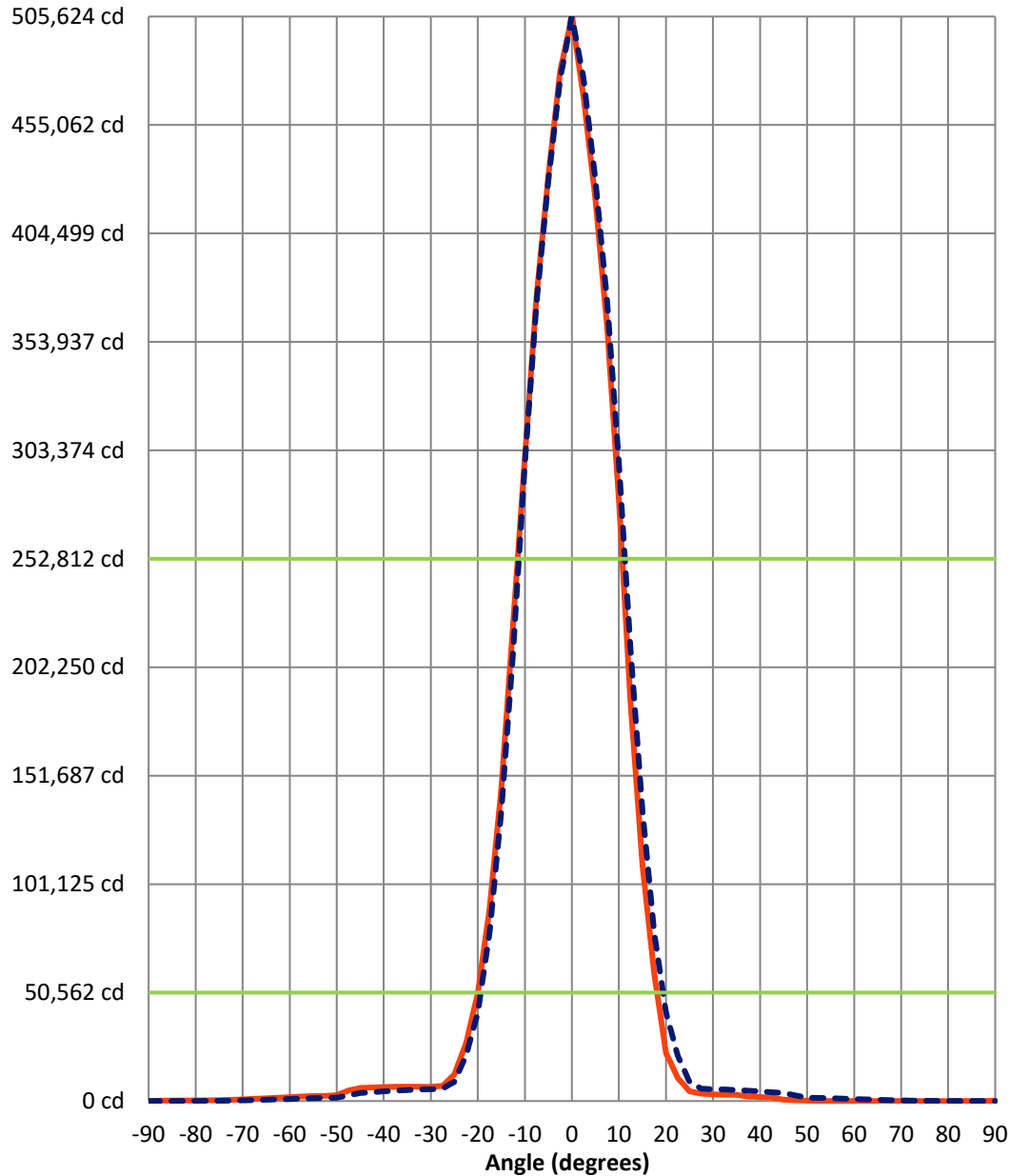
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

### Luminous Intensity Plot



**Beam:**  
H Angle: 22.5°  
V Angle: 22.2°  
Lumens: 41296.4  
Efficiency: 46.7%

**Field:**  
H Angle: 38.8°  
V Angle: 38.1°  
Lumens: 73568.7  
Efficiency: 83.2%

**Spill:**  
Lumens: 14806.8  
Efficiency: 16.8%

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



REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	5.2	10.8	16.5	28.3	40.2	50.5	60.9	68.7	76.4	82.6	88.7
87.5°	5.2	5.3	5.4	5.4	5.4	5.4	5.5	5.4	5.2	5.2	5.2
85°	5.2	5.5	5.5	5.6	5.5	5.6	5.7	5.5	5.2	5.2	5.2
82.5°	5.2	5.6	5.7	5.8	5.7	5.8	6.0	5.7	5.3	5.4	5.5
80°	5.2	5.7	5.9	6.0	5.9	6.1	6.2	6.0	6.0	6.0	5.9
77.5°	5.2	5.9	6.1	6.2	6.1	6.3	6.5	6.5	6.6	6.6	6.4
75°	5.2	6.0	6.3	6.4	6.3	6.7	6.8	6.9	7.2	7.1	6.9
72.5°	5.2	6.1	6.5	6.6	6.7	7.0	7.1	7.3	7.7	7.6	7.3
70°	5.2	6.3	6.7	6.8	7.1	7.4	7.5	7.9	8.1	8.0	7.9
67.5°	5.2	6.4	6.9	7.1	7.5	7.8	8.1	8.4	8.6	8.8	8.6
65°	5.2	6.5	7.1	7.4	7.8	8.3	8.7	9.0	9.6	9.5	9.5
62.5°	5.2	6.7	7.3	7.7	8.2	8.9	9.4	10.1	10.8	10.6	11.1
60°	5.2	6.8	7.5	7.9	8.5	9.5	10.0	11.5	12.1	12.8	13.0
57.5°	5.2	6.9	7.8	8.2	9.2	10.2	11.7	13.1	14.7	15.4	17.3
55°	5.2	7.1	8.1	8.5	10.0	10.8	13.6	15.0	17.7	19.1	23.2
52.5°	5.2	7.2	8.4	8.7	10.7	11.7	15.7	18.2	21.0	26.3	29.7
50°	5.2	7.3	8.8	9.0	11.6	13.9	17.9	21.8	25.7	34.2	42.4
47.5°	5.2	7.4	9.1	9.4	12.5	16.1	20.4	25.4	33.6	42.7	57.6
45°	5.2	7.6	9.6	10.1	13.4	18.5	23.7	29.2	42.4	58.0	74.2
42.5°	5.2	7.7	10.0	10.8	14.3	20.9	27.0	35.6	51.7	74.4	101.0
40°	5.2	7.8	10.4	11.8	15.8	23.4	30.6	44.1	63.7	91.9	131.3
37.5°	5.2	7.9	10.9	13.0	17.7	25.9	34.4	52.9	80.8	114.6	163.7
35°	5.2	8.1	11.4	14.3	19.7	28.8	38.4	62.0	98.7	144.9	200.1
32.5°	5.2	8.2	11.9	15.6	21.6	32.0	43.5	71.4	117.4	175.7	238.7
30°	5.2	8.3	12.4	16.9	23.6	35.1	51.2	82.2	136.8	206.8	275.5
27.5°	5.2	8.4	12.9	18.3	26.1	38.3	58.7	96.6	156.8	238.2	310.3
25°	5.2	8.5	13.5	19.7	28.6	41.4	66.2	110.1	177.7	267.9	343.4
22.5°	5.2	8.6	14.0	21.1	31.0	44.5	73.5	122.9	196.9	288.1	379.2
20°	5.2	8.7	14.6	22.5	33.3	47.9	80.5	134.8	214.5	306.8	407.0
17.5°	5.2	8.8	15.1	24.0	35.6	51.1	87.0	145.8	230.4	323.9	433.4
15°	5.2	8.9	15.7	25.4	37.7	54.2	92.8	155.5	244.6	339.5	458.8
12.5°	5.2	9.0	16.2	26.8	39.8	57.1	98.1	163.8	258.0	353.5	482.8
10°	5.2	9.1	16.7	28.1	41.8	59.8	102.8	171.2	270.8	370.8	507.5
7.5°	5.2	9.1	17.2	29.4	43.6	62.4	107.1	177.6	282.3	387.5	535.7
5°	5.2	9.2	17.7	30.7	45.4	64.8	110.8	183.0	292.3	402.8	561.5
2.5°	5.2	9.3	18.2	31.9	47.0	67.1	114.0	187.5	300.8	416.5	584.7
0°	5.2	9.3	18.6	33.0	48.5	69.1	116.6	190.9	307.5	428.2	604.7
-2.5°	5.2	9.7	19.6	34.5	50.6	72.0	120.3	197.9	316.9	440.6	615.2
-5°	5.2	10.1	20.5	35.8	52.6	74.6	123.5	203.7	324.3	450.6	622.2
-7.5°	5.2	10.5	21.4	37.1	54.5	77.1	126.0	208.2	329.7	458.3	626.0
-10°	5.2	10.8	22.2	38.3	56.2	79.3	128.0	211.3	333.0	463.4	626.7
-12.5°	5.2	11.2	23.0	39.4	57.8	81.3	129.3	212.9	334.0	465.5	625.9
-15°	5.2	11.5	23.8	40.4	59.2	83.0	129.9	212.9	331.5	461.7	621.6
-17.5°	5.2	11.9	24.5	41.3	60.4	84.4	129.9	210.7	325.4	455.2	612.4
-20°	5.2	12.2	25.1	42.1	61.5	85.6	129.4	206.7	317.2	446.0	598.0



REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.2	12.4	25.6	42.8	62.4	86.5	128.4	201.4	306.9	433.9	579.0
-25°	5.2	12.7	26.1	43.4	63.1	87.2	126.6	194.6	294.6	419.0	560.3
-27.5°	5.2	12.9	26.6	43.9	63.6	87.8	124.1	186.5	280.3	406.8	547.1
-30°	5.2	13.2	26.9	44.3	64.0	88.1	120.8	177.1	268.8	393.1	530.7
-32.5°	5.2	13.3	27.2	44.6	64.5	88.1	116.8	171.1	259.2	376.3	510.7
-35°	5.2	13.5	27.4	44.8	64.8	87.8	115.2	166.1	247.2	356.6	487.2
-37.5°	5.2	13.7	27.6	44.8	64.9	87.4	114.5	160.3	232.7	333.8	461.6
-40°	5.2	13.8	27.6	44.8	64.9	87.4	113.5	153.1	215.9	313.3	432.9
-42.5°	5.2	13.9	27.6	44.8	64.9	87.1	112.1	144.6	203.2	291.3	400.3
-45°	5.2	13.9	27.5	44.7	64.8	86.6	110.3	138.0	191.8	266.4	365.1
-47.5°	5.2	14.0	27.3	44.6	64.6	86.0	108.1	135.4	178.7	239.0	333.6
-50°	5.2	14.0	27.1	44.3	64.2	85.1	106.7	132.2	163.9	221.8	298.8
-52.5°	5.2	13.9	26.8	44.0	63.6	84.0	105.2	128.6	156.1	203.0	261.7
-55°	5.2	13.9	26.4	43.6	62.9	82.8	103.4	124.7	151.2	182.6	236.8
-57.5°	5.2	13.8	25.9	43.0	62.0	81.4	101.3	122.2	145.7	172.8	210.7
-60°	5.2	13.7	25.4	42.3	60.9	79.8	99.0	119.3	140.1	165.6	189.2
-62.5°	5.2	13.6	25.0	41.5	59.7	78.0	96.5	116.0	136.1	157.6	179.5
-65°	5.2	13.5	24.5	40.6	58.4	75.9	93.8	112.4	131.5	150.9	169.2
-67.5°	5.2	13.3	23.9	39.5	56.9	73.6	90.7	108.6	126.6	144.3	160.7
-70°	5.2	13.1	23.3	38.4	55.2	71.2	87.4	104.5	121.7	137.5	152.7
-72.5°	5.2	12.9	22.6	37.4	53.4	68.6	84.1	100.1	116.6	131.0	144.5
-75°	5.2	12.6	21.9	36.3	51.4	65.9	80.6	95.6	111.3	124.3	136.7
-77.5°	5.2	12.4	21.1	35.2	49.7	63.0	76.8	90.8	105.4	117.2	128.6
-80°	5.2	12.1	20.2	34.0	48.0	60.5	72.9	85.8	99.2	109.6	119.9
-82.5°	5.2	11.8	19.4	32.7	46.2	58.2	70.0	81.1	92.8	101.8	110.8
-85°	5.2	11.5	18.4	31.3	44.3	55.7	67.1	77.1	87.4	95.0	102.5
-87.5°	5.2	11.2	17.5	29.9	42.3	53.2	64.1	72.9	82.0	88.8	95.7
-90°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2



REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	93.4	98.0	102.2	106.3	111.0	115.6	120.8	125.9	131.1	136.2	140.4
87.5°	4.9	4.7	4.7	4.7	4.4	4.1	4.1	4.1	3.6	3.1	3.1
85°	5.2	5.2	5.2	5.2	4.8	4.4	4.3	4.1	3.8	3.6	3.7
82.5°	5.6	5.7	5.5	5.2	5.1	5.1	4.7	4.3	4.3	4.4	4.3
80°	6.0	6.2	5.8	5.5	5.4	5.2	5.1	5.0	5.1	5.2	4.8
77.5°	6.4	6.3	6.1	6.1	5.8	5.5	5.6	5.7	5.6	5.3	5.2
75°	6.7	6.4	6.3	6.3	6.1	6.1	6.2	6.2	6.0	5.9	5.7
72.5°	7.1	6.9	6.7	6.4	6.4	6.3	6.2	6.2	7.2	8.6	9.7
70°	7.7	7.5	7.3	7.1	6.9	6.9	8.1	10.5	13.0	15.0	17.7
67.5°	8.3	8.2	7.9	7.9	8.4	9.6	11.5	18.3	25.2	27.6	28.9
65°	9.2	9.1	9.1	9.7	10.2	15.4	22.3	30.3	38.9	40.5	38.8
62.5°	10.4	11.5	11.2	13.0	17.7	24.0	32.7	41.8	51.6	49.3	41.1
60°	14.2	15.0	16.6	20.6	25.9	33.1	42.7	46.6	50.7	51.4	39.9
57.5°	19.2	21.4	25.2	29.4	36.5	40.5	41.9	42.0	47.9	48.2	36.6
55°	26.7	30.3	36.2	41.2	45.7	41.3	41.3	45.1	47.1	43.5	32.5
52.5°	38.4	42.2	51.4	55.2	52.8	49.1	48.1	51.5	49.6	44.2	37.6
50°	51.4	62.4	68.6	71.6	65.8	65.1	59.8	62.8	64.7	61.8	64.7
47.5°	72.3	85.8	90.7	95.2	90.5	95.5	90.5	105.3	105.6	142.0	146.2
45°	97.8	116.0	121.8	132.2	140.2	144.9	173.6	175.6	252.8	283.1	348.1
42.5°	127.7	151.3	171.8	177.0	225.7	248.9	289.6	364.1	435.3	496.6	531.3
40°	166.0	191.2	234.1	282.1	337.3	391.8	452.4	539.8	615.1	648.1	665.7
37.5°	208.0	256.3	313.5	393.7	475.8	538.4	610.4	692.6	742.7	760.2	764.2
35°	253.0	322.7	418.4	502.8	590.8	674.7	741.9	820.5	837.3	851.2	928.6
32.5°	307.8	389.0	502.0	596.6	685.7	781.8	849.8	896.3	923.1	974.2	1226.4
30°	362.8	458.1	569.8	670.3	774.3	865.7	930.5	975.6	1006.2	1247.4	1771.1
27.5°	407.9	517.4	628.5	745.2	860.1	951.8	1014.0	1055.1	1233.2	1633.0	2439.5
25°	448.9	564.0	687.1	828.1	948.8	1033.7	1097.5	1138.1	1536.5	2353.0	2912.3
22.5°	487.3	609.1	753.5	915.5	1037.1	1109.2	1170.5	1391.1	1994.4	3082.5	3383.4
20°	524.9	663.3	825.5	989.6	1119.9	1173.3	1237.7	1674.8	2583.4	3363.3	3692.9
17.5°	563.8	718.9	893.5	1046.5	1163.1	1230.4	1333.6	1949.9	3080.7	3609.2	3847.5
15°	602.8	771.4	948.8	1096.7	1205.5	1286.4	1553.0	2344.0	3388.8	3879.3	4103.8
12.5°	640.9	817.3	990.5	1139.6	1250.0	1339.4	1753.6	2751.5	3667.2	4144.6	4441.7
10°	677.7	857.0	1026.1	1181.2	1293.6	1390.9	1956.3	3149.8	3918.6	4317.6	4566.8
7.5°	709.7	889.4	1056.9	1221.0	1334.3	1441.5	2178.6	3414.1	4025.5	4427.5	4630.0
5°	737.1	914.9	1088.1	1265.4	1376.5	1488.0	2380.5	3588.3	4066.2	4495.3	4696.2
2.5°	760.2	935.5	1115.0	1307.0	1418.1	1527.4	2521.9	3698.8	4093.8	4521.3	4761.2
0°	779.1	951.4	1137.2	1343.6	1456.0	1562.3	2627.3	3752.1	4102.9	4511.6	4822.2
-2.5°	791.3	974.7	1178.4	1378.8	1487.1	1591.6	2622.9	3783.4	4114.2	4563.7	5058.0
-5°	799.6	992.9	1213.0	1408.6	1515.3	1617.4	2578.1	3760.5	4139.1	4642.9	5212.1
-7.5°	803.7	1005.1	1239.6	1432.6	1541.8	1646.3	2522.6	3707.6	4266.2	4805.8	5308.9
-10°	805.0	1012.4	1245.0	1444.2	1566.4	1674.7	2431.3	3596.4	4366.6	4873.9	5336.9
-12.5°	810.4	1015.8	1242.2	1448.9	1587.4	1700.7	2318.4	3522.8	4501.6	4916.0	5326.7
-15°	809.9	1014.5	1233.9	1447.5	1613.0	1735.4	2168.2	3349.1	4583.9	4925.5	5299.3
-17.5°	803.1	1008.7	1221.2	1442.6	1637.4	1761.4	1956.5	2991.5	4348.8	4883.8	5266.9
-20°	789.6	996.0	1203.3	1426.9	1650.9	1785.5	1931.2	2678.4	3864.9	4773.3	5205.8



REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	770.3	977.5	1181.5	1400.7	1644.5	1812.7	1948.8	2373.9	3387.0	4609.6	5106.8
-25°	747.6	951.6	1156.3	1386.5	1635.0	1838.8	1952.5	2091.0	2971.3	4067.6	4936.2
-27.5°	722.7	919.7	1128.5	1356.5	1620.2	1834.1	1951.0	2081.7	2528.5	3400.9	4664.5
-30°	693.6	883.8	1090.1	1312.9	1568.0	1784.8	1946.4	2054.5	2191.0	2878.1	3955.7
-32.5°	661.6	843.2	1044.5	1263.4	1500.8	1729.6	1919.5	2032.7	2152.4	2387.7	3256.4
-35°	630.1	804.0	994.1	1206.5	1432.2	1654.8	1849.0	2009.8	2110.3	2242.6	2639.0
-37.5°	600.9	760.0	938.9	1144.4	1362.6	1561.8	1771.9	1946.1	2083.8	2179.6	2340.0
-40°	567.1	710.9	882.5	1074.7	1270.8	1460.4	1660.2	1856.1	2025.3	2151.5	2247.2
-42.5°	529.1	666.6	821.7	992.5	1173.8	1354.2	1543.1	1737.2	1922.9	2089.4	2207.8
-45°	487.9	617.0	756.7	911.7	1072.6	1244.6	1424.4	1608.1	1792.4	1976.0	2122.2
-47.5°	440.3	562.6	695.1	825.5	973.8	1131.8	1299.0	1471.6	1642.1	1819.3	1987.5
-50°	390.7	503.8	624.8	745.1	873.9	1016.7	1169.8	1331.0	1492.7	1656.3	1818.4
-52.5°	345.7	439.7	551.2	664.6	778.4	900.5	1039.1	1186.1	1338.6	1492.9	1634.8
-55°	297.7	382.3	473.9	580.1	686.8	793.0	905.7	1038.8	1176.9	1320.1	1447.3
-57.5°	260.8	324.4	403.4	491.3	590.5	691.0	789.9	889.9	1013.3	1140.6	1247.5
-60°	230.2	276.1	336.6	410.8	489.8	582.7	675.6	768.5	864.0	955.2	1053.9
-62.5°	202.1	239.5	282.1	334.0	402.6	474.2	556.7	642.3	729.7	808.3	881.0
-65°	190.0	207.9	239.9	278.7	318.0	379.3	445.3	512.7	588.6	658.1	723.6
-67.5°	177.2	193.8	210.4	230.9	266.2	302.4	338.9	398.4	457.8	511.6	565.0
-70°	167.0	179.7	194.4	209.3	224.6	245.4	277.9	311.6	345.2	382.4	427.5
-72.5°	156.9	168.4	180.1	191.7	205.3	219.7	234.6	249.8	273.1	301.7	327.5
-75°	147.2	156.8	167.3	178.0	188.8	199.7	211.8	225.8	239.7	253.6	266.7
-77.5°	137.9	146.6	155.4	164.4	173.8	183.5	194.1	205.1	216.6	228.1	238.1
-80°	128.2	136.3	143.9	151.6	159.9	168.3	177.2	186.2	196.3	206.8	215.9
-82.5°	117.6	124.4	131.3	138.1	145.8	153.5	161.0	168.6	176.9	185.4	193.0
-85°	107.6	112.4	118.3	124.2	131.0	137.9	144.3	150.8	158.0	165.2	171.1
-87.5°	100.5	105.2	109.9	114.5	120.0	125.5	130.8	136.0	142.0	148.0	152.6
-90°	4.7	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.6	3.1	3.1



REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	144.5	147.6	150.7	152.3	153.8	156.9	159.9	164.6	169.2	174.4	179.6
87.5°	3.1	3.1	3.1	3.0	3.0	2.6	2.1	2.1	2.1	2.1	2.1
85°	3.7	3.8	3.8	3.5	3.1	3.0	3.0	3.0	3.0	2.6	2.1
82.5°	4.1	4.1	4.1	3.9	3.8	3.5	3.1	3.1	3.1	3.1	3.1
80°	4.5	4.3	4.1	4.1	4.1	4.0	3.9	3.5	3.1	3.5	4.0
77.5°	5.2	4.9	4.5	4.4	4.2	3.9	3.5	3.2	3.1	3.2	3.2
75°	5.4	5.5	6.2	6.3	6.1	5.6	4.7	4.6	4.8	4.5	4.1
72.5°	10.5	11.0	11.4	12.4	12.9	13.5	14.7	16.6	18.9	21.1	23.3
70°	21.1	24.0	24.7	24.8	24.7	25.5	26.6	27.8	29.4	30.8	31.9
67.5°	32.5	35.0	35.4	36.0	35.0	33.6	32.2	32.2	34.0	36.2	38.6
65°	39.6	37.0	35.1	34.7	34.0	32.3	29.6	27.6	27.1	26.7	26.8
62.5°	35.6	30.5	28.6	28.3	26.7	24.7	21.0	18.1	16.6	15.7	15.8
60°	30.8	24.8	21.1	19.5	16.9	14.4	12.2	10.0	9.3	9.0	9.1
57.5°	25.4	18.9	14.5	13.9	12.0	9.5	7.8	6.2	5.9	5.9	6.3
55°	23.3	19.9	16.6	15.5	13.3	12.2	10.5	8.4	7.8	8.4	9.2
52.5°	30.2	28.4	26.8	26.9	29.7	27.6	20.5	28.8	33.5	33.4	31.9
50°	66.3	59.6	85.1	81.9	102.3	115.9	105.3	118.2	136.7	149.7	158.8
47.5°	189.1	196.1	226.6	252.9	274.2	298.0	322.2	336.8	340.5	364.6	381.1
45°	380.9	403.7	437.6	454.7	488.2	527.8	555.6	568.1	641.0	731.8	790.4
42.5°	552.8	570.4	597.0	657.5	718.8	854.4	1010.1	1015.5	1156.2	1280.7	1408.1
40°	672.9	706.2	801.0	944.4	1275.3	1533.6	1717.4	1897.5	1927.5	1869.0	1901.0
37.5°	828.6	947.2	1187.3	1574.2	1860.6	2120.0	2224.4	2238.0	2274.4	2297.2	2260.9
35°	1121.9	1517.0	1716.2	2045.1	2253.4	2304.0	2335.6	2366.7	2396.5	2416.9	2439.1
32.5°	1764.3	2253.7	2280.0	2364.6	2403.5	2448.4	2481.9	2501.4	2514.9	2532.8	2593.2
30°	2454.9	2568.8	2578.3	2571.6	2585.0	2615.2	2637.1	2672.8	2708.3	2749.2	2883.2
27.5°	2777.3	2864.6	2837.5	2790.9	2767.8	2791.8	2851.5	2906.9	3010.2	3118.9	3311.1
25°	3134.3	3192.1	3158.9	3076.2	3024.4	3058.5	3148.1	3254.0	3451.4	3625.5	3979.3
22.5°	3516.5	3624.0	3589.2	3564.6	3455.5	3471.8	3542.5	3781.2	4275.2	5057.1	6680.8
20°	3812.9	3944.4	3961.0	3961.6	3938.6	3945.4	4109.5	4879.4	6323.5	10861.4	14884.3
17.5°	4032.7	4109.8	4202.3	4240.3	4285.4	4416.6	5292.1	7955.6	14191.9	22538.4	28929.7
15°	4317.6	4416.2	4516.5	4580.0	4681.7	5403.8	7642.6	15822.7	27163.2	41329.2	59436.0
12.5°	4545.6	4667.3	4746.8	4797.1	5031.5	6931.3	14720.4	26496.4	44190.4	66172.6	98782.4
10°	4671.9	4766.6	4875.2	5049.5	6005.5	10053.9	20758.9	37234.2	64433.8	104029.4	147462.5
7.5°	4734.7	4857.3	5038.9	5303.7	7108.0	14677.0	28879.4	52556.2	89706.9	139011.1	199528.7
5°	4807.8	5034.5	5250.7	5553.9	7964.2	18014.9	35334.6	65624.1	111742.3	172056.5	246796.0
2.5°	4925.9	5267.0	5406.3	5697.4	8480.1	20163.8	39183.9	75845.0	128196.6	199022.5	282935.5
0°	5112.1	5395.9	5479.5	5772.6	8999.4	21226.6	41445.0	78647.7	135526.1	209524.0	297169.0
-2.5°	5322.6	5499.8	5592.4	5919.1	9260.1	22310.8	43223.9	80530.9	133780.5	206025.7	291821.6
-5°	5459.9	5600.6	5690.3	6009.6	9231.5	21226.6	41236.3	74994.1	123575.2	188192.6	264900.1
-7.5°	5553.4	5699.8	5793.8	6086.3	8685.8	18344.1	36421.8	64643.9	105017.6	158012.3	224268.2
-10°	5644.6	5804.6	5927.7	6158.8	7687.5	14003.8	28587.1	48769.1	82130.3	124295.7	173833.3
-12.5°	5726.9	5924.6	6083.0	6189.4	6749.9	10651.4	21008.1	37303.0	59116.7	90592.4	126842.7
-15°	5768.5	6005.0	6182.3	6299.7	6624.7	8422.2	13603.8	24684.0	41272.8	60796.6	84384.8
-17.5°	5696.8	6049.4	6220.1	6349.3	6456.2	6918.1	9596.0	15152.0	25513.1	38302.7	49825.4
-20°	5582.6	6054.4	6247.7	6421.5	6543.0	6668.9	7010.0	9649.3	13864.4	21710.8	29390.5



REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5486.1	5924.7	6328.1	6516.0	6655.7	6665.0	6675.5	6993.3	8639.0	11282.6	15345.2
-25°	5419.1	5834.3	6303.6	6594.6	6691.4	6694.9	6642.1	6583.1	6769.6	6957.2	8441.6
-27.5°	5305.9	5756.2	6197.3	6552.2	6695.7	6690.8	6650.7	6611.3	6546.7	6504.5	6664.6
-30°	5167.4	5619.9	6030.6	6387.5	6600.2	6665.6	6638.2	6608.9	6588.9	6574.8	6546.1
-32.5°	4429.3	5452.4	5798.4	6122.3	6425.8	6558.7	6617.9	6604.2	6586.2	6578.5	6583.6
-35°	3618.0	4674.2	5572.5	5803.4	6066.8	6331.3	6518.0	6560.2	6578.9	6575.6	6583.8
-37.5°	2774.1	3725.7	4608.3	5346.0	5663.1	5938.2	6209.5	6389.2	6497.1	6515.7	6541.1
-40°	2390.9	2660.0	3496.0	4237.5	4854.4	5422.4	5709.6	6020.3	6262.6	6360.1	6411.3
-42.5°	2289.6	2396.5	2506.3	3050.1	3688.7	4230.1	4766.5	5299.7	5742.2	5992.5	6155.4
-45°	2245.5	2305.0	2368.4	2456.0	2534.4	2991.6	3484.1	4003.6	4585.2	5019.6	5424.2
-47.5°	2116.8	2236.9	2297.4	2334.6	2362.2	2422.5	2476.5	2622.9	3106.9	3487.5	3909.7
-50°	1946.8	2068.8	2167.8	2255.8	2285.9	2299.8	2316.0	2364.7	2442.0	2498.2	2583.2
-52.5°	1750.0	1864.5	1974.7	2069.0	2136.3	2194.3	2249.5	2287.9	2319.3	2351.8	2382.5
-55°	1561.9	1659.4	1753.9	1842.3	1922.6	1989.4	2055.2	2117.8	2176.6	2231.8	2283.4
-57.5°	1355.5	1452.9	1539.8	1619.1	1687.6	1743.3	1808.3	1877.3	1941.9	1999.2	2055.2
-60°	1147.1	1235.8	1318.9	1394.0	1456.6	1505.9	1569.0	1630.8	1689.9	1743.3	1790.3
-62.5°	951.3	1027.0	1098.6	1164.8	1224.1	1277.0	1330.0	1383.0	1438.8	1488.9	1533.0
-65°	785.8	846.2	897.0	944.3	984.2	1032.0	1082.9	1130.4	1179.6	1225.9	1268.1
-67.5°	619.5	670.7	713.4	754.3	787.6	821.2	859.1	895.2	929.9	965.9	1001.0
-70°	467.5	503.6	530.5	558.6	591.3	622.0	652.5	683.2	712.1	743.7	776.3
-72.5°	348.9	366.4	384.2	406.9	426.5	448.6	470.6	494.1	518.0	541.0	562.4
-75°	279.3	290.4	303.9	314.9	323.3	334.2	346.3	361.1	376.0	390.9	405.0
-77.5°	248.4	256.1	262.3	267.0	271.2	276.7	282.3	292.6	303.8	316.3	328.9
-80°	224.6	229.6	233.8	237.3	240.4	245.0	249.6	258.6	268.2	277.5	286.5
-82.5°	200.4	204.5	208.0	211.1	213.9	218.3	222.7	229.9	237.1	246.1	255.2
-85°	176.9	180.5	183.9	186.7	189.3	192.7	196.1	202.8	209.5	216.8	224.0
-87.5°	157.1	160.1	163.1	165.4	167.7	170.6	173.5	178.8	184.1	190.0	195.8
-90°	3.1	3.1	3.1	2.6	2.1	2.1	2.1	2.1	2.1	1.6	1.0



REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	180.1	180.6	180.6	180.6	180.6	180.6	180.1	179.6	174.4	169.2	164.6
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6	3.0	3.0
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	3.5	3.1	3.5
77.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.1	3.2
75°	3.6	3.1	3.1	3.1	3.1	3.1	3.6	4.1	4.5	4.8	4.6
72.5°	25.3	27.1	28.2	28.9	28.2	27.1	25.3	23.3	21.1	18.9	16.6
70°	32.5	32.8	33.0	33.0	33.0	32.8	32.5	31.9	30.8	29.4	27.8
67.5°	40.0	40.9	41.2	41.3	41.2	40.9	40.0	38.6	36.2	34.0	32.2
65°	25.6	23.7	22.0	20.6	22.0	23.7	25.6	26.8	26.7	27.1	27.6
62.5°	15.4	14.8	14.5	14.4	14.5	14.8	15.4	15.8	15.7	16.6	18.1
60°	9.2	9.4	8.9	8.3	8.9	9.4	9.2	9.1	9.0	9.3	10.0
57.5°	6.7	7.1	7.7	8.3	7.7	7.1	6.7	6.3	5.9	5.9	6.2
55°	9.9	10.9	11.7	12.4	11.7	10.9	9.9	9.2	8.4	7.8	8.4
52.5°	28.8	25.9	24.9	25.8	24.9	25.9	28.8	31.9	33.4	33.5	28.8
50°	163.4	166.6	170.7	175.4	170.7	166.6	163.4	158.8	149.7	136.7	118.2
47.5°	385.8	378.5	371.7	369.4	371.7	378.5	385.8	381.1	364.6	340.5	336.8
45°	731.5	677.7	650.3	666.6	650.3	677.7	731.5	790.4	731.8	641.0	568.1
42.5°	1476.4	1556.1	1618.4	1648.0	1618.4	1556.1	1476.4	1408.1	1280.7	1156.2	1015.5
40°	1851.0	1821.0	1837.1	1861.6	1837.1	1821.0	1851.0	1901.0	1869.0	1927.5	1897.5
37.5°	2278.7	2288.6	2216.7	2098.9	2216.7	2288.6	2278.7	2260.9	2297.2	2274.4	2238.0
35°	2486.1	2614.3	2854.4	2912.1	2854.4	2614.3	2486.1	2439.1	2416.9	2396.5	2366.7
32.5°	2745.8	2878.9	2919.7	2935.8	2919.7	2878.9	2745.8	2593.2	2532.8	2514.9	2501.4
30°	3056.1	3116.2	3101.0	3123.6	3101.0	3116.2	3056.1	2883.2	2749.2	2708.3	2672.8
27.5°	3396.0	3431.3	3419.8	3449.7	3419.8	3431.3	3396.0	3311.1	3118.9	3010.2	2906.9
25°	4273.7	4551.0	4536.5	4601.3	4536.5	4551.0	4273.7	3979.3	3625.5	3451.4	3254.0
22.5°	8657.5	9637.7	10224.7	10792.8	10224.7	9637.7	8657.5	6680.8	5057.1	4275.2	3781.2
20°	19343.9	22168.9	22783.8	22559.8	22783.8	22168.9	19343.9	14884.3	10861.4	6323.5	4879.4
17.5°	41522.4	52793.8	58845.9	59519.0	58845.9	52793.8	41522.4	28929.7	22538.4	14191.9	7955.6
15°	78142.5	97842.4	109027.6	110202.8	109027.6	97842.4	78142.5	59436.0	41329.2	27163.2	15822.7
12.5°	127744.1	159116.3	182147.2	184716.7	182147.2	159116.3	127744.1	98782.4	66172.6	44190.4	26496.4
10°	195686.9	238101.9	271642.2	279813.2	271642.2	238101.9	195686.9	147462.5	104029.4	64433.8	37234.2
7.5°	263500.6	311904.8	351379.4	360667.1	351379.4	311904.8	263500.6	199528.7	139011.1	89706.9	52556.2
5°	316512.9	378444.9	409946.4	420354.4	409946.4	378444.9	316512.9	246796.0	172056.5	111742.3	65624.1
2.5°	356921.2	415400.1	452381.8	467554.9	452381.8	415400.1	356921.2	282935.5	199022.5	128196.6	75845.0
0°	372519.7	429244.4	476338.6	505623.9	476338.6	429244.4	372519.7	297169.0	209524.0	135526.1	78647.7
-2.5°	366405.4	421021.3	461045.7	480042.7	461045.7	421021.3	366405.4	291821.6	206025.7	133780.5	80530.9
-5°	335495.2	390612.6	421558.5	431360.8	421558.5	390612.6	335495.2	264900.1	188192.6	123575.2	74994.1
-7.5°	283696.6	332212.2	368905.6	375482.9	368905.6	332212.2	283696.6	224268.2	158012.3	105017.6	64643.9
-10°	224846.8	266845.5	294837.7	300132.7	294837.7	266845.5	224846.8	173833.3	124295.7	82130.3	48769.1
-12.5°	159382.9	196274.3	218405.8	222489.5	218405.8	196274.3	159382.9	126842.7	90592.4	59116.7	37303.0
-15°	108308.6	131287.5	144701.3	146055.8	144701.3	131287.5	108308.6	84384.8	60796.6	41272.8	24684.0
-17.5°	67768.7	81437.2	89797.5	89875.0	89797.5	81437.2	67768.7	49825.4	38302.7	25513.1	15152.0
-20°	39234.1	45756.6	50434.0	50414.4	50434.0	45756.6	39234.1	29390.5	21710.8	13864.4	9649.3



REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20441.5	24318.1	27138.4	27009.5	27138.4	24318.1	20441.5	15345.2	11282.6	8639.0	6993.3
-25°	10037.7	11521.9	12509.7	12432.6	12509.7	11521.9	10037.7	8441.6	6957.2	6769.6	6583.1
-27.5°	6802.5	6965.8	7078.6	7090.3	7078.6	6965.8	6802.5	6664.6	6504.5	6546.7	6611.3
-30°	6535.1	6572.4	6611.7	6621.8	6611.7	6572.4	6535.1	6546.1	6574.8	6588.9	6608.9
-32.5°	6599.7	6628.8	6672.0	6699.2	6672.0	6628.8	6599.7	6583.6	6578.5	6586.2	6604.2
-35°	6604.4	6638.2	6688.1	6710.6	6688.1	6638.2	6604.4	6583.8	6575.6	6578.9	6560.2
-37.5°	6573.6	6615.0	6657.8	6677.5	6657.8	6615.0	6573.6	6541.1	6515.7	6497.1	6389.2
-40°	6457.0	6499.3	6530.6	6533.1	6530.6	6499.3	6457.0	6411.3	6360.1	6262.6	6020.3
-42.5°	6263.8	6316.2	6340.3	6336.0	6340.3	6316.2	6263.8	6155.4	5992.5	5742.2	5299.7
-45°	5807.9	5993.5	6084.6	6106.9	6084.6	5993.5	5807.9	5424.2	5019.6	4585.2	4003.6
-47.5°	4399.0	4671.1	4845.5	4915.0	4845.5	4671.1	4399.0	3909.7	3487.5	3106.9	2622.9
-50°	2694.4	2719.7	2736.3	2744.9	2736.3	2719.7	2694.4	2583.2	2498.2	2442.0	2364.7
-52.5°	2408.1	2415.4	2419.3	2419.9	2419.3	2415.4	2408.1	2382.5	2351.8	2319.3	2287.9
-55°	2320.5	2335.1	2344.2	2346.6	2344.2	2335.1	2320.5	2283.4	2231.8	2176.6	2117.8
-57.5°	2092.1	2100.4	2109.6	2115.4	2109.6	2100.4	2092.1	2055.2	1999.2	1941.9	1877.3
-60°	1818.4	1826.0	1827.5	1822.4	1827.5	1826.0	1818.4	1790.3	1743.3	1689.9	1630.8
-62.5°	1557.1	1564.1	1571.1	1573.7	1571.1	1564.1	1557.1	1533.0	1488.9	1438.8	1383.0
-65°	1287.8	1291.3	1292.9	1289.9	1292.9	1291.3	1287.8	1268.1	1225.9	1179.6	1130.4
-67.5°	1017.6	1024.6	1034.5	1041.2	1034.5	1024.6	1017.6	1001.0	965.9	929.9	895.2
-70°	783.8	780.7	787.4	792.5	787.4	780.7	783.8	776.3	743.7	712.1	683.2
-72.5°	565.2	561.8	559.5	555.2	559.5	561.8	565.2	562.4	541.0	518.0	494.1
-75°	404.2	400.1	399.5	398.3	399.5	400.1	404.2	405.0	390.9	376.0	361.1
-77.5°	329.1	327.5	325.5	323.0	325.5	327.5	329.1	328.9	316.3	303.8	292.6
-80°	287.3	287.4	286.3	284.8	286.3	287.4	287.3	286.5	277.5	268.2	258.6
-82.5°	255.6	255.6	254.8	253.9	254.8	255.6	255.6	255.2	246.1	237.1	229.9
-85°	224.5	224.8	223.9	222.9	223.9	224.8	224.5	224.0	216.8	209.5	202.8
-87.5°	196.5	197.0	196.6	196.1	196.6	197.0	196.5	195.8	190.0	184.1	178.8
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6	2.1	2.1



REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	159.9	156.9	153.8	152.3	150.7	147.6	144.5	140.4	136.2	131.1	125.9
87.5°	2.1	2.6	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.6	4.1
85°	3.0	3.0	3.1	3.5	3.8	3.8	3.7	3.7	3.6	3.8	4.1
82.5°	3.1	3.5	3.8	3.9	4.1	4.1	4.1	4.3	4.4	4.3	4.3
80°	3.9	4.0	4.1	4.1	4.1	4.3	4.5	4.8	5.2	5.1	5.0
77.5°	3.5	3.9	4.2	4.4	4.5	4.9	5.2	5.2	5.3	5.6	5.7
75°	4.7	5.6	6.1	6.3	6.2	5.5	5.4	5.7	5.9	6.0	6.2
72.5°	14.7	13.5	12.9	12.4	11.4	11.0	10.5	9.7	8.6	7.2	6.2
70°	26.6	25.5	24.7	24.8	24.7	24.0	21.1	17.7	15.0	13.0	10.5
67.5°	32.2	33.6	35.0	36.0	35.4	35.0	32.5	28.9	27.6	25.2	18.3
65°	29.6	32.3	34.0	34.7	35.1	37.0	39.6	38.8	40.5	38.9	30.3
62.5°	21.0	24.7	26.7	28.3	28.6	30.5	35.6	41.1	49.3	51.6	41.8
60°	12.2	14.4	16.9	19.5	21.1	24.8	30.8	39.9	51.4	50.7	46.6
57.5°	7.8	9.5	12.0	13.9	14.5	18.9	25.4	36.6	48.2	47.9	42.0
55°	10.5	12.2	13.3	15.5	16.6	19.9	23.3	32.5	43.5	47.1	45.1
52.5°	20.5	27.6	29.7	26.9	26.8	28.4	30.2	37.6	44.2	49.6	51.5
50°	105.3	115.9	102.3	81.9	85.1	59.6	66.3	64.7	61.8	64.7	62.8
47.5°	322.2	298.0	274.2	252.9	226.6	196.1	189.1	146.2	142.0	105.6	105.3
45°	555.6	527.8	488.2	454.7	437.6	403.7	380.9	348.1	283.1	252.8	175.6
42.5°	1010.1	854.4	718.8	657.5	597.0	570.4	552.8	531.3	496.6	435.3	364.1
40°	1717.4	1533.6	1275.3	944.4	801.0	706.2	672.9	665.7	648.1	615.1	539.8
37.5°	2224.4	2120.0	1860.6	1574.2	1187.3	947.2	828.6	764.2	760.2	742.7	692.6
35°	2335.6	2304.0	2253.4	2045.1	1716.2	1517.0	1121.9	928.6	851.2	837.3	820.5
32.5°	2481.9	2448.4	2403.5	2364.6	2280.0	2253.7	1764.3	1226.4	974.2	923.1	896.3
30°	2637.1	2615.2	2585.0	2571.6	2578.3	2568.8	2454.9	1771.1	1247.4	1006.2	975.6
27.5°	2851.5	2791.8	2767.8	2790.9	2837.5	2864.6	2777.3	2439.5	1633.0	1233.2	1055.1
25°	3148.1	3058.5	3024.4	3076.2	3158.9	3192.1	3134.3	2912.3	2353.0	1536.5	1138.1
22.5°	3542.5	3471.8	3455.5	3564.6	3589.2	3624.0	3516.5	3383.4	3082.5	1994.4	1391.1
20°	4109.5	3945.4	3938.6	3961.6	3961.0	3944.4	3812.9	3692.9	3363.3	2583.4	1674.8
17.5°	5292.1	4416.6	4285.4	4240.3	4202.3	4109.8	4032.7	3847.5	3609.2	3080.7	1949.9
15°	7642.6	5403.8	4681.7	4580.0	4516.5	4416.2	4317.6	4103.8	3879.3	3388.8	2344.0
12.5°	14720.4	6931.3	5031.5	4797.1	4746.8	4667.3	4545.6	4441.7	4144.6	3667.2	2751.5
10°	20758.9	10053.9	6005.5	5049.5	4875.2	4766.6	4671.9	4566.8	4317.6	3918.6	3149.8
7.5°	28879.4	14677.0	7108.0	5303.7	5038.9	4857.3	4734.7	4630.0	4427.5	4025.5	3414.1
5°	35334.6	18014.9	7964.2	5553.9	5250.7	5034.5	4807.8	4696.2	4495.3	4066.2	3588.3
2.5°	39183.9	20163.8	8480.1	5697.4	5406.3	5267.0	4925.9	4761.2	4521.3	4093.8	3698.8
0°	41445.0	21226.6	8999.4	5772.6	5479.5	5395.9	5112.1	4822.2	4511.6	4102.9	3752.1
-2.5°	43223.9	22310.8	9260.1	5919.1	5592.4	5499.8	5322.6	5058.0	4563.7	4114.2	3783.4
-5°	41236.3	21226.6	9231.5	6009.6	5690.3	5600.6	5459.9	5212.1	4642.9	4139.1	3760.5
-7.5°	36421.8	18344.1	8685.8	6086.3	5793.8	5699.8	5553.4	5308.9	4805.8	4266.2	3707.6
-10°	28587.1	14003.8	7687.5	6158.8	5927.7	5804.6	5644.6	5336.9	4873.9	4366.6	3596.4
-12.5°	21008.1	10651.4	6749.9	6189.4	6083.0	5924.6	5726.9	5326.7	4916.0	4501.6	3522.8
-15°	13603.8	8422.2	6624.7	6299.7	6182.3	6005.0	5768.5	5299.3	4925.5	4583.9	3349.1
-17.5°	9596.0	6918.1	6456.2	6349.3	6220.1	6049.4	5696.8	5266.9	4883.8	4348.8	2991.5
-20°	7010.0	6668.9	6543.0	6421.5	6247.7	6054.4	5582.6	5205.8	4773.3	3864.9	2678.4



REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6675.5	6665.0	6655.7	6516.0	6328.1	5924.7	5486.1	5106.8	4609.6	3387.0	2373.9
-25°	6642.1	6694.9	6691.4	6594.6	6303.6	5834.3	5419.1	4936.2	4067.6	2971.3	2091.0
-27.5°	6650.7	6690.8	6695.7	6552.2	6197.3	5756.2	5305.9	4664.5	3400.9	2528.5	2081.7
-30°	6638.2	6665.6	6600.2	6387.5	6030.6	5619.9	5167.4	3955.7	2878.1	2191.0	2054.5
-32.5°	6617.9	6558.7	6425.8	6122.3	5798.4	5452.4	4429.3	3256.4	2387.7	2152.4	2032.7
-35°	6518.0	6331.3	6066.8	5803.4	5572.5	4674.2	3618.0	2639.0	2242.6	2110.3	2009.8
-37.5°	6209.5	5938.2	5663.1	5346.0	4608.3	3725.7	2774.1	2340.0	2179.6	2083.8	1946.1
-40°	5709.6	5422.4	4854.4	4237.5	3496.0	2660.0	2390.9	2247.2	2151.5	2025.3	1856.1
-42.5°	4766.5	4230.1	3688.7	3050.1	2506.3	2396.5	2289.6	2207.8	2089.4	1922.9	1737.2
-45°	3484.1	2991.6	2534.4	2456.0	2368.4	2305.0	2245.5	2122.2	1976.0	1792.4	1608.1
-47.5°	2476.5	2422.5	2362.2	2334.6	2297.4	2236.9	2116.8	1987.5	1819.3	1642.1	1471.6
-50°	2316.0	2299.8	2285.9	2255.8	2167.8	2068.8	1946.8	1818.4	1656.3	1492.7	1331.0
-52.5°	2249.5	2194.3	2136.3	2069.0	1974.7	1864.5	1750.0	1634.8	1492.9	1338.6	1186.1
-55°	2055.2	1989.4	1922.6	1842.3	1753.9	1659.4	1561.9	1447.3	1320.1	1176.9	1038.8
-57.5°	1808.3	1743.3	1687.6	1619.1	1539.8	1452.9	1355.5	1247.5	1140.6	1013.3	889.9
-60°	1569.0	1505.9	1456.6	1394.0	1318.9	1235.8	1147.1	1053.9	955.2	864.0	768.5
-62.5°	1330.0	1277.0	1224.1	1164.8	1098.6	1027.0	951.3	881.0	808.3	729.7	642.3
-65°	1082.9	1032.0	984.2	944.3	897.0	846.2	785.8	723.6	658.1	588.6	512.7
-67.5°	859.1	821.2	787.6	754.3	713.4	670.7	619.5	565.0	511.6	457.8	398.4
-70°	652.5	622.0	591.3	558.6	530.5	503.6	467.5	427.5	382.4	345.2	311.6
-72.5°	470.6	448.6	426.5	406.9	384.2	366.4	348.9	327.5	301.7	273.1	249.8
-75°	346.3	334.2	323.3	314.9	303.9	290.4	279.3	266.7	253.6	239.7	225.8
-77.5°	282.3	276.7	271.2	267.0	262.3	256.1	248.4	238.1	228.1	216.6	205.1
-80°	249.6	245.0	240.4	237.3	233.8	229.6	224.6	215.9	206.8	196.3	186.2
-82.5°	222.7	218.3	213.9	211.1	208.0	204.5	200.4	193.0	185.4	176.9	168.6
-85°	196.1	192.7	189.3	186.7	183.9	180.5	176.9	171.1	165.2	158.0	150.8
-87.5°	173.5	170.6	167.7	165.4	163.1	160.1	157.1	152.6	148.0	142.0	136.0
-90°	2.1	2.1	2.1	2.6	3.1	3.1	3.1	3.1	3.1	3.6	4.1



REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	120.8	115.6	111.0	106.3	102.2	98.0	93.4	88.7	82.6	76.4	68.7
87.5°	4.1	4.1	4.4	4.7	4.7	4.7	4.9	5.2	5.2	5.2	5.4
85°	4.3	4.4	4.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.5
82.5°	4.7	5.1	5.1	5.2	5.5	5.7	5.6	5.5	5.4	5.3	5.7
80°	5.1	5.2	5.4	5.5	5.8	6.2	6.0	5.9	6.0	6.0	6.0
77.5°	5.6	5.5	5.8	6.1	6.1	6.3	6.4	6.4	6.6	6.6	6.5
75°	6.2	6.1	6.1	6.3	6.3	6.4	6.7	6.9	7.1	7.2	6.9
72.5°	6.2	6.3	6.4	6.4	6.7	6.9	7.1	7.3	7.6	7.7	7.3
70°	8.1	6.9	6.9	7.1	7.3	7.5	7.7	7.9	8.0	8.1	7.9
67.5°	11.5	9.6	8.4	7.9	7.9	8.2	8.3	8.6	8.8	8.6	8.4
65°	22.3	15.4	10.2	9.7	9.1	9.1	9.2	9.5	9.5	9.6	9.0
62.5°	32.7	24.0	17.7	13.0	11.2	11.5	10.4	11.1	10.6	10.8	10.1
60°	42.7	33.1	25.9	20.6	16.6	15.0	14.2	13.0	12.8	12.1	11.5
57.5°	41.9	40.5	36.5	29.4	25.2	21.4	19.2	17.3	15.4	14.7	13.1
55°	41.3	41.3	45.7	41.2	36.2	30.3	26.7	23.2	19.1	17.7	15.0
52.5°	48.1	49.1	52.8	55.2	51.4	42.2	38.4	29.7	26.3	21.0	18.2
50°	59.8	65.1	65.8	71.6	68.6	62.4	51.4	42.4	34.2	25.7	21.8
47.5°	90.5	95.5	90.5	95.2	90.7	85.8	72.3	57.6	42.7	33.6	25.4
45°	173.6	144.9	140.2	132.2	121.8	116.0	97.8	74.2	58.0	42.4	29.2
42.5°	289.6	248.9	225.7	177.0	171.8	151.3	127.7	101.0	74.4	51.7	35.6
40°	452.4	391.8	337.3	282.1	234.1	191.2	166.0	131.3	91.9	63.7	44.1
37.5°	610.4	538.4	475.8	393.7	313.5	256.3	208.0	163.7	114.6	80.8	52.9
35°	741.9	674.7	590.8	502.8	418.4	322.7	253.0	200.1	144.9	98.7	62.0
32.5°	849.8	781.8	685.7	596.6	502.0	389.0	307.8	238.7	175.7	117.4	71.4
30°	930.5	865.7	774.3	670.3	569.8	458.1	362.8	275.5	206.8	136.8	82.2
27.5°	1014.0	951.8	860.1	745.2	628.5	517.4	407.9	310.3	238.2	156.8	96.6
25°	1097.5	1033.7	948.8	828.1	687.1	564.0	448.9	343.4	267.9	177.7	110.1
22.5°	1170.5	1109.2	1037.1	915.5	753.5	609.1	487.3	379.2	288.1	196.9	122.9
20°	1237.7	1173.3	1119.9	989.6	825.5	663.3	524.9	407.0	306.8	214.5	134.8
17.5°	1333.6	1230.4	1163.1	1046.5	893.5	718.9	563.8	433.4	323.9	230.4	145.8
15°	1553.0	1286.4	1205.5	1096.7	948.8	771.4	602.8	458.8	339.5	244.6	155.5
12.5°	1753.6	1339.4	1250.0	1139.6	990.5	817.3	640.9	482.8	353.5	258.0	163.8
10°	1956.3	1390.9	1293.6	1181.2	1026.1	857.0	677.7	507.5	370.8	270.8	171.2
7.5°	2178.6	1441.5	1334.3	1221.0	1056.9	889.4	709.7	535.7	387.5	282.3	177.6
5°	2380.5	1488.0	1376.5	1265.4	1088.1	914.9	737.1	561.5	402.8	292.3	183.0
2.5°	2521.9	1527.4	1418.1	1307.0	1115.0	935.5	760.2	584.7	416.5	300.8	187.5
0°	2627.3	1562.3	1456.0	1343.6	1137.2	951.4	779.1	604.7	428.2	307.5	190.9
-2.5°	2622.9	1591.6	1487.1	1378.8	1178.4	974.7	791.3	615.2	440.6	316.9	197.9
-5°	2578.1	1617.4	1515.3	1408.6	1213.0	992.9	799.6	622.2	450.6	324.3	203.7
-7.5°	2522.6	1646.3	1541.8	1432.6	1239.6	1005.1	803.7	626.0	458.3	329.7	208.2
-10°	2431.3	1674.7	1566.4	1444.2	1245.0	1012.4	805.0	626.7	463.4	333.0	211.3
-12.5°	2318.4	1700.7	1587.4	1448.9	1242.2	1015.8	810.4	625.9	465.5	334.0	212.9
-15°	2168.2	1735.4	1613.0	1447.5	1233.9	1014.5	809.9	621.6	461.7	331.5	212.9
-17.5°	1956.5	1761.4	1637.4	1442.6	1221.2	1008.7	803.1	612.4	455.2	325.4	210.7
-20°	1931.2	1785.5	1650.9	1426.9	1203.3	996.0	789.6	598.0	446.0	317.2	206.7



REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1948.8	1812.7	1644.5	1400.7	1181.5	977.5	770.3	579.0	433.9	306.9	201.4
-25°	1952.5	1838.8	1635.0	1386.5	1156.3	951.6	747.6	560.3	419.0	294.6	194.6
-27.5°	1951.0	1834.1	1620.2	1356.5	1128.5	919.7	722.7	547.1	406.8	280.3	186.5
-30°	1946.4	1784.8	1568.0	1312.9	1090.1	883.8	693.6	530.7	393.1	268.8	177.1
-32.5°	1919.5	1729.6	1500.8	1263.4	1044.5	843.2	661.6	510.7	376.3	259.2	171.1
-35°	1849.0	1654.8	1432.2	1206.5	994.1	804.0	630.1	487.2	356.6	247.2	166.1
-37.5°	1771.9	1561.8	1362.6	1144.4	938.9	760.0	600.9	461.6	333.8	232.7	160.3
-40°	1660.2	1460.4	1270.8	1074.7	882.5	710.9	567.1	432.9	313.3	215.9	153.1
-42.5°	1543.1	1354.2	1173.8	992.5	821.7	666.6	529.1	400.3	291.3	203.2	144.6
-45°	1424.4	1244.6	1072.6	911.7	756.7	617.0	487.9	365.1	266.4	191.8	138.0
-47.5°	1299.0	1131.8	973.8	825.5	695.1	562.6	440.3	333.6	239.0	178.7	135.4
-50°	1169.8	1016.7	873.9	745.1	624.8	503.8	390.7	298.8	221.8	163.9	132.2
-52.5°	1039.1	900.5	778.4	664.6	551.2	439.7	345.7	261.7	203.0	156.1	128.6
-55°	905.7	793.0	686.8	580.1	473.9	382.3	297.7	236.8	182.6	151.2	124.7
-57.5°	789.9	691.0	590.5	491.3	403.4	324.4	260.8	210.7	172.8	145.7	122.2
-60°	675.6	582.7	489.8	410.8	336.6	276.1	230.2	189.2	165.6	140.1	119.3
-62.5°	556.7	474.2	402.6	334.0	282.1	239.5	202.1	179.5	157.6	136.1	116.0
-65°	445.3	379.3	318.0	278.7	239.9	207.9	190.0	169.2	150.9	131.5	112.4
-67.5°	338.9	302.4	266.2	230.9	210.4	193.8	177.2	160.7	144.3	126.6	108.6
-70°	277.9	245.4	224.6	209.3	194.4	179.7	167.0	152.7	137.5	121.7	104.5
-72.5°	234.6	219.7	205.3	191.7	180.1	168.4	156.9	144.5	131.0	116.6	100.1
-75°	211.8	199.7	188.8	178.0	167.3	156.8	147.2	136.7	124.3	111.3	95.6
-77.5°	194.1	183.5	173.8	164.4	155.4	146.6	137.9	128.6	117.2	105.4	90.8
-80°	177.2	168.3	159.9	151.6	143.9	136.3	128.2	119.9	109.6	99.2	85.8
-82.5°	161.0	153.5	145.8	138.1	131.3	124.4	117.6	110.8	101.8	92.8	81.1
-85°	144.3	137.9	131.0	124.2	118.3	112.4	107.6	102.5	95.0	87.4	77.1
-87.5°	130.8	125.5	120.0	114.5	109.9	105.2	100.5	95.7	88.8	82.0	72.9
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.7	5.2	5.2	5.2	5.2



REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	60.9	50.5	40.2	28.3	16.5	10.8	5.2
87.5°	5.5	5.4	5.4	5.4	5.4	5.3	5.2
85°	5.7	5.6	5.5	5.6	5.5	5.5	5.2
82.5°	6.0	5.8	5.7	5.8	5.7	5.6	5.2
80°	6.2	6.1	5.9	6.0	5.9	5.7	5.2
77.5°	6.5	6.3	6.1	6.2	6.1	5.9	5.2
75°	6.8	6.7	6.3	6.4	6.3	6.0	5.2
72.5°	7.1	7.0	6.7	6.6	6.5	6.1	5.2
70°	7.5	7.4	7.1	6.8	6.7	6.3	5.2
67.5°	8.1	7.8	7.5	7.1	6.9	6.4	5.2
65°	8.7	8.3	7.8	7.4	7.1	6.5	5.2
62.5°	9.4	8.9	8.2	7.7	7.3	6.7	5.2
60°	10.0	9.5	8.5	7.9	7.5	6.8	5.2
57.5°	11.7	10.2	9.2	8.2	7.8	6.9	5.2
55°	13.6	10.8	10.0	8.5	8.1	7.1	5.2
52.5°	15.7	11.7	10.7	8.7	8.4	7.2	5.2
50°	17.9	13.9	11.6	9.0	8.8	7.3	5.2
47.5°	20.4	16.1	12.5	9.4	9.1	7.4	5.2
45°	23.7	18.5	13.4	10.1	9.6	7.6	5.2
42.5°	27.0	20.9	14.3	10.8	10.0	7.7	5.2
40°	30.6	23.4	15.8	11.8	10.4	7.8	5.2
37.5°	34.4	25.9	17.7	13.0	10.9	7.9	5.2
35°	38.4	28.8	19.7	14.3	11.4	8.1	5.2
32.5°	43.5	32.0	21.6	15.6	11.9	8.2	5.2
30°	51.2	35.1	23.6	16.9	12.4	8.3	5.2
27.5°	58.7	38.3	26.1	18.3	12.9	8.4	5.2
25°	66.2	41.4	28.6	19.7	13.5	8.5	5.2
22.5°	73.5	44.5	31.0	21.1	14.0	8.6	5.2
20°	80.5	47.9	33.3	22.5	14.6	8.7	5.2
17.5°	87.0	51.1	35.6	24.0	15.1	8.8	5.2
15°	92.8	54.2	37.7	25.4	15.7	8.9	5.2
12.5°	98.1	57.1	39.8	26.8	16.2	9.0	5.2
10°	102.8	59.8	41.8	28.1	16.7	9.1	5.2
7.5°	107.1	62.4	43.6	29.4	17.2	9.1	5.2
5°	110.8	64.8	45.4	30.7	17.7	9.2	5.2
2.5°	114.0	67.1	47.0	31.9	18.2	9.3	5.2
0°	116.6	69.1	48.5	33.0	18.6	9.3	5.2
-2.5°	120.3	72.0	50.6	34.5	19.6	9.7	5.2
-5°	123.5	74.6	52.6	35.8	20.5	10.1	5.2
-7.5°	126.0	77.1	54.5	37.1	21.4	10.5	5.2
-10°	128.0	79.3	56.2	38.3	22.2	10.8	5.2
-12.5°	129.3	81.3	57.8	39.4	23.0	11.2	5.2
-15°	129.9	83.0	59.2	40.4	23.8	11.5	5.2
-17.5°	129.9	84.4	60.4	41.3	24.5	11.9	5.2
-20°	129.4	85.6	61.5	42.1	25.1	12.2	5.2



REPORT NUMBER: P1305696 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	128.4	86.5	62.4	42.8	25.6	12.4	5.2
-25°	126.6	87.2	63.1	43.4	26.1	12.7	5.2
-27.5°	124.1	87.8	63.6	43.9	26.6	12.9	5.2
-30°	120.8	88.1	64.0	44.3	26.9	13.2	5.2
-32.5°	116.8	88.1	64.5	44.6	27.2	13.3	5.2
-35°	115.2	87.8	64.8	44.8	27.4	13.5	5.2
-37.5°	114.5	87.4	64.9	44.8	27.6	13.7	5.2
-40°	113.5	87.4	64.9	44.8	27.6	13.8	5.2
-42.5°	112.1	87.1	64.9	44.8	27.6	13.9	5.2
-45°	110.3	86.6	64.8	44.7	27.5	13.9	5.2
-47.5°	108.1	86.0	64.6	44.6	27.3	14.0	5.2
-50°	106.7	85.1	64.2	44.3	27.1	14.0	5.2
-52.5°	105.2	84.0	63.6	44.0	26.8	13.9	5.2
-55°	103.4	82.8	62.9	43.6	26.4	13.9	5.2
-57.5°	101.3	81.4	62.0	43.0	25.9	13.8	5.2
-60°	99.0	79.8	60.9	42.3	25.4	13.7	5.2
-62.5°	96.5	78.0	59.7	41.5	25.0	13.6	5.2
-65°	93.8	75.9	58.4	40.6	24.5	13.5	5.2
-67.5°	90.7	73.6	56.9	39.5	23.9	13.3	5.2
-70°	87.4	71.2	55.2	38.4	23.3	13.1	5.2
-72.5°	84.1	68.6	53.4	37.4	22.6	12.9	5.2
-75°	80.6	65.9	51.4	36.3	21.9	12.6	5.2
-77.5°	76.8	63.0	49.7	35.2	21.1	12.4	5.2
-80°	72.9	60.5	48.0	34.0	20.2	12.1	5.2
-82.5°	70.0	58.2	46.2	32.7	19.4	11.8	5.2
-85°	67.1	55.7	44.3	31.3	18.4	11.5	5.2
-87.5°	64.1	53.2	42.3	29.9	17.5	11.2	5.2
-90°	5.2	5.2	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)