

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: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-57-70-3S-VHE-A**

Issue Date: 2/3/2026

Test Information

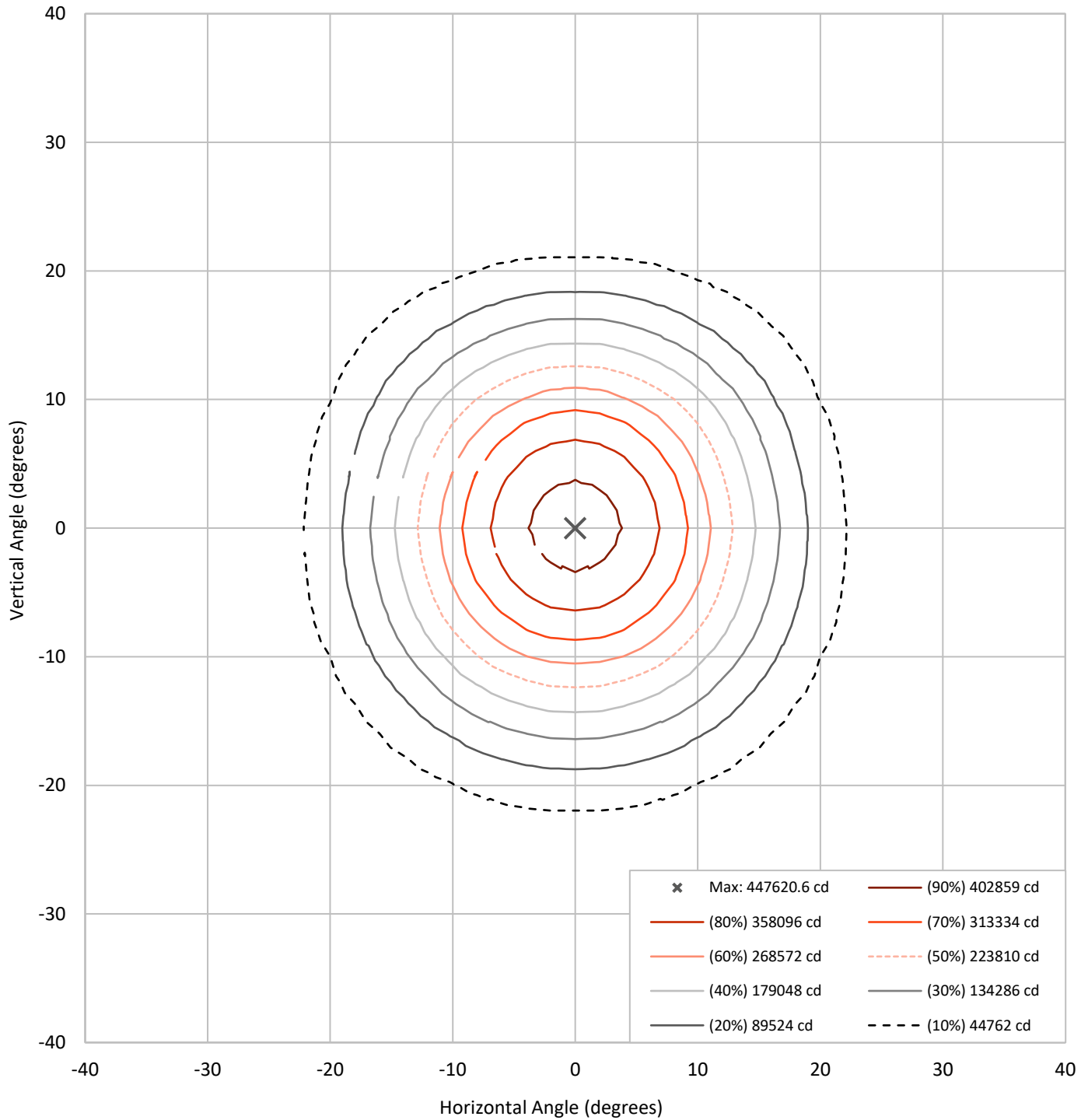
Test Method: LM-79-08
Report Number: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-3)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-08-680R-57-70-3S-VHE-A
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 3S 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:	100567.1 lumens	Max Intensity:	447620.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	146.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	25.7°H x 24.9°V	Field Angle (10%):	44.2°H x 43°V
Beam Lumens:	48117.1 lumens	Field Lumens:	84313.1 lumens
Beam Efficiency:	47.8%	Field Efficiency:	83.8%
Input Watts (W):	688		
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: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

Iso-Candela Plot





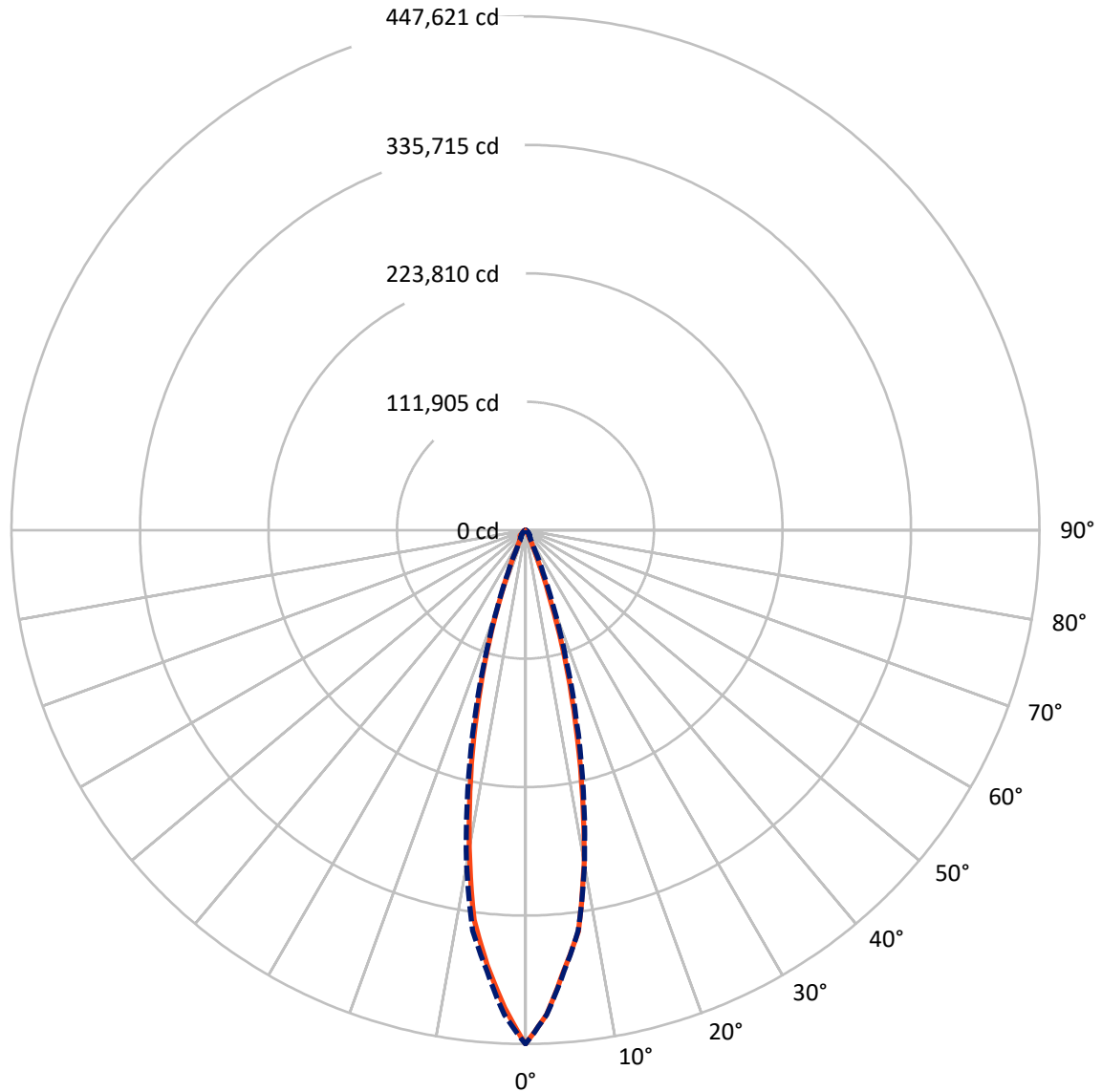
REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

Lumen Table

90	0.2	0.8		1.6		2.4		2.8		2.4		1.6		0.8		0.2			
80	0.2	0.8		1.6		2.4		2.8		2.4		1.6		0.8		0.2			
70	0.3	0.2	0.3	0.8	0.9	0.8	0.6	0.6	0.6	0.6	0.8	0.9	0.8	0.3	0.2	0.3			
60		0.5	1.0	1.3	1.1	1.1	1.4	1.7	1.7	1.4	1.1	1.1	1.3	1.0	0.5				
50	0.9	1.4	3.4	7.0	13.0	22.2	31.6	35.8	35.8	31.6	22.2	13.0	7.0	3.4	1.4	0.9			
40		3.5	10.7	22.0	41.5	68.8	83.1	97.5	97.5	83.1	68.8	41.5	22.0	10.7	3.5				
30	2.3	5.8	17.9	39.4	88.2	113.4	245.0	535.8	535.8	245.0	113.4	88.2	39.4	17.9	5.8	2.3			
20		7.7	23.6	64.0	126.6	306.0	1843.2	4456.2	4456.2	1843.2	306.0	126.6	64.0	23.6	7.7				
10	3.4	9.3	27.3	81.6	153.3	679.2	4476.9	10197.1	110197.1	4476.9	679.2	153.3	81.6	27.3	9.3	3.4			
0		10.3	30.1	86.3	169.8	700.1	4504.0	10091.2	10091.2	4504.0	700.1	169.8	86.3	30.1	10.3				
-10	3.7	10.4	31.1	83.3	169.2	375.3	1922.0	4497.8	4497.8	1922.0	375.3	169.2	83.3	31.1	10.4	3.7			
-20		9.6	29.6	65.9	152.3	229.9	398.4	757.6	757.6	398.4	229.9	152.3	65.9	29.6	9.6				
-30	3.1	8.2	25.4	52.7	105.2	183.9	227.0	251.9	251.9	227.0	183.9	105.2	52.7	25.4	8.2	3.1			
-40		6.3	19.3	40.9	66.6	98.3	144.1	179.5	179.5	144.1	98.3	66.6	40.9	19.3	6.3				
-50	2.6	4.2	12.6	26.7	44.8	61.0	74.1	82.2	82.2	74.1	61.0	44.8	26.7	12.6	4.2	2.6			
-60		3.0	6.6	13.8	23.3	32.2	40.6	45.7	45.7	40.6	32.2	23.3	13.8	6.6	3.0				
-70	1.8	11.0		25.5		41.5		51.0		41.5		25.5		11.0		1.8			
-80		11.0		25.5		41.5		51.0		41.5		25.5		11.0					
-90	1.8	11.0		25.5		41.5		51.0		41.5		25.5		11.0		1.8			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

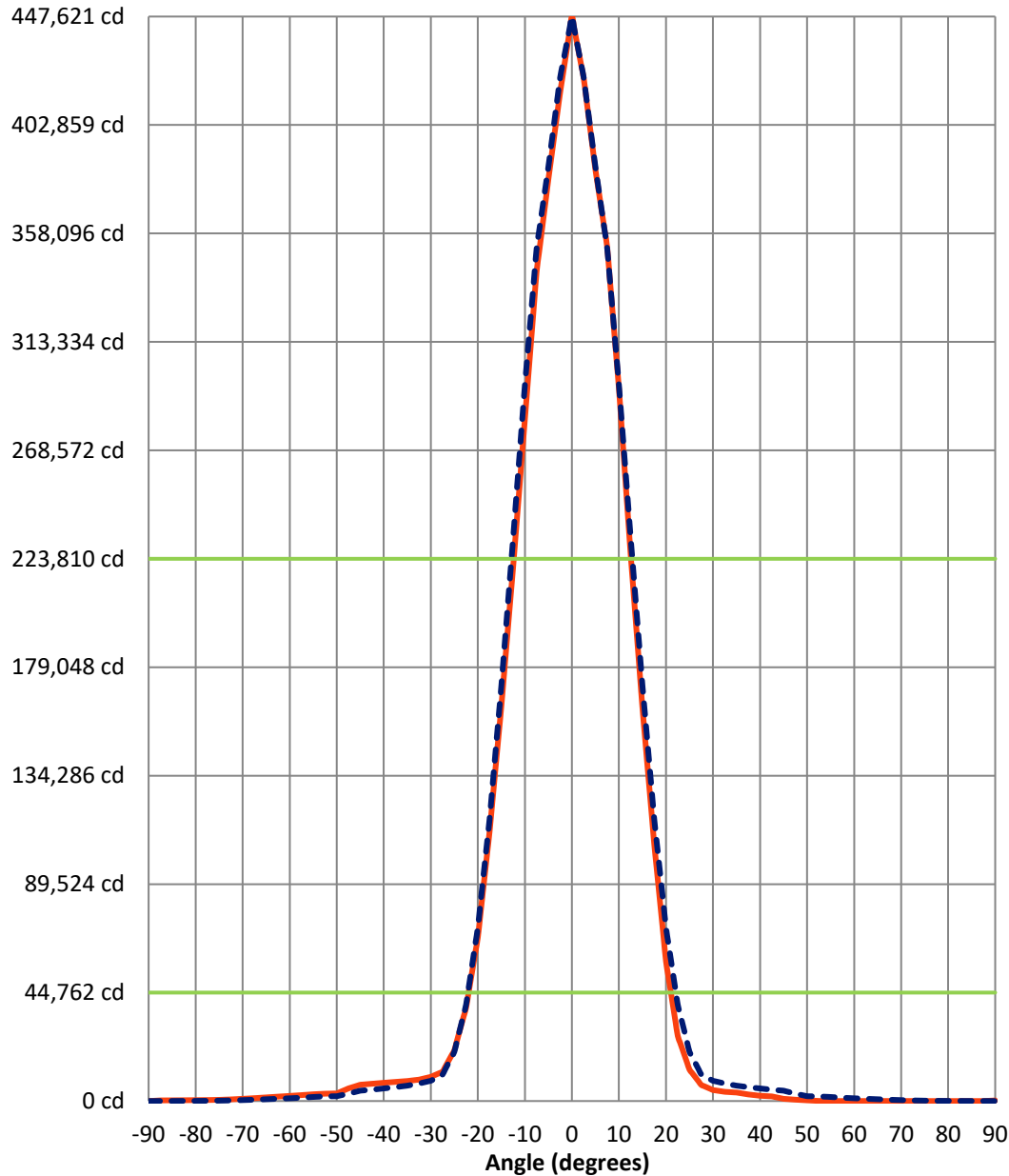
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

Luminous Intensity Plot



Beam:
 H Angle: 25.7°
 V Angle: 24.9°
 Lumens: 48117.1
 Efficiency: 47.8%

Field:
 H Angle: 44.2°
 V Angle: 43°
 Lumens: 84313.1
 Efficiency: 83.8%

Spill:
 Lumens: 16254
 Efficiency: 16.2%

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



REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	3.6	15.0	26.4	42.5	58.7	72.5	86.3	96.5	106.6	115.0	123.4
87.5°	3.6	3.9	3.8	3.9	4.0	4.0	3.9	3.5	3.2	3.1	2.9
85°	3.6	4.2	4.0	4.2	4.4	4.4	4.2	4.1	4.0	3.8	3.4
82.5°	3.6	4.5	4.2	4.5	4.8	4.8	4.6	4.6	4.8	4.4	4.0
80°	3.6	4.8	4.5	4.8	5.3	5.2	4.9	5.2	5.3	4.9	4.5
77.5°	3.6	5.0	4.7	5.2	5.7	5.7	5.6	5.7	5.7	5.4	5.1
75°	3.6	5.3	5.0	5.5	6.1	6.4	6.3	6.3	6.2	6.1	5.7
72.5°	3.6	5.6	5.3	5.8	6.8	7.1	7.0	7.1	7.2	6.9	6.4
70°	3.6	5.9	5.6	6.1	7.5	7.8	7.8	8.3	8.3	7.8	8.0
67.5°	3.6	6.2	5.9	6.8	8.2	8.5	9.3	9.6	9.5	10.0	10.0
65°	3.6	6.6	6.3	7.6	8.9	9.7	10.8	11.0	12.0	12.3	12.2
62.5°	3.6	6.9	6.7	8.3	9.7	11.3	12.4	13.3	14.7	14.7	14.7
60°	3.6	7.2	7.1	9.0	10.5	13.0	14.2	16.1	17.5	17.9	17.6
57.5°	3.6	7.5	7.9	9.8	12.1	14.7	16.8	19.1	21.3	21.6	23.8
55°	3.6	7.8	8.8	10.6	13.8	16.4	19.6	22.2	25.6	27.0	32.2
52.5°	3.6	8.1	9.6	11.4	15.5	18.4	22.5	26.6	30.3	37.2	41.3
50°	3.6	8.5	10.5	12.2	17.2	21.1	25.4	31.3	37.0	48.3	58.0
47.5°	3.6	8.8	11.4	13.1	19.0	23.9	28.6	36.2	48.2	60.3	78.2
45°	3.6	9.1	12.3	14.5	20.9	26.8	33.0	41.4	60.0	80.9	100.5
42.5°	3.6	9.5	13.2	15.9	22.7	29.7	37.6	49.9	72.3	103.1	134.7
40°	3.6	9.8	14.2	17.7	24.9	32.8	42.5	60.9	87.8	126.8	173.3
37.5°	3.6	10.1	15.1	19.6	27.3	36.0	47.9	72.2	109.5	155.0	214.6
35°	3.6	10.5	16.1	21.6	29.7	39.9	53.5	83.7	132.1	191.3	260.8
32.5°	3.6	10.8	17.1	23.6	32.1	44.3	60.4	95.8	155.4	227.8	306.6
30°	3.6	11.1	18.1	25.6	34.5	48.8	70.4	109.8	179.5	264.4	349.5
27.5°	3.6	11.5	19.1	27.6	37.6	53.2	80.2	128.1	203.9	301.0	389.3
25°	3.6	11.8	20.1	29.6	40.8	57.5	89.8	145.3	228.7	335.2	426.4
22.5°	3.6	12.1	21.0	31.5	43.8	61.9	99.2	161.6	251.4	358.4	466.9
20°	3.6	12.4	22.0	33.4	46.8	66.5	108.3	176.7	271.9	380.0	499.5
17.5°	3.6	12.7	23.0	35.3	49.7	70.8	116.8	190.7	290.2	399.8	530.1
15°	3.6	13.0	23.9	37.1	52.6	75.0	124.6	203.3	306.4	417.7	559.1
12.5°	3.6	13.3	24.8	38.9	55.3	78.9	131.8	214.5	322.9	433.9	586.2
10°	3.6	13.5	25.7	40.6	57.9	82.5	138.4	224.6	339.8	457.9	615.7
7.5°	3.6	13.8	26.5	42.3	60.4	85.9	144.4	233.5	355.4	482.1	652.7
5°	3.6	14.0	27.3	43.8	62.8	89.1	149.7	241.2	369.4	504.8	686.9
2.5°	3.6	14.2	28.1	45.3	65.0	92.0	154.3	247.6	381.6	525.6	717.9
0°	3.6	14.4	28.8	46.7	67.1	94.7	158.2	252.8	391.8	544.0	745.3
-2.5°	3.6	15.0	30.1	48.8	70.1	98.7	163.3	261.4	403.3	556.5	758.1
-5°	3.6	15.6	31.3	50.8	72.9	102.4	167.6	268.6	412.5	566.3	766.8
-7.5°	3.6	16.1	32.5	52.6	75.5	105.8	171.1	274.1	419.3	573.3	771.4
-10°	3.6	16.6	33.6	54.3	78.0	108.9	173.8	278.0	423.5	577.6	772.1
-12.5°	3.6	17.1	34.6	55.9	80.3	111.6	175.6	280.1	425.1	578.9	770.3
-15°	3.6	17.6	35.5	57.4	82.3	114.0	176.6	280.3	422.5	575.3	764.4
-17.5°	3.6	18.0	36.4	58.7	84.1	116.1	176.7	277.8	415.7	568.5	753.1
-20°	3.6	18.4	37.2	59.9	85.7	117.8	176.1	273.1	406.4	558.4	736.2



REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.6	18.8	37.9	61.0	87.1	119.2	174.7	266.7	394.6	545.1	714.2
-25°	3.6	19.1	38.6	61.8	88.3	120.4	172.4	258.6	380.4	528.5	691.0
-27.5°	3.6	19.4	39.1	62.6	89.2	121.4	169.2	248.9	363.8	513.4	674.4
-30°	3.6	19.7	39.6	63.1	89.9	122.0	165.1	237.5	350.3	496.8	654.4
-32.5°	3.6	19.9	40.0	63.5	90.8	122.3	160.1	230.1	338.7	477.4	630.5
-35°	3.6	20.1	40.3	63.8	91.4	122.2	158.3	223.7	324.2	455.4	602.7
-37.5°	3.6	20.2	40.5	63.8	91.8	122.1	157.8	216.6	306.6	430.7	573.3
-40°	3.6	20.4	40.6	63.7	92.0	122.3	156.8	207.9	286.0	406.6	540.2
-42.5°	3.6	20.4	40.6	63.6	92.0	122.2	155.4	197.7	270.6	377.7	501.8
-45°	3.6	20.5	40.5	63.5	91.9	121.9	153.5	190.0	257.2	345.6	459.6
-47.5°	3.6	20.5	40.4	63.2	91.6	121.2	151.0	187.0	241.9	311.1	420.3
-50°	3.6	20.4	40.1	63.1	90.9	120.3	149.3	183.3	223.9	290.5	377.9
-52.5°	3.6	20.4	39.8	62.8	90.0	119.1	147.4	178.8	214.0	268.3	334.1
-55°	3.6	20.2	39.3	62.4	88.9	117.3	145.1	174.0	207.4	244.7	306.2
-57.5°	3.6	20.1	38.8	61.8	87.5	115.2	142.4	170.7	200.2	232.8	277.0
-60°	3.6	19.9	38.2	61.1	86.0	112.8	139.3	166.6	193.0	224.0	252.8
-62.5°	3.6	19.7	37.6	60.2	84.6	110.2	136.1	161.9	187.3	214.2	240.8
-65°	3.6	19.4	37.0	59.1	83.1	107.3	132.5	156.9	181.0	205.4	227.9
-67.5°	3.6	19.1	36.3	57.9	81.4	104.4	128.5	151.8	174.2	196.8	217.2
-70°	3.6	18.8	35.4	56.6	79.4	101.4	124.3	146.3	167.6	187.8	207.3
-72.5°	3.6	18.4	34.5	55.2	77.3	98.2	120.0	140.4	160.6	179.0	197.0
-75°	3.6	18.0	33.6	53.8	75.0	94.7	115.3	134.2	153.3	169.9	186.1
-77.5°	3.6	17.6	32.5	52.2	72.6	91.0	110.3	127.6	145.3	160.3	174.9
-80°	3.6	17.1	31.4	50.5	70.1	87.5	105.0	120.8	136.8	150.3	163.5
-82.5°	3.6	16.6	30.2	48.7	67.5	84.0	100.5	114.2	128.1	140.1	152.0
-85°	3.6	16.1	29.0	46.7	64.7	80.3	95.9	108.4	121.1	131.3	141.4
-87.5°	3.6	15.6	27.7	44.7	61.8	76.5	91.2	102.5	113.9	123.2	132.5
-90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.0	2.4	2.4	2.4



REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	130.0	136.6	142.6	148.6	154.0	159.4	166.6	173.8	179.2	184.5	189.9
87.5°	3.0	3.0	3.0	3.1	2.8	2.4	2.4	2.4	2.2	2.1	2.2
85°	3.5	3.6	3.6	3.6	3.1	2.8	2.8	2.9	3.0	3.0	2.8
82.5°	4.1	4.2	4.0	3.6	3.5	3.5	3.6	3.6	3.6	3.6	3.3
80°	4.6	4.8	4.4	4.0	4.1	4.3	4.1	3.7	3.6	3.7	3.8
77.5°	5.0	4.9	4.7	4.6	4.8	5.0	5.0	4.9	4.9	4.7	4.7
75°	5.4	5.0	5.1	5.0	5.0	5.6	6.0	6.0	5.8	5.6	5.7
72.5°	6.3	6.3	6.1	5.4	5.5	6.0	6.0	6.0	7.5	9.9	12.0
70°	7.9	7.8	7.3	6.9	6.6	7.1	9.1	12.4	16.1	19.5	22.7
67.5°	9.5	9.3	8.8	8.7	9.9	12.0	14.5	22.9	31.7	34.8	35.4
65°	11.2	11.0	11.1	12.5	14.2	20.2	27.9	38.0	46.5	45.9	42.4
62.5°	13.3	14.9	14.9	17.9	23.8	31.0	40.0	48.7	56.2	52.6	43.8
60°	19.0	20.1	22.8	28.3	34.4	41.6	50.9	53.7	55.6	54.2	42.6
57.5°	26.2	29.2	34.9	40.0	47.3	50.5	51.2	50.7	54.0	51.8	40.1
55°	36.6	41.9	49.5	54.8	59.0	52.7	52.1	55.3	55.0	50.3	38.9
52.5°	52.2	57.8	68.5	72.4	69.0	64.0	62.3	65.3	62.9	56.6	49.1
50°	69.3	82.8	89.8	92.9	86.8	86.1	79.9	83.8	87.2	84.1	94.7
47.5°	95.2	111.5	116.7	122.3	119.3	130.3	124.7	145.3	146.7	207.0	225.0
45°	126.5	148.4	154.4	168.8	184.7	203.9	237.0	245.7	344.9	405.3	476.6
42.5°	164.2	191.7	216.4	224.7	295.8	334.5	384.1	476.4	568.6	644.4	697.5
40°	212.8	240.7	293.0	355.4	431.1	496.8	591.6	698.4	786.3	844.5	871.9
37.5°	266.2	320.8	389.3	490.3	582.4	665.8	787.0	893.9	971.8	1025.7	1032.6
35°	323.5	401.1	513.3	615.7	710.7	823.8	944.1	1066.9	1130.9	1154.1	1253.1
32.5°	390.4	479.4	612.3	723.5	830.5	958.7	1086.6	1192.7	1249.2	1314.7	1649.9
30°	453.7	561.5	693.8	812.0	944.6	1090.6	1212.9	1312.9	1351.9	1696.2	2238.4
27.5°	504.2	632.8	765.6	908.1	1060.4	1227.3	1350.6	1415.5	1638.9	2148.4	2932.2
25°	551.3	689.7	838.1	1016.0	1189.2	1354.7	1480.2	1521.7	1986.1	2850.2	3434.4
22.5°	597.4	745.2	918.0	1130.2	1307.6	1462.1	1567.0	1818.4	2484.0	3578.3	3881.7
20°	643.4	810.8	1004.9	1216.5	1412.1	1556.3	1637.0	2131.4	3088.6	3858.1	4199.4
17.5°	687.8	876.9	1084.6	1289.2	1486.4	1632.5	1736.8	2395.4	3567.5	4109.2	4445.1
15°	731.0	933.3	1146.2	1357.4	1558.6	1699.3	1982.2	2782.7	3865.0	4412.9	4767.6
12.5°	772.5	981.5	1191.6	1416.5	1628.4	1764.2	2236.7	3252.1	4175.4	4712.1	5095.5
10°	811.6	1022.1	1231.0	1470.5	1693.4	1820.6	2475.5	3690.6	4459.4	4925.0	5272.6
7.5°	851.1	1058.7	1266.7	1519.3	1754.5	1872.0	2677.6	3930.6	4570.9	5065.7	5397.5
5°	885.9	1092.4	1308.9	1579.4	1813.8	1919.3	2848.1	4092.1	4606.2	5135.9	5487.4
2.5°	915.7	1120.5	1345.9	1635.5	1867.2	1962.2	2964.3	4215.1	4648.9	5185.9	5599.2
0°	940.7	1143.2	1376.9	1683.6	1912.5	2001.2	3041.3	4281.6	4675.8	5207.9	5723.1
-2.5°	959.0	1173.4	1426.4	1724.4	1949.7	2041.8	3065.5	4310.1	4715.1	5328.8	6001.4
-5°	972.6	1197.6	1467.9	1756.8	1980.0	2079.2	3048.3	4283.5	4761.9	5440.4	6178.2
-7.5°	981.0	1215.0	1499.8	1781.1	2005.3	2121.4	2996.3	4253.0	4908.7	5580.5	6267.1
-10°	985.0	1224.0	1504.7	1790.2	2025.5	2163.7	2907.4	4149.8	5014.8	5633.9	6274.5
-12.5°	988.4	1225.9	1498.8	1788.6	2038.1	2202.4	2795.6	4025.8	5112.6	5654.0	6229.0
-15°	985.4	1222.1	1485.5	1777.5	2054.1	2251.2	2652.7	3795.8	5156.3	5632.9	6143.7
-17.5°	975.4	1212.8	1467.3	1763.2	2064.4	2296.7	2465.4	3441.4	4921.8	5568.0	6078.8
-20°	958.4	1195.8	1441.2	1735.7	2058.8	2316.4	2460.7	3182.1	4430.7	5440.2	5982.2



REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	936.0	1171.8	1410.0	1699.2	2026.4	2308.3	2495.0	2896.2	3874.2	5253.0	5836.6
-25°	909.7	1141.2	1378.0	1659.9	1981.1	2292.8	2513.8	2632.9	3414.2	4618.7	5605.4
-27.5°	879.4	1104.9	1341.5	1607.5	1922.0	2246.7	2483.2	2640.2	3040.2	3893.4	5254.2
-30°	843.6	1062.9	1294.3	1546.7	1849.8	2159.6	2430.7	2630.6	2747.5	3398.4	4492.4
-32.5°	803.1	1014.6	1240.5	1488.3	1768.2	2065.9	2352.5	2568.8	2729.0	2942.1	3775.4
-35°	764.4	965.2	1180.9	1422.6	1680.6	1960.3	2229.2	2484.4	2685.3	2822.6	3161.3
-37.5°	730.2	911.4	1118.6	1351.3	1599.8	1839.1	2096.1	2359.1	2589.3	2779.2	2899.1
-40°	691.2	853.4	1054.4	1274.3	1495.6	1716.6	1956.6	2207.8	2461.4	2669.9	2852.7
-42.5°	647.4	804.5	984.4	1184.6	1388.0	1596.8	1810.5	2048.3	2287.4	2525.0	2717.8
-45°	598.8	749.9	909.9	1089.8	1274.3	1471.2	1673.7	1879.3	2105.4	2329.7	2540.6
-47.5°	544.1	689.3	841.8	988.7	1160.0	1340.7	1529.8	1723.7	1917.3	2123.2	2326.9
-50°	487.0	621.9	762.6	897.1	1043.5	1208.0	1381.6	1562.1	1744.7	1917.5	2096.8
-52.5°	434.2	548.3	677.1	806.1	934.6	1074.5	1231.4	1394.5	1563.4	1731.7	1883.2
-55°	377.1	479.8	586.8	708.5	831.4	952.4	1079.7	1227.3	1370.8	1525.5	1674.5
-57.5°	334.5	410.0	503.8	605.0	720.0	837.0	949.8	1060.9	1186.0	1315.4	1446.8
-60°	300.5	353.4	425.1	511.4	602.0	710.0	820.8	923.4	1017.8	1114.2	1233.2
-62.5°	269.0	312.5	362.3	422.4	501.2	581.4	676.8	774.6	866.5	954.6	1043.1
-65°	253.7	276.5	314.2	359.0	404.1	472.5	545.5	620.4	704.6	785.5	867.8
-67.5°	237.7	259.3	280.1	304.6	345.2	385.0	424.5	490.5	556.4	615.8	675.7
-70°	225.3	242.2	261.0	279.3	297.6	321.1	357.0	393.9	429.5	469.0	519.3
-72.5°	213.1	228.3	243.4	258.2	274.8	291.7	308.8	326.8	353.0	383.5	411.0
-75°	200.7	213.9	227.2	240.5	254.2	268.2	282.7	298.6	314.9	331.2	345.8
-77.5°	188.0	200.4	211.8	223.0	234.7	247.2	260.1	273.1	286.4	300.0	311.4
-80°	175.1	186.8	196.8	206.6	216.6	226.9	238.0	249.2	260.4	271.8	281.7
-82.5°	161.9	171.9	180.8	189.6	198.3	206.8	216.4	226.2	236.0	245.7	254.1
-85°	149.2	156.8	164.5	172.1	179.7	187.1	195.7	204.3	212.5	220.6	227.9
-87.5°	139.6	146.7	153.2	159.6	165.6	171.6	179.0	186.4	192.8	199.1	205.1
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.8	1.2	1.2



REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	195.3	198.9	202.5	205.5	208.5	212.7	216.9	222.9	228.9	236.1	243.3
87.5°	2.2	2.2	2.2	1.7	1.2	1.2	1.2	1.2	1.2	1.8	2.4
85°	2.4	2.4	2.4	2.7	3.1	3.2	3.3	3.4	3.4	3.5	3.6
82.5°	3.0	3.0	3.1	3.4	3.6	3.6	3.6	3.6	3.6	4.1	4.7
80°	3.9	4.0	4.2	4.3	4.3	4.1	3.7	3.6	3.6	4.2	4.8
77.5°	4.9	5.0	4.8	4.6	4.2	3.9	3.6	3.6	3.6	3.7	3.7
75°	5.9	6.0	6.4	6.7	7.3	7.4	6.9	7.0	7.4	7.3	6.9
72.5°	13.2	13.6	13.6	15.1	16.6	17.2	17.6	18.8	20.2	22.0	24.1
70°	25.8	28.4	29.5	29.6	28.4	27.7	27.1	27.0	27.4	28.7	30.3
67.5°	37.1	38.2	37.7	37.2	35.0	32.4	29.4	27.8	28.4	29.8	31.7
65°	41.9	38.6	36.3	35.4	33.4	30.0	25.5	22.3	21.7	21.2	21.0
62.5°	37.7	31.8	29.0	27.4	24.5	21.7	17.5	14.2	13.0	12.2	12.0
60°	32.9	25.6	21.1	18.9	15.8	12.3	10.1	7.7	7.0	6.5	6.6
57.5°	28.6	21.2	15.9	15.0	12.1	9.5	7.7	5.7	5.1	4.8	5.0
55°	29.4	25.7	21.5	19.3	16.1	14.6	12.9	11.6	10.6	10.8	11.5
52.5°	41.6	44.7	39.3	37.9	47.2	47.3	39.0	51.8	59.6	65.4	67.1
50°	107.3	106.6	141.6	135.7	168.0	194.5	195.6	211.7	242.3	263.3	274.6
47.5°	285.0	317.0	357.8	400.7	434.2	476.0	518.4	550.1	557.8	558.6	564.2
45°	536.4	582.1	643.6	688.6	752.1	791.2	823.6	853.0	920.9	983.4	1056.3
42.5°	749.1	799.0	862.7	954.3	1021.1	1199.5	1472.4	1539.5	1549.1	1604.7	1685.5
40°	917.0	982.5	1123.9	1324.5	1752.1	2135.5	2204.6	2262.2	2287.6	2256.8	2311.7
37.5°	1120.2	1273.6	1592.1	2140.8	2343.5	2447.9	2521.3	2565.4	2619.0	2668.5	2695.5
35°	1457.7	1885.0	2164.2	2457.3	2589.8	2642.7	2696.7	2751.0	2793.0	2847.9	2891.7
32.5°	2150.3	2626.1	2654.1	2726.5	2795.6	2864.5	2914.8	2966.5	3011.4	3082.4	3231.4
30°	2848.0	2951.8	2977.2	2983.7	3046.8	3129.2	3172.9	3277.4	3418.4	3580.3	3924.5
27.5°	3219.5	3290.8	3305.7	3312.8	3342.2	3439.7	3620.5	3763.1	4101.7	4512.6	5397.4
25°	3671.8	3722.6	3776.4	3774.1	3818.7	3991.5	4345.0	4646.1	5789.9	6860.3	9166.3
22.5°	4103.3	4256.8	4333.3	4435.8	4587.2	4901.6	5521.9	7264.2	10177.4	13895.0	18523.1
20°	4403.2	4609.7	4815.5	5101.5	5467.5	6120.0	8057.7	13271.5	19497.8	28532.6	36110.4
17.5°	4705.7	4939.0	5303.0	5744.2	6358.9	8549.8	14230.7	23083.5	35869.9	51909.5	65982.6
15°	5100.1	5377.0	5864.4	6494.3	8211.9	12888.5	22365.3	38473.8	57911.6	80458.7	104110.3
12.5°	5368.8	5750.3	6329.7	7143.2	9962.5	18721.3	33979.9	56062.6	82815.7	111225.7	148927.0
10°	5567.3	6023.5	6810.5	8497.1	13609.2	25159.5	43495.4	71054.4	107732.0	151030.9	194134.8
7.5°	5733.9	6348.4	7336.4	9461.6	16755.5	31317.6	54690.2	88187.0	131582.8	183755.8	233881.9
5°	5883.8	6698.3	7842.5	10501.3	19574.7	35776.3	62135.0	100981.8	151234.6	208216.2	263558.9
2.5°	6081.9	7025.9	8170.8	10787.4	20703.1	38246.8	68034.1	111313.5	165265.8	225206.6	285419.7
0°	6357.0	7239.0	8371.4	10970.5	20352.1	39794.7	71649.4	116498.6	171414.8	232342.8	295496.2
-2.5°	6573.4	7361.7	8488.3	10823.0	20180.4	39066.7	70017.7	113476.1	165394.8	224269.0	287265.3
-5°	6713.2	7449.8	8539.5	10878.1	19747.4	36284.3	65198.5	105556.9	153135.8	206281.1	264533.7
-7.5°	6795.0	7482.0	8486.4	10531.3	17780.6	32493.7	56620.6	90960.0	133642.2	182819.9	230961.8
-10°	6844.0	7461.2	8375.3	10040.6	14956.0	26407.0	44700.6	73804.2	110785.9	150412.7	189791.0
-12.5°	6862.4	7417.1	8218.6	9337.8	11991.3	20673.4	35583.4	56238.2	83690.0	116196.1	150894.9
-15°	6826.4	7353.0	8067.2	9036.2	10801.5	15497.8	24829.5	38877.2	59338.8	84157.2	109301.6
-17.5°	6692.3	7286.9	7842.9	8586.9	9626.0	11840.7	17520.2	26536.9	39014.9	55419.5	69926.5
-20°	6514.7	7162.2	7638.1	8295.7	9111.6	10125.3	11946.7	17449.5	24446.3	33943.5	43411.9



REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6356.5	6948.9	7547.4	7998.7	8637.7	9304.0	10126.6	11700.7	15216.5	19958.0	25960.3
-25°	6210.7	6752.9	7367.0	7855.1	8215.6	8686.6	9201.9	9753.4	10947.6	12067.3	14963.0
-27.5°	6005.2	6566.9	7099.5	7620.5	7967.9	8181.6	8532.8	8875.5	9375.6	9820.4	10670.8
-30°	5766.2	6315.8	6822.6	7295.9	7651.8	7876.6	8050.8	8286.4	8551.1	8820.4	9185.8
-32.5°	4914.5	6020.7	6492.5	6919.9	7287.0	7551.3	7735.7	7890.5	8043.3	8215.6	8408.2
-35°	3981.5	5074.1	6138.7	6471.9	6818.8	7168.8	7442.1	7588.2	7721.2	7841.9	7959.7
-37.5°	3237.1	4008.0	4963.5	5871.6	6293.1	6646.5	6975.1	7230.3	7416.7	7529.8	7635.8
-40°	2945.8	3141.2	3875.9	4623.8	5342.9	5995.8	6329.9	6707.1	7013.7	7179.9	7295.2
-42.5°	2876.2	2965.8	3034.4	3508.2	4080.3	4630.8	5240.0	5844.8	6319.3	6635.7	6870.9
-45°	2723.5	2852.6	2955.0	2997.2	3023.1	3424.5	3896.3	4358.1	4891.0	5441.5	5941.2
-47.5°	2507.4	2675.3	2790.9	2881.3	2935.4	2952.4	2985.6	3089.2	3476.0	3882.9	4270.3
-50°	2266.3	2420.2	2558.7	2684.5	2759.4	2820.1	2878.2	2933.9	2981.1	3040.6	3094.3
-52.5°	2023.5	2164.5	2289.0	2399.5	2498.8	2594.5	2686.7	2755.5	2822.8	2894.9	2953.6
-55°	1807.3	1921.6	2025.9	2122.9	2212.4	2293.4	2376.6	2465.6	2557.6	2647.6	2717.5
-57.5°	1576.1	1685.4	1784.2	1866.4	1938.5	1998.9	2075.3	2158.6	2245.2	2325.4	2386.3
-60°	1343.0	1439.6	1530.0	1609.6	1678.0	1734.3	1804.9	1875.4	1952.6	2021.2	2075.5
-62.5°	1121.5	1203.0	1279.8	1349.4	1411.6	1468.6	1531.3	1594.3	1666.8	1730.7	1782.5
-65°	937.4	1000.6	1053.2	1102.5	1141.0	1190.3	1251.0	1309.1	1372.3	1427.6	1473.7
-67.5°	738.1	796.4	844.5	887.6	921.4	956.7	1001.6	1047.9	1096.9	1140.9	1179.6
-70°	564.0	603.2	634.4	666.6	701.3	734.9	770.8	810.4	851.6	887.9	919.8
-72.5°	435.0	454.4	472.6	498.9	522.1	545.5	568.3	596.6	627.1	654.7	679.6
-75°	359.4	371.4	385.4	397.8	408.6	421.1	433.6	452.0	472.1	491.0	508.9
-77.5°	322.5	331.1	338.1	343.9	349.0	356.6	364.7	378.4	393.1	409.1	425.1
-80°	291.1	297.7	303.6	308.7	313.3	319.6	326.0	338.1	350.7	364.3	377.7
-82.5°	262.2	267.4	272.1	276.8	281.2	286.6	291.8	302.4	313.3	324.6	335.7
-85°	234.9	239.4	243.5	247.3	250.9	255.5	260.0	269.1	278.2	287.8	297.3
-87.5°	211.0	215.1	219.1	222.5	225.9	229.9	233.8	241.7	249.6	257.6	265.6
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	243.9	244.5	245.1	245.7	245.1	244.5	243.9	243.3	236.1	228.9	222.9
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.8	1.2	1.2
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4
82.5°	4.2	3.6	4.2	4.8	4.2	3.6	4.2	4.7	4.1	3.6	3.6
80°	4.2	3.6	4.2	4.8	4.2	3.6	4.2	4.8	4.2	3.6	3.6
77.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.6	3.6
75°	6.0	4.9	4.2	3.6	4.2	4.9	6.0	6.9	7.3	7.4	7.0
72.5°	24.7	24.7	25.1	25.2	25.1	24.7	24.7	24.1	22.0	20.2	18.8
70°	31.3	32.1	32.3	32.4	32.3	32.1	31.3	30.3	28.7	27.4	27.0
67.5°	31.9	31.3	30.7	30.0	30.7	31.3	31.9	31.7	29.8	28.4	27.8
65°	20.0	18.7	16.5	14.4	16.5	18.7	20.0	21.0	21.2	21.7	22.3
62.5°	11.6	11.1	10.9	10.8	10.9	11.1	11.6	12.0	12.2	13.0	14.2
60°	6.8	7.2	7.2	7.2	7.2	7.2	6.8	6.6	6.5	7.0	7.7
57.5°	5.2	5.8	6.5	7.2	6.5	5.8	5.2	5.0	4.8	5.1	5.7
55°	12.3	13.6	14.3	14.4	14.3	13.6	12.3	11.5	10.8	10.6	11.6
52.5°	64.8	61.4	58.6	56.3	58.6	61.4	64.8	67.1	65.4	59.6	51.8
50°	279.7	287.0	290.4	290.0	290.4	287.0	279.7	274.6	263.3	242.3	211.7
47.5°	576.1	580.2	576.9	568.0	576.9	580.2	576.1	564.2	558.6	557.8	550.1
45°	1145.4	1095.7	1007.6	929.9	1007.6	1095.7	1145.4	1056.3	983.4	920.9	853.0
42.5°	1792.9	1852.3	1896.8	1917.3	1896.8	1852.3	1792.9	1685.5	1604.7	1549.1	1539.5
40°	2249.9	2186.5	2173.7	2183.3	2173.7	2186.5	2249.9	2311.7	2256.8	2287.6	2262.2
37.5°	2702.3	2759.9	2802.6	2733.3	2802.6	2759.9	2702.3	2695.5	2668.5	2619.0	2565.4
35°	2993.6	3198.6	3439.3	3512.2	3439.3	3198.6	2993.6	2891.7	2847.9	2793.0	2751.0
32.5°	3480.9	3697.4	3791.2	3814.2	3791.2	3697.4	3480.9	3231.4	3082.4	3011.4	2966.5
30°	4256.3	4472.5	4511.4	4542.8	4511.4	4472.5	4256.3	3924.5	3580.3	3418.4	3277.4
27.5°	5984.6	6468.3	6583.1	6663.8	6583.1	6468.3	5984.6	5397.4	4512.6	4101.7	3763.1
25°	10986.8	12245.1	13067.0	12987.3	13067.0	12245.1	10986.8	9166.3	6860.3	5789.9	4646.1
22.5°	23160.2	25630.2	26948.2	26924.8	26948.2	25630.2	23160.2	18523.1	13895.0	10177.4	7264.2
20°	46906.3	54215.0	58170.9	57720.2	58170.9	54215.0	46906.3	36110.4	28532.6	19497.8	13271.5
17.5°	81789.7	95905.7	105767.5	106171.5	105767.5	95905.7	81789.7	65982.6	51909.5	35869.9	23083.5
15°	126471.2	147415.9	162201.6	162199.7	162201.6	147415.9	126471.2	104110.3	80458.7	57911.6	38473.8
12.5°	180851.2	205887.0	222804.2	225341.2	222804.2	205887.0	180851.2	148927.0	111225.7	82815.7	56062.6
10°	233041.6	261399.7	286974.8	294016.3	286974.8	261399.7	233041.6	194134.8	151030.9	107732.0	71054.4
7.5°	277216.6	321826.1	345122.4	352459.7	345122.4	321826.1	277216.6	233881.9	183755.8	131582.8	88187.0
5°	320577.1	359190.3	378749.6	384412.1	378749.6	359190.3	320577.1	263558.9	208216.2	151234.6	100981.8
2.5°	343386.1	378829.2	406320.1	422263.1	406320.1	378829.2	343386.1	285419.7	225206.6	165265.8	111313.5
0°	351967.9	385641.6	422509.4	447620.6	422509.4	385641.6	351967.9	295496.2	232342.8	171414.8	116498.6
-2.5°	343384.2	375967.6	403136.9	416364.5	403136.9	375967.6	343384.2	287265.3	224269.0	165394.8	113476.1
-5°	317364.5	355689.9	375471.2	380479.2	375471.2	355689.9	317364.5	264533.7	206281.1	153135.8	105556.9
-7.5°	275807.4	312666.7	336919.9	342382.5	336919.9	312666.7	275807.4	230961.8	182819.9	133642.2	90960.0
-10°	229542.0	261026.1	277388.1	281434.1	277388.1	261026.1	229542.0	189791.0	150412.7	110785.9	73804.2
-12.5°	178359.2	201448.3	218150.3	220417.3	218150.3	201448.3	178359.2	150894.9	116196.1	83690.0	56238.2
-15°	132760.9	148030.8	161496.1	163043.4	161496.1	148030.8	132760.9	109301.6	84157.2	59338.8	38877.2
-17.5°	88942.9	101585.1	109119.3	111293.1	109119.3	101585.1	88942.9	69926.5	55419.5	39014.9	26536.9
-20°	53291.5	62337.9	67358.9	67547.6	67358.9	62337.9	53291.5	43411.9	33943.5	24446.3	17449.5



REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	30917.1	35950.6	38607.2	38555.6	38607.2	35950.6	30917.1	25960.3	19958.0	15216.5	11700.7
-25°	17830.5	20034.4	20914.0	20945.3	20914.0	20034.4	17830.5	14963.0	12067.3	10947.6	9753.4
-27.5°	11353.5	11859.4	12062.1	12094.6	12062.1	11859.4	11353.5	10670.8	9820.4	9375.6	8875.5
-30°	9519.0	9814.9	9951.0	9989.1	9951.0	9814.9	9519.0	9185.8	8820.4	8551.1	8286.4
-32.5°	8589.0	8752.1	8862.0	8845.9	8862.0	8752.1	8589.0	8408.2	8215.6	8043.3	7890.5
-35°	8074.8	8175.8	8237.6	8267.1	8237.6	8175.8	8074.8	7959.7	7841.9	7721.2	7588.2
-37.5°	7741.4	7831.7	7890.2	7907.7	7890.2	7831.7	7741.4	7635.8	7529.8	7416.7	7230.3
-40°	7394.5	7469.6	7517.7	7535.0	7517.7	7469.6	7394.5	7295.2	7179.9	7013.7	6707.1
-42.5°	7020.1	7100.8	7139.2	7139.5	7139.2	7100.8	7020.1	6870.9	6635.7	6319.3	5844.8
-45°	6351.2	6599.6	6724.0	6729.7	6724.0	6599.6	6351.2	5941.2	5441.5	4891.0	4358.1
-47.5°	4622.6	4868.1	5065.5	5211.5	5065.5	4868.1	4622.6	4270.3	3882.9	3476.0	3089.2
-50°	3141.2	3157.3	3158.4	3144.4	3158.4	3157.3	3141.2	3094.3	3040.6	2981.1	2933.9
-52.5°	2999.4	3016.2	3028.5	3035.3	3028.5	3016.2	2999.4	2953.6	2894.9	2822.8	2755.5
-55°	2769.2	2790.4	2799.0	2795.7	2799.0	2790.4	2769.2	2717.5	2647.6	2557.6	2465.6
-57.5°	2427.2	2441.1	2447.7	2445.8	2447.7	2441.1	2427.2	2386.3	2325.4	2245.2	2158.6
-60°	2108.7	2119.0	2125.0	2124.6	2125.0	2119.0	2108.7	2075.5	2021.2	1952.6	1875.4
-62.5°	1811.6	1820.9	1827.7	1828.6	1827.7	1820.9	1811.6	1782.5	1730.7	1666.8	1594.3
-65°	1496.9	1503.9	1508.4	1507.5	1508.4	1503.9	1496.9	1473.7	1427.6	1372.3	1309.1
-67.5°	1196.6	1201.5	1205.6	1205.5	1205.6	1201.5	1196.6	1179.6	1140.9	1096.9	1047.9
-70°	929.9	930.4	932.3	931.1	932.3	930.4	929.9	919.8	887.9	851.6	810.4
-72.5°	685.3	684.7	684.4	681.8	684.4	684.7	685.3	679.6	654.7	627.1	596.6
-75°	510.6	508.9	507.1	504.5	507.1	508.9	510.6	508.9	491.0	472.1	452.0
-77.5°	427.0	426.9	424.1	420.6	424.1	426.9	427.0	425.1	409.1	393.1	378.4
-80°	378.5	378.1	376.8	375.1	376.8	378.1	378.5	377.7	364.3	350.7	338.1
-82.5°	336.9	337.5	337.2	336.7	337.2	337.5	336.9	335.7	324.6	313.3	302.4
-85°	298.4	299.3	298.9	298.4	298.9	299.3	298.4	297.3	287.8	278.2	269.1
-87.5°	266.4	267.1	267.2	267.2	267.2	267.1	266.4	265.6	257.6	249.6	241.7
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	216.9	212.7	208.5	205.5	202.5	198.9	195.3	189.9	184.5	179.2	173.8
87.5°	1.2	1.2	1.2	1.7	2.2	2.2	2.2	2.2	2.1	2.2	2.4
85°	3.3	3.2	3.1	2.7	2.4	2.4	2.4	2.8	3.0	3.0	2.9
82.5°	3.6	3.6	3.6	3.4	3.1	3.0	3.0	3.3	3.6	3.6	3.6
80°	3.7	4.1	4.3	4.3	4.2	4.0	3.9	3.8	3.7	3.6	3.7
77.5°	3.6	3.9	4.2	4.6	4.8	5.0	4.9	4.7	4.7	4.9	4.9
75°	6.9	7.4	7.3	6.7	6.4	6.0	5.9	5.7	5.6	5.8	6.0
72.5°	17.6	17.2	16.6	15.1	13.6	13.6	13.2	12.0	9.9	7.5	6.0
70°	27.1	27.7	28.4	29.6	29.5	28.4	25.8	22.7	19.5	16.1	12.4
67.5°	29.4	32.4	35.0	37.2	37.7	38.2	37.1	35.4	34.8	31.7	22.9
65°	25.5	30.0	33.4	35.4	36.3	38.6	41.9	42.4	45.9	46.5	38.0
62.5°	17.5	21.7	24.5	27.4	29.0	31.8	37.7	43.8	52.6	56.2	48.7
60°	10.1	12.3	15.8	18.9	21.1	25.6	32.9	42.6	54.2	55.6	53.7
57.5°	7.7	9.5	12.1	15.0	15.9	21.2	28.6	40.1	51.8	54.0	50.7
55°	12.9	14.6	16.1	19.3	21.5	25.7	29.4	38.9	50.3	55.0	55.3
52.5°	39.0	47.3	47.2	37.9	39.3	44.7	41.6	49.1	56.6	62.9	65.3
50°	195.6	194.5	168.0	135.7	141.6	106.6	107.3	94.7	84.1	87.2	83.8
47.5°	518.4	476.0	434.2	400.7	357.8	317.0	285.0	225.0	207.0	146.7	145.3
45°	823.6	791.2	752.1	688.6	643.6	582.1	536.4	476.6	405.3	344.9	245.7
42.5°	1472.4	1199.5	1021.1	954.3	862.7	799.0	749.1	697.5	644.4	568.6	476.4
40°	2204.6	2135.5	1752.1	1324.5	1123.9	982.5	917.0	871.9	844.5	786.3	698.4
37.5°	2521.3	2447.9	2343.5	2140.8	1592.1	1273.6	1120.2	1032.6	1025.7	971.8	893.9
35°	2696.7	2642.7	2589.8	2457.3	2164.2	1885.0	1457.7	1253.1	1154.1	1130.9	1066.9
32.5°	2914.8	2864.5	2795.6	2726.5	2654.1	2626.1	2150.3	1649.9	1314.7	1249.2	1192.7
30°	3172.9	3129.2	3046.8	2983.7	2977.2	2951.8	2848.0	2238.4	1696.2	1351.9	1312.9
27.5°	3620.5	3439.7	3342.2	3312.8	3305.7	3290.8	3219.5	2932.2	2148.4	1638.9	1415.5
25°	4345.0	3991.5	3818.7	3774.1	3776.4	3722.6	3671.8	3434.4	2850.2	1986.1	1521.7
22.5°	5521.9	4901.6	4587.2	4435.8	4333.3	4256.8	4103.3	3881.7	3578.3	2484.0	1818.4
20°	8057.7	6120.0	5467.5	5101.5	4815.5	4609.7	4403.2	4199.4	3858.1	3088.6	2131.4
17.5°	14230.7	8549.8	6358.9	5744.2	5303.0	4939.0	4705.7	4445.1	4109.2	3567.5	2395.4
15°	22365.3	12888.5	8211.9	6494.3	5864.4	5377.0	5100.1	4767.6	4412.9	3865.0	2782.7
12.5°	33979.9	18721.3	9962.5	7143.2	6329.7	5750.3	5368.8	5095.5	4712.1	4175.4	3252.1
10°	43495.4	25159.5	13609.2	8497.1	6810.5	6023.5	5567.3	5272.6	4925.0	4459.4	3690.6
7.5°	54690.2	31317.6	16755.5	9461.6	7336.4	6348.4	5733.9	5397.5	5065.7	4570.9	3930.6
5°	62135.0	35776.3	19574.7	10501.3	7842.5	6698.3	5883.8	5487.4	5135.9	4606.2	4092.1
2.5°	68034.1	38246.8	20703.1	10787.4	8170.8	7025.9	6081.9	5599.2	5185.9	4648.9	4215.1
0°	71649.4	39794.7	20352.1	10970.5	8371.4	7239.0	6357.0	5723.1	5207.9	4675.8	4281.6
-2.5°	70017.7	39066.7	20180.4	10823.0	8488.3	7361.7	6573.4	6001.4	5328.8	4715.1	4310.1
-5°	65198.5	36284.3	19747.4	10878.1	8539.5	7449.8	6713.2	6178.2	5440.4	4761.9	4283.5
-7.5°	56620.6	32493.7	17780.6	10531.3	8486.4	7482.0	6795.0	6267.1	5580.5	4908.7	4253.0
-10°	44700.6	26407.0	14956.0	10040.6	8375.3	7461.2	6844.0	6274.5	5633.9	5014.8	4149.8
-12.5°	35583.4	20673.4	11991.3	9337.8	8218.6	7417.1	6862.4	6229.0	5654.0	5112.6	4025.8
-15°	24829.5	15497.8	10801.5	9036.2	8067.2	7353.0	6826.4	6143.7	5632.9	5156.3	3795.8
-17.5°	17520.2	11840.7	9626.0	8586.9	7842.9	7286.9	6692.3	6078.8	5568.0	4921.8	3441.4
-20°	11946.7	10125.3	9111.6	8295.7	7638.1	7162.2	6514.7	5982.2	5440.2	4430.7	3182.1



REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10126.6	9304.0	8637.7	7998.7	7547.4	6948.9	6356.5	5836.6	5253.0	3874.2	2896.2
-25°	9201.9	8686.6	8215.6	7855.1	7367.0	6752.9	6210.7	5605.4	4618.7	3414.2	2632.9
-27.5°	8532.8	8181.6	7967.9	7620.5	7099.5	6566.9	6005.2	5254.2	3893.4	3040.2	2640.2
-30°	8050.8	7876.6	7651.8	7295.9	6822.6	6315.8	5766.2	4492.4	3398.4	2747.5	2630.6
-32.5°	7735.7	7551.3	7287.0	6919.9	6492.5	6020.7	4914.5	3775.4	2942.1	2729.0	2568.8
-35°	7442.1	7168.8	6818.8	6471.9	6138.7	5074.1	3981.5	3161.3	2822.6	2685.3	2484.4
-37.5°	6975.1	6646.5	6293.1	5871.6	4963.5	4008.0	3237.1	2899.1	2779.2	2589.3	2359.1
-40°	6329.9	5995.8	5342.9	4623.8	3875.9	3141.2	2945.8	2852.7	2669.9	2461.4	2207.8
-42.5°	5240.0	4630.8	4080.3	3508.2	3034.4	2965.8	2876.2	2717.8	2525.0	2287.4	2048.3
-45°	3896.3	3424.5	3023.1	2997.2	2955.0	2852.6	2723.5	2540.6	2329.7	2105.4	1879.3
-47.5°	2985.6	2952.4	2935.4	2881.3	2790.9	2675.3	2507.4	2326.9	2123.2	1917.3	1723.7
-50°	2878.2	2820.1	2759.4	2684.5	2558.7	2420.2	2266.3	2096.8	1917.5	1744.7	1562.1
-52.5°	2686.7	2594.5	2498.8	2399.5	2289.0	2164.5	2023.5	1883.2	1731.7	1563.4	1394.5
-55°	2376.6	2293.4	2212.4	2122.9	2025.9	1921.6	1807.3	1674.5	1525.5	1370.8	1227.3
-57.5°	2075.3	1998.9	1938.5	1866.4	1784.2	1685.4	1576.1	1446.8	1315.4	1186.0	1060.9
-60°	1804.9	1734.3	1678.0	1609.6	1530.0	1439.6	1343.0	1233.2	1114.2	1017.8	923.4
-62.5°	1531.3	1468.6	1411.6	1349.4	1279.8	1203.0	1121.5	1043.1	954.6	866.5	774.6
-65°	1251.0	1190.3	1141.0	1102.5	1053.2	1000.6	937.4	867.8	785.5	704.6	620.4
-67.5°	1001.6	956.7	921.4	887.6	844.5	796.4	738.1	675.7	615.8	556.4	490.5
-70°	770.8	734.9	701.3	666.6	634.4	603.2	564.0	519.3	469.0	429.5	393.9
-72.5°	568.3	545.5	522.1	498.9	472.6	454.4	435.0	411.0	383.5	353.0	326.8
-75°	433.6	421.1	408.6	397.8	385.4	371.4	359.4	345.8	331.2	314.9	298.6
-77.5°	364.7	356.6	349.0	343.9	338.1	331.1	322.5	311.4	300.0	286.4	273.1
-80°	326.0	319.6	313.3	308.7	303.6	297.7	291.1	281.7	271.8	260.4	249.2
-82.5°	291.8	286.6	281.2	276.8	272.1	267.4	262.2	254.1	245.7	236.0	226.2
-85°	260.0	255.5	250.9	247.3	243.5	239.4	234.9	227.9	220.6	212.5	204.3
-87.5°	233.8	229.9	225.9	222.5	219.1	215.1	211.0	205.1	199.1	192.8	186.4
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	2.4



REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	166.6	159.4	154.0	148.6	142.6	136.6	130.0	123.4	115.0	106.6	96.5
87.5°	2.4	2.4	2.8	3.1	3.0	3.0	3.0	2.9	3.1	3.2	3.5
85°	2.8	2.8	3.1	3.6	3.6	3.6	3.5	3.4	3.8	4.0	4.1
82.5°	3.6	3.5	3.5	3.6	4.0	4.2	4.1	4.0	4.4	4.8	4.6
80°	4.1	4.3	4.1	4.0	4.4	4.8	4.6	4.5	4.9	5.3	5.2
77.5°	5.0	5.0	4.8	4.6	4.7	4.9	5.0	5.1	5.4	5.7	5.7
75°	6.0	5.6	5.0	5.0	5.1	5.0	5.4	5.7	6.1	6.2	6.3
72.5°	6.0	6.0	5.5	5.4	6.1	6.3	6.3	6.4	6.9	7.2	7.1
70°	9.1	7.1	6.6	6.9	7.3	7.8	7.9	8.0	7.8	8.3	8.3
67.5°	14.5	12.0	9.9	8.7	8.8	9.3	9.5	10.0	10.0	9.5	9.6
65°	27.9	20.2	14.2	12.5	11.1	11.0	11.2	12.2	12.3	12.0	11.0
62.5°	40.0	31.0	23.8	17.9	14.9	14.9	13.3	14.7	14.7	14.7	13.3
60°	50.9	41.6	34.4	28.3	22.8	20.1	19.0	17.6	17.9	17.5	16.1
57.5°	51.2	50.5	47.3	40.0	34.9	29.2	26.2	23.8	21.6	21.3	19.1
55°	52.1	52.7	59.0	54.8	49.5	41.9	36.6	32.2	27.0	25.6	22.2
52.5°	62.3	64.0	69.0	72.4	68.5	57.8	52.2	41.3	37.2	30.3	26.6
50°	79.9	86.1	86.8	92.9	89.8	82.8	69.3	58.0	48.3	37.0	31.3
47.5°	124.7	130.3	119.3	122.3	116.7	111.5	95.2	78.2	60.3	48.2	36.2
45°	237.0	203.9	184.7	168.8	154.4	148.4	126.5	100.5	80.9	60.0	41.4
42.5°	384.1	334.5	295.8	224.7	216.4	191.7	164.2	134.7	103.1	72.3	49.9
40°	591.6	496.8	431.1	355.4	293.0	240.7	212.8	173.3	126.8	87.8	60.9
37.5°	787.0	665.8	582.4	490.3	389.3	320.8	266.2	214.6	155.0	109.5	72.2
35°	944.1	823.8	710.7	615.7	513.3	401.1	323.5	260.8	191.3	132.1	83.7
32.5°	1086.6	958.7	830.5	723.5	612.3	479.4	390.4	306.6	227.8	155.4	95.8
30°	1212.9	1090.6	944.6	812.0	693.8	561.5	453.7	349.5	264.4	179.5	109.8
27.5°	1350.6	1227.3	1060.4	908.1	765.6	632.8	504.2	389.3	301.0	203.9	128.1
25°	1480.2	1354.7	1189.2	1016.0	838.1	689.7	551.3	426.4	335.2	228.7	145.3
22.5°	1567.0	1462.1	1307.6	1130.2	918.0	745.2	597.4	466.9	358.4	251.4	161.6
20°	1637.0	1556.3	1412.1	1216.5	1004.9	810.8	643.4	499.5	380.0	271.9	176.7
17.5°	1736.8	1632.5	1486.4	1289.2	1084.6	876.9	687.8	530.1	399.8	290.2	190.7
15°	1982.2	1699.3	1558.6	1357.4	1146.2	933.3	731.0	559.1	417.7	306.4	203.3
12.5°	2236.7	1764.2	1628.4	1416.5	1191.6	981.5	772.5	586.2	433.9	322.9	214.5
10°	2475.5	1820.6	1693.4	1470.5	1231.0	1022.1	811.6	615.7	457.9	339.8	224.6
7.5°	2677.6	1872.0	1754.5	1519.3	1266.7	1058.7	851.1	652.7	482.1	355.4	233.5
5°	2848.1	1919.3	1813.8	1579.4	1308.9	1092.4	885.9	686.9	504.8	369.4	241.2
2.5°	2964.3	1962.2	1867.2	1635.5	1345.9	1120.5	915.7	717.9	525.6	381.6	247.6
0°	3041.3	2001.2	1912.5	1683.6	1376.9	1143.2	940.7	745.3	544.0	391.8	252.8
-2.5°	3065.5	2041.8	1949.7	1724.4	1426.4	1173.4	959.0	758.1	556.5	403.3	261.4
-5°	3048.3	2079.2	1980.0	1756.8	1467.9	1197.6	972.6	766.8	566.3	412.5	268.6
-7.5°	2996.3	2121.4	2005.3	1781.1	1499.8	1215.0	981.0	771.4	573.3	419.3	274.1
-10°	2907.4	2163.7	2025.5	1790.2	1504.7	1224.0	985.0	772.1	577.6	423.5	278.0
-12.5°	2795.6	2202.4	2038.1	1788.6	1498.8	1225.9	988.4	770.3	578.9	425.1	280.1
-15°	2652.7	2251.2	2054.1	1777.5	1485.5	1222.1	985.4	764.4	575.3	422.5	280.3
-17.5°	2465.4	2296.7	2064.4	1763.2	1467.3	1212.8	975.4	753.1	568.5	415.7	277.8
-20°	2460.7	2316.4	2058.8	1735.7	1441.2	1195.8	958.4	736.2	558.4	406.4	273.1



REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2495.0	2308.3	2026.4	1699.2	1410.0	1171.8	936.0	714.2	545.1	394.6	266.7
-25°	2513.8	2292.8	1981.1	1659.9	1378.0	1141.2	909.7	691.0	528.5	380.4	258.6
-27.5°	2483.2	2246.7	1922.0	1607.5	1341.5	1104.9	879.4	674.4	513.4	363.8	248.9
-30°	2430.7	2159.6	1849.8	1546.7	1294.3	1062.9	843.6	654.4	496.8	350.3	237.5
-32.5°	2352.5	2065.9	1768.2	1488.3	1240.5	1014.6	803.1	630.5	477.4	338.7	230.1
-35°	2229.2	1960.3	1680.6	1422.6	1180.9	965.2	764.4	602.7	455.4	324.2	223.7
-37.5°	2096.1	1839.1	1599.8	1351.3	1118.6	911.4	730.2	573.3	430.7	306.6	216.6
-40°	1956.6	1716.6	1495.6	1274.3	1054.4	853.4	691.2	540.2	406.6	286.0	207.9
-42.5°	1810.5	1596.8	1388.0	1184.6	984.4	804.5	647.4	501.8	377.7	270.6	197.7
-45°	1673.7	1471.2	1274.3	1089.8	909.9	749.9	598.8	459.6	345.6	257.2	190.0
-47.5°	1529.8	1340.7	1160.0	988.7	841.8	689.3	544.1	420.3	311.1	241.9	187.0
-50°	1381.6	1208.0	1043.5	897.1	762.6	621.9	487.0	377.9	290.5	223.9	183.3
-52.5°	1231.4	1074.5	934.6	806.1	677.1	548.3	434.2	334.1	268.3	214.0	178.8
-55°	1079.7	952.4	831.4	708.5	586.8	479.8	377.1	306.2	244.7	207.4	174.0
-57.5°	949.8	837.0	720.0	605.0	503.8	410.0	334.5	277.0	232.8	200.2	170.7
-60°	820.8	710.0	602.0	511.4	425.1	353.4	300.5	252.8	224.0	193.0	166.6
-62.5°	676.8	581.4	501.2	422.4	362.3	312.5	269.0	240.8	214.2	187.3	161.9
-65°	545.5	472.5	404.1	359.0	314.2	276.5	253.7	227.9	205.4	181.0	156.9
-67.5°	424.5	385.0	345.2	304.6	280.1	259.3	237.7	217.2	196.8	174.2	151.8
-70°	357.0	321.1	297.6	279.3	261.0	242.2	225.3	207.3	187.8	167.6	146.3
-72.5°	308.8	291.7	274.8	258.2	243.4	228.3	213.1	197.0	179.0	160.6	140.4
-75°	282.7	268.2	254.2	240.5	227.2	213.9	200.7	186.1	169.9	153.3	134.2
-77.5°	260.1	247.2	234.7	223.0	211.8	200.4	188.0	174.9	160.3	145.3	127.6
-80°	238.0	226.9	216.6	206.6	196.8	186.8	175.1	163.5	150.3	136.8	120.8
-82.5°	216.4	206.8	198.3	189.6	180.8	171.9	161.9	152.0	140.1	128.1	114.2
-85°	195.7	187.1	179.7	172.1	164.5	156.8	149.2	141.4	131.3	121.1	108.4
-87.5°	179.0	171.6	165.6	159.6	153.2	146.7	139.6	132.5	123.2	113.9	102.5
-90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0



REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	86.3	72.5	58.7	42.5	26.4	15.0	3.6
87.5°	3.9	4.0	4.0	3.9	3.8	3.9	3.6
85°	4.2	4.4	4.4	4.2	4.0	4.2	3.6
82.5°	4.6	4.8	4.8	4.5	4.2	4.5	3.6
80°	4.9	5.2	5.3	4.8	4.5	4.8	3.6
77.5°	5.6	5.7	5.7	5.2	4.7	5.0	3.6
75°	6.3	6.4	6.1	5.5	5.0	5.3	3.6
72.5°	7.0	7.1	6.8	5.8	5.3	5.6	3.6
70°	7.8	7.8	7.5	6.1	5.6	5.9	3.6
67.5°	9.3	8.5	8.2	6.8	5.9	6.2	3.6
65°	10.8	9.7	8.9	7.6	6.3	6.6	3.6
62.5°	12.4	11.3	9.7	8.3	6.7	6.9	3.6
60°	14.2	13.0	10.5	9.0	7.1	7.2	3.6
57.5°	16.8	14.7	12.1	9.8	7.9	7.5	3.6
55°	19.6	16.4	13.8	10.6	8.8	7.8	3.6
52.5°	22.5	18.4	15.5	11.4	9.6	8.1	3.6
50°	25.4	21.1	17.2	12.2	10.5	8.5	3.6
47.5°	28.6	23.9	19.0	13.1	11.4	8.8	3.6
45°	33.0	26.8	20.9	14.5	12.3	9.1	3.6
42.5°	37.6	29.7	22.7	15.9	13.2	9.5	3.6
40°	42.5	32.8	24.9	17.7	14.2	9.8	3.6
37.5°	47.9	36.0	27.3	19.6	15.1	10.1	3.6
35°	53.5	39.9	29.7	21.6	16.1	10.5	3.6
32.5°	60.4	44.3	32.1	23.6	17.1	10.8	3.6
30°	70.4	48.8	34.5	25.6	18.1	11.1	3.6
27.5°	80.2	53.2	37.6	27.6	19.1	11.5	3.6
25°	89.8	57.5	40.8	29.6	20.1	11.8	3.6
22.5°	99.2	61.9	43.8	31.5	21.0	12.1	3.6
20°	108.3	66.5	46.8	33.4	22.0	12.4	3.6
17.5°	116.8	70.8	49.7	35.3	23.0	12.7	3.6
15°	124.6	75.0	52.6	37.1	23.9	13.0	3.6
12.5°	131.8	78.9	55.3	38.9	24.8	13.3	3.6
10°	138.4	82.5	57.9	40.6	25.7	13.5	3.6
7.5°	144.4	85.9	60.4	42.3	26.5	13.8	3.6
5°	149.7	89.1	62.8	43.8	27.3	14.0	3.6
2.5°	154.3	92.0	65.0	45.3	28.1	14.2	3.6
0°	158.2	94.7	67.1	46.7	28.8	14.4	3.6
-2.5°	163.3	98.7	70.1	48.8	30.1	15.0	3.6
-5°	167.6	102.4	72.9	50.8	31.3	15.6	3.6
-7.5°	171.1	105.8	75.5	52.6	32.5	16.1	3.6
-10°	173.8	108.9	78.0	54.3	33.6	16.6	3.6
-12.5°	175.6	111.6	80.3	55.9	34.6	17.1	3.6
-15°	176.6	114.0	82.3	57.4	35.5	17.6	3.6
-17.5°	176.7	116.1	84.1	58.7	36.4	18.0	3.6
-20°	176.1	117.8	85.7	59.9	37.2	18.4	3.6



REPORT NUMBER: P1305844 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-57-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	174.7	119.2	87.1	61.0	37.9	18.8	3.6
-25°	172.4	120.4	88.3	61.8	38.6	19.1	3.6
-27.5°	169.2	121.4	89.2	62.6	39.1	19.4	3.6
-30°	165.1	122.0	89.9	63.1	39.6	19.7	3.6
-32.5°	160.1	122.3	90.8	63.5	40.0	19.9	3.6
-35°	158.3	122.2	91.4	63.8	40.3	20.1	3.6
-37.5°	157.8	122.1	91.8	63.8	40.5	20.2	3.6
-40°	156.8	122.3	92.0	63.7	40.6	20.4	3.6
-42.5°	155.4	122.2	92.0	63.6	40.6	20.4	3.6
-45°	153.5	121.9	91.9	63.5	40.5	20.5	3.6
-47.5°	151.0	121.2	91.6	63.2	40.4	20.5	3.6
-50°	149.3	120.3	90.9	63.1	40.1	20.4	3.6
-52.5°	147.4	119.1	90.0	62.8	39.8	20.4	3.6
-55°	145.1	117.3	88.9	62.4	39.3	20.2	3.6
-57.5°	142.4	115.2	87.5	61.8	38.8	20.1	3.6
-60°	139.3	112.8	86.0	61.1	38.2	19.9	3.6
-62.5°	136.1	110.2	84.6	60.2	37.6	19.7	3.6
-65°	132.5	107.3	83.1	59.1	37.0	19.4	3.6
-67.5°	128.5	104.4	81.4	57.9	36.3	19.1	3.6
-70°	124.3	101.4	79.4	56.6	35.4	18.8	3.6
-72.5°	120.0	98.2	77.3	55.2	34.5	18.4	3.6
-75°	115.3	94.7	75.0	53.8	33.6	18.0	3.6
-77.5°	110.3	91.0	72.6	52.2	32.5	17.6	3.6
-80°	105.0	87.5	70.1	50.5	31.4	17.1	3.6
-82.5°	100.5	84.0	67.5	48.7	30.2	16.6	3.6
-85°	95.9	80.3	64.7	46.7	29.0	16.1	3.6
-87.5°	91.2	76.5	61.8	44.7	27.7	15.6	3.6
-90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)