

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: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-530N-57-70-5S-VHE-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-5)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-530N-57-70-5S-VHE-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

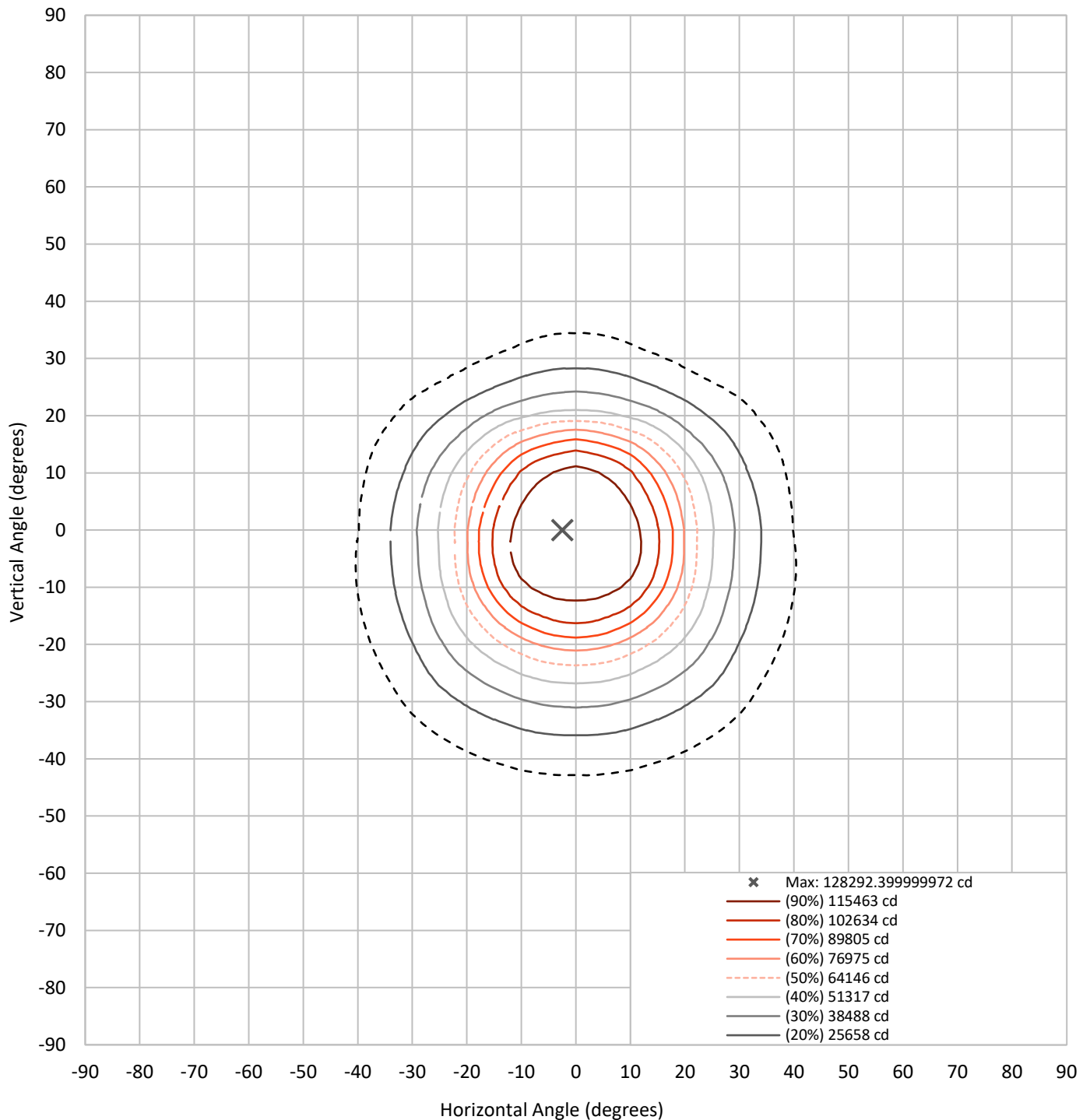
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	83535.7 lumens	Max Intensity:	128292.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	150.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	44.5°H x 42.5°V	Field Angle (10%):	79.6°H x 77.3°V
Beam Lumens:	45869 lumens	Field Lumens:	76759.1 lumens
Beam Efficiency:	54.9%	Field Efficiency:	91.9%

Input Watts (W): 554
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: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

Iso-Candela Plot





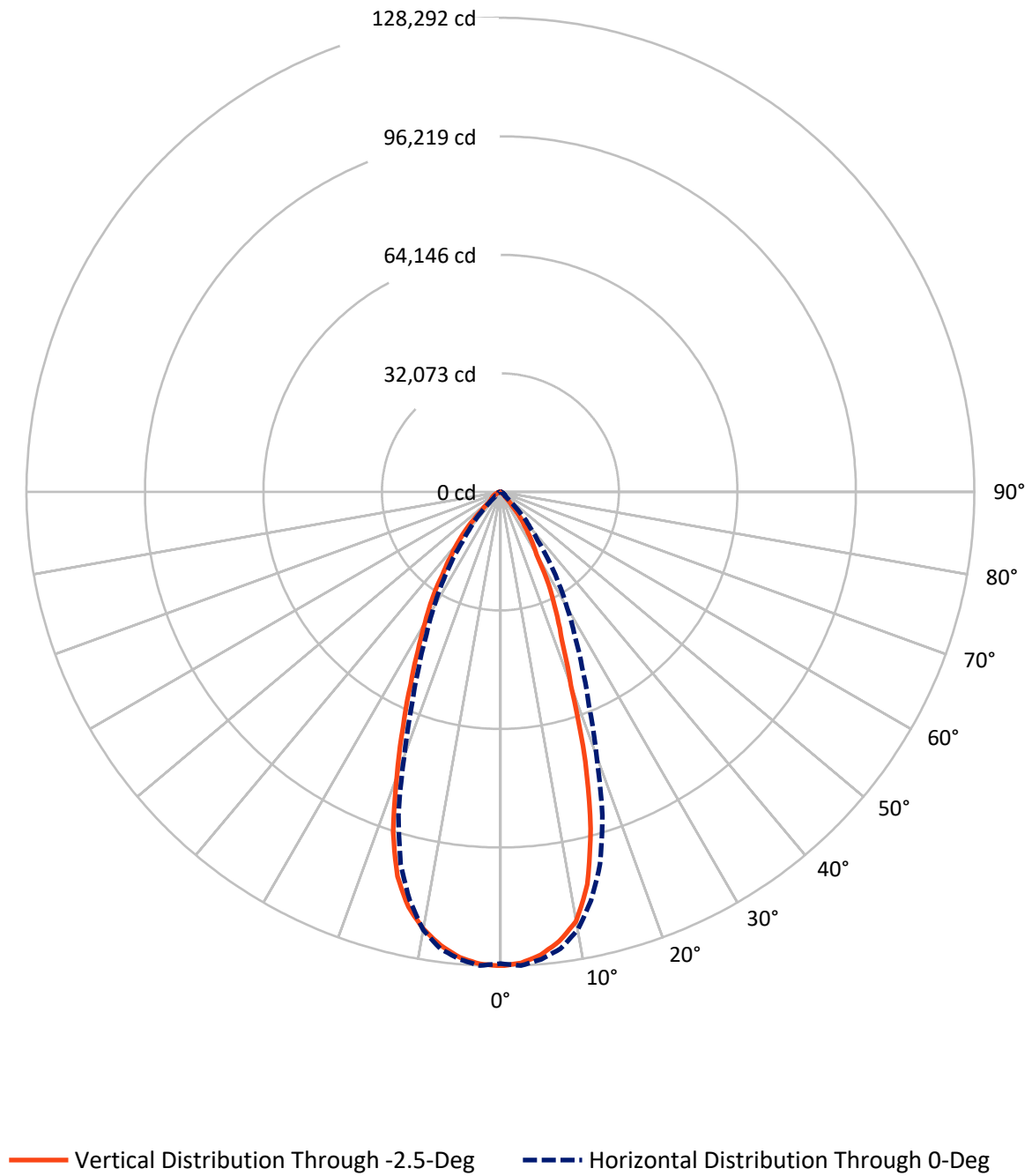
REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

Lumen Table

90	0.3	1.2		2.1		2.8		3.2		2.8		2.1		1.2		0.3			
80	0.3	1.2		2.1		2.8		3.2		2.8		2.1		1.2		0.3			
70	0.4	0.2	0.3	0.5	0.7	0.6	0.7	0.9	0.9	0.7	0.6	0.7	0.5	0.3	0.2	0.4			
60		0.4	0.7	1.2	1.2	0.9	1.1	1.2	1.2	1.1	0.9	1.2	1.2	0.7	0.4				
50	1.0	1.1	2.5	5.0	9.0	18.4	40.5	54.7	54.7	40.5	18.4	9.0	5.0	2.5	1.1	1.0			
40		2.5	8.3	16.9	42.9	127.5	236.2	348.0	348.0	236.2	127.5	42.9	16.9	8.3	2.5				
30	2.1	4.3	14.4	36.8	176.9	418.1	768.5	1055.1	1055.1	768.5	418.1	176.9	36.8	14.4	4.3	2.1			
20		5.9	19.3	83.2	386.2	954.8	1857.8	2655.1	2655.1	1857.8	954.8	386.2	83.2	19.3	5.9				
10	3.0	7.4	22.7	126.2	543.8	1386.5	2781.6	3689.9	3689.9	2781.6	1386.5	543.8	126.2	22.7	7.4	3.0			
0		8.2	25.3	134.5	585.9	1454.0	2951.0	3747.6	3747.6	2951.0	1454.0	585.9	134.5	25.3	8.2				
-10	3.6	8.5	26.6	110.9	498.9	1215.1	2289.1	3090.8	3090.8	2289.1	1215.1	498.9	110.9	26.6	8.5	3.6			
-20		8.1	26.6	68.9	323.5	804.5	1337.9	1734.3	1734.3	1337.9	804.5	323.5	68.9	26.6	8.1				
-30	3.6	7.2	23.3	49.6	131.7	391.4	658.5	836.6	836.6	658.5	391.4	131.7	49.6	23.3	7.2	3.6			
-40		6.1	17.3	37.5	63.5	103.8	194.3	272.4	272.4	194.3	103.8	63.5	37.5	17.3	6.1				
-50	3.3	4.9	11.4	23.5	41.6	58.2	71.7	82.0	82.0	71.7	58.2	41.6	23.5	11.4	4.9	3.3			
-60		4.0	7.6	13.3	21.5	29.4	37.5	43.2	43.2	37.5	29.4	21.5	13.3	7.6	4.0				
-70	2.4	14.6		32.3		50.7		62.2		50.7		32.3		14.6		2.4			
-80		14.6		32.3		50.7		62.2		50.7		32.3		14.6					
-90	14.6		32.3		50.7		62.2		50.7		32.3		14.6		2.4				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

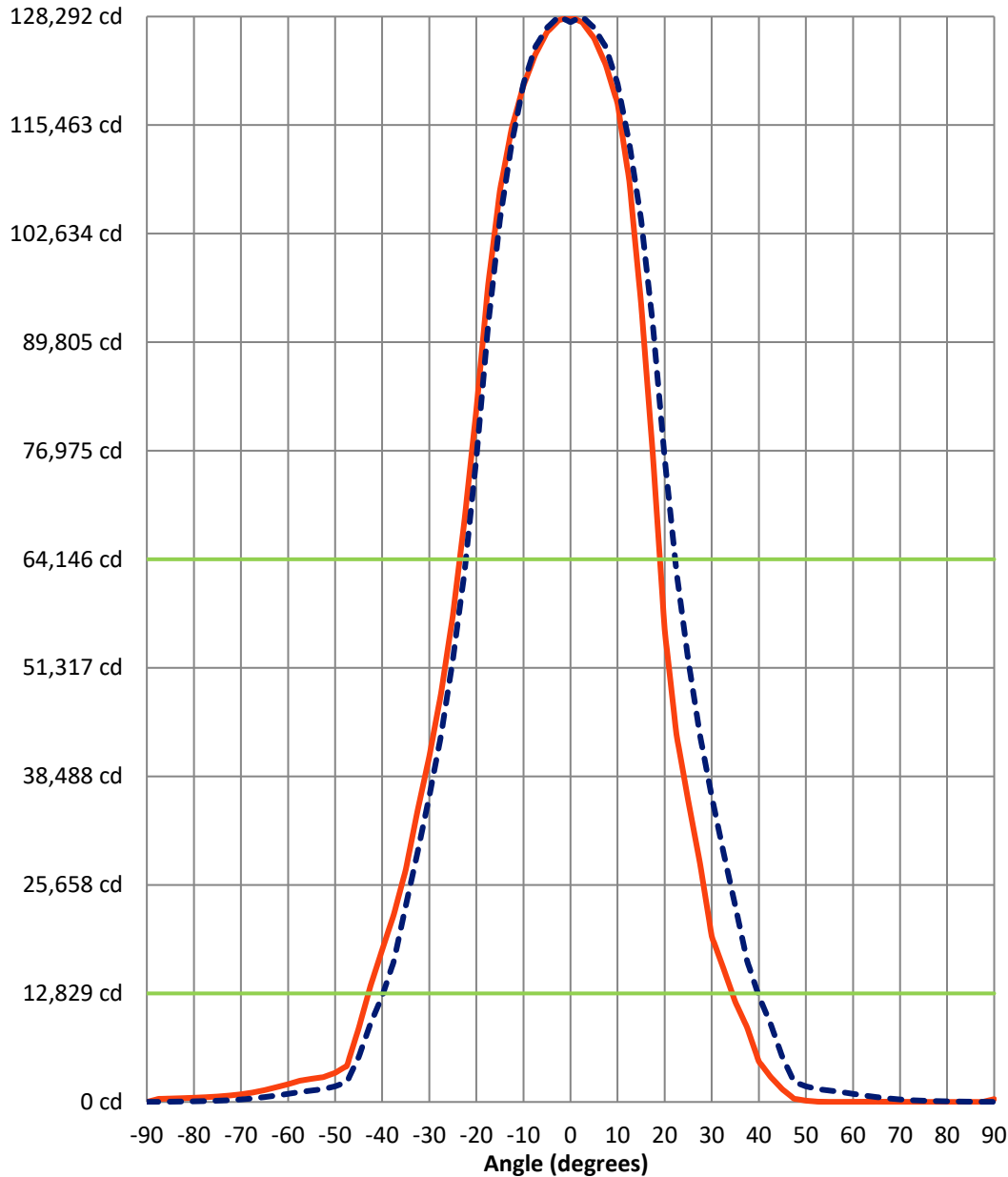
REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

Luminous Intensity Polar Plot



REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

Luminous Intensity Plot



Beam:
 H Angle: 44.5°
 V Angle: 42.5°
 Lumens: 45869
 Efficiency: 54.9%

Field:
 H Angle: 79.6°
 V Angle: 77.3°
 Lumens: 76759.1
 Efficiency: 91.9%

Spill:
 Lumens: 6776.6
 Efficiency: 8.1%

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

REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	11.1	21.7	32.3	53.4	74.6	94.2	113.9	130.1	146.2	157.8	169.4
87.5°	11.1	10.3	9.4	9.4	9.4	9.5	9.6	9.2	8.8	8.7	8.5
85°	11.1	10.5	9.6	9.8	9.8	10.0	10.1	9.8	9.5	9.3	9.0
82.5°	11.1	10.8	9.9	10.1	10.1	10.4	10.6	10.4	10.2	9.9	9.4
80°	11.1	11.0	10.2	10.4	10.5	10.8	11.2	11.0	10.9	10.5	9.9
77.5°	11.1	11.2	10.5	10.7	10.9	11.3	11.7	11.7	11.6	11.1	10.4
75°	11.1	11.4	10.8	11.1	11.3	12.0	12.3	12.3	12.3	11.7	10.9
72.5°	11.1	11.7	11.1	11.4	12.0	12.7	12.9	12.9	12.8	12.1	11.4
70°	11.1	11.9	11.4	11.8	12.7	13.4	13.5	13.7	13.3	12.6	12.4
67.5°	11.1	12.1	11.8	12.4	13.4	14.1	14.4	14.5	14.0	13.8	13.5
65°	11.1	12.4	12.1	13.0	14.1	14.9	15.3	15.3	15.4	15.0	14.9
62.5°	11.1	12.6	12.5	13.6	14.9	15.8	16.3	16.7	16.8	16.6	17.4
60°	11.1	12.9	12.9	14.1	15.6	16.6	17.2	18.2	18.4	20.0	20.2
57.5°	11.1	13.1	13.5	14.7	16.6	17.5	19.1	19.9	22.7	24.2	25.8
55°	11.1	13.4	14.2	15.3	17.7	18.4	21.4	22.1	28.1	30.0	33.2
52.5°	11.1	13.6	15.0	15.9	18.9	19.6	23.8	27.8	34.1	39.1	41.6
50°	11.1	13.8	15.7	16.4	20.2	22.4	26.4	33.9	41.5	48.8	53.7
47.5°	11.1	14.1	16.5	17.1	21.5	25.3	29.6	40.2	50.9	59.0	67.3
45°	11.1	14.3	17.4	18.2	23.0	28.4	35.2	46.7	60.6	72.1	81.6
42.5°	11.1	14.6	18.3	19.4	24.5	31.6	40.8	54.5	70.5	85.8	103.3
40°	11.1	14.8	19.2	21.0	26.6	35.0	46.7	63.4	81.5	99.9	127.4
37.5°	11.1	15.1	20.2	23.1	29.2	38.5	53.1	72.5	94.3	116.9	152.8
35°	11.1	15.3	21.2	25.1	31.9	43.1	59.6	81.7	107.5	139.8	182.2
32.5°	11.1	15.6	22.2	27.2	34.7	48.3	66.5	91.3	121.0	163.3	215.7
30°	11.1	15.8	23.2	29.4	37.4	53.4	74.6	101.5	134.8	187.1	248.5
27.5°	11.1	16.0	24.3	31.6	41.1	58.4	82.6	112.6	150.2	211.1	280.7
25°	11.1	16.3	25.3	33.8	44.8	63.4	90.3	123.3	168.0	237.0	312.2
22.5°	11.1	16.5	26.4	36.0	48.5	68.4	97.8	133.6	184.9	259.2	345.5
20°	11.1	16.7	27.5	38.2	52.1	73.9	105.1	143.3	200.7	280.3	373.4
17.5°	11.1	16.9	28.6	40.4	55.6	79.2	112.3	152.5	215.4	300.1	399.7
15°	11.1	17.1	29.6	42.5	59.0	84.2	119.3	161.5	229.1	318.6	424.7
12.5°	11.1	17.3	30.7	44.7	62.2	89.0	125.9	170.3	242.8	335.5	448.1
10°	11.1	17.5	31.7	46.8	65.4	93.5	132.1	178.6	256.4	355.6	472.9
7.5°	11.1	17.7	32.7	48.8	68.4	97.8	137.8	186.3	269.0	375.0	502.4
5°	11.1	17.8	33.6	50.7	71.3	101.8	143.1	193.5	280.4	393.0	530.2
2.5°	11.1	18.0	34.5	52.6	74.0	105.5	147.9	199.9	290.6	409.2	555.8
0°	11.1	18.1	35.3	54.4	76.6	108.9	152.2	205.7	299.4	423.4	578.7
-2.5°	11.1	18.8	36.8	56.8	80.2	113.9	158.7	214.1	309.7	435.4	590.5
-5°	11.1	19.5	38.3	59.1	83.5	118.5	164.6	221.6	318.4	445.2	599.3
-7.5°	11.1	20.1	39.6	61.2	86.7	122.8	170.0	228.4	325.4	452.5	605.0
-10°	11.1	20.8	40.9	63.3	89.7	126.7	174.8	234.2	330.8	457.5	607.7
-12.5°	11.1	21.4	42.1	65.2	92.4	130.2	179.0	239.1	334.5	460.1	611.9
-15°	11.1	22.0	43.2	66.9	94.9	133.2	182.5	243.1	336.5	460.8	614.1
-17.5°	11.1	22.6	44.3	68.5	97.1	135.8	185.3	246.5	337.0	458.9	611.6
-20°	11.1	23.1	45.2	70.0	99.1	137.9	187.9	249.4	335.8	454.1	603.9



REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	11.1	23.6	46.0	71.3	100.8	139.6	190.5	251.4	332.8	446.6	591.8
-25°	11.1	24.1	46.8	72.4	102.2	141.5	192.3	252.5	328.0	436.3	581.3
-27.5°	11.1	24.5	47.4	73.4	103.3	143.4	193.5	252.7	321.6	429.3	573.5
-30°	11.1	24.9	48.0	74.2	104.2	144.8	193.8	251.9	318.8	423.7	561.4
-32.5°	11.1	25.2	48.4	74.8	106.0	145.7	193.4	251.3	318.6	415.2	544.7
-35°	11.1	25.5	48.7	75.3	107.4	146.1	193.5	250.4	316.8	403.8	523.2
-37.5°	11.1	25.8	48.9	75.6	108.6	146.6	193.5	248.9	313.4	389.5	503.8
-40°	11.1	26.0	49.1	75.7	109.5	147.7	192.8	246.3	308.5	380.8	485.1
-42.5°	11.1	26.2	49.1	75.8	110.3	148.4	191.8	242.7	303.6	373.6	463.1
-45°	11.1	26.3	49.0	76.3	110.9	148.8	190.1	239.2	298.2	364.4	440.0
-47.5°	11.1	26.4	48.7	76.5	111.1	148.8	187.8	236.4	291.5	353.3	427.1
-50°	11.1	26.5	48.4	76.5	110.9	148.4	186.9	232.7	283.1	343.2	411.9
-52.5°	11.1	26.5	48.0	76.4	110.4	147.7	185.9	228.2	275.9	331.3	393.5
-55°	11.1	26.4	47.5	76.0	109.6	146.3	184.4	223.3	268.8	317.6	375.0
-57.5°	11.1	26.3	46.8	75.5	108.4	144.6	182.3	220.7	260.8	306.8	354.9
-60°	11.1	26.2	46.1	74.7	106.8	142.4	179.8	217.2	252.7	296.1	335.6
-62.5°	11.1	26.0	45.5	73.7	105.3	139.8	176.4	212.9	247.5	283.8	320.2
-65°	11.1	25.8	44.7	72.5	103.5	136.8	172.6	207.9	241.6	274.2	303.9
-67.5°	11.1	25.5	43.9	71.1	101.4	133.5	168.2	202.0	235.1	265.1	291.2
-70°	11.1	25.2	42.9	69.5	99.0	129.9	163.4	195.5	227.2	255.4	279.8
-72.5°	11.1	24.9	41.9	68.0	96.4	125.9	157.7	188.5	218.6	244.4	267.6
-75°	11.1	24.5	40.7	66.4	93.5	121.4	151.3	180.2	209.4	233.0	254.8
-77.5°	11.1	24.1	39.5	64.6	90.8	116.6	144.5	171.3	198.6	220.8	241.6
-80°	11.1	23.7	38.2	62.7	87.9	112.3	137.3	161.9	187.1	206.8	226.1
-82.5°	11.1	23.2	36.8	60.6	84.9	108.1	131.6	153.0	175.1	192.4	209.6
-85°	11.1	22.8	35.4	58.3	81.6	103.7	126.0	145.6	165.7	180.1	194.5
-87.5°	11.1	22.2	33.9	56.0	78.2	99.1	120.1	138.0	156.1	169.1	182.1
-90°	11.1	10.1	9.1	9.1	9.1	9.1	9.1	8.6	8.1	8.1	8.1



REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	176.5	183.5	190.1	196.6	204.7	212.7	221.3	229.9	239.0	248.0	256.6
87.5°	8.1	7.6	7.6	7.7	7.2	6.7	6.4	6.0	5.5	5.0	4.9
85°	8.5	8.1	8.2	8.1	7.7	7.4	6.9	6.5	6.0	5.6	5.6
82.5°	9.2	9.1	8.8	8.2	8.0	8.0	7.6	7.1	6.7	6.4	6.2
80°	9.9	10.1	9.3	8.5	8.3	8.1	7.7	7.2	7.1	7.1	6.7
77.5°	10.3	10.2	9.6	9.1	8.7	8.4	8.1	7.8	7.5	7.2	7.1
75°	10.6	10.3	9.9	9.4	9.0	9.0	8.8	8.5	8.3	8.3	8.4
72.5°	11.2	10.9	10.4	9.6	9.3	9.6	9.6	9.3	9.5	9.9	9.9
70°	12.0	11.6	11.0	10.3	9.9	10.3	10.7	11.4	12.2	12.4	13.4
67.5°	13.0	12.6	11.7	11.1	10.9	11.5	12.1	14.6	17.0	18.3	19.7
65°	14.4	13.8	12.8	12.7	12.1	14.6	16.7	19.3	24.1	26.4	26.2
62.5°	16.2	16.4	15.2	15.5	17.5	19.7	23.4	28.9	34.5	36.7	34.7
60°	20.6	20.0	20.0	21.4	23.7	26.3	32.0	38.8	45.3	48.7	43.5
57.5°	26.4	26.2	27.7	28.6	31.6	32.5	40.0	48.4	54.0	58.2	51.3
55°	34.5	34.8	37.7	38.7	40.9	40.8	47.3	55.2	60.9	62.9	55.7
52.5°	45.8	46.3	51.7	52.4	51.7	52.5	54.8	63.4	68.1	68.2	61.9
50°	58.2	64.7	68.0	70.2	66.3	68.7	66.5	76.0	83.1	82.5	84.8
47.5°	76.6	85.3	90.1	93.6	90.7	98.2	96.5	111.2	116.1	143.9	148.2
45°	98.4	112.2	118.6	126.5	135.2	144.3	167.7	167.7	233.2	259.1	327.0
42.5°	122.9	143.6	161.4	164.6	208.1	233.4	265.3	330.9	394.9	475.3	505.9
40°	155.3	178.3	214.6	255.6	303.8	358.9	418.4	498.0	582.0	623.6	628.9
37.5°	191.2	234.4	285.0	359.5	433.6	505.8	581.3	659.2	719.7	735.1	791.5
35°	229.7	293.2	387.7	473.1	559.3	659.2	726.3	798.1	834.4	898.1	1006.6
32.5°	278.3	353.4	470.9	582.1	677.9	786.5	850.8	905.8	991.1	1101.4	1341.4
30°	329.0	421.5	540.3	668.6	786.6	877.7	950.9	1019.9	1153.5	1420.2	2242.6
27.5°	371.2	479.9	604.9	747.9	882.5	965.7	1048.6	1169.1	1407.8	1957.3	3517.0
25°	409.0	527.1	668.2	834.2	966.0	1057.5	1165.5	1335.6	1710.2	3201.5	5200.3
22.5°	446.0	573.6	740.4	924.9	1050.7	1147.8	1311.3	1618.5	2403.6	4500.1	6902.4
20°	484.1	633.1	818.8	1009.1	1131.7	1227.8	1438.8	1893.3	3500.4	5898.1	8404.4
17.5°	524.1	693.0	895.2	1069.1	1183.7	1311.8	1573.2	2118.6	4416.1	7203.8	10009.3
15°	563.2	750.5	960.5	1120.8	1231.4	1402.3	1753.6	2783.4	5384.2	8661.7	11725.2
12.5°	600.6	802.7	1011.1	1161.3	1278.4	1486.6	1901.9	3515.8	6548.4	10015.3	13217.0
10°	635.9	849.5	1053.7	1199.6	1329.4	1576.6	2044.7	4232.7	7567.5	10895.0	14137.7
7.5°	672.1	888.5	1089.6	1236.2	1378.6	1661.5	2201.9	4789.7	8328.5	11571.7	14849.2
5°	704.9	918.5	1124.3	1277.1	1429.4	1736.8	2329.0	5215.5	8899.4	12130.8	15482.7
2.5°	733.6	942.0	1153.7	1315.7	1478.9	1799.8	2365.6	5333.9	9167.7	12431.6	16105.9
0°	758.2	959.8	1177.6	1350.0	1523.4	1851.0	2375.3	5313.2	9234.0	12522.7	16712.8
-2.5°	772.1	982.8	1220.2	1399.2	1563.3	1892.4	2425.6	5321.0	9290.1	13161.0	17493.2
-5°	781.9	1000.0	1255.1	1442.8	1598.6	1921.5	2453.6	5200.1	9214.3	13497.0	17721.3
-7.5°	787.4	1010.8	1280.9	1479.1	1630.6	1942.5	2469.3	5003.3	9218.5	13512.4	17434.4
-10°	790.3	1021.1	1293.0	1499.4	1658.1	1952.6	2461.7	4665.5	8852.5	13146.6	16961.8
-12.5°	799.8	1030.6	1297.3	1514.5	1680.1	1955.0	2472.9	4334.9	8166.0	12480.8	16286.2
-15°	803.5	1033.1	1294.9	1527.0	1715.5	1978.8	2473.3	3821.4	7274.9	11635.8	15436.5
-17.5°	801.0	1028.4	1287.5	1545.0	1748.3	1980.8	2417.2	3147.9	6257.0	10433.8	14317.9
-20°	792.2	1017.8	1271.4	1553.8	1767.0	1997.2	2400.7	3038.5	5259.5	8931.0	12959.6



REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	779.6	1001.3	1248.3	1534.2	1788.4	2033.1	2378.2	2893.1	4086.5	7214.3	11278.1
-25°	764.4	983.0	1223.7	1511.7	1798.3	2056.1	2308.5	2698.8	3397.7	5745.3	9196.9
-27.5°	748.7	957.1	1197.3	1474.2	1792.3	2045.1	2267.4	2591.2	3085.1	4113.4	7028.4
-30°	728.6	925.9	1158.5	1425.6	1739.2	2011.4	2242.4	2451.9	2789.2	3407.2	5156.9
-32.5°	704.1	889.4	1115.4	1370.3	1659.2	1970.9	2184.6	2366.6	2623.6	3002.3	3720.2
-35°	676.5	857.2	1067.4	1300.5	1564.3	1869.4	2097.6	2290.2	2463.7	2755.3	3214.3
-37.5°	648.3	817.4	1005.6	1226.6	1477.8	1727.0	1996.2	2188.2	2363.0	2546.0	2873.0
-40°	615.3	767.9	944.2	1148.6	1361.6	1587.7	1837.4	2077.9	2250.6	2441.3	2637.4
-42.5°	579.2	721.0	878.5	1055.7	1246.9	1450.1	1671.8	1912.7	2144.2	2326.5	2506.7
-45°	550.1	670.2	808.5	966.4	1130.9	1311.7	1513.9	1724.9	1970.7	2206.7	2373.4
-47.5°	514.9	619.6	747.2	872.4	1021.3	1182.6	1355.3	1555.1	1761.3	1993.7	2221.7
-50°	481.3	577.3	675.4	788.3	914.6	1056.4	1210.4	1386.3	1577.0	1767.4	1974.1
-52.5°	458.3	531.7	615.3	704.3	814.8	936.3	1072.7	1222.1	1389.2	1555.6	1734.9
-55°	433.1	496.6	556.7	632.1	718.9	824.4	942.7	1073.3	1200.7	1352.6	1504.9
-57.5°	408.4	461.1	509.3	567.2	639.7	717.2	824.8	933.4	1044.1	1161.7	1290.4
-60°	383.4	426.6	468.7	515.5	568.4	637.0	711.8	802.6	893.0	987.0	1100.9
-62.5°	358.4	393.6	429.8	470.1	515.1	561.4	622.5	688.7	752.1	837.6	928.4
-65°	338.3	362.5	392.4	428.0	464.2	506.5	549.2	590.6	646.2	711.1	776.9
-67.5°	316.7	339.4	361.4	386.3	419.1	454.1	489.3	526.5	564.1	608.7	656.8
-70°	301.0	317.1	336.6	357.2	378.7	404.0	435.4	466.2	498.0	535.2	573.4
-72.5°	286.1	300.9	315.5	329.9	349.3	370.3	391.1	411.7	438.1	469.8	500.4
-75°	270.9	284.5	297.8	311.0	325.6	341.3	357.6	376.2	396.7	418.7	439.9
-77.5°	255.4	267.4	279.5	291.6	305.0	318.8	333.1	347.4	363.5	380.6	397.0
-80°	238.7	249.9	260.8	271.6	283.6	296.0	308.7	321.4	335.7	350.4	364.1
-82.5°	220.3	230.3	240.5	250.5	261.6	272.6	283.9	295.2	307.8	320.5	332.2
-85°	202.7	210.5	219.4	228.3	238.4	248.5	258.6	268.6	280.2	291.6	301.8
-87.5°	189.6	197.0	204.3	211.6	220.2	228.8	237.6	246.2	256.3	266.4	275.3
-90°	7.6	7.1	7.1	7.1	6.6	6.0	6.0	6.0	5.5	5.0	4.5



REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	265.2	270.7	276.2	280.8	285.3	291.4	297.4	305.5	313.5	321.6	329.7
87.5°	4.8	4.4	4.0	3.9	3.9	3.9	3.9	3.5	3.0	3.0	3.0
85°	5.6	5.5	5.5	5.2	4.8	4.8	4.9	4.9	4.9	4.4	4.0
82.5°	6.0	6.0	6.0	5.5	5.0	5.0	5.0	5.0	5.0	4.5	4.0
80°	6.4	6.2	6.0	5.8	5.6	5.4	5.0	4.6	4.2	4.1	4.0
77.5°	7.2	6.9	6.5	6.3	6.1	5.6	5.1	4.6	4.1	4.0	4.0
75°	8.2	7.9	7.6	7.3	6.7	6.4	6.4	6.1	5.7	5.7	5.8
72.5°	9.8	9.6	9.6	9.9	9.8	10.1	10.6	11.0	11.4	12.2	13.1
70°	14.5	15.5	15.9	16.2	16.2	16.0	16.0	16.2	16.7	17.2	17.6
67.5°	21.2	22.8	23.7	24.1	22.5	21.6	21.6	22.1	22.9	24.3	26.3
65°	27.7	27.3	26.5	26.0	26.2	26.3	26.2	26.5	27.8	29.9	32.5
62.5°	32.5	28.2	25.5	24.3	25.1	26.7	25.6	24.8	25.9	27.2	28.5
60°	37.2	29.1	23.3	21.5	21.2	21.8	20.0	18.4	18.9	19.3	20.1
57.5°	41.6	31.1	21.6	18.4	15.4	13.9	13.4	12.9	12.5	12.3	12.4
55°	45.6	33.9	21.2	18.8	16.7	16.2	14.8	14.1	13.6	13.3	13.6
52.5°	50.6	43.6	34.8	32.3	36.4	36.7	32.4	38.5	43.2	45.3	46.1
50°	82.7	74.1	88.9	87.5	104.9	117.2	112.9	126.5	146.9	159.7	165.0
47.5°	181.7	182.0	211.3	237.3	258.9	287.0	308.6	329.5	358.5	376.5	384.7
45°	344.7	374.0	404.6	449.3	492.1	544.2	606.8	656.1	853.9	1050.9	1230.0
42.5°	527.6	559.8	604.7	701.9	817.3	1084.6	1562.5	1829.4	2162.4	2524.8	2663.9
40°	679.9	726.6	849.8	1123.4	1789.8	2424.2	3121.1	3710.4	4232.1	4532.3	4783.1
37.5°	868.0	979.5	1540.4	2314.8	3143.3	3938.5	4656.2	5279.0	5819.6	6258.0	6692.0
35°	1142.1	1882.9	2711.5	3718.4	4599.0	5335.7	6079.3	6793.0	7406.0	8060.9	9033.9
32.5°	2165.1	3133.3	4199.1	5101.6	5962.3	6891.8	7673.2	8815.1	9709.4	10903.3	12727.9
30°	3475.1	4690.3	5656.7	6559.4	7663.1	8913.8	10218.6	11965.1	13790.1	15693.9	17653.1
27.5°	5157.0	6384.4	7403.3	8607.4	10064.7	11729.1	14223.6	16685.4	19302.8	21683.5	23492.9
25°	7184.4	8484.3	10225.8	11973.1	14058.5	16902.8	19705.4	22721.8	25345.9	27682.2	30297.5
22.5°	9084.5	11215.2	13515.1	16152.8	19548.8	22756.8	26221.9	29274.4	32567.6	35897.5	38472.8
20°	10688.6	13464.4	16763.6	20566.1	24330.4	27964.3	31996.7	36862.3	41764.9	46144.9	49323.3
17.5°	12852.5	16367.9	20474.5	24994.4	29046.9	33550.2	39162.5	45484.4	52354.1	58432.5	63252.1
15°	15216.7	19321.7	23965.2	28701.1	33828.1	39862.5	47079.1	55152.7	63555.8	72079.0	80019.6
12.5°	16824.0	21633.4	26704.1	32335.2	38730.1	46820.8	55583.6	64533.7	74136.7	84741.6	93952.7
10°	18198.2	23533.6	29651.1	36201.2	43549.4	52246.6	61303.4	72174.4	84161.0	94604.3	104470.2
7.5°	19557.3	25826.7	32217.1	39037.1	47110.3	56556.6	67275.4	78966.9	91165.6	102516.7	110584.7
5°	21165.5	27669.8	34059.7	41264.0	49718.4	59544.3	70850.2	84275.9	97128.5	107562.5	114839.5
2.5°	22495.2	28775.5	35318.5	42448.7	51137.8	61396.9	73667.6	88587.5	101775.6	111531.6	118116.4
0°	23172.3	29483.5	36110.4	43356.3	52263.6	62731.7	76119.5	91792.8	104257.1	113269.8	120321.6
-2.5°	23254.8	29258.4	35763.1	42909.7	51615.3	62290.9	76015.6	91874.1	104903.0	114270.4	121227.8
-5°	23014.4	28961.9	35454.1	42605.0	51192.9	62313.0	76093.4	91342.6	103932.2	113635.2	120187.4
-7.5°	22434.8	28417.3	34921.6	41967.1	50420.1	61204.8	74057.5	87879.9	100829.5	111313.5	117357.9
-10°	21585.7	27463.8	33867.8	40612.4	48584.0	58555.2	70049.6	82704.1	95789.8	105813.9	112784.5
-12.5°	20511.8	26074.9	32196.7	38573.2	46099.4	55389.3	65635.3	76231.6	87200.9	98629.0	105889.3
-15°	19278.9	24362.3	30092.7	36503.3	43944.2	51686.3	59825.1	68458.0	78485.8	87833.6	96284.7
-17.5°	18109.0	22487.2	27833.8	34079.8	40416.0	47143.1	54118.2	61166.5	69207.8	76545.6	83109.9
-20°	16638.8	20366.6	25292.9	30842.8	36730.6	42559.4	48550.6	54260.9	60098.7	66071.3	71284.7



REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	14905.9	18531.2	22641.4	27473.7	33126.2	38313.9	43112.4	47574.9	52254.1	56386.9	60677.3
-25°	13018.1	16503.8	20281.0	24686.1	29026.0	33729.0	37711.6	41506.7	45136.1	48381.2	51717.5
-27.5°	10699.9	14379.8	18102.9	21628.6	25209.9	28586.7	32300.0	35801.4	38828.2	41505.3	44149.5
-30°	8088.3	11994.1	15516.0	18540.4	21379.6	24196.0	27038.8	29976.9	32842.3	35280.1	37445.9
-32.5°	5967.7	9226.0	12481.4	15445.2	17930.1	20257.8	22468.6	24773.8	26777.9	28835.7	30838.6
-35°	3948.4	6251.3	8953.8	11966.8	14554.8	16513.1	18517.6	20355.4	21866.3	23461.6	24973.6
-37.5°	3322.9	3935.7	5743.6	8189.7	10586.7	12838.6	14837.6	16435.4	17825.9	19100.2	20406.0
-40°	2931.1	3280.7	3795.1	4683.8	6699.6	8680.6	10740.2	12438.5	13919.9	15141.4	16343.7
-42.5°	2674.0	2913.9	3170.2	3520.2	3865.1	4835.4	6526.0	7992.0	9381.3	10757.6	11996.3
-45°	2540.8	2675.4	2822.0	3012.3	3159.9	3422.9	3716.5	3992.3	5098.2	6293.2	7293.4
-47.5°	2381.1	2524.6	2634.2	2723.8	2795.6	2911.1	3033.1	3192.7	3448.7	3750.5	3981.0
-50°	2176.8	2351.1	2460.4	2550.2	2601.8	2646.5	2690.5	2790.4	2929.1	3093.7	3224.3
-52.5°	1912.7	2085.2	2239.9	2356.8	2413.8	2469.3	2524.6	2593.4	2672.2	2767.3	2835.4
-55°	1663.9	1807.9	1941.8	2050.8	2149.1	2238.6	2324.7	2397.5	2482.6	2573.0	2636.5
-57.5°	1427.6	1544.0	1653.8	1748.2	1833.3	1908.5	1996.6	2092.2	2201.0	2304.7	2377.7
-60°	1206.9	1299.4	1390.8	1467.4	1536.6	1598.4	1679.8	1760.0	1855.3	1940.3	2002.1
-62.5°	1009.4	1090.2	1157.7	1215.6	1267.8	1319.5	1387.9	1455.0	1533.4	1601.3	1652.7
-65°	838.6	906.0	953.6	996.6	1034.3	1078.4	1131.3	1185.1	1246.8	1299.6	1341.7
-67.5°	707.0	752.7	782.6	809.1	840.5	875.5	915.5	958.4	1006.4	1046.3	1078.6
-70°	607.5	636.0	654.1	673.9	696.8	721.0	748.1	780.5	816.9	848.1	874.8
-72.5°	528.8	550.5	565.5	580.8	594.6	611.2	629.4	653.6	680.5	704.8	727.4
-75°	460.4	476.0	490.0	503.3	515.3	529.3	543.9	564.2	586.3	606.4	625.3
-77.5°	414.6	426.6	435.9	444.8	453.5	465.2	477.2	493.6	510.8	527.4	543.4
-80°	377.8	387.1	395.0	401.5	407.4	417.3	427.7	441.1	454.8	469.1	483.3
-82.5°	343.7	351.8	359.4	365.6	371.3	380.2	389.4	401.4	413.5	425.5	437.3
-85°	311.8	319.2	326.3	332.2	338.0	345.3	352.5	362.9	373.3	384.1	394.9
-87.5°	284.0	291.0	298.0	302.6	307.2	313.7	320.1	329.0	337.9	347.2	356.5
-90°	4.0	4.0	4.0	3.5	3.0	3.0	3.0	2.5	2.0	2.0	2.0



REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	333.7	337.7	339.8	341.8	339.8	337.7	333.7	329.7	321.6	313.5	305.5
87.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.0	3.0	3.5
85°	3.5	3.0	3.5	4.0	3.5	3.0	3.5	4.0	4.4	4.9	4.9
82.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	5.0	5.0
80°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.2	4.6
77.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.6
75°	5.5	5.0	5.0	5.0	5.0	5.0	5.5	5.8	5.7	5.7	6.1
72.5°	13.6	13.9	14.5	15.1	14.5	13.9	13.6	13.1	12.2	11.4	11.0
70°	17.8	18.0	18.1	18.1	18.1	18.0	17.8	17.6	17.2	16.7	16.2
67.5°	27.4	27.8	29.0	30.2	29.0	27.8	27.4	26.3	24.3	22.9	22.1
65°	34.4	35.8	36.2	36.3	36.2	35.8	34.4	32.5	29.9	27.8	26.5
62.5°	29.8	31.1	31.4	31.3	31.4	31.1	29.8	28.5	27.2	25.9	24.8
60°	20.8	21.4	21.7	22.2	21.7	21.4	20.8	20.1	19.3	18.9	18.4
57.5°	12.6	13.2	13.2	13.1	13.2	13.2	12.6	12.4	12.3	12.5	12.9
55°	13.7	14.0	13.7	13.1	13.7	14.0	13.7	13.6	13.3	13.6	14.1
52.5°	44.9	42.6	40.4	38.3	40.4	42.6	44.9	46.1	45.3	43.2	38.5
50°	163.3	160.5	156.6	152.2	156.6	160.5	163.3	165.0	159.7	146.9	126.5
47.5°	392.0	392.8	389.0	382.1	389.0	392.8	392.0	384.7	376.5	358.5	329.5
45°	1386.1	1461.5	1502.2	1530.4	1502.2	1461.5	1386.1	1230.0	1050.9	853.9	656.1
42.5°	2785.6	2891.4	2971.7	2988.3	2971.7	2891.4	2785.6	2663.9	2524.8	2162.4	1829.4
40°	5080.5	5098.2	4803.4	4358.4	4803.4	5098.2	5080.5	4783.1	4532.3	4232.1	3710.4
37.5°	7209.2	7953.0	8817.2	9258.2	8817.2	7953.0	7209.2	6692.0	6258.0	5819.6	5279.0
35°	10346.8	11465.8	11828.8	11838.2	11828.8	11465.8	10346.8	9033.9	8060.9	7406.0	6793.0
32.5°	14373.4	15283.2	15769.0	15637.0	15769.0	15283.2	14373.4	12727.9	10903.3	9709.4	8815.1
30°	18794.9	19586.4	19592.8	19328.0	19592.8	19586.4	18794.9	17653.1	15693.9	13790.1	11965.1
27.5°	25365.8	27038.4	28215.6	28532.8	28215.6	27038.4	25365.8	23492.9	21683.5	19302.8	16685.4
25°	32654.1	34492.1	35622.2	36033.8	35622.2	34492.1	32654.1	30297.5	27682.2	25345.9	22721.8
22.5°	40869.6	42656.6	43472.2	43898.7	43472.2	42656.6	40869.6	38472.8	35897.5	32567.6	29274.4
20°	52353.1	54894.0	55851.8	56261.1	55851.8	54894.0	52353.1	49323.3	46144.9	41764.9	36862.3
17.5°	68259.8	73278.0	76415.6	78027.0	76415.6	73278.0	68259.8	63252.1	58432.5	52354.1	45484.4
15°	85896.2	90990.7	94340.9	96349.8	94340.9	90990.7	85896.2	80019.6	72079.0	63555.8	55152.7
12.5°	101026.1	105567.5	108803.5	110727.2	108803.5	105567.5	101026.1	93952.7	84741.6	74136.7	64533.7
10°	110732.4	114627.1	117984.3	119623.9	117984.3	114627.1	110732.4	104470.2	94604.3	84161.0	72174.4
7.5°	116218.1	120746.7	122566.6	123688.0	122566.6	120746.7	116218.1	110584.7	102516.7	91165.6	78966.9
5°	120469.7	124048.4	125728.4	126548.2	125728.4	124048.4	120469.7	114839.5	107562.5	97128.5	84275.9
2.5°	123307.8	126414.6	127602.7	128264.1	127602.7	126414.6	123307.8	118116.4	111531.6	101775.6	88587.5
0°	124669.9	126960.5	128292.4	127643.1	128292.4	126960.5	124669.9	120321.6	113269.8	104257.1	91792.8
-2.5°	124679.4	126856.8	127846.8	127364.8	127846.8	126856.8	124679.4	121227.8	114270.4	104903.0	91874.1
-5°	123612.8	125237.7	126443.5	126057.2	126443.5	125237.7	123612.8	120187.4	113635.2	103932.2	91342.6
-7.5°	120736.1	122895.8	123779.0	123822.0	123779.0	122895.8	120736.1	117357.9	111313.5	100829.5	87879.9
-10°	116779.0	119173.3	120113.7	120209.7	120113.7	119173.3	116779.0	112784.5	105813.9	95789.8	82704.1
-12.5°	110897.5	113706.3	115059.6	115300.8	115059.6	113706.3	110897.5	105889.3	98629.0	87200.9	76231.6
-15°	101767.4	105553.3	107690.2	108440.1	107690.2	105553.3	101767.4	96284.7	87833.6	78485.8	68458.0
-17.5°	89355.4	93878.8	96543.4	97483.0	96543.4	93878.8	89355.4	83109.9	76545.6	69207.8	61166.5
-20°	76408.6	79762.0	81816.2	82662.6	81816.2	79762.0	76408.6	71284.7	66071.3	60098.7	54260.9



REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	64632.1	67335.9	68862.1	69540.0	68862.1	67335.9	64632.1	60677.3	56386.9	52254.1	47574.9
-25°	54418.3	56695.5	57478.2	57919.6	57478.2	56695.5	54418.3	51717.5	48381.2	45136.1	41506.7
-27.5°	46073.0	47879.5	48301.0	48690.6	48301.0	47879.5	46073.0	44149.5	41505.3	38828.2	35801.4
-30°	39040.9	40613.0	40827.9	41259.2	40827.9	40613.0	39040.9	37445.9	35280.1	32842.3	29976.9
-32.5°	32464.7	33864.5	34400.7	34483.2	34400.7	33864.5	32464.7	30838.6	28835.7	26777.9	24773.8
-35°	26167.4	27089.9	27455.0	27477.2	27455.0	27089.9	26167.4	24973.6	23461.6	21866.3	20355.4
-37.5°	21216.2	21804.3	22227.1	22110.6	22227.1	21804.3	21216.2	20406.0	19100.2	17825.9	16435.4
-40°	17017.4	17609.1	17995.5	17901.4	17995.5	17609.1	17017.4	16343.7	15141.4	13919.9	12438.5
-42.5°	12679.6	13330.3	13695.5	13594.5	13695.5	13330.3	12679.6	11996.3	10757.6	9381.3	7992.0
-45°	7863.6	8437.1	8706.2	8542.4	8706.2	8437.1	7863.6	7293.4	6293.2	5098.2	3992.3
-47.5°	4102.4	4233.0	4274.7	4216.3	4274.7	4233.0	4102.4	3981.0	3750.5	3448.7	3192.7
-50°	3326.2	3408.1	3443.3	3432.9	3443.3	3408.1	3326.2	3224.3	3093.7	2929.1	2790.4
-52.5°	2889.0	2926.8	2939.3	2931.8	2939.3	2926.8	2889.0	2835.4	2767.3	2672.2	2593.4
-55°	2690.2	2727.8	2740.7	2736.2	2740.7	2727.8	2690.2	2636.5	2573.0	2482.6	2397.5
-57.5°	2438.2	2484.3	2512.8	2527.5	2512.8	2484.3	2438.2	2377.7	2304.7	2201.0	2092.2
-60°	2052.0	2088.9	2099.5	2094.0	2099.5	2088.9	2052.0	2002.1	1940.3	1855.3	1760.0
-62.5°	1693.0	1723.3	1746.0	1761.3	1746.0	1723.3	1693.0	1652.7	1601.3	1533.4	1455.0
-65°	1372.6	1394.5	1399.1	1395.3	1399.1	1394.5	1372.6	1341.7	1299.6	1246.8	1185.1
-67.5°	1101.2	1117.4	1119.6	1116.1	1119.6	1117.4	1101.2	1078.6	1046.3	1006.4	958.4
-70°	892.8	906.5	908.4	906.4	908.4	906.5	892.8	874.8	848.1	816.9	780.5
-72.5°	740.5	750.5	758.1	764.2	758.1	750.5	740.5	727.4	704.8	680.5	653.6
-75°	634.8	641.9	643.7	644.2	643.7	641.9	634.8	625.3	606.4	586.3	564.2
-77.5°	551.9	559.1	564.2	568.6	564.2	559.1	551.9	543.4	527.4	510.8	493.6
-80°	489.7	495.1	499.3	503.1	499.3	495.1	489.7	483.3	469.1	454.8	441.1
-82.5°	443.4	449.1	452.5	455.7	452.5	449.1	443.4	437.3	425.5	413.5	401.4
-85°	399.5	404.0	407.2	410.3	407.2	404.0	399.5	394.9	384.1	373.3	362.9
-87.5°	360.7	364.9	367.0	369.0	367.0	364.9	360.7	356.5	347.2	337.9	329.0
-90°	1.5	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.0	2.0	2.5



REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	297.4	291.4	285.3	280.8	276.2	270.7	265.2	256.6	248.0	239.0	229.9
87.5°	3.9	3.9	3.9	3.9	4.0	4.4	4.8	4.9	5.0	5.5	6.0
85°	4.9	4.8	4.8	5.2	5.5	5.5	5.6	5.6	5.6	6.0	6.5
82.5°	5.0	5.0	5.0	5.5	6.0	6.0	6.0	6.2	6.4	6.7	7.1
80°	5.0	5.4	5.6	5.8	6.0	6.2	6.4	6.7	7.1	7.1	7.2
77.5°	5.1	5.6	6.1	6.3	6.5	6.9	7.2	7.1	7.2	7.5	7.8
75°	6.4	6.4	6.7	7.3	7.6	7.9	8.2	8.4	8.3	8.3	8.5
72.5°	10.6	10.1	9.8	9.9	9.6	9.6	9.8	9.9	9.9	9.5	9.3
70°	16.0	16.0	16.2	16.2	15.9	15.5	14.5	13.4	12.4	12.2	11.4
67.5°	21.6	21.6	22.5	24.1	23.7	22.8	21.2	19.7	18.3	17.0	14.6
65°	26.2	26.3	26.2	26.0	26.5	27.3	27.7	26.2	26.4	24.1	19.3
62.5°	25.6	26.7	25.1	24.3	25.5	28.2	32.5	34.7	36.7	34.5	28.9
60°	20.0	21.8	21.2	21.5	23.3	29.1	37.2	43.5	48.7	45.3	38.8
57.5°	13.4	13.9	15.4	18.4	21.6	31.1	41.6	51.3	58.2	54.0	48.4
55°	14.8	16.2	16.7	18.8	21.2	33.9	45.6	55.7	62.9	60.9	55.2
52.5°	32.4	36.7	36.4	32.3	34.8	43.6	50.6	61.9	68.2	68.1	63.4
50°	112.9	117.2	104.9	87.5	88.9	74.1	82.7	84.8	82.5	83.1	76.0
47.5°	308.6	287.0	258.9	237.3	211.3	182.0	181.7	148.2	143.9	116.1	111.2
45°	606.8	544.2	492.1	449.3	404.6	374.0	344.7	327.0	259.1	233.2	167.7
42.5°	1562.5	1084.6	817.3	701.9	604.7	559.8	527.6	505.9	475.3	394.9	330.9
40°	3121.1	2424.2	1789.8	1123.4	849.8	726.6	679.9	628.9	623.6	582.0	498.0
37.5°	4656.2	3938.5	3143.3	2314.8	1540.4	979.5	868.0	791.5	735.1	719.7	659.2
35°	6079.3	5335.7	4599.0	3718.4	2711.5	1882.9	1142.1	1006.6	898.1	834.4	798.1
32.5°	7673.2	6891.8	5962.3	5101.6	4199.1	3133.3	2165.1	1341.4	1101.4	991.1	905.8
30°	10218.6	8913.8	7663.1	6559.4	5656.7	4690.3	3475.1	2242.6	1420.2	1153.5	1019.9
27.5°	14223.6	11729.1	10064.7	8607.4	7403.3	6384.4	5157.0	3517.0	1957.3	1407.8	1169.1
25°	19705.4	16902.8	14058.5	11973.1	10225.8	8484.3	7184.4	5200.3	3201.5	1710.2	1335.6
22.5°	26221.9	22756.8	19548.8	16152.8	13515.1	11215.2	9084.5	6902.4	4500.1	2403.6	1618.5
20°	31996.7	27964.3	24330.4	20566.1	16763.6	13464.4	10688.6	8404.4	5898.1	3500.4	1893.3
17.5°	39162.5	33550.2	29046.9	24994.4	20474.5	16367.9	12852.5	10009.3	7203.8	4416.1	2118.6
15°	47079.1	39862.5	33828.1	28701.1	23965.2	19321.7	15216.7	11725.2	8661.7	5384.2	2783.4
12.5°	55583.6	46820.8	38730.1	32335.2	26704.1	21633.4	16824.0	13217.0	10015.3	6548.4	3515.8
10°	61303.4	52246.6	43549.4	36201.2	29651.1	23533.6	18198.2	14137.7	10895.0	7567.5	4232.7
7.5°	67275.4	56556.6	47110.3	39037.1	32217.1	25826.7	19557.3	14849.2	11571.7	8328.5	4789.7
5°	70850.2	59544.3	49718.4	41264.0	34059.7	27669.8	21165.5	15482.7	12130.8	8899.4	5215.5
2.5°	73667.6	61396.9	51137.8	42448.7	35318.5	28775.5	22495.2	16105.9	12431.6	9167.7	5333.9
0°	76119.5	62731.7	52263.6	43356.3	36110.4	29483.5	23172.3	16712.8	12522.7	9234.0	5313.2
-2.5°	76015.6	62290.9	51615.3	42909.7	35763.1	29258.4	23254.8	17493.2	13161.0	9290.1	5321.0
-5°	76093.4	62313.0	51192.9	42605.0	35454.1	28961.9	23014.4	17721.3	13497.0	9214.3	5200.1
-7.5°	74057.5	61204.8	50420.1	41967.1	34921.6	28417.3	22434.8	17434.4	13512.4	9218.5	5003.3
-10°	70049.6	58555.2	48584.0	40612.4	33867.8	27463.8	21585.7	16961.8	13146.6	8852.5	4665.5
-12.5°	65635.3	55389.3	46099.4	38573.2	32196.7	26074.9	20511.8	16286.2	12480.8	8166.0	4334.9
-15°	59825.1	51686.3	43944.2	36503.3	30092.7	24362.3	19278.9	15436.5	11635.8	7274.9	3821.4
-17.5°	54118.2	47143.1	40416.0	34079.8	27833.8	22487.2	18109.0	14317.9	10433.8	6257.0	3147.9
-20°	48550.6	42559.4	36730.6	30842.8	25292.9	20366.6	16638.8	12959.6	8931.0	5259.5	3038.5



REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	43112.4	38313.9	33126.2	27473.7	22641.4	18531.2	14905.9	11278.1	7214.3	4086.5	2893.1
-25°	37711.6	33729.0	29026.0	24686.1	20281.0	16503.8	13018.1	9196.9	5745.3	3397.7	2698.8
-27.5°	32300.0	28586.7	25209.9	21628.6	18102.9	14379.8	10699.9	7028.4	4113.4	3085.1	2591.2
-30°	27038.8	24196.0	21379.6	18540.4	15516.0	11994.1	8088.3	5156.9	3407.2	2789.2	2451.9
-32.5°	22468.6	20257.8	17930.1	15445.2	12481.4	9226.0	5967.7	3720.2	3002.3	2623.6	2366.6
-35°	18517.6	16513.1	14554.8	11966.8	8953.8	6251.3	3948.4	3214.3	2755.3	2463.7	2290.2
-37.5°	14837.6	12838.6	10586.7	8189.7	5743.6	3935.7	3322.9	2873.0	2546.0	2363.0	2188.2
-40°	10740.2	8680.6	6699.6	4683.8	3795.1	3280.7	2931.1	2637.4	2441.3	2250.6	2077.9
-42.5°	6526.0	4835.4	3865.1	3520.2	3170.2	2913.9	2674.0	2506.7	2326.5	2144.2	1912.7
-45°	3716.5	3422.9	3159.9	3012.3	2822.0	2675.4	2540.8	2373.4	2206.7	1970.7	1724.9
-47.5°	3033.1	2911.1	2795.6	2723.8	2634.2	2524.6	2381.1	2221.7	1993.7	1761.3	1555.1
-50°	2690.5	2646.5	2601.8	2550.2	2460.4	2351.1	2176.8	1974.1	1767.4	1577.0	1386.3
-52.5°	2524.6	2469.3	2413.8	2356.8	2239.9	2085.2	1912.7	1734.9	1555.6	1389.2	1222.1
-55°	2324.7	2238.6	2149.1	2050.8	1941.8	1807.9	1663.9	1504.9	1352.6	1200.7	1073.3
-57.5°	1996.6	1908.5	1833.3	1748.2	1653.8	1544.0	1427.6	1290.4	1161.7	1044.1	933.4
-60°	1679.8	1598.4	1536.6	1467.4	1390.8	1299.4	1206.9	1100.9	987.0	893.0	802.6
-62.5°	1387.9	1319.5	1267.8	1215.6	1157.7	1090.2	1009.4	928.4	837.6	752.1	688.7
-65°	1131.3	1078.4	1034.3	996.6	953.6	906.0	838.6	776.9	711.1	646.2	590.6
-67.5°	915.5	875.5	840.5	809.1	782.6	752.7	707.0	656.8	608.7	564.1	526.5
-70°	748.1	721.0	696.8	673.9	654.1	636.0	607.5	573.4	535.2	498.0	466.2
-72.5°	629.4	611.2	594.6	580.8	565.5	550.5	528.8	500.4	469.8	438.1	411.7
-75°	543.9	529.3	515.3	503.3	490.0	476.0	460.4	439.9	418.7	396.7	376.2
-77.5°	477.2	465.2	453.5	444.8	435.9	426.6	414.6	397.0	380.6	363.5	347.4
-80°	427.7	417.3	407.4	401.5	395.0	387.1	377.8	364.1	350.4	335.7	321.4
-82.5°	389.4	380.2	371.3	365.6	359.4	351.8	343.7	332.2	320.5	307.8	295.2
-85°	352.5	345.3	338.0	332.2	326.3	319.2	311.8	301.8	291.6	280.2	268.6
-87.5°	320.1	313.7	307.2	302.6	298.0	291.0	284.0	275.3	266.4	256.3	246.2
-90°	3.0	3.0	3.0	3.5	4.0	4.0	4.0	4.5	5.0	5.5	6.0



REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	221.3	212.7	204.7	196.6	190.1	183.5	176.5	169.4	157.8	146.2	130.1
87.5°	6.4	6.7	7.2	7.7	7.6	7.6	8.1	8.5	8.7	8.8	9.2
85°	6.9	7.4	7.7	8.1	8.2	8.1	8.5	9.0	9.3	9.5	9.8
82.5°	7.6	8.0	8.0	8.2	8.8	9.1	9.2	9.4	9.9	10.2	10.4
80°	7.7	8.1	8.3	8.5	9.3	10.1	9.9	9.9	10.5	10.9	11.0
77.5°	8.1	8.4	8.7	9.1	9.6	10.2	10.3	10.4	11.1	11.6	11.7
75°	8.8	9.0	9.0	9.4	9.9	10.3	10.6	10.9	11.7	12.3	12.3
72.5°	9.6	9.6	9.3	9.6	10.4	10.9	11.2	11.4	12.1	12.8	12.9
70°	10.7	10.3	9.9	10.3	11.0	11.6	12.0	12.4	12.6	13.3	13.7
67.5°	12.1	11.5	10.9	11.1	11.7	12.6	13.0	13.5	13.8	14.0	14.5
65°	16.7	14.6	12.1	12.7	12.8	13.8	14.4	14.9	15.0	15.4	15.3
62.5°	23.4	19.7	17.5	15.5	15.2	16.4	16.2	17.4	16.6	16.8	16.7
60°	32.0	26.3	23.7	21.4	20.0	20.0	20.6	20.2	20.0	18.4	18.2
57.5°	40.0	32.5	31.6	28.6	27.7	26.2	26.4	25.8	24.2	22.7	19.9
55°	47.3	40.8	40.9	38.7	37.7	34.8	34.5	33.2	30.0	28.1	22.1
52.5°	54.8	52.5	51.7	52.4	51.7	46.3	45.8	41.6	39.1	34.1	27.8
50°	66.5	68.7	66.3	70.2	68.0	64.7	58.2	53.7	48.8	41.5	33.9
47.5°	96.5	98.2	90.7	93.6	90.1	85.3	76.6	67.3	59.0	50.9	40.2
45°	167.7	144.3	135.2	126.5	118.6	112.2	98.4	81.6	72.1	60.6	46.7
42.5°	265.3	233.4	208.1	164.6	161.4	143.6	122.9	103.3	85.8	70.5	54.5
40°	418.4	358.9	303.8	255.6	214.6	178.3	155.3	127.4	99.9	81.5	63.4
37.5°	581.3	505.8	433.6	359.5	285.0	234.4	191.2	152.8	116.9	94.3	72.5
35°	726.3	659.2	559.3	473.1	387.7	293.2	229.7	182.2	139.8	107.5	81.7
32.5°	850.8	786.5	677.9	582.1	470.9	353.4	278.3	215.7	163.3	121.0	91.3
30°	950.9	877.7	786.6	668.6	540.3	421.5	329.0	248.5	187.1	134.8	101.5
27.5°	1048.6	965.7	882.5	747.9	604.9	479.9	371.2	280.7	211.1	150.2	112.6
25°	1165.5	1057.5	966.0	834.2	668.2	527.1	409.0	312.2	237.0	168.0	123.3
22.5°	1311.3	1147.8	1050.7	924.9	740.4	573.6	446.0	345.5	259.2	184.9	133.6
20°	1438.8	1227.8	1131.7	1009.1	818.8	633.1	484.1	373.4	280.3	200.7	143.3
17.5°	1573.2	1311.8	1183.7	1069.1	895.2	693.0	524.1	399.7	300.1	215.4	152.5
15°	1753.6	1402.3	1231.4	1120.8	960.5	750.5	563.2	424.7	318.6	229.1	161.5
12.5°	1901.9	1486.6	1278.4	1161.3	1011.1	802.7	600.6	448.1	335.5	242.8	170.3
10°	2044.7	1576.6	1329.4	1199.6	1053.7	849.5	635.9	472.9	355.6	256.4	178.6
7.5°	2201.9	1661.5	1378.6	1236.2	1089.6	888.5	672.1	502.4	375.0	269.0	186.3
5°	2329.0	1736.8	1429.4	1277.1	1124.3	918.5	704.9	530.2	393.0	280.4	193.5
2.5°	2365.6	1799.8	1478.9	1315.7	1153.7	942.0	733.6	555.8	409.2	290.6	199.9
0°	2375.3	1851.0	1523.4	1350.0	1177.6	959.8	758.2	578.7	423.4	299.4	205.7
-2.5°	2425.6	1892.4	1563.3	1399.2	1220.2	982.8	772.1	590.5	435.4	309.7	214.1
-5°	2453.6	1921.5	1598.6	1442.8	1255.1	1000.0	781.9	599.3	445.2	318.4	221.6
-7.5°	2469.3	1942.5	1630.6	1479.1	1280.9	1010.8	787.4	605.0	452.5	325.4	228.4
-10°	2461.7	1952.6	1658.1	1499.4	1293.0	1021.1	790.3	607.7	457.5	330.8	234.2
-12.5°	2472.9	1955.0	1680.1	1514.5	1297.3	1030.6	799.8	611.9	460.1	334.5	239.1
-15°	2473.3	1978.8	1715.5	1527.0	1294.9	1033.1	803.5	614.1	460.8	336.5	243.1
-17.5°	2417.2	1980.8	1748.3	1545.0	1287.5	1028.4	801.0	611.6	458.9	337.0	246.5
-20°	2400.7	1997.2	1767.0	1553.8	1271.4	1017.8	792.2	603.9	454.1	335.8	249.4



REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2378.2	2033.1	1788.4	1534.2	1248.3	1001.3	779.6	591.8	446.6	332.8	251.4
-25°	2308.5	2056.1	1798.3	1511.7	1223.7	983.0	764.4	581.3	436.3	328.0	252.5
-27.5°	2267.4	2045.1	1792.3	1474.2	1197.3	957.1	748.7	573.5	429.3	321.6	252.7
-30°	2242.4	2011.4	1739.2	1425.6	1158.5	925.9	728.6	561.4	423.7	318.8	251.9
-32.5°	2184.6	1970.9	1659.2	1370.3	1115.4	889.4	704.1	544.7	415.2	318.6	251.3
-35°	2097.6	1869.4	1564.3	1300.5	1067.4	857.2	676.5	523.2	403.8	316.8	250.4
-37.5°	1996.2	1727.0	1477.8	1226.6	1005.6	817.4	648.3	503.8	389.5	313.4	248.9
-40°	1837.4	1587.7	1361.6	1148.6	944.2	767.9	615.3	485.1	380.8	308.5	246.3
-42.5°	1671.8	1450.1	1246.9	1055.7	878.5	721.0	579.2	463.1	373.6	303.6	242.7
-45°	1513.9	1311.7	1130.9	966.4	808.5	670.2	550.1	440.0	364.4	298.2	239.2
-47.5°	1355.3	1182.6	1021.3	872.4	747.2	619.6	514.9	427.1	353.3	291.5	236.4
-50°	1210.4	1056.4	914.6	788.3	675.4	577.3	481.3	411.9	343.2	283.1	232.7
-52.5°	1072.7	936.3	814.8	704.3	615.3	531.7	458.3	393.5	331.3	275.9	228.2
-55°	942.7	824.4	718.9	632.1	556.7	496.6	433.1	375.0	317.6	268.8	223.3
-57.5°	824.8	717.2	639.7	567.2	509.3	461.1	408.4	354.9	306.8	260.8	220.7
-60°	711.8	637.0	568.4	515.5	468.7	426.6	383.4	335.6	296.1	252.7	217.2
-62.5°	622.5	561.4	515.1	470.1	429.8	393.6	358.4	320.2	283.8	247.5	212.9
-65°	549.2	506.5	464.2	428.0	392.4	362.5	338.3	303.9	274.2	241.6	207.9
-67.5°	489.3	454.1	419.1	386.3	361.4	339.4	316.7	291.2	265.1	235.1	202.0
-70°	435.4	404.0	378.7	357.2	336.6	317.1	301.0	279.8	255.4	227.2	195.5
-72.5°	391.1	370.3	349.3	329.9	315.5	300.9	286.1	267.6	244.4	218.6	188.5
-75°	357.6	341.3	325.6	311.0	297.8	284.5	270.9	254.8	233.0	209.4	180.2
-77.5°	333.1	318.8	305.0	291.6	279.5	267.4	255.4	241.6	220.8	198.6	171.3
-80°	308.7	296.0	283.6	271.6	260.8	249.9	238.7	226.1	206.8	187.1	161.9
-82.5°	283.9	272.6	261.6	250.5	240.5	230.3	220.3	209.6	192.4	175.1	153.0
-85°	258.6	248.5	238.4	228.3	219.4	210.5	202.7	194.5	180.1	165.7	145.6
-87.5°	237.6	228.8	220.2	211.6	204.3	197.0	189.6	182.1	169.1	156.1	138.0
-90°	6.0	6.0	6.6	7.1	7.1	7.1	7.6	8.1	8.1	8.1	8.6

REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	113.9	94.2	74.6	53.4	32.3	21.7	11.1
87.5°	9.6	9.5	9.4	9.4	9.4	10.3	11.1
85°	10.1	10.0	9.8	9.8	9.6	10.5	11.1
82.5°	10.6	10.4	10.1	10.1	9.9	10.8	11.1
80°	11.2	10.8	10.5	10.4	10.2	11.0	11.1
77.5°	11.7	11.3	10.9	10.7	10.5	11.2	11.1
75°	12.3	12.0	11.3	11.1	10.8	11.4	11.1
72.5°	12.9	12.7	12.0	11.4	11.1	11.7	11.1
70°	13.5	13.4	12.7	11.8	11.4	11.9	11.1
67.5°	14.4	14.1	13.4	12.4	11.8	12.1	11.1
65°	15.3	14.9	14.1	13.0	12.1	12.4	11.1
62.5°	16.3	15.8	14.9	13.6	12.5	12.6	11.1
60°	17.2	16.6	15.6	14.1	12.9	12.9	11.1
57.5°	19.1	17.5	16.6	14.7	13.5	13.1	11.1
55°	21.4	18.4	17.7	15.3	14.2	13.4	11.1
52.5°	23.8	19.6	18.9	15.9	15.0	13.6	11.1
50°	26.4	22.4	20.2	16.4	15.7	13.8	11.1
47.5°	29.6	25.3	21.5	17.1	16.5	14.1	11.1
45°	35.2	28.4	23.0	18.2	17.4	14.3	11.1
42.5°	40.8	31.6	24.5	19.4	18.3	14.6	11.1
40°	46.7	35.0	26.6	21.0	19.2	14.8	11.1
37.5°	53.1	38.5	29.2	23.1	20.2	15.1	11.1
35°	59.6	43.1	31.9	25.1	21.2	15.3	11.1
32.5°	66.5	48.3	34.7	27.2	22.2	15.6	11.1
30°	74.6	53.4	37.4	29.4	23.2	15.8	11.1
27.5°	82.6	58.4	41.1	31.6	24.3	16.0	11.1
25°	90.3	63.4	44.8	33.8	25.3	16.3	11.1
22.5°	97.8	68.4	48.5	36.0	26.4	16.5	11.1
20°	105.1	73.9	52.1	38.2	27.5	16.7	11.1
17.5°	112.3	79.2	55.6	40.4	28.6	16.9	11.1
15°	119.3	84.2	59.0	42.5	29.6	17.1	11.1
12.5°	125.9	89.0	62.2	44.7	30.7	17.3	11.1
10°	132.1	93.5	65.4	46.8	31.7	17.5	11.1
7.5°	137.8	97.8	68.4	48.8	32.7	17.7	11.1
5°	143.1	101.8	71.3	50.7	33.6	17.8	11.1
2.5°	147.9	105.5	74.0	52.6	34.5	18.0	11.1
0°	152.2	108.9	76.6	54.4	35.3	18.1	11.1
-2.5°	158.7	113.9	80.2	56.8	36.8	18.8	11.1
-5°	164.6	118.5	83.5	59.1	38.3	19.5	11.1
-7.5°	170.0	122.8	86.7	61.2	39.6	20.1	11.1
-10°	174.8	126.7	89.7	63.3	40.9	20.8	11.1
-12.5°	179.0	130.2	92.4	65.2	42.1	21.4	11.1
-15°	182.5	133.2	94.9	66.9	43.2	22.0	11.1
-17.5°	185.3	135.8	97.1	68.5	44.3	22.6	11.1
-20°	187.9	137.9	99.1	70.0	45.2	23.1	11.1



REPORT NUMBER: P1306248 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-57-70-5S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	190.5	139.6	100.8	71.3	46.0	23.6	11.1
-25°	192.3	141.5	102.2	72.4	46.8	24.1	11.1
-27.5°	193.5	143.4	103.3	73.4	47.4	24.5	11.1
-30°	193.8	144.8	104.2	74.2	48.0	24.9	11.1
-32.5°	193.4	145.7	106.0	74.8	48.4	25.2	11.1
-35°	193.5	146.1	107.4	75.3	48.7	25.5	11.1
-37.5°	193.5	146.6	108.6	75.6	48.9	25.8	11.1
-40°	192.8	147.7	109.5	75.7	49.1	26.0	11.1
-42.5°	191.8	148.4	110.3	75.8	49.1	26.2	11.1
-45°	190.1	148.8	110.9	76.3	49.0	26.3	11.1
-47.5°	187.8	148.8	111.1	76.5	48.7	26.4	11.1
-50°	186.9	148.4	110.9	76.5	48.4	26.5	11.1
-52.5°	185.9	147.7	110.4	76.4	48.0	26.5	11.1
-55°	184.4	146.3	109.6	76.0	47.5	26.4	11.1
-57.5°	182.3	144.6	108.4	75.5	46.8	26.3	11.1
-60°	179.8	142.4	106.8	74.7	46.1	26.2	11.1
-62.5°	176.4	139.8	105.3	73.7	45.5	26.0	11.1
-65°	172.6	136.8	103.5	72.5	44.7	25.8	11.1
-67.5°	168.2	133.5	101.4	71.1	43.9	25.5	11.1
-70°	163.4	129.9	99.0	69.5	42.9	25.2	11.1
-72.5°	157.7	125.9	96.4	68.0	41.9	24.9	11.1
-75°	151.3	121.4	93.5	66.4	40.7	24.5	11.1
-77.5°	144.5	116.6	90.8	64.6	39.5	24.1	11.1
-80°	137.3	112.3	87.9	62.7	38.2	23.7	11.1
-82.5°	131.6	108.1	84.9	60.6	36.8	23.2	11.1
-85°	126.0	103.7	81.6	58.3	35.4	22.8	11.1
-87.5°	120.1	99.1	78.2	56.0	33.9	22.2	11.1
-90°	9.1	9.1	9.1	9.1	9.1	10.1	11.1

(END OF REPORT)