

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: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-80-1S-VHE-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-1)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680N-40-80-1S-VHE-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

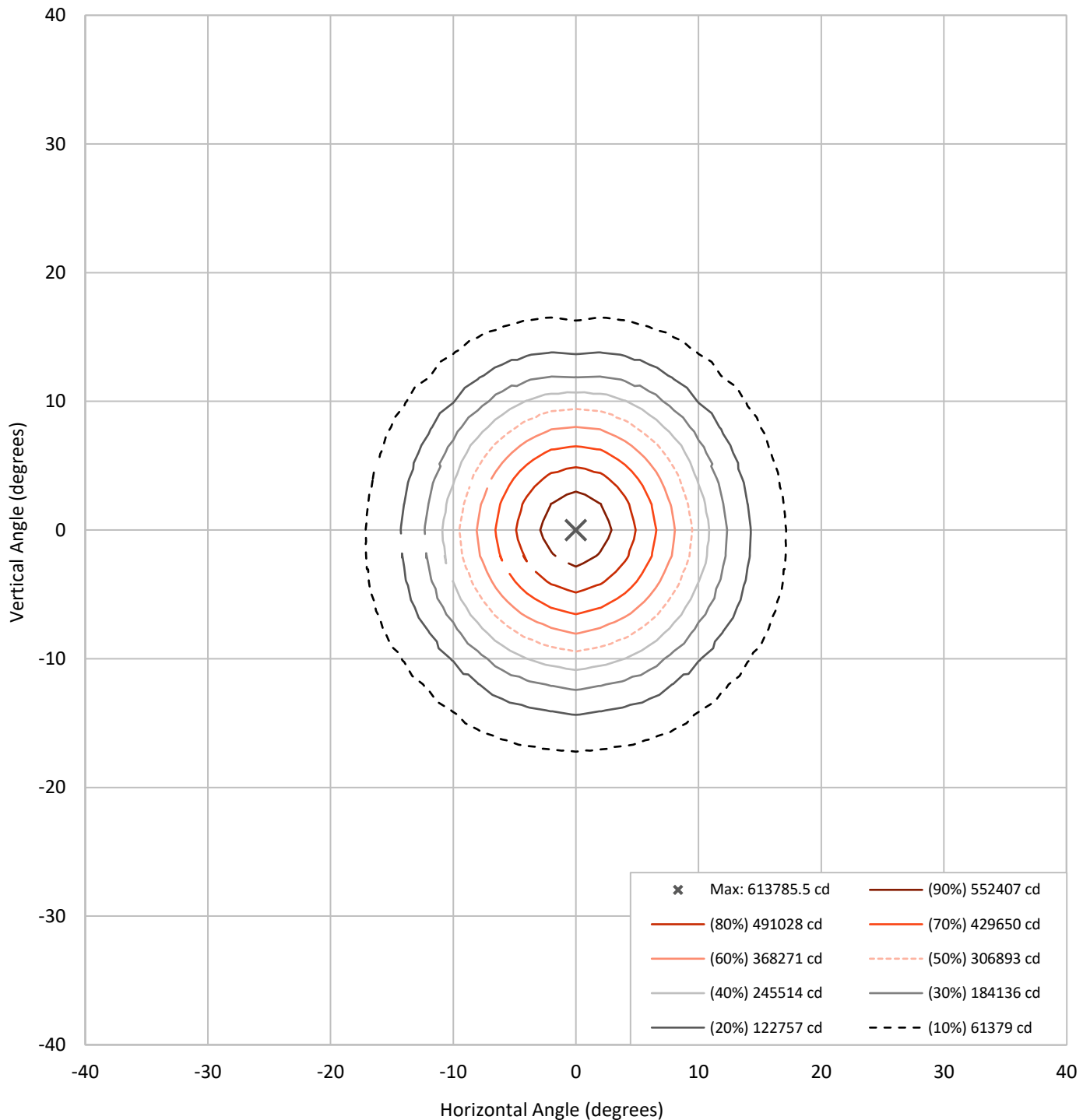
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	80902.8 lumens	Max Intensity:	613785.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	112.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	19°H x 18.9°V	Field Angle (10%):	34°H x 33.3°V
Beam Lumens:	35862.8 lumens	Field Lumens:	65318.6 lumens
Beam Efficiency:	44.3%	Field Efficiency:	80.7%

Input Watts (W): 718
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: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

Iso-Candela Plot





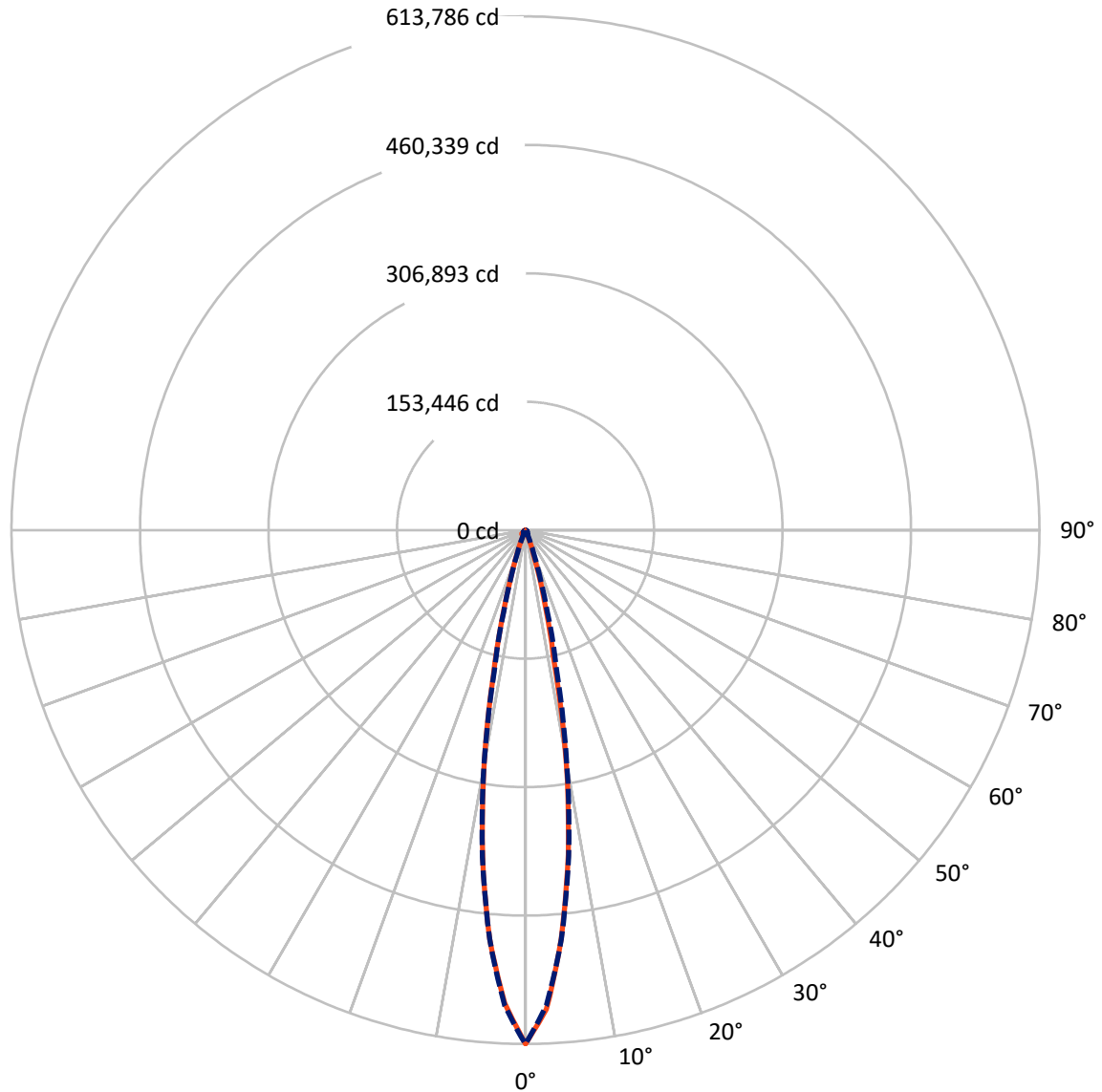
REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

Lumen Table

90	0.3	1.1		2.1		2.8		3.1		2.8		2.1		1.1		0.3			
80	0.3	1.1		2.1		2.8		3.1		2.8		2.1		1.1		0.3			
70	0.4	0.2	0.3	0.6	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.6	0.3	0.2	0.4			
60		0.5	0.9	1.1	0.9	0.9	1.1	1.2	1.2	1.1	0.9	0.9	1.1	0.9	0.5				
50	1.1	1.4	3.0	5.9	9.1	15.8	24.0	26.5	26.5	24.0	15.8	9.1	5.9	3.0	1.4	1.1			
40		3.1	8.7	15.8	33.1	54.1	60.6	63.6	63.6	60.6	54.1	33.1	15.8	8.7	3.1				
30	2.6	5.2	14.2	29.2	69.6	73.9	89.6	148.4	148.4	89.6	73.9	69.6	29.2	14.2	5.2	2.6			
20		7.1	18.3	52.1	92.2	108.9	678.0	2701.6	2701.6	678.0	108.9	92.2	52.1	18.3	7.1				
10	3.9	8.7	21.5	69.0	102.9	203.1	2739.2	11396.5	11396.5	2739.2	203.1	102.9	69.0	21.5	8.7	3.9			
0		9.7	24.1	73.6	114.4	227.1	2879.7	11341.6	11341.6	2879.7	227.1	114.4	73.6	24.1	9.7				
-10	4.6	10.0	25.8	72.7	126.7	156.2	799.5	2927.2	2927.2	799.5	156.2	126.7	72.7	25.8	10.0	4.6			
-20		9.7	26.1	56.3	129.1	158.1	172.5	267.9	267.9	172.5	158.1	129.1	56.3	26.1	9.7				
-30	4.3	8.7	24.4	44.9	94.6	158.9	178.6	180.6	180.6	178.6	158.9	94.6	44.9	24.4	8.7	4.3			
-40		7.3	20.0	39.2	58.6	88.6	131.2	163.6	163.6	131.2	88.6	58.6	39.2	20.0	7.3				
-50	3.7	5.7	14.5	28.6	45.6	59.4	69.2	75.6	75.6	69.2	59.4	45.6	28.6	14.5	5.7	3.7			
-60		4.5	9.5	17.4	27.6	37.0	45.1	50.5	50.5	45.1	37.0	27.6	17.4	9.5	4.5				
-70	2.5	17.0		40.8		64.0		76.4		64.0		40.8		17.0		2.5			
-80		17.0		40.8		64.0		76.4		64.0		40.8		17.0					
-90	2.5	17.0		40.8		64.0		76.4		64.0		40.8		17.0		2.5			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

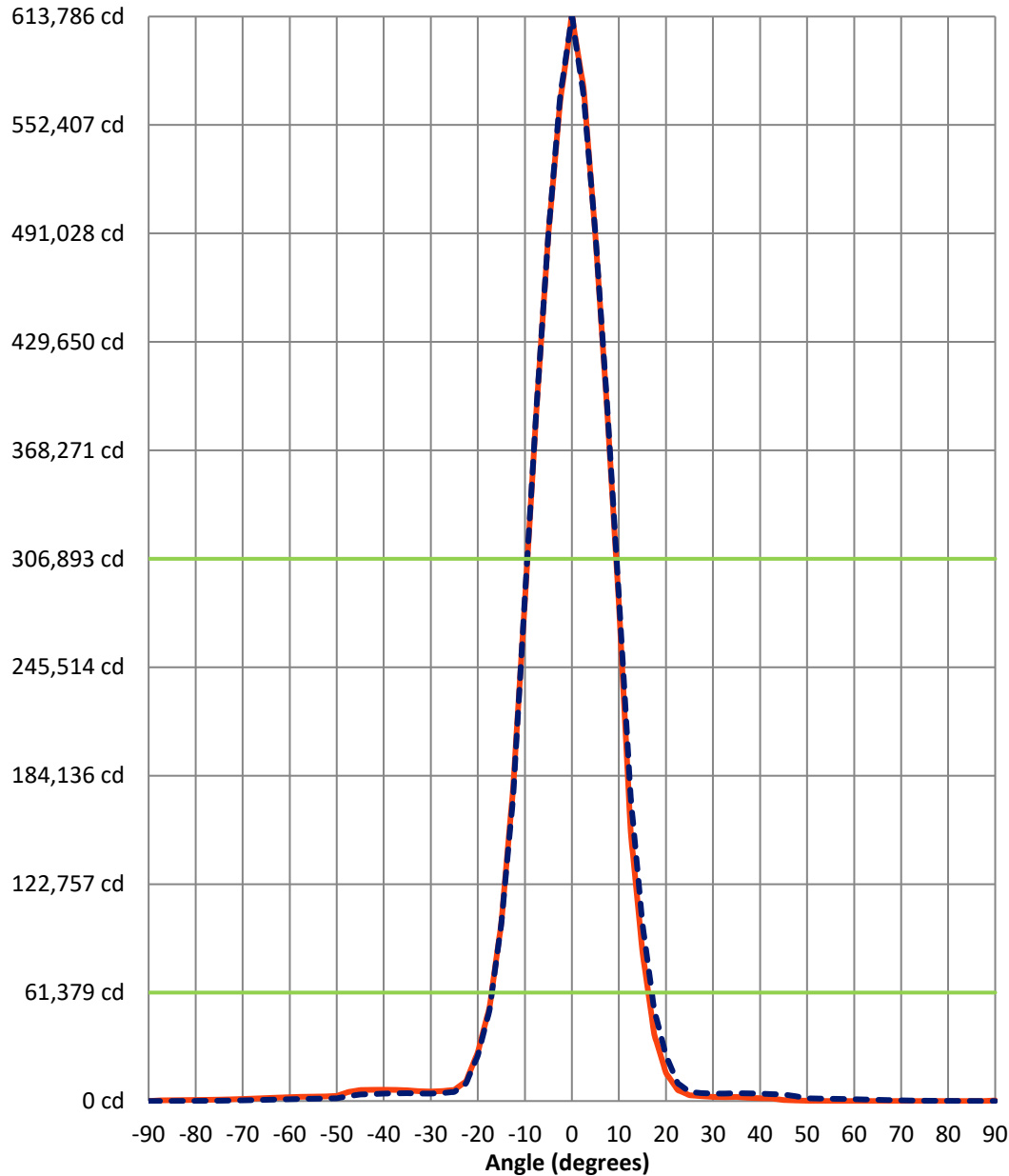
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

Luminous Intensity Plot



Beam:
H Angle: 19°
V Angle: 18.9°
Lumens: 35862.8
Efficiency: 44.3%

Field:
H Angle: 34°
V Angle: 33.3°
Lumens: 65318.6
Efficiency: 80.7%

Spill:
Lumens: 15584.2
Efficiency: 19.3%

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



REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.8	23.4	38.1	57.1	76.2	95.2	114.3	127.9	141.4	155.0	168.5
87.5°	8.8	7.6	6.2	6.2	6.2	6.1	5.9	5.9	5.9	5.9	5.9
85°	8.8	7.9	6.4	6.5	6.4	6.2	5.9	5.9	5.9	5.9	5.9
82.5°	8.8	8.1	6.7	6.8	6.7	6.4	5.9	5.9	5.9	6.0	5.9
80°	8.8	8.4	7.0	7.0	6.9	6.6	6.1	6.3	6.5	6.3	6.0
77.5°	8.8	8.7	7.3	7.3	7.2	7.0	6.9	7.0	7.0	6.7	6.2
75°	8.8	8.9	7.6	7.6	7.6	8.1	7.8	7.7	7.7	7.6	7.0
72.5°	8.8	9.2	7.9	7.9	8.7	9.1	8.7	8.7	9.1	8.8	7.9
70°	8.8	9.5	8.3	8.4	9.8	10.2	9.8	10.3	10.5	10.1	9.6
67.5°	8.8	9.8	8.7	9.4	10.9	11.3	11.7	11.9	12.1	12.5	11.6
65°	8.8	10.1	9.1	10.3	12.0	13.0	13.7	13.6	14.8	15.0	14.2
62.5°	8.8	10.4	9.5	11.3	13.1	15.1	15.9	16.1	17.7	18.1	18.0
60°	8.8	10.7	10.0	12.3	14.3	17.3	18.2	19.1	20.7	22.3	22.2
57.5°	8.8	11.0	11.0	13.3	16.3	19.7	21.7	22.4	24.9	26.8	29.3
55°	8.8	11.3	12.0	14.3	18.4	22.1	25.7	26.4	29.5	32.6	38.4
52.5°	8.8	11.6	13.0	15.3	20.6	24.8	29.8	31.9	34.4	42.5	48.4
50°	8.8	11.9	14.1	16.3	22.8	28.6	34.2	38.1	40.8	52.9	64.3
47.5°	8.8	12.2	15.3	17.5	25.0	32.6	39.0	44.6	51.1	64.1	81.9
45°	8.8	12.5	16.4	19.2	27.2	36.7	45.2	51.7	63.8	81.3	100.8
42.5°	8.8	12.8	17.6	20.9	29.5	40.9	51.6	61.6	77.1	99.4	128.8
40°	8.8	13.2	18.8	23.1	32.3	45.3	58.3	73.6	92.6	118.6	160.3
37.5°	8.8	13.5	20.1	25.7	35.7	49.7	65.3	85.8	111.9	143.4	193.9
35°	8.8	13.8	21.3	28.4	39.0	54.9	72.4	98.3	131.7	174.5	231.7
32.5°	8.8	14.1	22.6	31.1	42.4	60.6	80.6	110.9	151.8	205.0	271.1
30°	8.8	14.4	23.9	33.8	45.7	66.3	90.9	124.7	172.2	234.8	308.8
27.5°	8.8	14.7	25.2	36.5	50.5	72.0	101.1	141.4	194.5	263.9	344.8
25°	8.8	15.0	26.5	39.3	55.3	77.7	111.3	158.1	218.9	293.8	379.2
22.5°	8.8	15.3	27.8	42.0	60.2	83.7	121.2	174.5	242.5	323.0	417.1
20°	8.8	15.6	29.1	44.8	64.9	90.7	131.0	190.6	265.0	350.5	452.9
17.5°	8.8	15.9	30.3	47.5	69.6	97.4	140.8	206.2	286.4	376.3	486.5
15°	8.8	16.2	31.6	50.2	74.2	103.9	150.3	220.7	306.7	400.3	517.8
12.5°	8.8	16.5	32.8	52.8	78.6	110.1	159.2	233.2	325.2	422.5	546.6
10°	8.8	16.7	34.0	55.3	82.9	116.0	167.6	244.8	342.0	446.8	576.4
7.5°	8.8	17.0	35.1	57.8	87.1	121.5	175.4	255.2	357.6	470.5	611.0
5°	8.8	17.2	36.2	60.2	91.0	126.8	182.5	264.6	371.9	492.8	643.5
2.5°	8.8	17.4	37.2	62.4	94.7	131.7	189.1	272.8	384.6	513.3	673.4
0°	8.8	17.6	38.1	64.5	98.2	136.3	194.9	279.8	395.6	531.8	700.3
-2.5°	8.8	18.5	40.2	67.9	102.6	142.0	201.8	289.4	408.5	546.0	715.3
-5°	8.8	19.3	42.2	71.1	106.7	147.2	208.0	297.7	419.5	557.8	726.9
-7.5°	8.8	20.1	44.0	74.2	110.5	152.1	213.5	304.7	428.3	567.1	735.1
-10°	8.8	20.9	45.8	77.0	114.1	156.5	218.2	310.2	435.0	573.8	739.9
-12.5°	8.8	21.6	47.5	79.7	117.4	160.6	222.2	314.3	439.3	578.4	744.9
-15°	8.8	22.4	49.1	82.2	120.4	164.2	225.4	316.8	441.8	582.5	747.8
-17.5°	8.8	23.1	50.5	84.4	123.2	167.3	227.8	318.6	442.6	583.7	746.6
-20°	8.8	23.7	51.8	86.5	125.6	169.9	229.9	319.5	441.1	582.0	741.2



REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.8	24.3	53.0	88.3	127.7	172.1	231.8	318.7	437.1	577.2	731.7
-25°	8.8	24.9	54.0	89.8	129.6	174.3	232.8	316.0	430.8	569.3	717.9
-27.5°	8.8	25.5	54.9	91.1	131.1	176.0	232.8	311.5	422.0	558.9	706.2
-30°	8.8	26.0	55.6	92.2	132.4	177.2	231.7	305.2	413.8	546.8	691.3
-32.5°	8.8	26.4	56.2	93.0	133.5	177.8	229.7	301.8	405.1	531.8	672.7
-35°	8.8	26.8	56.6	93.6	134.1	177.9	229.0	298.5	394.1	514.0	650.6
-37.5°	8.8	27.2	56.8	93.9	134.4	177.8	228.5	293.9	380.8	493.4	627.8
-40°	8.8	27.5	56.9	93.9	134.4	177.8	227.3	288.1	365.2	474.4	601.7
-42.5°	8.8	27.7	56.9	93.6	134.0	177.2	225.4	281.0	354.0	453.7	571.5
-45°	8.8	27.9	56.6	93.1	133.3	176.2	222.8	274.8	344.3	430.3	538.3
-47.5°	8.8	28.1	56.2	92.3	132.2	174.6	219.4	270.8	333.1	404.5	508.8
-50°	8.8	28.2	55.6	91.4	130.7	172.5	216.6	266.0	319.5	388.7	476.2
-52.5°	8.8	28.2	54.9	90.2	128.9	170.0	213.4	260.3	309.7	371.0	442.3
-55°	8.8	28.2	54.0	88.8	126.7	167.0	209.6	254.0	301.2	351.3	419.6
-57.5°	8.8	28.2	53.0	87.1	124.1	163.6	205.1	248.5	291.8	338.2	394.7
-60°	8.8	28.1	51.8	85.2	121.2	159.7	200.1	241.9	282.0	326.4	372.2
-62.5°	8.8	27.9	51.3	83.1	118.1	155.4	194.6	234.4	273.1	313.6	357.6
-65°	8.8	27.8	50.6	80.7	114.7	150.6	188.4	226.3	263.4	301.8	342.1
-67.5°	8.8	27.5	49.8	78.1	110.9	145.5	181.8	217.6	253.1	289.6	327.2
-70°	8.8	27.2	48.9	75.3	106.8	139.9	174.7	208.2	241.7	276.7	312.2
-72.5°	8.8	26.9	47.9	73.3	102.4	134.0	167.0	198.3	229.7	262.3	296.2
-75°	8.8	26.5	46.8	71.5	97.8	127.8	158.9	187.8	217.0	247.2	278.6
-77.5°	8.8	26.1	45.5	69.4	94.4	121.1	150.4	176.7	203.5	231.4	260.1
-80°	8.8	25.6	44.2	67.3	91.1	115.8	141.4	165.3	189.5	214.7	240.6
-82.5°	8.8	25.1	42.8	64.9	87.7	111.0	134.8	154.6	175.1	197.4	220.3
-85°	8.8	24.6	41.3	62.5	84.0	105.9	128.2	145.9	164.0	182.4	201.3
-87.5°	8.8	24.0	39.7	59.9	80.2	100.7	121.4	137.0	152.8	168.8	185.1
-90°	8.8	7.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9



REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	181.3	194.2	207.0	219.8	229.3	238.9	248.4	257.9	266.0	274.0	282.1
87.5°	5.5	5.2	4.8	4.4	4.4	4.4	4.4	4.4	4.0	3.7	3.3
85°	5.5	5.2	4.8	4.4	4.4	4.4	4.4	4.4	4.0	3.7	3.3
82.5°	5.6	5.2	4.8	4.4	4.4	4.4	4.4	4.4	4.1	3.9	3.7
80°	5.6	5.2	5.0	4.9	4.9	4.9	4.7	4.5	4.4	4.4	4.5
77.5°	6.0	5.9	5.9	5.8	5.6	5.4	5.2	5.2	5.2	5.1	4.9
75°	6.7	6.7	6.6	6.1	5.8	5.8	5.9	5.9	5.7	5.3	4.9
72.5°	7.6	7.6	7.2	6.4	6.2	6.3	6.3	6.1	6.4	7.3	8.0
70°	8.9	8.6	8.5	7.7	6.9	7.3	8.5	9.6	10.7	12.5	15.1
67.5°	10.4	10.8	10.4	9.7	9.5	11.0	12.4	17.0	22.2	24.9	26.0
65°	13.0	13.2	13.9	14.1	13.2	17.3	22.7	28.8	34.5	35.6	34.7
62.5°	16.2	17.8	19.0	20.2	21.7	25.8	31.9	38.1	44.3	42.5	36.6
60°	22.3	23.3	26.7	30.1	31.3	33.5	40.2	43.6	45.6	44.4	34.5
57.5°	30.0	31.7	37.4	41.3	42.5	40.0	42.5	44.6	44.4	39.1	30.0
55°	40.7	42.8	49.8	55.0	54.7	45.1	44.5	46.6	43.2	38.0	29.6
52.5°	56.1	57.3	65.1	70.6	68.7	58.7	51.6	54.9	54.4	47.6	40.4
50°	73.0	79.5	82.4	90.2	89.7	81.6	68.1	74.9	86.7	84.5	74.4
47.5°	97.0	105.5	105.8	115.2	119.5	126.5	115.1	129.4	146.9	182.7	171.3
45°	125.8	139.8	140.8	149.6	171.7	198.3	209.0	208.1	296.7	328.6	351.9
42.5°	157.6	180.0	189.5	188.9	260.0	300.4	323.4	396.4	463.7	484.0	495.0
40°	197.9	224.9	245.4	291.3	365.0	420.9	478.6	556.7	593.4	597.0	597.2
37.5°	242.0	281.4	314.5	392.7	486.6	548.7	620.5	654.0	679.5	680.9	709.7
35°	289.3	342.3	403.6	490.8	594.3	664.7	706.2	736.6	750.5	782.3	922.5
32.5°	343.7	407.5	487.6	584.6	683.4	755.2	780.0	806.2	840.0	934.6	1345.9
30°	398.4	480.9	567.3	671.8	771.9	822.5	848.6	881.6	934.6	1303.7	1873.6
27.5°	444.8	549.7	644.0	752.9	855.1	890.1	920.5	969.7	1195.1	1713.0	2504.8
25°	489.3	604.4	714.9	833.0	917.6	956.3	994.4	1061.2	1501.1	2321.8	2862.2
22.5°	533.8	659.6	779.2	912.1	979.8	1020.0	1078.5	1328.0	1943.3	2930.0	3184.1
20°	579.5	714.9	843.1	976.1	1039.6	1081.4	1161.8	1630.3	2483.8	3189.6	3424.9
17.5°	624.3	768.1	903.2	1021.2	1087.1	1146.2	1273.4	1934.2	2970.4	3445.7	3609.5
15°	667.7	819.0	957.8	1064.9	1134.4	1216.1	1535.7	2338.5	3286.0	3675.6	3831.2
12.5°	709.4	867.2	1007.1	1106.8	1181.7	1285.3	1810.3	2738.2	3497.4	3856.6	4005.6
10°	748.8	912.5	1051.3	1146.7	1228.4	1353.0	2087.1	3075.7	3671.8	3979.0	4092.6
7.5°	786.0	951.7	1090.9	1184.6	1273.9	1418.2	2355.6	3354.0	3809.4	4082.8	4152.7
5°	818.5	983.6	1127.4	1225.3	1319.7	1475.9	2585.5	3576.8	3916.1	4169.2	4214.7
2.5°	846.5	1011.1	1160.5	1264.5	1363.9	1522.0	2696.6	3667.1	3929.6	4207.3	4279.2
0°	870.2	1034.3	1189.6	1301.0	1405.0	1561.8	2760.2	3713.9	3913.2	4217.9	4346.9
-2.5°	889.6	1065.9	1231.2	1339.4	1444.3	1599.5	2755.5	3750.1	3954.4	4314.9	4606.8
-5°	904.9	1092.5	1267.8	1375.0	1480.2	1631.9	2706.1	3739.8	4010.5	4400.8	4766.9
-7.5°	915.9	1113.3	1298.8	1408.6	1515.6	1668.8	2670.7	3784.6	4174.0	4502.7	4831.8
-10°	923.2	1127.1	1317.6	1439.8	1551.3	1705.2	2594.6	3765.8	4326.8	4604.8	4894.1
-12.5°	931.6	1134.9	1329.7	1467.1	1582.4	1734.0	2460.3	3675.9	4468.4	4714.9	4955.1
-15°	935.1	1137.5	1336.1	1490.0	1608.6	1754.5	2265.4	3509.3	4562.9	4774.8	4994.1
-17.5°	933.5	1135.0	1336.6	1508.4	1629.6	1766.3	2007.9	3200.9	4414.4	4798.3	5030.3
-20°	926.7	1127.5	1331.3	1521.9	1645.4	1781.0	1966.5	2846.3	4008.7	4780.7	5056.3



REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	914.6	1115.0	1318.9	1514.3	1663.0	1799.7	1968.4	2478.6	3530.0	4721.1	5058.3
-25°	898.9	1097.3	1299.8	1506.1	1678.5	1812.4	1962.5	2157.5	3056.1	4206.1	5007.8
-27.5°	879.9	1073.5	1281.0	1490.6	1690.9	1820.6	1963.9	2142.3	2638.1	3611.2	4815.2
-30°	856.1	1046.9	1254.7	1466.4	1673.5	1829.4	1964.3	2107.0	2290.0	3074.5	4112.3
-32.5°	829.2	1014.4	1220.1	1430.7	1641.1	1835.3	1953.0	2082.1	2239.5	2521.4	3407.8
-35°	801.9	981.1	1177.8	1386.5	1600.1	1800.2	1943.3	2058.9	2187.9	2359.4	2764.1
-37.5°	775.5	942.1	1128.2	1333.6	1543.2	1737.3	1925.3	2039.6	2157.8	2278.4	2446.8
-40°	744.3	897.7	1077.7	1272.0	1469.1	1662.7	1849.2	2019.9	2128.5	2233.1	2342.2
-42.5°	708.7	857.9	1023.1	1200.7	1386.8	1574.8	1764.3	1943.7	2096.2	2189.7	2289.2
-45°	670.3	813.2	964.5	1128.2	1297.2	1479.0	1661.5	1844.4	2007.5	2153.2	2242.2
-47.5°	627.0	763.8	908.5	1050.0	1207.5	1374.8	1550.7	1722.8	1890.7	2045.6	2197.0
-50°	582.1	710.1	843.6	975.8	1116.4	1269.2	1430.9	1593.9	1755.0	1912.7	2061.5
-52.5°	542.0	651.3	774.5	900.1	1028.0	1164.2	1307.9	1455.4	1609.8	1763.1	1901.5
-55°	498.6	598.3	701.1	819.5	941.0	1063.5	1183.6	1316.6	1454.4	1598.8	1728.0
-57.5°	463.6	543.4	633.7	734.1	848.0	963.2	1068.9	1175.9	1298.5	1426.6	1538.9
-60°	432.7	495.6	569.0	656.1	749.7	853.7	953.3	1052.1	1151.1	1248.8	1355.0
-62.5°	402.6	457.4	514.9	580.9	663.6	743.6	831.2	922.6	1013.8	1101.5	1186.4
-65°	384.4	422.6	471.6	525.5	579.5	649.1	720.1	790.2	870.8	950.1	1027.7
-67.5°	364.8	400.9	437.3	477.1	526.6	572.3	617.7	681.2	744.0	803.4	864.5
-70°	346.4	378.5	412.3	446.8	480.1	513.9	555.5	596.7	637.1	680.7	733.2
-72.5°	327.6	357.2	387.6	418.6	448.6	476.6	504.7	532.9	565.9	601.5	636.1
-75°	307.3	335.1	362.9	391.2	417.2	442.0	467.2	492.7	517.7	542.6	567.5
-77.5°	285.8	310.9	336.5	362.5	385.6	407.4	429.5	451.9	473.8	495.5	517.1
-80°	263.4	286.0	308.7	331.8	351.7	371.0	390.5	410.1	429.4	448.5	467.4
-82.5°	240.0	259.8	279.8	300.0	317.0	333.6	350.2	366.8	383.1	399.3	415.6
-85°	217.3	233.1	250.1	267.3	281.6	295.8	309.8	323.9	337.5	351.0	364.4
-87.5°	199.4	213.8	228.1	242.3	253.5	264.6	275.7	286.8	297.2	307.6	318.0
-90°	5.5	5.2	4.8	4.4	4.4	4.4	4.4	4.4	4.0	3.7	3.3



REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	290.1	295.6	301.1	306.6	312.1	316.9	321.6	326.4	331.1	334.0	337.0
87.5°	2.9	2.8	2.8	2.8	2.8	2.5	2.2	1.8	1.5	1.5	1.5
85°	2.9	2.9	2.9	2.9	2.9	2.6	2.2	1.9	1.5	1.5	1.5
82.5°	3.6	3.5	3.4	3.2	2.9	2.8	2.8	2.8	2.8	2.8	2.8
80°	4.4	4.1	3.7	3.3	3.0	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	4.5	4.1	3.7	3.4	3.0	2.9	2.9	2.9	2.9	2.9	2.9
75°	4.5	4.4	4.6	4.6	4.4	4.4	4.4	4.3	4.1	3.9	3.6
72.5°	8.7	9.1	9.0	9.2	9.3	9.5	9.9	10.1	10.1	10.2	10.3
70°	16.5	17.0	17.5	17.3	16.2	15.4	15.0	14.6	14.1	14.5	15.4
67.5°	25.1	23.3	22.5	21.2	18.9	16.9	15.7	14.5	13.1	12.5	12.3
65°	31.1	24.5	21.4	18.9	17.0	14.8	12.8	11.0	9.4	8.4	8.0
62.5°	29.6	21.1	16.6	14.0	11.7	9.7	8.0	6.7	5.8	5.3	5.4
60°	25.2	16.5	11.6	9.4	7.0	4.6	4.3	4.1	3.8	3.5	3.7
57.5°	22.6	14.9	9.0	8.9	7.7	5.5	4.8	4.8	4.1	2.9	3.4
55°	25.1	21.3	14.8	15.2	14.8	12.5	10.7	12.7	12.2	9.6	10.5
52.5°	37.8	43.3	35.3	32.8	44.7	44.3	34.7	47.4	54.4	53.2	54.3
50°	88.8	100.3	112.4	102.9	126.4	140.3	137.3	153.8	170.8	170.4	175.7
47.5°	210.3	242.0	245.5	251.8	278.6	312.6	340.3	359.8	369.8	365.6	368.5
45°	376.4	383.5	399.9	436.4	481.9	536.7	578.5	602.7	684.5	742.5	776.4
42.5°	498.9	521.1	561.5	657.5	727.9	889.7	1085.4	1161.3	1257.4	1306.2	1309.2
40°	621.7	678.5	844.9	1019.9	1399.8	1682.3	1699.2	1819.0	1874.1	1813.3	1804.2
37.5°	824.6	1035.4	1321.3	1725.7	1902.4	1979.2	2021.4	2036.7	2047.8	2037.6	2032.4
35°	1224.5	1591.1	1871.8	2003.6	2083.5	2086.0	2095.8	2094.5	2081.4	2074.6	2060.1
32.5°	1814.2	2163.9	2172.4	2162.2	2178.9	2169.4	2151.0	2142.5	2114.1	2097.1	2102.9
30°	2422.3	2424.3	2389.8	2309.7	2269.6	2257.3	2230.7	2208.9	2182.0	2186.0	2279.6
27.5°	2663.6	2634.0	2585.8	2516.7	2382.4	2356.0	2334.7	2325.5	2438.0	2540.7	2632.4
25°	2933.6	2857.0	2830.5	2770.2	2632.0	2479.2	2546.4	2652.2	2799.2	2952.2	3099.9
22.5°	3167.1	3111.8	3094.7	3072.3	2846.8	2781.0	2873.2	3047.2	3248.0	3514.0	4273.5
20°	3397.2	3337.4	3317.8	3205.3	3087.1	3103.4	3274.8	3578.2	4139.9	6157.9	8622.3
17.5°	3590.6	3528.7	3461.9	3330.6	3293.0	3457.5	3800.4	4866.0	7516.9	14141.0	20873.6
15°	3770.8	3689.6	3575.9	3489.8	3561.0	3867.3	4716.6	8347.1	16934.0	28052.6	42071.2
12.5°	3931.0	3806.6	3647.5	3602.9	3819.5	4335.4	7666.4	16379.2	29514.3	45354.1	78264.7
10°	4042.4	3881.2	3742.5	3819.6	4164.0	5548.8	11032.3	24556.3	43988.2	79416.2	120388.9
7.5°	4090.3	3944.4	3863.7	4029.3	4489.1	7125.9	16607.8	33961.4	62128.4	109766.8	175139.8
5°	4144.6	4043.9	3998.9	4236.9	4802.3	8410.8	20617.6	41876.2	81527.0	138272.4	222456.2
2.5°	4254.3	4158.4	4127.1	4419.0	5076.2	9608.9	23751.1	48029.5	94379.1	162058.7	264445.5
0°	4447.9	4248.7	4223.8	4509.5	5186.3	10154.4	25807.2	51740.3	100491.9	172236.2	285105.0
-2.5°	4601.6	4364.3	4316.9	4571.7	5234.9	9887.1	25598.6	51612.4	97997.9	168834.6	271985.2
-5°	4735.8	4497.7	4432.3	4669.0	5341.3	9877.2	24242.5	47357.4	87690.3	148357.8	229218.1
-7.5°	4855.2	4649.3	4552.4	4740.8	5355.4	8845.3	19608.2	38989.9	70093.0	115829.6	177412.3
-10°	4981.1	4823.0	4690.9	4816.9	5295.8	7037.8	13117.7	28105.5	49917.4	83998.2	126255.4
-12.5°	5124.9	5045.3	4851.2	4869.5	5215.3	5938.9	9695.3	19621.8	34655.7	52913.4	83544.1
-15°	5247.0	5243.3	5080.9	5029.2	5201.1	5665.1	6764.2	10896.6	21022.0	34013.8	49166.3
-17.5°	5272.4	5402.3	5340.1	5182.2	5192.3	5452.5	5905.5	7221.0	10559.6	18715.2	27730.7
-20°	5288.8	5566.2	5572.7	5444.6	5332.2	5303.2	5510.2	5893.9	6639.9	9396.0	13023.7



REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5313.9	5577.5	5765.1	5729.6	5509.1	5380.1	5333.7	5479.0	5731.5	6087.1	7264.2
-25°	5325.8	5571.8	5840.3	5913.9	5821.4	5585.4	5408.8	5310.2	5399.5	5512.3	5742.6
-27.5°	5275.0	5563.0	5823.3	6041.5	6068.1	5913.7	5654.1	5443.5	5361.7	5284.1	5378.9
-30°	5190.6	5512.3	5784.5	6052.9	6160.3	6110.9	5975.0	5804.1	5604.6	5449.4	5394.9
-32.5°	4499.5	5436.5	5715.2	5947.9	6125.0	6175.6	6177.0	6085.5	6000.2	5880.5	5740.5
-35°	3707.1	4746.4	5653.4	5770.6	5933.0	6100.6	6225.2	6229.4	6219.4	6162.7	6103.7
-37.5°	2881.7	3850.3	4722.6	5420.9	5666.5	5863.9	6077.1	6221.2	6311.7	6295.3	6284.4
-40°	2508.9	2814.1	3630.2	4342.1	4939.3	5501.2	5732.2	5991.1	6199.3	6271.8	6320.7
-42.5°	2393.7	2524.3	2657.2	3196.6	3811.8	4353.0	4861.9	5347.2	5780.6	6026.1	6197.0
-45°	2330.6	2403.2	2484.6	2604.7	2708.6	3156.7	3612.7	4055.7	4596.2	5093.9	5525.4
-47.5°	2272.2	2328.9	2391.9	2453.8	2511.4	2592.8	2663.4	2789.1	3194.0	3602.3	4012.0
-50°	2178.1	2272.0	2324.2	2370.3	2411.1	2448.9	2481.5	2538.3	2605.5	2664.1	2723.3
-52.5°	2020.7	2126.5	2226.9	2302.9	2334.9	2366.2	2398.4	2441.4	2481.2	2517.6	2545.5
-55°	1844.4	1951.4	2052.6	2129.7	2198.9	2262.5	2319.2	2357.4	2394.5	2430.3	2457.6
-57.5°	1650.4	1759.6	1858.5	1932.4	2001.6	2065.9	2128.3	2188.3	2243.2	2292.7	2334.8
-60°	1454.1	1546.2	1635.6	1713.7	1785.1	1849.4	1911.1	1970.2	2024.2	2072.8	2115.1
-62.5°	1269.7	1355.0	1425.7	1489.6	1551.0	1610.4	1672.8	1730.4	1782.6	1830.4	1874.2
-65°	1103.4	1177.0	1230.5	1280.5	1327.9	1378.8	1433.8	1484.4	1530.6	1573.5	1613.0
-67.5°	932.4	996.1	1043.1	1086.5	1126.8	1167.4	1211.4	1252.3	1290.0	1326.1	1359.9
-70°	783.9	828.3	861.1	894.4	930.2	966.8	1004.7	1039.1	1070.1	1099.7	1126.8
-72.5°	669.7	697.0	720.0	748.4	774.0	801.3	829.4	855.4	879.2	902.3	924.0
-75°	592.5	612.6	631.3	648.8	665.2	684.7	705.0	724.2	742.2	759.1	775.0
-77.5°	538.7	554.3	567.2	579.4	591.0	606.2	622.0	637.5	652.5	665.2	677.0
-80°	486.2	498.7	509.7	520.3	530.5	543.6	556.9	569.9	582.5	594.1	605.1
-82.5°	431.7	442.0	451.3	460.4	469.1	480.2	491.2	501.8	512.2	521.7	530.9
-85°	377.7	385.4	392.7	399.8	406.7	415.7	424.7	433.4	441.9	448.2	454.1
-87.5°	328.4	334.2	339.7	345.2	350.5	357.0	363.5	370.0	376.4	380.5	384.6
-90°	2.9	2.6	2.2	1.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5



REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	339.9	342.8	342.1	341.4	342.1	342.8	339.9	337.0	334.0	331.1	326.4
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
75°	3.3	2.9	2.9	2.9	2.9	2.9	3.3	3.6	3.9	4.1	4.3
72.5°	10.2	10.1	10.2	10.3	10.2	10.1	10.2	10.3	10.2	10.1	10.1
70°	16.3	17.3	17.5	17.6	17.5	17.3	16.3	15.4	14.5	14.1	14.6
67.5°	12.1	11.9	11.1	10.3	11.1	11.9	12.1	12.3	12.5	13.1	14.5
65°	7.7	7.5	7.3	7.3	7.3	7.5	7.7	8.0	8.4	9.4	11.0
62.5°	5.6	5.9	5.9	5.9	5.9	5.9	5.6	5.4	5.3	5.8	6.7
60°	4.0	4.4	4.4	4.4	4.4	4.4	4.0	3.7	3.5	3.8	4.1
57.5°	3.8	4.3	4.4	4.4	4.4	4.3	3.8	3.4	2.9	4.1	4.8
55°	11.1	11.4	11.1	10.3	11.1	11.4	11.1	10.5	9.6	12.2	12.7
52.5°	53.4	49.2	42.9	35.2	42.9	49.2	53.4	54.3	53.2	54.4	47.4
50°	185.9	190.9	186.5	172.9	186.5	190.9	185.9	175.7	170.4	170.8	153.8
47.5°	383.0	387.2	373.8	342.8	373.8	387.2	383.0	368.5	365.6	369.8	359.8
45°	801.7	795.5	726.5	583.1	726.5	795.5	801.7	776.4	742.5	684.5	602.7
42.5°	1382.6	1444.2	1480.5	1481.2	1480.5	1444.2	1382.6	1309.2	1306.2	1257.4	1161.3
40°	1789.5	1717.2	1638.4	1626.2	1638.4	1717.2	1789.5	1804.2	1813.3	1874.1	1819.0
37.5°	2020.1	2035.3	2026.6	1856.2	2026.6	2035.3	2020.1	2032.4	2037.6	2047.8	2036.7
35°	2093.5	2207.9	2325.8	2350.0	2325.8	2207.9	2093.5	2060.1	2074.6	2081.4	2094.5
32.5°	2128.9	2168.2	2178.9	2183.0	2178.9	2168.2	2128.9	2102.9	2097.1	2114.1	2142.5
30°	2322.8	2348.4	2344.6	2339.7	2344.6	2348.4	2322.8	2279.6	2186.0	2182.0	2208.9
27.5°	2675.6	2718.0	2737.0	2749.9	2737.0	2718.0	2675.6	2632.4	2540.7	2438.0	2325.5
25°	3180.7	3245.6	3290.1	3309.6	3290.1	3245.6	3180.7	3099.9	2952.2	2799.2	2652.2
22.5°	5150.6	5600.0	6044.8	6274.9	6044.8	5600.0	5150.6	4273.5	3514.0	3248.0	3047.2
20°	12858.0	14800.0	15686.9	15945.8	15686.9	14800.0	12858.0	8622.3	6157.9	4139.9	3578.2
17.5°	29943.5	37304.9	42228.6	37914.5	42228.6	37304.9	29943.5	20873.6	14141.0	7516.9	4866.0
15°	61287.6	79931.3	90363.8	84493.4	90363.8	79931.3	61287.6	42071.2	28052.6	16934.0	8347.1
12.5°	110422.6	139519.0	159061.2	152616.8	159061.2	139519.0	110422.6	78264.7	45354.1	29514.3	16379.2
10°	173802.9	232311.1	271269.4	280900.3	271269.4	232311.1	173802.9	120388.9	79416.2	43988.2	24556.3
7.5°	252221.2	324662.4	381843.7	390693.9	381843.7	324662.4	252221.2	175139.8	109766.8	62128.4	33961.4
5°	328937.5	414445.0	473941.0	489386.6	473941.0	414445.0	328937.5	222456.2	138272.4	81527.0	41876.2
2.5°	376553.2	469621.1	541287.2	572854.5	541287.2	469621.1	376553.2	264445.5	162058.7	94379.1	48029.5
0°	393548.6	490746.2	568504.0	613785.5	568504.0	490746.2	393548.6	285105.0	172236.2	100491.9	51740.3
-2.5°	380371.8	468393.3	534034.7	565513.0	534034.7	468393.3	380371.8	271985.2	168834.6	97997.9	51612.4
-5°	323969.3	411425.1	464832.1	490473.7	464832.1	411425.1	323969.3	229218.1	148357.8	87690.3	47357.4
-7.5°	253153.2	323150.9	369268.9	392597.0	369268.9	323150.9	253153.2	177412.3	115829.6	70093.0	38989.9
-10°	177131.2	232665.2	263752.5	282787.3	263752.5	232665.2	177131.2	126255.4	83998.2	49917.4	28105.5
-12.5°	115250.2	147574.3	164985.3	177180.8	164985.3	147574.3	115250.2	83544.1	52913.4	34655.7	19621.8
-15°	69963.8	85717.2	95169.9	101095.5	95169.9	85717.2	69963.8	49166.3	34013.8	21022.0	10896.6
-17.5°	39049.6	45815.9	50607.0	53258.1	50607.0	45815.9	39049.6	27730.7	18715.2	10559.6	7221.0
-20°	19376.5	23656.9	26468.5	27648.7	26468.5	23656.9	19376.5	13023.7	9396.0	6639.9	5893.9



REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	8942.4	10085.8	10842.8	11203.4	10842.8	10085.8	8942.4	7264.2	6087.1	5731.5	5479.0
-25°	5966.4	6145.8	6277.6	6335.0	6277.6	6145.8	5966.4	5742.6	5512.3	5399.5	5310.2
-27.5°	5464.8	5559.9	5638.7	5669.8	5638.7	5559.9	5464.8	5378.9	5284.1	5361.7	5443.5
-30°	5353.1	5357.3	5379.6	5379.7	5379.6	5357.3	5353.1	5394.9	5449.4	5604.6	5804.1
-32.5°	5634.5	5572.7	5545.8	5574.6	5545.8	5572.7	5634.5	5740.5	5880.5	6000.2	6085.5
-35°	6064.3	6047.6	6048.9	6080.0	6048.9	6047.6	6064.3	6103.7	6162.7	6219.4	6229.4
-37.5°	6287.3	6300.3	6315.1	6318.8	6315.1	6300.3	6287.3	6284.4	6295.3	6311.7	6221.2
-40°	6349.1	6374.8	6394.1	6400.9	6394.1	6374.8	6349.1	6320.7	6271.8	6199.3	5991.1
-42.5°	6272.4	6323.4	6350.5	6356.9	6350.5	6323.4	6272.4	6197.0	6026.1	5780.6	5347.2
-45°	5838.8	6066.2	6194.8	6229.5	6194.8	6066.2	5838.8	5525.4	5093.9	4596.2	4055.7
-47.5°	4410.6	4767.5	5015.9	5130.7	5015.9	4767.5	4410.6	4012.0	3602.3	3194.0	2789.1
-50°	2785.4	2844.3	2888.2	2915.5	2888.2	2844.3	2785.4	2723.3	2664.1	2605.5	2538.3
-52.5°	2569.8	2591.4	2604.0	2609.3	2604.0	2591.4	2569.8	2545.5	2517.6	2481.2	2441.4
-55°	2480.9	2500.9	2509.7	2511.1	2509.7	2500.9	2480.9	2457.6	2430.3	2394.5	2357.4
-57.5°	2371.2	2401.7	2415.2	2417.4	2415.2	2401.7	2371.2	2334.8	2292.7	2243.2	2188.3
-60°	2150.9	2180.4	2194.9	2200.5	2194.9	2180.4	2150.9	2115.1	2072.8	2024.2	1970.2
-62.5°	1912.2	1944.3	1954.0	1952.9	1954.0	1944.3	1912.2	1874.2	1830.4	1782.6	1730.4
-65°	1647.6	1677.0	1685.4	1684.8	1685.4	1677.0	1647.6	1613.0	1573.5	1530.6	1484.4
-67.5°	1389.8	1415.8	1424.8	1427.0	1424.8	1415.8	1389.8	1359.9	1326.1	1290.0	1252.3
-70°	1150.7	1171.2	1176.3	1176.4	1176.3	1171.2	1150.7	1126.8	1099.7	1070.1	1039.1
-72.5°	943.7	961.4	964.4	964.0	964.4	961.4	943.7	924.0	902.3	879.2	855.4
-75°	790.1	804.1	804.6	802.9	804.6	804.1	790.1	775.0	759.1	742.2	724.2
-77.5°	688.1	698.5	700.7	701.8	700.7	698.5	688.1	677.0	665.2	652.5	637.5
-80°	615.6	625.5	625.3	624.1	625.3	625.5	615.6	605.1	594.1	582.5	569.9
-82.5°	539.8	548.3	548.4	547.9	548.4	548.3	539.8	530.9	521.7	512.2	501.8
-85°	459.8	465.3	465.0	464.4	465.0	465.3	459.8	454.1	448.2	441.9	433.4
-87.5°	388.5	392.4	392.6	392.6	392.6	392.4	388.5	384.6	380.5	376.4	370.0
-90°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	321.6	316.9	312.1	306.6	301.1	295.6	290.1	282.1	274.0	266.0	257.9
87.5°	2.2	2.5	2.8	2.8	2.8	2.8	2.9	3.3	3.7	4.0	4.4
85°	2.2	2.6	2.9	2.9	2.9	2.9	2.9	3.3	3.7	4.0	4.4
82.5°	2.8	2.8	2.9	3.2	3.4	3.5	3.6	3.7	3.9	4.1	4.4
80°	2.9	2.9	3.0	3.3	3.7	4.1	4.4	4.5	4.4	4.4	4.5
77.5°	2.9	2.9	3.0	3.4	3.7	4.1	4.5	4.9	5.1	5.2	5.2
75°	4.4	4.4	4.4	4.6	4.6	4.4	4.5	4.9	5.3	5.7	5.9
72.5°	9.9	9.5	9.3	9.2	9.0	9.1	8.7	8.0	7.3	6.4	6.1
70°	15.0	15.4	16.2	17.3	17.5	17.0	16.5	15.1	12.5	10.7	9.6
67.5°	15.7	16.9	18.9	21.2	22.5	23.3	25.1	26.0	24.9	22.2	17.0
65°	12.8	14.8	17.0	18.9	21.4	24.5	31.1	34.7	35.6	34.5	28.8
62.5°	8.0	9.7	11.7	14.0	16.6	21.1	29.6	36.6	42.5	44.3	38.1
60°	4.3	4.6	7.0	9.4	11.6	16.5	25.2	34.5	44.4	45.6	43.6
57.5°	4.8	5.5	7.7	8.9	9.0	14.9	22.6	30.0	39.1	44.4	44.6
55°	10.7	12.5	14.8	15.2	14.8	21.3	25.1	29.6	38.0	43.2	46.6
52.5°	34.7	44.3	44.7	32.8	35.3	43.3	37.8	40.4	47.6	54.4	54.9
50°	137.3	140.3	126.4	102.9	112.4	100.3	88.8	74.4	84.5	86.7	74.9
47.5°	340.3	312.6	278.6	251.8	245.5	242.0	210.3	171.3	182.7	146.9	129.4
45°	578.5	536.7	481.9	436.4	399.9	383.5	376.4	351.9	328.6	296.7	208.1
42.5°	1085.4	889.7	727.9	657.5	561.5	521.1	498.9	495.0	484.0	463.7	396.4
40°	1699.2	1682.3	1399.8	1019.9	844.9	678.5	621.7	597.2	597.0	593.4	556.7
37.5°	2021.4	1979.2	1902.4	1725.7	1321.3	1035.4	824.6	709.7	680.9	679.5	654.0
35°	2095.8	2086.0	2083.5	2003.6	1871.8	1591.1	1224.5	922.5	782.3	750.5	736.6
32.5°	2151.0	2169.4	2178.9	2162.2	2172.4	2163.9	1814.2	1345.9	934.6	840.0	806.2
30°	2230.7	2257.3	2269.6	2309.7	2389.8	2424.3	2422.3	1873.6	1303.7	934.6	881.6
27.5°	2334.7	2356.0	2382.4	2516.7	2585.8	2634.0	2663.6	2504.8	1713.0	1195.1	969.7
25°	2546.4	2479.2	2632.0	2770.2	2830.5	2857.0	2933.6	2862.2	2321.8	1501.1	1061.2
22.5°	2873.2	2781.0	2846.8	3072.3	3094.7	3111.8	3167.1	3184.1	2930.0	1943.3	1328.0
20°	3274.8	3103.4	3087.1	3205.3	3317.8	3337.4	3397.2	3424.9	3189.6	2483.8	1630.3
17.5°	3800.4	3457.5	3293.0	3330.6	3461.9	3528.7	3590.6	3609.5	3445.7	2970.4	1934.2
15°	4716.6	3867.3	3561.0	3489.8	3575.9	3689.6	3770.8	3831.2	3675.6	3286.0	2338.5
12.5°	7666.4	4335.4	3819.5	3602.9	3647.5	3806.6	3931.0	4005.6	3856.6	3497.4	2738.2
10°	11032.3	5548.8	4164.0	3819.6	3742.5	3881.2	4042.4	4092.6	3979.0	3671.8	3075.7
7.5°	16607.8	7125.9	4489.1	4029.3	3863.7	3944.4	4090.3	4152.7	4082.8	3809.4	3354.0
5°	20617.6	8410.8	4802.3	4236.9	3998.9	4043.9	4144.6	4214.7	4169.2	3916.1	3576.8
2.5°	23751.1	9608.9	5076.2	4419.0	4127.1	4158.4	4254.3	4279.2	4207.3	3929.6	3667.1
0°	25807.2	10154.4	5186.3	4509.5	4223.8	4248.7	4447.9	4346.9	4217.9	3913.2	3713.9
-2.5°	25598.6	9887.1	5234.9	4571.7	4316.9	4364.3	4601.6	4606.8	4314.9	3954.4	3750.1
-5°	24242.5	9877.2	5341.3	4669.0	4432.3	4497.7	4735.8	4766.9	4400.8	4010.5	3739.8
-7.5°	19608.2	8845.3	5355.4	4740.8	4552.4	4649.3	4855.2	4831.8	4502.7	4174.0	3784.6
-10°	13117.7	7037.8	5295.8	4816.9	4690.9	4823.0	4981.1	4894.1	4604.8	4326.8	3765.8
-12.5°	9695.3	5938.9	5215.3	4869.5	4851.2	5045.3	5124.9	4955.1	4714.9	4468.4	3675.9
-15°	6764.2	5665.1	5201.1	5029.2	5080.9	5243.3	5247.0	4994.1	4774.8	4562.9	3509.3
-17.5°	5905.5	5452.5	5192.3	5182.2	5340.1	5402.3	5272.4	5030.3	4798.3	4414.4	3200.9
-20°	5510.2	5303.2	5332.2	5444.6	5572.7	5566.2	5288.8	5056.3	4780.7	4008.7	2846.3



REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5333.7	5380.1	5509.1	5729.6	5765.1	5577.5	5313.9	5058.3	4721.1	3530.0	2478.6
-25°	5408.8	5585.4	5821.4	5913.9	5840.3	5571.8	5325.8	5007.8	4206.1	3056.1	2157.5
-27.5°	5654.1	5913.7	6068.1	6041.5	5823.3	5563.0	5275.0	4815.2	3611.2	2638.1	2142.3
-30°	5975.0	6110.9	6160.3	6052.9	5784.5	5512.3	5190.6	4112.3	3074.5	2290.0	2107.0
-32.5°	6177.0	6175.6	6125.0	5947.9	5715.2	5436.5	4499.5	3407.8	2521.4	2239.5	2082.1
-35°	6225.2	6100.6	5933.0	5770.6	5653.4	4746.4	3707.1	2764.1	2359.4	2187.9	2058.9
-37.5°	6077.1	5863.9	5666.5	5420.9	4722.6	3850.3	2881.7	2446.8	2278.4	2157.8	2039.6
-40°	5732.2	5501.2	4939.3	4342.1	3630.2	2814.1	2508.9	2342.2	2233.1	2128.5	2019.9
-42.5°	4861.9	4353.0	3811.8	3196.6	2657.2	2524.3	2393.7	2289.2	2189.7	2096.2	1943.7
-45°	3612.7	3156.7	2708.6	2604.7	2484.6	2403.2	2330.6	2242.2	2153.2	2007.5	1844.4
-47.5°	2663.4	2592.8	2511.4	2453.8	2391.9	2328.9	2272.2	2197.0	2045.6	1890.7	1722.8
-50°	2481.5	2448.9	2411.1	2370.3	2324.2	2272.0	2178.1	2061.5	1912.7	1755.0	1593.9
-52.5°	2398.4	2366.2	2334.9	2302.9	2226.9	2126.5	2020.7	1901.5	1763.1	1609.8	1455.4
-55°	2319.2	2262.5	2198.9	2129.7	2052.6	1951.4	1844.4	1728.0	1598.8	1454.4	1316.6
-57.5°	2128.3	2065.9	2001.6	1932.4	1858.5	1759.6	1650.4	1538.9	1426.6	1298.5	1175.9
-60°	1911.1	1849.4	1785.1	1713.7	1635.6	1546.2	1454.1	1355.0	1248.8	1151.1	1052.1
-62.5°	1672.8	1610.4	1551.0	1489.6	1425.7	1355.0	1269.7	1186.4	1101.5	1013.8	922.6
-65°	1433.8	1378.8	1327.9	1280.5	1230.5	1177.0	1103.4	1027.7	950.1	870.8	790.2
-67.5°	1211.4	1167.4	1126.8	1086.5	1043.1	996.1	932.4	864.5	803.4	744.0	681.2
-70°	1004.7	966.8	930.2	894.4	861.1	828.3	783.9	733.2	680.7	637.1	596.7
-72.5°	829.4	801.3	774.0	748.4	720.0	697.0	669.7	636.1	601.5	565.9	532.9
-75°	705.0	684.7	665.2	648.8	631.3	612.6	592.5	567.5	542.6	517.7	492.7
-77.5°	622.0	606.2	591.0	579.4	567.2	554.3	538.7	517.1	495.5	473.8	451.9
-80°	556.9	543.6	530.5	520.3	509.7	498.7	486.2	467.4	448.5	429.4	410.1
-82.5°	491.2	480.2	469.1	460.4	451.3	442.0	431.7	415.6	399.3	383.1	366.8
-85°	424.7	415.7	406.7	399.8	392.7	385.4	377.7	364.4	351.0	337.5	323.9
-87.5°	363.5	357.0	350.5	345.2	339.7	334.2	328.4	318.0	307.6	297.2	286.8
-90°	1.5	1.5	1.5	1.9	2.2	2.6	2.9	3.3	3.7	4.0	4.4



REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	248.4	238.9	229.3	219.8	207.0	194.2	181.3	168.5	155.0	141.4	127.9
87.5°	4.4	4.4	4.4	4.4	4.8	5.2	5.5	5.9	5.9	5.9	5.9
85°	4.4	4.4	4.4	4.4	4.8	5.2	5.5	5.9	5.9	5.9	5.9
82.5°	4.4	4.4	4.4	4.4	4.8	5.2	5.6	5.9	6.0	5.9	5.9
80°	4.7	4.9	4.9	4.9	5.0	5.2	5.6	6.0	6.3	6.5	6.3
77.5°	5.2	5.4	5.6	5.8	5.9	5.9	6.0	6.2	6.7	7.0	7.0
75°	5.9	5.8	5.8	6.1	6.6	6.7	6.7	7.0	7.6	7.7	7.7
72.5°	6.3	6.3	6.2	6.4	7.2	7.6	7.6	7.9	8.8	9.1	8.7
70°	8.5	7.3	6.9	7.7	8.5	8.6	8.9	9.6	10.1	10.5	10.3
67.5°	12.4	11.0	9.5	9.7	10.4	10.8	10.4	11.6	12.5	12.1	11.9
65°	22.7	17.3	13.2	14.1	13.9	13.2	13.0	14.2	15.0	14.8	13.6
62.5°	31.9	25.8	21.7	20.2	19.0	17.8	16.2	18.0	18.1	17.7	16.1
60°	40.2	33.5	31.3	30.1	26.7	23.3	22.3	22.2	22.3	20.7	19.1
57.5°	42.5	40.0	42.5	41.3	37.4	31.7	30.0	29.3	26.8	24.9	22.4
55°	44.5	45.1	54.7	55.0	49.8	42.8	40.7	38.4	32.6	29.5	26.4
52.5°	51.6	58.7	68.7	70.6	65.1	57.3	56.1	48.4	42.5	34.4	31.9
50°	68.1	81.6	89.7	90.2	82.4	79.5	73.0	64.3	52.9	40.8	38.1
47.5°	115.1	126.5	119.5	115.2	105.8	105.5	97.0	81.9	64.1	51.1	44.6
45°	209.0	198.3	171.7	149.6	140.8	139.8	125.8	100.8	81.3	63.8	51.7
42.5°	323.4	300.4	260.0	188.9	189.5	180.0	157.6	128.8	99.4	77.1	61.6
40°	478.6	420.9	365.0	291.3	245.4	224.9	197.9	160.3	118.6	92.6	73.6
37.5°	620.5	548.7	486.6	392.7	314.5	281.4	242.0	193.9	143.4	111.9	85.8
35°	706.2	664.7	594.3	490.8	403.6	342.3	289.3	231.7	174.5	131.7	98.3
32.5°	780.0	755.2	683.4	584.6	487.6	407.5	343.7	271.1	205.0	151.8	110.9
30°	848.6	822.5	771.9	671.8	567.3	480.9	398.4	308.8	234.8	172.2	124.7
27.5°	920.5	890.1	855.1	752.9	644.0	549.7	444.8	344.8	263.9	194.5	141.4
25°	994.4	956.3	917.6	833.0	714.9	604.4	489.3	379.2	293.8	218.9	158.1
22.5°	1078.5	1020.0	979.8	912.1	779.2	659.6	533.8	417.1	323.0	242.5	174.5
20°	1161.8	1081.4	1039.6	976.1	843.1	714.9	579.5	452.9	350.5	265.0	190.6
17.5°	1273.4	1146.2	1087.1	1021.2	903.2	768.1	624.3	486.5	376.3	286.4	206.2
15°	1535.7	1216.1	1134.4	1064.9	957.8	819.0	667.7	517.8	400.3	306.7	220.7
12.5°	1810.3	1285.3	1181.7	1106.8	1007.1	867.2	709.4	546.6	422.5	325.2	233.2
10°	2087.1	1353.0	1228.4	1146.7	1051.3	912.5	748.8	576.4	446.8	342.0	244.8
7.5°	2355.6	1418.2	1273.9	1184.6	1090.9	951.7	786.0	611.0	470.5	357.6	255.2
5°	2585.5	1475.9	1319.7	1225.3	1127.4	983.6	818.5	643.5	492.8	371.9	264.6
2.5°	2696.6	1522.0	1363.9	1264.5	1160.5	1011.1	846.5	673.4	513.3	384.6	272.8
0°	2760.2	1561.8	1405.0	1301.0	1189.6	1034.3	870.2	700.3	531.8	395.6	279.8
-2.5°	2755.5	1599.5	1444.3	1339.4	1231.2	1065.9	889.6	715.3	546.0	408.5	289.4
-5°	2706.1	1631.9	1480.2	1375.0	1267.8	1092.5	904.9	726.9	557.8	419.5	297.7
-7.5°	2670.7	1668.8	1515.6	1408.6	1298.8	1113.3	915.9	735.1	567.1	428.3	304.7
-10°	2594.6	1705.2	1551.3	1439.8	1317.6	1127.1	923.2	739.9	573.8	435.0	310.2
-12.5°	2460.3	1734.0	1582.4	1467.1	1329.7	1134.9	931.6	744.9	578.4	439.3	314.3
-15°	2265.4	1754.5	1608.6	1490.0	1336.1	1137.5	935.1	747.8	582.5	441.8	316.8
-17.5°	2007.9	1766.3	1629.6	1508.4	1336.6	1135.0	933.5	746.6	583.7	442.6	318.6
-20°	1966.5	1781.0	1645.4	1521.9	1331.3	1127.5	926.7	741.2	582.0	441.1	319.5



REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1968.4	1799.7	1663.0	1514.3	1318.9	1115.0	914.6	731.7	577.2	437.1	318.7
-25°	1962.5	1812.4	1678.5	1506.1	1299.8	1097.3	898.9	717.9	569.3	430.8	316.0
-27.5°	1963.9	1820.6	1690.9	1490.6	1281.0	1073.5	879.9	706.2	558.9	422.0	311.5
-30°	1964.3	1829.4	1673.5	1466.4	1254.7	1046.9	856.1	691.3	546.8	413.8	305.2
-32.5°	1953.0	1835.3	1641.1	1430.7	1220.1	1014.4	829.2	672.7	531.8	405.1	301.8
-35°	1943.3	1800.2	1600.1	1386.5	1177.8	981.1	801.9	650.6	514.0	394.1	298.5
-37.5°	1925.3	1737.3	1543.2	1333.6	1128.2	942.1	775.5	627.8	493.4	380.8	293.9
-40°	1849.2	1662.7	1469.1	1272.0	1077.7	897.7	744.3	601.7	474.4	365.2	288.1
-42.5°	1764.3	1574.8	1386.8	1200.7	1023.1	857.9	708.7	571.5	453.7	354.0	281.0
-45°	1661.5	1479.0	1297.2	1128.2	964.5	813.2	670.3	538.3	430.3	344.3	274.8
-47.5°	1550.7	1374.8	1207.5	1050.0	908.5	763.8	627.0	508.8	404.5	333.1	270.8
-50°	1430.9	1269.2	1116.4	975.8	843.6	710.1	582.1	476.2	388.7	319.5	266.0
-52.5°	1307.9	1164.2	1028.0	900.1	774.5	651.3	542.0	442.3	371.0	309.7	260.3
-55°	1183.6	1063.5	941.0	819.5	701.1	598.3	498.6	419.6	351.3	301.2	254.0
-57.5°	1068.9	963.2	848.0	734.1	633.7	543.4	463.6	394.7	338.2	291.8	248.5
-60°	953.3	853.7	749.7	656.1	569.0	495.6	432.7	372.2	326.4	282.0	241.9
-62.5°	831.2	743.6	663.6	580.9	514.9	457.4	402.6	357.6	313.6	273.1	234.4
-65°	720.1	649.1	579.5	525.5	471.6	422.6	384.4	342.1	301.8	263.4	226.3
-67.5°	617.7	572.3	526.6	477.1	437.3	400.9	364.8	327.2	289.6	253.1	217.6
-70°	555.5	513.9	480.1	446.8	412.3	378.5	346.4	312.2	276.7	241.7	208.2
-72.5°	504.7	476.6	448.6	418.6	387.6	357.2	327.6	296.2	262.3	229.7	198.3
-75°	467.2	442.0	417.2	391.2	362.9	335.1	307.3	278.6	247.2	217.0	187.8
-77.5°	429.5	407.4	385.6	362.5	336.5	310.9	285.8	260.1	231.4	203.5	176.7
-80°	390.5	371.0	351.7	331.8	308.7	286.0	263.4	240.6	214.7	189.5	165.3
-82.5°	350.2	333.6	317.0	300.0	279.8	259.8	240.0	220.3	197.4	175.1	154.6
-85°	309.8	295.8	281.6	267.3	250.1	233.1	217.3	201.3	182.4	164.0	145.9
-87.5°	275.7	264.6	253.5	242.3	228.1	213.8	199.4	185.1	168.8	152.8	137.0
-90°	4.4	4.4	4.4	4.4	4.8	5.2	5.5	5.9	5.9	5.9	5.9



REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	114.3	95.2	76.2	57.1	38.1	23.4	8.8
87.5°	5.9	6.1	6.2	6.2	6.2	7.6	8.8
85°	5.9	6.2	6.4	6.5	6.4	7.9	8.8
82.5°	5.9	6.4	6.7	6.8	6.7	8.1	8.8
80°	6.1	6.6	6.9	7.0	7.0	8.4	8.8
77.5°	6.9	7.0	7.2	7.3	7.3	8.7	8.8
75°	7.8	8.1	7.6	7.6	7.6	8.9	8.8
72.5°	8.7	9.1	8.7	7.9	7.9	9.2	8.8
70°	9.8	10.2	9.8	8.4	8.3	9.5	8.8
67.5°	11.7	11.3	10.9	9.4	8.7	9.8	8.8
65°	13.7	13.0	12.0	10.3	9.1	10.1	8.8
62.5°	15.9	15.1	13.1	11.3	9.5	10.4	8.8
60°	18.2	17.3	14.3	12.3	10.0	10.7	8.8
57.5°	21.7	19.7	16.3	13.3	11.0	11.0	8.8
55°	25.7	22.1	18.4	14.3	12.0	11.3	8.8
52.5°	29.8	24.8	20.6	15.3	13.0	11.6	8.8
50°	34.2	28.6	22.8	16.3	14.1	11.9	8.8
47.5°	39.0	32.6	25.0	17.5	15.3	12.2	8.8
45°	45.2	36.7	27.2	19.2	16.4	12.5	8.8
42.5°	51.6	40.9	29.5	20.9	17.6	12.8	8.8
40°	58.3	45.3	32.3	23.1	18.8	13.2	8.8
37.5°	65.3	49.7	35.7	25.7	20.1	13.5	8.8
35°	72.4	54.9	39.0	28.4	21.3	13.8	8.8
32.5°	80.6	60.6	42.4	31.1	22.6	14.1	8.8
30°	90.9	66.3	45.7	33.8	23.9	14.4	8.8
27.5°	101.1	72.0	50.5	36.5	25.2	14.7	8.8
25°	111.3	77.7	55.3	39.3	26.5	15.0	8.8
22.5°	121.2	83.7	60.2	42.0	27.8	15.3	8.8
20°	131.0	90.7	64.9	44.8	29.1	15.6	8.8
17.5°	140.8	97.4	69.6	47.5	30.3	15.9	8.8
15°	150.3	103.9	74.2	50.2	31.6	16.2	8.8
12.5°	159.2	110.1	78.6	52.8	32.8	16.5	8.8
10°	167.6	116.0	82.9	55.3	34.0	16.7	8.8
7.5°	175.4	121.5	87.1	57.8	35.1	17.0	8.8
5°	182.5	126.8	91.0	60.2	36.2	17.2	8.8
2.5°	189.1	131.7	94.7	62.4	37.2	17.4	8.8
0°	194.9	136.3	98.2	64.5	38.1	17.6	8.8
-2.5°	201.8	142.0	102.6	67.9	40.2	18.5	8.8
-5°	208.0	147.2	106.7	71.1	42.2	19.3	8.8
-7.5°	213.5	152.1	110.5	74.2	44.0	20.1	8.8
-10°	218.2	156.5	114.1	77.0	45.8	20.9	8.8
-12.5°	222.2	160.6	117.4	79.7	47.5	21.6	8.8
-15°	225.4	164.2	120.4	82.2	49.1	22.4	8.8
-17.5°	227.8	167.3	123.2	84.4	50.5	23.1	8.8
-20°	229.9	169.9	125.6	86.5	51.8	23.7	8.8



REPORT NUMBER: P1306304 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	231.8	172.1	127.7	88.3	53.0	24.3	8.8
-25°	232.8	174.3	129.6	89.8	54.0	24.9	8.8
-27.5°	232.8	176.0	131.1	91.1	54.9	25.5	8.8
-30°	231.7	177.2	132.4	92.2	55.6	26.0	8.8
-32.5°	229.7	177.8	133.5	93.0	56.2	26.4	8.8
-35°	229.0	177.9	134.1	93.6	56.6	26.8	8.8
-37.5°	228.5	177.8	134.4	93.9	56.8	27.2	8.8
-40°	227.3	177.8	134.4	93.9	56.9	27.5	8.8
-42.5°	225.4	177.2	134.0	93.6	56.9	27.7	8.8
-45°	222.8	176.2	133.3	93.1	56.6	27.9	8.8
-47.5°	219.4	174.6	132.2	92.3	56.2	28.1	8.8
-50°	216.6	172.5	130.7	91.4	55.6	28.2	8.8
-52.5°	213.4	170.0	128.9	90.2	54.9	28.2	8.8
-55°	209.6	167.0	126.7	88.8	54.0	28.2	8.8
-57.5°	205.1	163.6	124.1	87.1	53.0	28.2	8.8
-60°	200.1	159.7	121.2	85.2	51.8	28.1	8.8
-62.5°	194.6	155.4	118.1	83.1	51.3	27.9	8.8
-65°	188.4	150.6	114.7	80.7	50.6	27.8	8.8
-67.5°	181.8	145.5	110.9	78.1	49.8	27.5	8.8
-70°	174.7	139.9	106.8	75.3	48.9	27.2	8.8
-72.5°	167.0	134.0	102.4	73.3	47.9	26.9	8.8
-75°	158.9	127.8	97.8	71.5	46.8	26.5	8.8
-77.5°	150.4	121.1	94.4	69.4	45.5	26.1	8.8
-80°	141.4	115.8	91.1	67.3	44.2	25.6	8.8
-82.5°	134.8	111.0	87.7	64.9	42.8	25.1	8.8
-85°	128.2	105.9	84.0	62.5	41.3	24.6	8.8
-87.5°	121.4	100.7	80.2	59.9	39.7	24.0	8.8
-90°	5.9	5.9	5.9	5.9	5.9	7.4	8.8

(END OF REPORT)