

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: P700006 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-80-4R-S**

Issue Date: 8/10/2023

Test Information

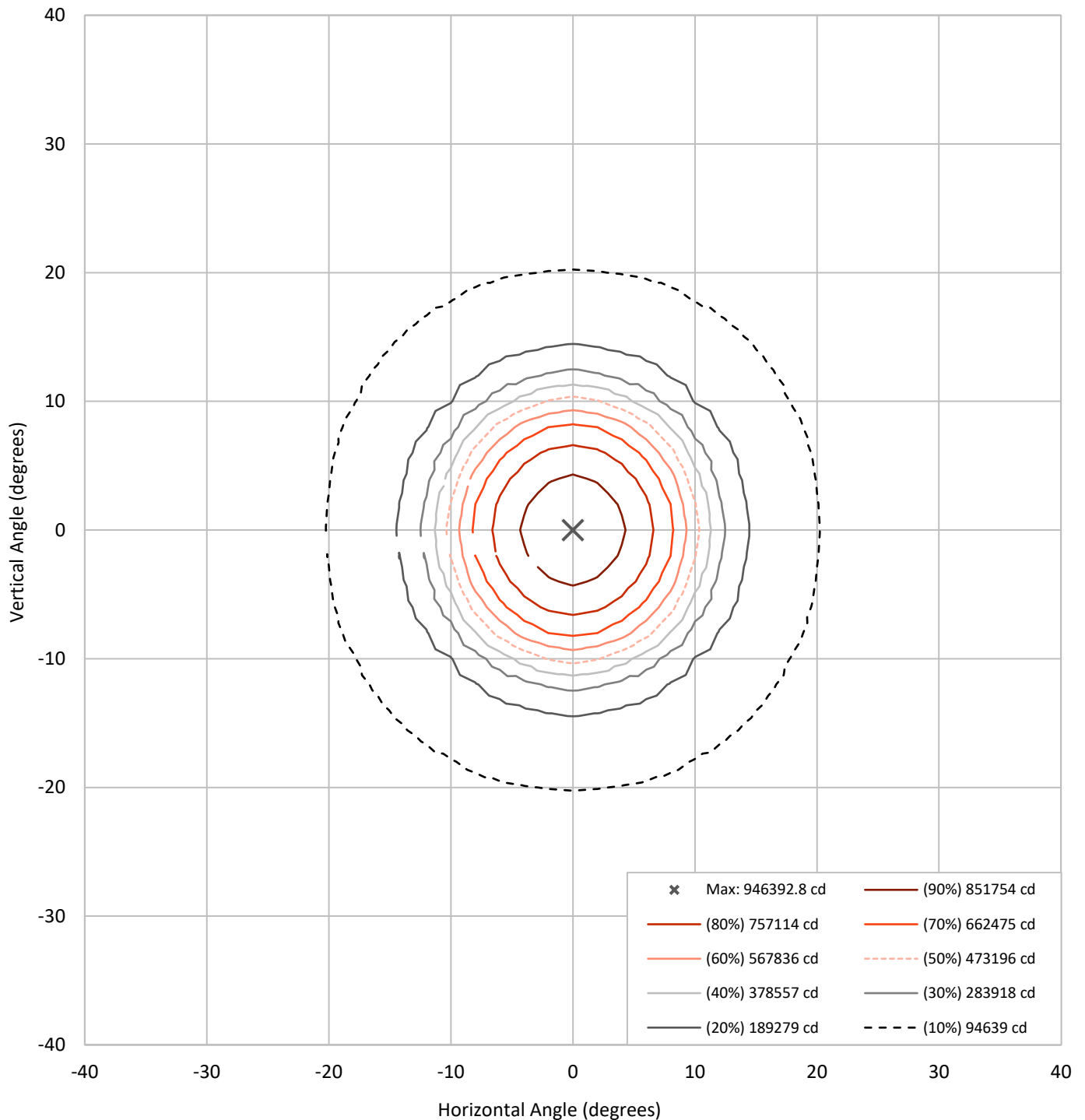
Test Method: LM-79-08
Report Number: P700006 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-17)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-80-4R-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 CRI LEDS AND 4R BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	184158.8 lumens	Max Intensity:	946392.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	148.0 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	20.7°H x 20.7°V	Field Angle (10%):	40.5°H x 40.5°V
Beam Lumens:	70698.5 lumens	Field Lumens:	124785.7 lumens
Beam Efficiency:	38.4%	Field Efficiency:	67.8%
Input Watts (W):	1244.6		
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		

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Iso-Candela Plot





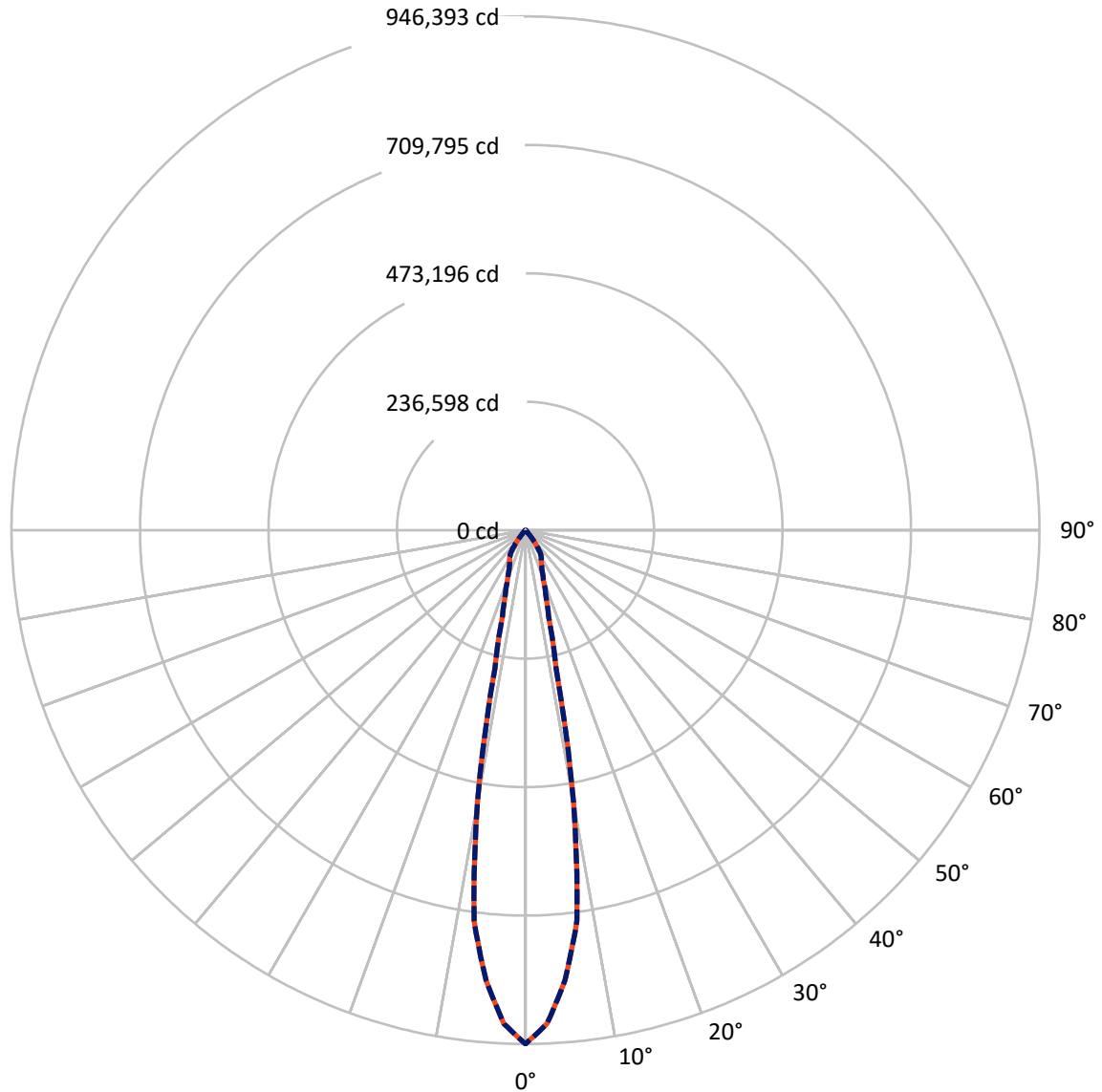
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Lumen Table

90	0.3	1.4	3.1	4.9	5.6	4.9	3.1	1.4	0.3							
80	0.3	1.4	3.1	4.9	5.6	4.9	3.1	1.4	0.3							
70	0.6	0.6	1.1	1.9	2.9	4.1	5.3	6.0	6.0	5.3	4.1	2.9	1.9	1.1	0.6	0.6
60		0.8	1.8	3.7	7.2	12.2	16.7	19.2	19.2	16.7	12.2	7.2	3.7	1.8	0.8	
50	0.9	1.1	3.1	8.0	16.8	30.7	70.5	118.1	118.1	70.5	30.7	16.8	8.0	3.1	1.1	0.9
40		1.5	5.1	14.5	44.9	266.8	755.7	1105.3	1105.3	755.7	266.8	44.9	14.5	5.1	1.5	
30	1.2	2.0	7.9	24.3	243.7	1076.0	1748.1	2113.4	2113.4	1748.1	1076.0	243.7	24.3	7.9	2.0	1.2
20		2.4	10.1	53.0	649.6	1642.7	2743.4	5277.9	5277.9	2743.4	1642.7	649.6	53.0	10.1	2.4	
10	1.3	2.6	11.2	86.7	919.8	1928.1	5139.2	19816.1	19816.1	5139.2	1928.1	919.8	86.7	11.2	2.6	1.3
0		2.6	11.2	86.7	919.8	1928.1	5139.2	19816.1	19816.1	5139.2	1928.1	919.8	86.7	11.2	2.6	
-10	1.2	2.4	10.1	53.0	649.6	1642.7	2743.4	5277.9	5277.9	2743.4	1642.7	649.6	53.0	10.1	2.4	1.2
-20		2.0	7.9	24.3	243.7	1076.0	1748.1	2113.4	2113.4	1748.1	1076.0	243.7	24.3	7.9	2.0	
-30	0.9	1.5	5.1	14.5	44.9	266.8	755.7	1105.3	1105.3	755.7	266.8	44.9	14.5	5.1	1.5	0.9
-40		1.1	3.1	8.0	16.8	30.7	70.5	118.1	118.1	70.5	30.7	16.8	8.0	3.1	1.1	
-50	0.6	0.8	1.8	3.7	7.2	12.2	16.7	19.2	19.2	16.7	12.2	7.2	3.7	1.8	0.8	0.6
-60		0.6	1.1	1.9	2.9	4.1	5.3	6.0	6.0	5.3	4.1	2.9	1.9	1.1	0.6	
-70	0.3	1.4	3.1	4.9	5.6	4.9	3.1	1.4	0.3							
-80		0.3	1.4	3.1	4.9	5.6	4.9	3.1	1.4	0.3						
-90	0.3	1.4	3.1	4.9	5.6	4.9	3.1	1.4	0.3							

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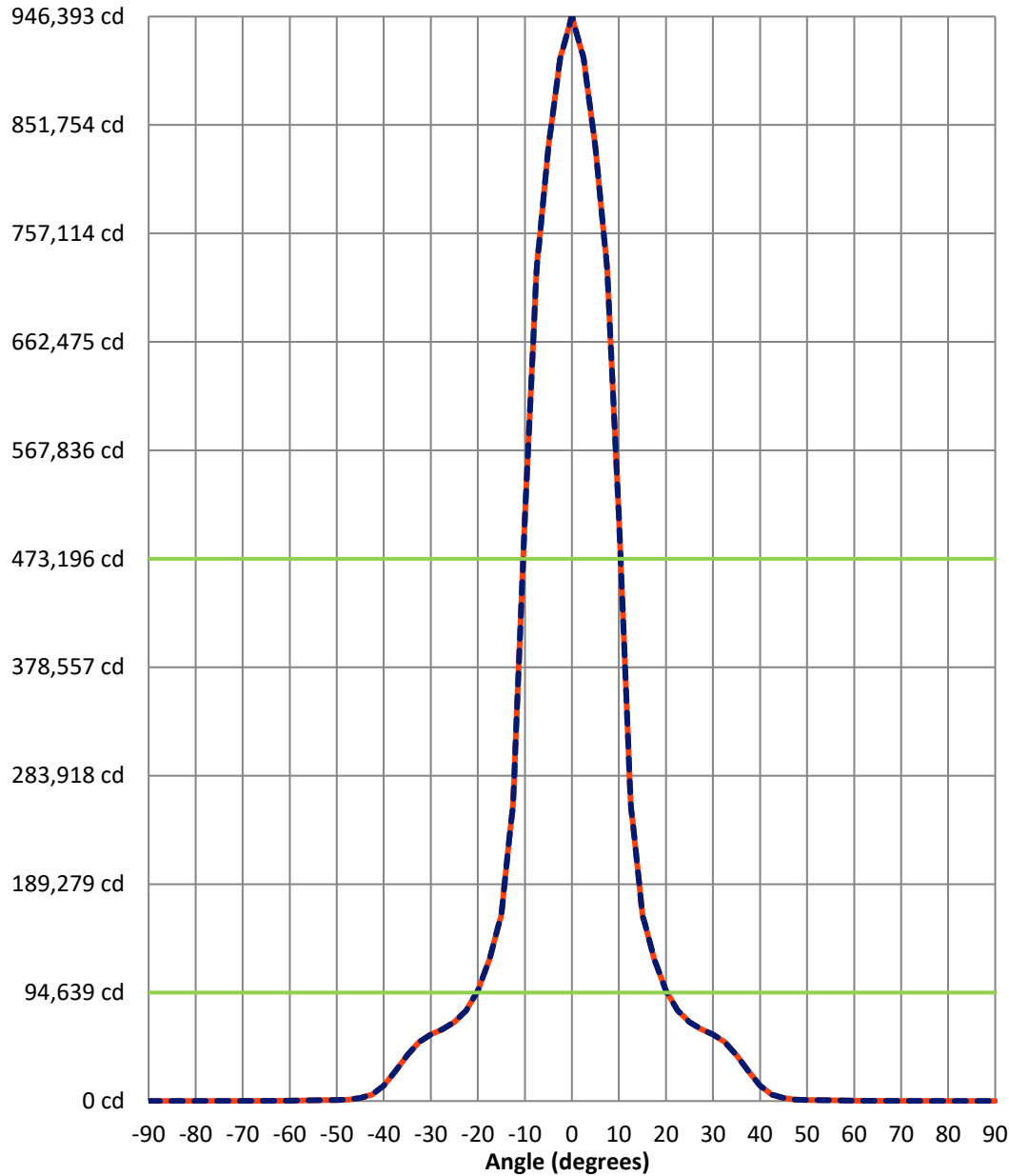
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 20.7°
 V Angle: 20.7°
 Lumens: 70698.5
 Efficiency: 38.4%

Field:
 H Angle: 40.5°
 V Angle: 40.5°
 Lumens: 124785.7
 Efficiency: 67.8%

Spill:
 Lumens: 59373.2
 Efficiency: 32.2%

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

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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.7	5.3	6.0	6.6
85°	0.0	1.4	2.7	4.1	5.4	6.7	8.1	9.4	10.7	11.9	13.2
82.5°	0.0	2.0	4.1	6.1	8.1	10.1	12.1	14.0	15.8	16.6	17.4
80°	0.0	2.7	5.4	8.1	10.8	13.4	15.8	16.9	18.1	19.2	20.2
77.5°	0.0	3.4	6.7	10.1	13.4	16.1	17.5	19.0	20.3	21.7	23.3
75°	0.0	4.0	8.1	12.1	15.8	17.5	19.2	20.9	22.7	24.8	26.9
72.5°	0.0	4.7	9.4	14.0	16.9	19.0	20.9	23.1	25.5	28.0	30.4
70°	0.0	5.3	10.7	15.8	18.1	20.3	22.7	25.5	28.4	31.2	34.6
67.5°	0.0	6.0	11.9	16.6	19.2	21.7	24.8	28.0	31.2	35.0	38.8
65°	0.0	6.6	13.2	17.4	20.2	23.3	26.9	30.4	34.6	38.8	43.2
62.5°	0.0	7.2	14.4	18.2	21.3	25.0	28.9	33.2	37.9	42.6	47.7
60°	0.0	7.8	15.6	19.0	22.3	26.6	30.9	36.0	41.1	46.6	52.1
57.5°	0.0	8.4	16.1	19.7	23.6	28.2	33.2	38.8	44.6	50.5	57.1
55°	0.0	8.9	16.6	20.5	24.9	29.8	35.5	41.5	47.9	54.5	62.4
52.5°	0.0	9.5	17.1	21.2	26.1	31.4	37.8	44.4	51.2	59.2	67.6
50°	0.0	10.0	17.5	21.9	27.3	33.2	40.0	47.2	54.7	63.7	73.4
47.5°	0.0	10.5	18.0	22.6	28.4	35.0	42.1	49.9	58.5	68.0	79.2
45°	0.0	11.0	18.4	23.4	29.5	36.7	44.4	52.5	62.2	73.0	84.8
42.5°	0.0	11.5	18.8	24.2	30.6	38.3	46.5	55.3	65.8	77.8	91.2
40°	0.0	11.9	19.2	25.0	31.7	39.8	48.5	58.3	69.4	82.4	97.5
37.5°	0.0	12.4	19.6	25.7	32.9	41.3	50.5	61.1	73.3	87.1	103.5
35°	0.0	12.8	19.9	26.4	34.0	42.8	52.3	63.8	77.0	92.2	109.6
32.5°	0.0	13.2	20.3	27.0	35.0	44.2	54.1	66.3	80.5	97.0	115.9
30°	0.0	13.5	20.6	27.6	36.0	45.6	56.1	68.8	83.7	101.5	121.8
27.5°	0.0	13.8	20.9	28.1	36.9	46.8	58.0	71.4	87.0	105.7	127.3
25°	0.0	14.1	21.1	28.6	37.8	47.9	59.7	73.8	90.4	110.0	132.7
22.5°	0.0	14.4	21.4	29.1	38.5	49.0	61.3	76.0	93.5	114.1	144.6
20°	0.0	14.7	21.6	29.5	39.2	49.9	62.7	78.0	96.3	117.8	155.3
17.5°	0.0	14.9	21.8	29.9	39.8	50.8	64.0	79.8	98.8	121.2	164.8
15°	0.0	15.1	21.9	30.2	40.3	51.5	65.0	81.3	100.9	124.1	173.1
12.5°	0.0	15.2	22.1	30.5	40.8	52.1	66.0	82.6	102.8	126.5	180.2
10°	0.0	15.4	22.2	30.7	41.1	52.6	66.7	83.7	104.3	128.6	186.0
7.5°	0.0	15.5	22.3	30.9	41.4	53.0	67.3	84.5	105.5	130.2	190.5
5°	0.0	15.5	22.3	31.0	41.6	53.3	67.8	85.1	106.3	131.3	193.8
2.5°	0.0	15.6	22.4	31.1	41.8	53.4	68.0	85.5	106.8	132.0	195.7
0°	0.0	15.6	22.4	31.1	41.8	53.4	68.0	85.5	106.8	132.0	195.7
-2.5°	0.0	15.6	22.4	31.1	41.8	53.4	68.0	85.5	106.8	132.0	195.7
-5°	0.0	15.5	22.3	31.0	41.6	53.3	67.8	85.1	106.3	131.3	193.8
-7.5°	0.0	15.5	22.3	30.9	41.4	53.0	67.3	84.5	105.5	130.2	190.5
-10°	0.0	15.4	22.2	30.7	41.1	52.6	66.7	83.7	104.3	128.6	186.0
-12.5°	0.0	15.2	22.1	30.5	40.8	52.1	66.0	82.6	102.8	126.5	180.2
-15°	0.0	15.1	21.9	30.2	40.3	51.5	65.0	81.3	100.9	124.1	173.1
-17.5°	0.0	14.9	21.8	29.9	39.8	50.8	64.0	79.8	98.8	121.2	164.8
-20°	0.0	14.7	21.6	29.5	39.2	49.9	62.7	78.0	96.3	117.8	155.3



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 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	14.4	21.4	29.1	38.5	49.0	61.3	76.0	93.5	114.1	144.6
-25°	0.0	14.1	21.1	28.6	37.8	47.9	59.7	73.8	90.4	110.0	132.7
-27.5°	0.0	13.8	20.9	28.1	36.9	46.8	58.0	71.4	87.0	105.7	127.3
-30°	0.0	13.5	20.6	27.6	36.0	45.6	56.1	68.8	83.7	101.5	121.8
-32.5°	0.0	13.2	20.3	27.0	35.0	44.2	54.1	66.3	80.5	97.0	115.9
-35°	0.0	12.8	19.9	26.4	34.0	42.8	52.3	63.8	77.0	92.2	109.6
-37.5°	0.0	12.4	19.6	25.7	32.9	41.3	50.5	61.1	73.3	87.1	103.5
-40°	0.0	11.9	19.2	25.0	31.7	39.8	48.5	58.3	69.4	82.4	97.5
-42.5°	0.0	11.5	18.8	24.2	30.6	38.3	46.5	55.3	65.8	77.8	91.2
-45°	0.0	11.0	18.4	23.4	29.5	36.7	44.4	52.5	62.2	73.0	84.8
-47.5°	0.0	10.5	18.0	22.6	28.4	35.0	42.1	49.9	58.5	68.0	79.2
-50°	0.0	10.0	17.5	21.9	27.3	33.2	40.0	47.2	54.7	63.7	73.4
-52.5°	0.0	9.5	17.1	21.2	26.1	31.4	37.8	44.4	51.2	59.2	67.6
-55°	0.0	8.9	16.6	20.5	24.9	29.8	35.5	41.5	47.9	54.5	62.4
-57.5°	0.0	8.4	16.1	19.7	23.6	28.2	33.2	38.8	44.6	50.5	57.1
-60°	0.0	7.8	15.6	19.0	22.3	26.6	30.9	36.0	41.1	46.6	52.1
-62.5°	0.0	7.2	14.4	18.2	21.3	25.0	28.9	33.2	37.9	42.6	47.7
-65°	0.0	6.6	13.2	17.4	20.2	23.3	26.9	30.4	34.6	38.8	43.2
-67.5°	0.0	6.0	11.9	16.6	19.2	21.7	24.8	28.0	31.2	35.0	38.8
-70°	0.0	5.3	10.7	15.8	18.1	20.3	22.7	25.5	28.4	31.2	34.6
-72.5°	0.0	4.7	9.4	14.0	16.9	19.0	20.9	23.1	25.5	28.0	30.4
-75°	0.0	4.0	8.1	12.1	15.8	17.5	19.2	20.9	22.7	24.8	26.9
-77.5°	0.0	3.4	6.7	10.1	13.4	16.1	17.5	19.0	20.3	21.7	23.3
-80°	0.0	2.7	5.4	8.1	10.8	13.4	15.8	16.9	18.1	19.2	20.2
-82.5°	0.0	2.0	4.1	6.1	8.1	10.1	12.1	14.0	15.8	16.6	17.4
-85°	0.0	1.4	2.7	4.1	5.4	6.7	8.1	9.4	10.7	11.9	13.2
-87.5°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.7	5.3	6.0	6.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P700006 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.2	7.8	8.4	8.9	9.5	10.0	10.5	11.0	11.5	11.9	12.4
85°	14.4	15.6	16.1	16.6	17.1	17.5	18.0	18.4	18.8	19.2	19.6
82.5°	18.2	19.0	19.7	20.5	21.2	21.9	22.6	23.4	24.2	25.0	25.7
80°	21.3	22.3	23.6	24.9	26.1	27.3	28.4	29.5	30.6	31.7	32.9
77.5°	25.0	26.6	28.2	29.8	31.4	33.2	35.0	36.7	38.3	39.8	41.3
75°	28.9	30.9	33.2	35.5	37.8	40.0	42.1	44.4	46.5	48.5	50.5
72.5°	33.2	36.0	38.8	41.5	44.4	47.2	49.9	52.5	55.3	58.3	61.1
70°	37.9	41.1	44.6	47.9	51.2	54.7	58.5	62.2	65.8	69.4	73.3
67.5°	42.6	46.6	50.5	54.5	59.2	63.7	68.0	73.0	77.8	82.4	87.1
65°	47.7	52.1	57.1	62.4	67.6	73.4	79.2	84.8	91.2	97.5	103.5
62.5°	52.6	58.5	64.4	70.6	77.4	84.0	91.4	98.9	106.2	114.2	122.0
60°	58.5	65.0	72.2	79.8	87.5	96.3	104.8	114.1	123.4	132.7	154.6
57.5°	64.4	72.2	80.6	89.4	99.2	109.1	119.9	130.5	153.7	178.6	201.3
55°	70.6	79.8	89.4	100.2	111.4	123.5	139.9	168.9	196.8	219.2	240.7
52.5°	77.4	87.5	99.2	111.4	124.7	146.0	178.0	207.0	232.1	260.6	299.8
50°	84.0	96.3	109.1	123.5	146.0	181.1	212.2	239.9	278.4	322.2	382.7
47.5°	91.4	104.8	119.9	139.9	178.0	212.2	242.5	287.4	335.8	415.2	495.1
45°	98.9	114.1	130.5	168.9	207.0	239.9	287.4	340.3	431.6	521.0	610.7
42.5°	106.2	123.4	153.7	196.8	232.1	278.4	335.8	431.6	529.7	628.5	709.7
40°	114.2	132.7	178.6	219.2	260.6	322.2	415.2	521.0	628.5	716.4	790.7
37.5°	122.0	154.6	201.3	240.7	299.8	382.7	495.1	610.7	709.7	790.7	851.3
35°	129.4	175.3	220.2	268.9	337.1	454.1	575.3	689.7	777.1	846.0	961.9
32.5°	143.0	194.9	238.0	301.6	397.6	523.0	652.1	750.1	830.2	922.6	1163.1
30°	159.7	210.5	258.2	332.5	456.9	590.5	710.2	804.3	876.7	1103.1	1763.7
27.5°	175.3	224.8	284.7	377.7	513.1	653.8	760.4	845.2	1004.4	1411.8	2549.6
25°	189.7	238.0	309.2	425.1	567.5	701.4	804.0	883.4	1153.5	2101.8	3840.3
22.5°	201.8	250.3	331.7	468.7	617.4	741.2	836.7	997.2	1488.9	2770.8	5186.2
20°	211.7	268.9	361.1	508.6	662.8	777.4	866.5	1114.1	2033.1	3919.1	7817.0
17.5°	220.5	285.4	393.3	545.7	694.5	806.1	904.6	1219.1	2522.9	4955.0	10851.3
15°	228.2	299.8	421.5	578.2	720.6	827.7	989.8	1575.1	3187.7	6320.4	13590.3
12.5°	234.8	312.1	445.5	606.0	742.9	846.1	1062.8	1917.2	3914.8	8460.7	17369.7
10°	240.2	322.2	465.3	628.9	761.3	861.4	1123.2	2200.5	4517.8	10239.0	20517.0
7.5°	244.4	330.1	480.8	646.8	775.7	873.3	1170.6	2423.0	4992.0	11639.9	23000.7
5°	247.5	335.8	491.9	659.7	786.1	881.9	1204.6	2583.2	5333.6	12650.2	24794.9
2.5°	249.3	339.2	498.6	667.4	792.3	887.1	1225.1	2679.7	5539.8	13260.4	25879.5
0°	249.9	340.3	500.8	670.0	794.4	888.8	1232.0	2712.0	5608.7	13464.5	26242.5
-2.5°	249.3	339.2	498.6	667.4	792.3	887.1	1225.1	2679.7	5539.8	13260.4	25879.5
-5°	247.5	335.8	491.9	659.7	786.1	881.9	1204.6	2583.2	5333.6	12650.2	24794.9
-7.5°	244.4	330.1	480.8	646.8	775.7	873.3	1170.6	2423.0	4992.0	11639.9	23000.7
-10°	240.2	322.2	465.3	628.9	761.3	861.4	1123.2	2200.5	4517.8	10239.0	20517.0
-12.5°	234.8	312.1	445.5	606.0	742.9	846.1	1062.8	1917.2	3914.8	8460.7	17369.7
-15°	228.2	299.8	421.5	578.2	720.6	827.7	989.8	1575.1	3187.7	6320.4	13590.3
-17.5°	220.5	285.4	393.3	545.7	694.5	806.1	904.6	1219.1	2522.9	4955.0	10851.3
-20°	211.7	268.9	361.1	508.6	662.8	777.4	866.5	1114.1	2033.1	3919.1	7817.0



REPORT NUMBER: P700006 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	201.8	250.3	331.7	468.7	617.4	741.2	836.7	997.2	1488.9	2770.8	5186.2
-25°	189.7	238.0	309.2	425.1	567.5	701.4	804.0	883.4	1153.5	2101.8	3840.3
-27.5°	175.3	224.8	284.7	377.7	513.1	653.8	760.4	845.2	1004.4	1411.8	2549.6
-30°	159.7	210.5	258.2	332.5	456.9	590.5	710.2	804.3	876.7	1103.1	1763.7
-32.5°	143.0	194.9	238.0	301.6	397.6	523.0	652.1	750.1	830.2	922.6	1163.1
-35°	129.4	175.3	220.2	268.9	337.1	454.1	575.3	689.7	777.1	846.0	961.9
-37.5°	122.0	154.6	201.3	240.7	299.8	382.7	495.1	610.7	709.7	790.7	851.3
-40°	114.2	132.7	178.6	219.2	260.6	322.2	415.2	521.0	628.5	716.4	790.7
-42.5°	106.2	123.4	153.7	196.8	232.1	278.4	335.8	431.6	529.7	628.5	709.7
-45°	98.9	114.1	130.5	168.9	207.0	239.9	287.4	340.3	431.6	521.0	610.7
-47.5°	91.4	104.8	119.9	139.9	178.0	212.2	242.5	287.4	335.8	415.2	495.1
-50°	84.0	96.3	109.1	123.5	146.0	181.1	212.2	239.9	278.4	322.2	382.7
-52.5°	77.4	87.5	99.2	111.4	124.7	146.0	178.0	207.0	232.1	260.6	299.8
-55°	70.6	79.8	89.4	100.2	111.4	123.5	139.9	168.9	196.8	219.2	240.7
-57.5°	64.4	72.2	80.6	89.4	99.2	109.1	119.9	130.5	153.7	178.6	201.3
-60°	58.5	65.0	72.2	79.8	87.5	96.3	104.8	114.1	123.4	132.7	154.6
-62.5°	52.6	58.5	64.4	70.6	77.4	84.0	91.4	98.9	106.2	114.2	122.0
-65°	47.7	52.1	57.1	62.4	67.6	73.4	79.2	84.8	91.2	97.5	103.5
-67.5°	42.6	46.6	50.5	54.5	59.2	63.7	68.0	73.0	77.8	82.4	87.1
-70°	37.9	41.1	44.6	47.9	51.2	54.7	58.5	62.2	65.8	69.4	73.3
-72.5°	33.2	36.0	38.8	41.5	44.4	47.2	49.9	52.5	55.3	58.3	61.1
-75°	28.9	30.9	33.2	35.5	37.8	40.0	42.1	44.4	46.5	48.5	50.5
-77.5°	25.0	26.6	28.2	29.8	31.4	33.2	35.0	36.7	38.3	39.8	41.3
-80°	21.3	22.3	23.6	24.9	26.1	27.3	28.4	29.5	30.6	31.7	32.9
-82.5°	18.2	19.0	19.7	20.5	21.2	21.9	22.6	23.4	24.2	25.0	25.7
-85°	14.4	15.6	16.1	16.6	17.1	17.5	18.0	18.4	18.8	19.2	19.6
-87.5°	7.2	7.8	8.4	8.9	9.5	10.0	10.5	11.0	11.5	11.9	12.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P700006 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.8	13.2	13.5	13.8	14.1	14.4	14.7	14.9	15.1	15.2	15.4
85°	19.9	20.3	20.6	20.9	21.1	21.4	21.6	21.8	21.9	22.1	22.2
82.5°	26.4	27.0	27.6	28.1	28.6	29.1	29.5	29.9	30.2	30.5	30.7
80°	34.0	35.0	36.0	36.9	37.8	38.5	39.2	39.8	40.3	40.8	41.1
77.5°	42.8	44.2	45.6	46.8	47.9	49.0	49.9	50.8	51.5	52.1	52.6
75°	52.3	54.1	56.1	58.0	59.7	61.3	62.7	64.0	65.0	66.0	66.7
72.5°	63.8	66.3	68.8	71.4	73.8	76.0	78.0	79.8	81.3	82.6	83.7
70°	77.0	80.5	83.7	87.0	90.4	93.5	96.3	98.8	100.9	102.8	104.3
67.5°	92.2	97.0	101.5	105.7	110.0	114.1	117.8	121.2	124.1	126.5	128.6
65°	109.6	115.9	121.8	127.3	132.7	144.6	155.3	164.8	173.1	180.2	186.0
62.5°	129.4	143.0	159.7	175.3	189.7	201.8	211.7	220.5	228.2	234.8	240.2
60°	175.3	194.9	210.5	224.8	238.0	250.3	268.9	285.4	299.8	312.1	322.2
57.5°	220.2	238.0	258.2	284.7	309.2	331.7	361.1	393.3	421.5	445.5	465.3
55°	268.9	301.6	332.5	377.7	425.1	468.7	508.6	545.7	578.2	606.0	628.9
52.5°	337.1	397.6	456.9	513.1	567.5	617.4	662.8	694.5	720.6	742.9	761.3
50°	454.1	523.0	590.5	653.8	701.4	741.2	777.4	806.1	827.7	846.1	861.4
47.5°	575.3	652.1	710.2	760.4	804.0	836.7	866.5	904.6	989.8	1062.8	1123.2
45°	689.7	750.1	804.3	845.2	883.4	997.2	1114.1	1219.1	1575.1	1917.2	2200.5
42.5°	777.1	830.2	876.7	1004.4	1153.5	1488.9	2033.1	2522.9	3187.7	3914.8	4517.8
40°	846.0	922.6	1103.1	1411.8	2101.8	2770.8	3919.1	4955.0	6320.4	8460.7	10239.0
37.5°	961.9	1163.1	1763.7	2549.6	3840.3	5186.2	7817.0	10851.3	13590.3	17369.7	20517.0
35°	1183.3	1941.6	2928.3	4568.0	6980.6	10896.3	15159.1	20488.2	25228.2	29577.4	33275.6
32.5°	1941.6	3107.7	4936.4	8518.0	12996.8	19529.8	25846.2	32022.3	37563.7	41980.8	45330.1
30°	2928.3	4936.4	9035.0	14436.6	22205.1	29771.3	37098.0	43160.3	48149.5	52069.1	54186.3
27.5°	4568.0	8518.0	14436.6	23106.1	31782.1	40183.0	46719.9	52199.8	55331.6	58078.6	59696.2
25°	6980.6	12996.8	22205.1	31782.1	41055.9	48534.2	53833.2	57587.4	60107.4	62196.0	64417.3
22.5°	10896.3	19529.8	29771.3	40183.0	48534.2	54385.5	58543.4	61363.4	64373.1	67461.7	70851.0
20°	15159.1	25846.2	37098.0	46719.9	53833.2	58543.4	61789.4	65582.5	69651.5	75148.9	80571.7
17.5°	20488.2	32022.3	43160.3	52199.8	57587.4	61363.4	65582.5	70702.3	77377.1	86660.0	95777.6
15°	25228.2	37563.7	48149.5	55331.6	60107.4	64373.1	69651.5	77377.1	88748.2	102592.4	118864.0
12.5°	29577.4	41980.8	52069.1	58078.6	62196.0	67461.7	75148.9	86660.0	102592.4	122816.0	148018.0
10°	33275.6	45330.1	54186.3	59696.2	64417.3	70851.0	80571.7	95777.6	118864.0	148018.0	185125.4
7.5°	36200.8	47986.7	55871.4	60986.1	66341.6	74316.3	87253.5	107466.7	135963.0	174190.7	262288.7
5°	38317.5	49913.3	57096.8	61927.4	67752.1	76871.0	92217.6	116484.3	150583.1	208943.3	374696.7
2.5°	39598.9	51081.4	57841.1	62500.6	68613.8	78438.3	95280.8	122094.4	159788.4	243863.7	472769.0
0°	40027.9	51472.8	58090.8	62693.1	68903.7	78966.8	96316.9	124000.5	162937.4	260703.2	508666.3
-2.5°	39598.9	51081.4	57841.1	62500.6	68613.8	78438.3	95280.8	122094.4	159788.4	243863.7	472769.0
-5°	38317.5	49913.3	57096.8	61927.4	67752.1	76871.0	92217.6	116484.3	150583.1	208943.3	374696.7
-7.5°	36200.8	47986.7	55871.4	60986.1	66341.6	74316.3	87253.5	107466.7	135963.0	174190.7	262288.7
-10°	33275.6	45330.1	54186.3	59696.2	64417.3	70851.0	80571.7	95777.6	118864.0	148018.0	185125.4
-12.5°	29577.4	41980.8	52069.1	58078.6	62196.0	67461.7	75148.9	86660.0	102592.4	122816.0	148018.0
-15°	25228.2	37563.7	48149.5	55331.6	60107.4	64373.1	69651.5	77377.1	88748.2	102592.4	118864.0
-17.5°	20488.2	32022.3	43160.3	52199.8	57587.4	61363.4	65582.5	70702.3	77377.1	86660.0	95777.6
-20°	15159.1	25846.2	37098.0	46719.9	53833.2	58543.4	61789.4	65582.5	69651.5	75148.9	80571.7



REPORT NUMBER: P700006 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10896.3	19529.8	29771.3	40183.0	48534.2	54385.5	58543.4	61363.4	64373.1	67461.7	70851.0
-25°	6980.6	12996.8	22205.1	31782.1	41055.9	48534.2	53833.2	57587.4	60107.4	62196.0	64417.3
-27.5°	4568.0	8518.0	14436.6	23106.1	31782.1	40183.0	46719.9	52199.8	55331.6	58078.6	59696.2
-30°	2928.3	4936.4	9035.0	14436.6	22205.1	29771.3	37098.0	43160.3	48149.5	52069.1	54186.3
-32.5°	1941.6	3107.7	4936.4	8518.0	12996.8	19529.8	25846.2	32022.3	37563.7	41980.8	45330.1
-35°	1183.3	1941.6	2928.3	4568.0	6980.6	10896.3	15159.1	20488.2	25228.2	29577.4	33275.6
-37.5°	961.9	1163.1	1763.7	2549.6	3840.3	5186.2	7817.0	10851.3	13590.3	17369.7	20517.0
-40°	846.0	922.6	1103.1	1411.8	2101.8	2770.8	3919.1	4955.0	6320.4	8460.7	10239.0
-42.5°	777.1	830.2	876.7	1004.4	1153.5	1488.9	2033.1	2522.9	3187.7	3914.8	4517.8
-45°	689.7	750.1	804.3	845.2	883.4	997.2	1114.1	1219.1	1575.1	1917.2	2200.5
-47.5°	575.3	652.1	710.2	760.4	804.0	836.7	866.5	904.6	989.8	1062.8	1123.2
-50°	454.1	523.0	590.5	653.8	701.4	741.2	777.4	806.1	827.7	846.1	861.4
-52.5°	337.1	397.6	456.9	513.1	567.5	617.4	662.8	694.5	720.6	742.9	761.3
-55°	268.9	301.6	332.5	377.7	425.1	468.7	508.6	545.7	578.2	606.0	628.9
-57.5°	220.2	238.0	258.2	284.7	309.2	331.7	361.1	393.3	421.5	445.5	465.3
-60°	175.3	194.9	210.5	224.8	238.0	250.3	268.9	285.4	299.8	312.1	322.2
-62.5°	129.4	143.0	159.7	175.3	189.7	201.8	211.7	220.5	228.2	234.8	240.2
-65°	109.6	115.9	121.8	127.3	132.7	144.6	155.3	164.8	173.1	180.2	186.0
-67.5°	92.2	97.0	101.5	105.7	110.0	114.1	117.8	121.2	124.1	126.5	128.6
-70°	77.0	80.5	83.7	87.0	90.4	93.5	96.3	98.8	100.9	102.8	104.3
-72.5°	63.8	66.3	68.8	71.4	73.8	76.0	78.0	79.8	81.3	82.6	83.7
-75°	52.3	54.1	56.1	58.0	59.7	61.3	62.7	64.0	65.0	66.0	66.7
-77.5°	42.8	44.2	45.6	46.8	47.9	49.0	49.9	50.8	51.5	52.1	52.6
-80°	34.0	35.0	36.0	36.9	37.8	38.5	39.2	39.8	40.3	40.8	41.1
-82.5°	26.4	27.0	27.6	28.1	28.6	29.1	29.5	29.9	30.2	30.5	30.7
-85°	19.9	20.3	20.6	20.9	21.1	21.4	21.6	21.8	21.9	22.1	22.2
-87.5°	12.8	13.2	13.5	13.8	14.1	14.4	14.7	14.9	15.1	15.2	15.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P700006 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.5	15.5	15.6	15.6	15.6	15.5	15.5	15.4	15.2	15.1	14.9
85°	22.3	22.3	22.4	22.4	22.4	22.3	22.3	22.2	22.1	21.9	21.8
82.5°	30.9	31.0	31.1	31.1	31.1	31.0	30.9	30.7	30.5	30.2	29.9
80°	41.4	41.6	41.8	41.8	41.8	41.6	41.4	41.1	40.8	40.3	39.8
77.5°	53.0	53.3	53.4	53.5	53.4	53.3	53.0	52.6	52.1	51.5	50.8
75°	67.3	67.8	68.0	68.1	68.0	67.8	67.3	66.7	66.0	65.0	64.0
72.5°	84.5	85.1	85.5	85.6	85.5	85.1	84.5	83.7	82.6	81.3	79.8
70°	105.5	106.3	106.8	107.0	106.8	106.3	105.5	104.3	102.8	100.9	98.8
67.5°	130.2	131.3	132.0	132.2	132.0	131.3	130.2	128.6	126.5	124.1	121.2
65°	190.5	193.8	195.7	196.4	195.7	193.8	190.5	186.0	180.2	173.1	164.8
62.5°	244.4	247.5	249.3	249.9	249.3	247.5	244.4	240.2	234.8	228.2	220.5
60°	330.1	335.8	339.2	340.3	339.2	335.8	330.1	322.2	312.1	299.8	285.4
57.5°	480.8	491.9	498.6	500.8	498.6	491.9	480.8	465.3	445.5	421.5	393.3
55°	646.8	659.7	667.4	670.0	667.4	659.7	646.8	628.9	606.0	578.2	545.7
52.5°	775.7	786.1	792.3	794.4	792.3	786.1	775.7	761.3	742.9	720.6	694.5
50°	873.3	881.9	887.1	888.8	887.1	881.9	873.3	861.4	846.1	827.7	806.1
47.5°	1170.6	1204.6	1225.1	1232.0	1225.1	1204.6	1170.6	1123.2	1062.8	989.8	904.6
45°	2423.0	2583.2	2679.7	2712.0	2679.7	2583.2	2423.0	2200.5	1917.2	1575.1	1219.1
42.5°	4992.0	5333.6	5539.8	5608.7	5539.8	5333.6	4992.0	4517.8	3914.8	3187.7	2522.9
40°	11639.9	12650.2	13260.4	13464.5	13260.4	12650.2	11639.9	10239.0	8460.7	6320.4	4955.0
37.5°	23000.7	24794.9	25879.5	26242.5	25879.5	24794.9	23000.7	20517.0	17369.7	13590.3	10851.3
35°	36200.8	38317.5	39598.9	40027.9	39598.9	38317.5	36200.8	33275.6	29577.4	25228.2	20488.2
32.5°	47986.7	49913.3	51081.4	51472.8	51081.4	49913.3	47986.7	45330.1	41980.8	37563.7	32022.3
30°	55871.4	57096.8	57841.1	58090.8	57841.1	57096.8	55871.4	54186.3	52069.1	48149.5	43160.3
27.5°	60986.1	61927.4	62500.6	62693.1	62500.6	61927.4	60986.1	59696.2	58078.6	55331.6	52199.8
25°	66341.6	67752.1	68613.8	68903.7	68613.8	67752.1	66341.6	64417.3	62196.0	60107.4	57587.4
22.5°	74316.3	76871.0	78438.3	78966.8	78438.3	76871.0	74316.3	70851.0	67461.7	64373.1	61363.4
20°	87253.5	92217.6	95280.8	96316.9	95280.8	92217.6	87253.5	80571.7	75148.9	69651.5	65582.5
17.5°	107466.7	116484.3	122094.4	124000.5	122094.4	116484.3	107466.7	95777.6	86660.0	77377.1	70702.3
15°	135963.0	150583.1	159788.4	162937.4	159788.4	150583.1	135963.0	118864.0	102592.4	88748.2	77377.1
12.5°	174190.7	208943.3	243863.7	260703.2	243863.7	208943.3	174190.7	148018.0	122816.0	102592.4	86660.0
10°	262288.7	374696.7	472769.0	508666.3	472769.0	374696.7	262288.7	185125.4	148018.0	118864.0	95777.6
7.5°	438986.2	621056.9	704051.7	725511.9	704051.7	621056.9	438986.2	262288.7	174190.7	135963.0	107466.7
5°	621056.9	748567.5	810169.7	832181.2	810169.7	748567.5	621056.9	374696.7	208943.3	150583.1	116484.3
2.5°	704051.7	810169.7	880409.4	909649.1	880409.4	810169.7	704051.7	472769.0	243863.7	159788.4	122094.4
0°	725511.9	832181.2	909649.1	946392.8	909649.1	832181.2	725511.9	508666.3	260703.2	162937.4	124000.5
-2.5°	704051.7	810169.7	880409.4	909649.1	880409.4	810169.7	704051.7	472769.0	243863.7	159788.4	122094.4
-5°	621056.9	748567.5	810169.7	832181.2	810169.7	748567.5	621056.9	374696.7	208943.3	150583.1	116484.3
-7.5°	438986.2	621056.9	704051.7	725511.9	704051.7	621056.9	438986.2	262288.7	174190.7	135963.0	107466.7
-10°	262288.7	374696.7	472769.0	508666.3	472769.0	374696.7	262288.7	185125.4	148018.0	118864.0	95777.6
-12.5°	174190.7	208943.3	243863.7	260703.2	243863.7	208943.3	174190.7	148018.0	122816.0	102592.4	86660.0
-15°	135963.0	150583.1	159788.4	162937.4	159788.4	150583.1	135963.0	118864.0	102592.4	88748.2	77377.1
-17.5°	107466.7	116484.3	122094.4	124000.5	122094.4	116484.3	107466.7	95777.6	86660.0	77377.1	70702.3
-20°	87253.5	92217.6	95280.8	96316.9	95280.8	92217.6	87253.5	80571.7	75148.9	69651.5	65582.5



REPORT NUMBER: P700006 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	74316.3	76871.0	78438.3	78966.8	78438.3	76871.0	74316.3	70851.0	67461.7	64373.1	61363.4
-25°	66341.6	67752.1	68613.8	68903.7	68613.8	67752.1	66341.6	64417.3	62196.0	60107.4	57587.4
-27.5°	60986.1	61927.4	62500.6	62693.1	62500.6	61927.4	60986.1	59696.2	58078.6	55331.6	52199.8
-30°	55871.4	57096.8	57841.1	58090.8	57841.1	57096.8	55871.4	54186.3	52069.1	48149.5	43160.3
-32.5°	47986.7	49913.3	51081.4	51472.8	51081.4	49913.3	47986.7	45330.1	41980.8	37563.7	32022.3
-35°	36200.8	38317.5	39598.9	40027.9	39598.9	38317.5	36200.8	33275.6	29577.4	25228.2	20488.2
-37.5°	23000.7	24794.9	25879.5	26242.5	25879.5	24794.9	23000.7	20517.0	17369.7	13590.3	10851.3
-40°	11639.9	12650.2	13260.4	13464.5	13260.4	12650.2	11639.9	10239.0	8460.7	6320.4	4955.0
-42.5°	4992.0	5333.6	5539.8	5608.7	5539.8	5333.6	4992.0	4517.8	3914.8	3187.7	2522.9
-45°	2423.0	2583.2	2679.7	2712.0	2679.7	2583.2	2423.0	2200.5	1917.2	1575.1	1219.1
-47.5°	1170.6	1204.6	1225.1	1232.0	1225.1	1204.6	1170.6	1123.2	1062.8	989.8	904.6
-50°	873.3	881.9	887.1	888.8	887.1	881.9	873.3	861.4	846.1	827.7	806.1
-52.5°	775.7	786.1	792.3	794.4	792.3	786.1	775.7	761.3	742.9	720.6	694.5
-55°	646.8	659.7	667.4	670.0	667.4	659.7	646.8	628.9	606.0	578.2	545.7
-57.5°	480.8	491.9	498.6	500.8	498.6	491.9	480.8	465.3	445.5	421.5	393.3
-60°	330.1	335.8	339.2	340.3	339.2	335.8	330.1	322.2	312.1	299.8	285.4
-62.5°	244.4	247.5	249.3	249.9	249.3	247.5	244.4	240.2	234.8	228.2	220.5
-65°	190.5	193.8	195.7	196.4	195.7	193.8	190.5	186.0	180.2	173.1	164.8
-67.5°	130.2	131.3	132.0	132.2	132.0	131.3	130.2	128.6	126.5	124.1	121.2
-70°	105.5	106.3	106.8	107.0	106.8	106.3	105.5	104.3	102.8	100.9	98.8
-72.5°	84.5	85.1	85.5	85.6	85.5	85.1	84.5	83.7	82.6	81.3	79.8
-75°	67.3	67.8	68.0	68.1	68.0	67.8	67.3	66.7	66.0	65.0	64.0
-77.5°	53.0	53.3	53.4	53.5	53.4	53.3	53.0	52.6	52.1	51.5	50.8
-80°	41.4	41.6	41.8	41.8	41.8	41.6	41.4	41.1	40.8	40.3	39.8
-82.5°	30.9	31.0	31.1	31.1	31.1	31.0	30.9	30.7	30.5	30.2	29.9
-85°	22.3	22.3	22.4	22.4	22.4	22.3	22.3	22.2	22.1	21.9	21.8
-87.5°	15.5	15.5	15.6	15.6	15.6	15.5	15.5	15.4	15.2	15.1	14.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P700006 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.7	14.4	14.1	13.8	13.5	13.2	12.8	12.4	11.9	11.5	11.0
85°	21.6	21.4	21.1	20.9	20.6	20.3	19.9	19.6	19.2	18.8	18.4
82.5°	29.5	29.1	28.6	28.1	27.6	27.0	26.4	25.7	25.0	24.2	23.4
80°	39.2	38.5	37.8	36.9	36.0	35.0	34.0	32.9	31.7	30.6	29.5
77.5°	49.9	49.0	47.9	46.8	45.6	44.2	42.8	41.3	39.8	38.3	36.7
75°	62.7	61.3	59.7	58.0	56.1	54.1	52.3	50.5	48.5	46.5	44.4
72.5°	78.0	76.0	73.8	71.4	68.8	66.3	63.8	61.1	58.3	55.3	52.5
70°	96.3	93.5	90.4	87.0	83.7	80.5	77.0	73.3	69.4	65.8	62.2
67.5°	117.8	114.1	110.0	105.7	101.5	97.0	92.2	87.1	82.4	77.8	73.0
65°	155.3	144.6	132.7	127.3	121.8	115.9	109.6	103.5	97.5	91.2	84.8
62.5°	211.7	201.8	189.7	175.3	159.7	143.0	129.4	122.0	114.2	106.2	98.9
60°	268.9	250.3	238.0	224.8	210.5	194.9	175.3	154.6	132.7	123.4	114.1
57.5°	361.1	331.7	309.2	284.7	258.2	238.0	220.2	201.3	178.6	153.7	130.5
55°	508.6	468.7	425.1	377.7	332.5	301.6	268.9	240.7	219.2	196.8	168.9
52.5°	662.8	617.4	567.5	513.1	456.9	397.6	337.1	299.8	260.6	232.1	207.0
50°	777.4	741.2	701.4	653.8	590.5	523.0	454.1	382.7	322.2	278.4	239.9
47.5°	866.5	836.7	804.0	760.4	710.2	652.1	575.3	495.1	415.2	335.8	287.4
45°	1114.1	997.2	883.4	845.2	804.3	750.1	689.7	610.7	521.0	431.6	340.3
42.5°	2033.1	1488.9	1153.5	1004.4	876.7	830.2	777.1	709.7	628.5	529.7	431.6
40°	3919.1	2770.8	2101.8	1411.8	1103.1	922.6	846.0	790.7	716.4	628.5	521.0
37.5°	7817.0	5186.2	3840.3	2549.6	1763.7	1163.1	961.9	851.3	790.7	709.7	610.7
35°	15159.1	10896.3	6980.6	4568.0	2928.3	1941.6	1183.3	961.9	846.0	777.1	689.7
32.5°	25846.2	19529.8	12996.8	8518.0	4936.4	3107.7	1941.6	1163.1	922.6	830.2	750.1
30°	37098.0	29771.3	22205.1	14436.6	9035.0	4936.4	2928.3	1763.7	1103.1	876.7	804.3
27.5°	46719.9	40183.0	31782.1	23106.1	14436.6	8518.0	4568.0	2549.6	1411.8	1004.4	845.2
25°	53833.2	48534.2	41055.9	31782.1	22205.1	12996.8	6980.6	3840.3	2101.8	1153.5	883.4
22.5°	58543.4	54385.5	48534.2	40183.0	29771.3	19529.8	10896.3	5186.2	2770.8	1488.9	997.2
20°	61789.4	58543.4	53833.2	46719.9	37098.0	25846.2	15159.1	7817.0	3919.1	2033.1	1114.1
17.5°	65582.5	61363.4	57587.4	52199.8	43160.3	32022.3	20488.2	10851.3	4955.0	2522.9	1219.1
15°	69651.5	64373.1	60107.4	55331.6	48149.5	37563.7	25228.2	13590.3	6320.4	3187.7	1575.1
12.5°	75148.9	67461.7	62196.0	58078.6	52069.1	41980.8	29577.4	17369.7	8460.7	3914.8	1917.2
10°	80571.7	70851.0	64417.3	59696.2	54186.3	45330.1	33275.6	20517.0	10239.0	4517.8	2200.5
7.5°	87253.5	74316.3	66341.6	60986.1	55871.4	47986.7	36200.8	23000.7	11639.9	4992.0	2423.0
5°	92217.6	76871.0	67752.1	61927.4	57096.8	49913.3	38317.5	24794.9	12650.2	5333.6	2583.2
2.5°	95280.8	78438.3	68613.8	62500.6	57841.1	51081.4	39598.9	25879.5	13260.4	5539.8	2679.7
0°	96316.9	78966.8	68903.7	62693.1	58090.8	51472.8	40027.9	26242.5	13464.5	5608.7	2712.0
-2.5°	95280.8	78438.3	68613.8	62500.6	57841.1	51081.4	39598.9	25879.5	13260.4	5539.8	2679.7
-5°	92217.6	76871.0	67752.1	61927.4	57096.8	49913.3	38317.5	24794.9	12650.2	5333.6	2583.2
-7.5°	87253.5	74316.3	66341.6	60986.1	55871.4	47986.7	36200.8	23000.7	11639.9	4992.0	2423.0
-10°	80571.7	70851.0	64417.3	59696.2	54186.3	45330.1	33275.6	20517.0	10239.0	4517.8	2200.5
-12.5°	75148.9	67461.7	62196.0	58078.6	52069.1	41980.8	29577.4	17369.7	8460.7	3914.8	1917.2
-15°	69651.5	64373.1	60107.4	55331.6	48149.5	37563.7	25228.2	13590.3	6320.4	3187.7	1575.1
-17.5°	65582.5	61363.4	57587.4	52199.8	43160.3	32022.3	20488.2	10851.3	4955.0	2522.9	1219.1
-20°	61789.4	58543.4	53833.2	46719.9	37098.0	25846.2	15159.1	7817.0	3919.1	2033.1	1114.1



REPORT NUMBER: P700006 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	58543.4	54385.5	48534.2	40183.0	29771.3	19529.8	10896.3	5186.2	2770.8	1488.9	997.2
-25°	53833.2	48534.2	41055.9	31782.1	22205.1	12996.8	6980.6	3840.3	2101.8	1153.5	883.4
-27.5°	46719.9	40183.0	31782.1	23106.1	14436.6	8518.0	4568.0	2549.6	1411.8	1004.4	845.2
-30°	37098.0	29771.3	22205.1	14436.6	9035.0	4936.4	2928.3	1763.7	1103.1	876.7	804.3
-32.5°	25846.2	19529.8	12996.8	8518.0	4936.4	3107.7	1941.6	1163.1	922.6	830.2	750.1
-35°	15159.1	10896.3	6980.6	4568.0	2928.3	1941.6	1183.3	961.9	846.0	777.1	689.7
-37.5°	7817.0	5186.2	3840.3	2549.6	1763.7	1163.1	961.9	851.3	790.7	709.7	610.7
-40°	3919.1	2770.8	2101.8	1411.8	1103.1	922.6	846.0	790.7	716.4	628.5	521.0
-42.5°	2033.1	1488.9	1153.5	1004.4	876.7	830.2	777.1	709.7	628.5	529.7	431.6
-45°	1114.1	997.2	883.4	845.2	804.3	750.1	689.7	610.7	521.0	431.6	340.3
-47.5°	866.5	836.7	804.0	760.4	710.2	652.1	575.3	495.1	415.2	335.8	287.4
-50°	777.4	741.2	701.4	653.8	590.5	523.0	454.1	382.7	322.2	278.4	239.9
-52.5°	662.8	617.4	567.5	513.1	456.9	397.6	337.1	299.8	260.6	232.1	207.0
-55°	508.6	468.7	425.1	377.7	332.5	301.6	268.9	240.7	219.2	196.8	168.9
-57.5°	361.1	331.7	309.2	284.7	258.2	238.0	220.2	201.3	178.6	153.7	130.5
-60°	268.9	250.3	238.0	224.8	210.5	194.9	175.3	154.6	132.7	123.4	114.1
-62.5°	211.7	201.8	189.7	175.3	159.7	143.0	129.4	122.0	114.2	106.2	98.9
-65°	155.3	144.6	132.7	127.3	121.8	115.9	109.6	103.5	97.5	91.2	84.8
-67.5°	117.8	114.1	110.0	105.7	101.5	97.0	92.2	87.1	82.4	77.8	73.0
-70°	96.3	93.5	90.4	87.0	83.7	80.5	77.0	73.3	69.4	65.8	62.2
-72.5°	78.0	76.0	73.8	71.4	68.8	66.3	63.8	61.1	58.3	55.3	52.5
-75°	62.7	61.3	59.7	58.0	56.1	54.1	52.3	50.5	48.5	46.5	44.4
-77.5°	49.9	49.0	47.9	46.8	45.6	44.2	42.8	41.3	39.8	38.3	36.7
-80°	39.2	38.5	37.8	36.9	36.0	35.0	34.0	32.9	31.7	30.6	29.5
-82.5°	29.5	29.1	28.6	28.1	27.6	27.0	26.4	25.7	25.0	24.2	23.4
-85°	21.6	21.4	21.1	20.9	20.6	20.3	19.9	19.6	19.2	18.8	18.4
-87.5°	14.7	14.4	14.1	13.8	13.5	13.2	12.8	12.4	11.9	11.5	11.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P700006 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.5	10.0	9.5	8.9	8.4	7.8	7.2	6.6	6.0	5.3	4.7
85°	18.0	17.5	17.1	16.6	16.1	15.6	14.4	13.2	11.9	10.7	9.4
82.5°	22.6	21.9	21.2	20.5	19.7	19.0	18.2	17.4	16.6	15.8	14.0
80°	28.4	27.3	26.1	24.9	23.6	22.3	21.3	20.2	19.2	18.1	16.9
77.5°	35.0	33.2	31.4	29.8	28.2	26.6	25.0	23.3	21.7	20.3	19.0
75°	42.1	40.0	37.8	35.5	33.2	30.9	28.9	26.9	24.8	22.7	20.9
72.5°	49.9	47.2	44.4	41.5	38.8	36.0	33.2	30.4	28.0	25.5	23.1
70°	58.5	54.7	51.2	47.9	44.6	41.1	37.9	34.6	31.2	28.4	25.5
67.5°	68.0	63.7	59.2	54.5	50.5	46.6	42.6	38.8	35.0	31.2	28.0
65°	79.2	73.4	67.6	62.4	57.1	52.1	47.7	43.2	38.8	34.6	30.4
62.5°	91.4	84.0	77.4	70.6	64.4	58.5	52.6	47.7	42.6	37.9	33.2
60°	104.8	96.3	87.5	79.8	72.2	65.0	58.5	52.1	46.6	41.1	36.0
57.5°	119.9	109.1	99.2	89.4	80.6	72.2	64.4	57.1	50.5	44.6	38.8
55°	139.9	123.5	111.4	100.2	89.4	79.8	70.6	62.4	54.5	47.9	41.5
52.5°	178.0	146.0	124.7	111.4	99.2	87.5	77.4	67.6	59.2	51.2	44.4
50°	212.2	181.1	146.0	123.5	109.1	96.3	84.0	73.4	63.7	54.7	47.2
47.5°	242.5	212.2	178.0	139.9	119.9	104.8	91.4	79.2	68.0	58.5	49.9
45°	287.4	239.9	207.0	168.9	130.5	114.1	98.9	84.8	73.0	62.2	52.5
42.5°	335.8	278.4	232.1	196.8	153.7	123.4	106.2	91.2	77.8	65.8	55.3
40°	415.2	322.2	260.6	219.2	178.6	132.7	114.2	97.5	82.4	69.4	58.3
37.5°	495.1	382.7	299.8	240.7	201.3	154.6	122.0	103.5	87.1	73.3	61.1
35°	575.3	454.1	337.1	268.9	220.2	175.3	129.4	109.6	92.2	77.0	63.8
32.5°	652.1	523.0	397.6	301.6	238.0	194.9	143.0	115.9	97.0	80.5	66.3
30°	710.2	590.5	456.9	332.5	258.2	210.5	159.7	121.8	101.5	83.7	68.8
27.5°	760.4	653.8	513.1	377.7	284.7	224.8	175.3	127.3	105.7	87.0	71.4
25°	804.0	701.4	567.5	425.1	309.2	238.0	189.7	132.7	110.0	90.4	73.8
22.5°	836.7	741.2	617.4	468.7	331.7	250.3	201.8	144.6	114.1	93.5	76.0
20°	866.5	777.4	662.8	508.6	361.1	268.9	211.7	155.3	117.8	96.3	78.0
17.5°	904.6	806.1	694.5	545.7	393.3	285.4	220.5	164.8	121.2	98.8	79.8
15°	989.8	827.7	720.6	578.2	421.5	299.8	228.2	173.1	124.1	100.9	81.3
12.5°	1062.8	846.1	742.9	606.0	445.5	312.1	234.8	180.2	126.5	102.8	82.6
10°	1123.2	861.4	761.3	628.9	465.3	322.2	240.2	186.0	128.6	104.3	83.7
7.5°	1170.6	873.3	775.7	646.8	480.8	330.1	244.4	190.5	130.2	105.5	84.5
5°	1204.6	881.9	786.1	659.7	491.9	335.8	247.5	193.8	131.3	106.3	85.1
2.5°	1225.1	887.1	792.3	667.4	498.6	339.2	249.3	195.7	132.0	106.8	85.5
0°	1232.0	888.8	794.4	670.0	500.8	340.3	249.9	196.4	132.2	107.0	85.6
-2.5°	1225.1	887.1	792.3	667.4	498.6	339.2	249.3	195.7	132.0	106.8	85.5
-5°	1204.6	881.9	786.1	659.7	491.9	335.8	247.5	193.8	131.3	106.3	85.1
-7.5°	1170.6	873.3	775.7	646.8	480.8	330.1	244.4	190.5	130.2	105.5	84.5
-10°	1123.2	861.4	761.3	628.9	465.3	322.2	240.2	186.0	128.6	104.3	83.7
-12.5°	1062.8	846.1	742.9	606.0	445.5	312.1	234.8	180.2	126.5	102.8	82.6
-15°	989.8	827.7	720.6	578.2	421.5	299.8	228.2	173.1	124.1	100.9	81.3
-17.5°	904.6	806.1	694.5	545.7	393.3	285.4	220.5	164.8	121.2	98.8	79.8
-20°	866.5	777.4	662.8	508.6	361.1	268.9	211.7	155.3	117.8	96.3	78.0



REPORT NUMBER: P700006 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	836.7	741.2	617.4	468.7	331.7	250.3	201.8	144.6	114.1	93.5	76.0
-25°	804.0	701.4	567.5	425.1	309.2	238.0	189.7	132.7	110.0	90.4	73.8
-27.5°	760.4	653.8	513.1	377.7	284.7	224.8	175.3	127.3	105.7	87.0	71.4
-30°	710.2	590.5	456.9	332.5	258.2	210.5	159.7	121.8	101.5	83.7	68.8
-32.5°	652.1	523.0	397.6	301.6	238.0	194.9	143.0	115.9	97.0	80.5	66.3
-35°	575.3	454.1	337.1	268.9	220.2	175.3	129.4	109.6	92.2	77.0	63.8
-37.5°	495.1	382.7	299.8	240.7	201.3	154.6	122.0	103.5	87.1	73.3	61.1
-40°	415.2	322.2	260.6	219.2	178.6	132.7	114.2	97.5	82.4	69.4	58.3
-42.5°	335.8	278.4	232.1	196.8	153.7	123.4	106.2	91.2	77.8	65.8	55.3
-45°	287.4	239.9	207.0	168.9	130.5	114.1	98.9	84.8	73.0	62.2	52.5
-47.5°	242.5	212.2	178.0	139.9	119.9	104.8	91.4	79.2	68.0	58.5	49.9
-50°	212.2	181.1	146.0	123.5	109.1	96.3	84.0	73.4	63.7	54.7	47.2
-52.5°	178.0	146.0	124.7	111.4	99.2	87.5	77.4	67.6	59.2	51.2	44.4
-55°	139.9	123.5	111.4	100.2	89.4	79.8	70.6	62.4	54.5	47.9	41.5
-57.5°	119.9	109.1	99.2	89.4	80.6	72.2	64.4	57.1	50.5	44.6	38.8
-60°	104.8	96.3	87.5	79.8	72.2	65.0	58.5	52.1	46.6	41.1	36.0
-62.5°	91.4	84.0	77.4	70.6	64.4	58.5	52.6	47.7	42.6	37.9	33.2
-65°	79.2	73.4	67.6	62.4	57.1	52.1	47.7	43.2	38.8	34.6	30.4
-67.5°	68.0	63.7	59.2	54.5	50.5	46.6	42.6	38.8	35.0	31.2	28.0
-70°	58.5	54.7	51.2	47.9	44.6	41.1	37.9	34.6	31.2	28.4	25.5
-72.5°	49.9	47.2	44.4	41.5	38.8	36.0	33.2	30.4	28.0	25.5	23.1
-75°	42.1	40.0	37.8	35.5	33.2	30.9	28.9	26.9	24.8	22.7	20.9
-77.5°	35.0	33.2	31.4	29.8	28.2	26.6	25.0	23.3	21.7	20.3	19.0
-80°	28.4	27.3	26.1	24.9	23.6	22.3	21.3	20.2	19.2	18.1	16.9
-82.5°	22.6	21.9	21.2	20.5	19.7	19.0	18.2	17.4	16.6	15.8	14.0
-85°	18.0	17.5	17.1	16.6	16.1	15.6	14.4	13.2	11.9	10.7	9.4
-87.5°	10.5	10.0	9.5	8.9	8.4	7.8	7.2	6.6	6.0	5.3	4.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P700006 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.0	3.4	2.7	2.0	1.4	0.7	0.0
85°	8.1	6.7	5.4	4.1	2.7	1.4	0.0
82.5°	12.1	10.1	8.1	6.1	4.1	2.0	0.0
80°	15.8	13.4	10.8	8.1	5.4	2.7	0.0
77.5°	17.5	16.1	13.4	10.1	6.7	3.4	0.0
75°	19.2	17.5	15.8	12.1	8.1	4.0	0.0
72.5°	20.9	19.0	16.9	14.0	9.4	4.7	0.0
70°	22.7	20.3	18.1	15.8	10.7	5.3	0.0
67.5°	24.8	21.7	19.2	16.6	11.9	6.0	0.0
65°	26.9	23.3	20.2	17.4	13.2	6.6	0.0
62.5°	28.9	25.0	21.3	18.2	14.4	7.2	0.0
60°	30.9	26.6	22.3	19.0	15.6	7.8	0.0
57.5°	33.2	28.2	23.6	19.7	16.1	8.4	0.0
55°	35.5	29.8	24.9	20.5	16.6	8.9	0.0
52.5°	37.8	31.4	26.1	21.2	17.1	9.5	0.0
50°	40.0	33.2	27.3	21.9	17.5	10.0	0.0
47.5°	42.1	35.0	28.4	22.6	18.0	10.5	0.0
45°	44.4	36.7	29.5	23.4	18.4	11.0	0.0
42.5°	46.5	38.3	30.6	24.2	18.8	11.5	0.0
40°	48.5	39.8	31.7	25.0	19.2	11.9	0.0
37.5°	50.5	41.3	32.9	25.7	19.6	12.4	0.0
35°	52.3	42.8	34.0	26.4	19.9	12.8	0.0
32.5°	54.1	44.2	35.0	27.0	20.3	13.2	0.0
30°	56.1	45.6	36.0	27.6	20.6	13.5	0.0
27.5°	58.0	46.8	36.9	28.1	20.9	13.8	0.0
25°	59.7	47.9	37.8	28.6	21.1	14.1	0.0
22.5°	61.3	49.0	38.5	29.1	21.4	14.4	0.0
20°	62.7	49.9	39.2	29.5	21.6	14.7	0.0
17.5°	64.0	50.8	39.8	29.9	21.8	14.9	0.0
15°	65.0	51.5	40.3	30.2	21.9	15.1	0.0
12.5°	66.0	52.1	40.8	30.5	22.1	15.2	0.0
10°	66.7	52.6	41.1	30.7	22.2	15.4	0.0
7.5°	67.3	53.0	41.4	30.9	22.3	15.5	0.0
5°	67.8	53.3	41.6	31.0	22.3	15.5	0.0
2.5°	68.0	53.4	41.8	31.1	22.4	15.6	0.0
0°	68.1	53.5	41.8	31.1	22.4	15.6	0.0
-2.5°	68.0	53.4	41.8	31.1	22.4	15.6	0.0
-5°	67.8	53.3	41.6	31.0	22.3	15.5	0.0
-7.5°	67.3	53.0	41.4	30.9	22.3	15.5	0.0
-10°	66.7	52.6	41.1	30.7	22.2	15.4	0.0
-12.5°	66.0	52.1	40.8	30.5	22.1	15.2	0.0
-15°	65.0	51.5	40.3	30.2	21.9	15.1	0.0
-17.5°	64.0	50.8	39.8	29.9	21.8	14.9	0.0
-20°	62.7	49.9	39.2	29.5	21.6	14.7	0.0



REPORT NUMBER: P700006 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-4R-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	61.3	49.0	38.5	29.1	21.4	14.4	0.0
-25°	59.7	47.9	37.8	28.6	21.1	14.1	0.0
-27.5°	58.0	46.8	36.9	28.1	20.9	13.8	0.0
-30°	56.1	45.6	36.0	27.6	20.6	13.5	0.0
-32.5°	54.1	44.2	35.0	27.0	20.3	13.2	0.0
-35°	52.3	42.8	34.0	26.4	19.9	12.8	0.0
-37.5°	50.5	41.3	32.9	25.7	19.6	12.4	0.0
-40°	48.5	39.8	31.7	25.0	19.2	11.9	0.0
-42.5°	46.5	38.3	30.6	24.2	18.8	11.5	0.0
-45°	44.4	36.7	29.5	23.4	18.4	11.0	0.0
-47.5°	42.1	35.0	28.4	22.6	18.0	10.5	0.0
-50°	40.0	33.2	27.3	21.9	17.5	10.0	0.0
-52.5°	37.8	31.4	26.1	21.2	17.1	9.5	0.0
-55°	35.5	29.8	24.9	20.5	16.6	8.9	0.0
-57.5°	33.2	28.2	23.6	19.7	16.1	8.4	0.0
-60°	30.9	26.6	22.3	19.0	15.6	7.8	0.0
-62.5°	28.9	25.0	21.3	18.2	14.4	7.2	0.0
-65°	26.9	23.3	20.2	17.4	13.2	6.6	0.0
-67.5°	24.8	21.7	19.2	16.6	11.9	6.0	0.0
-70°	22.7	20.3	18.1	15.8	10.7	5.3	0.0
-72.5°	20.9	19.0	16.9	14.0	9.4	4.7	0.0
-75°	19.2	17.5	15.8	12.1	8.1	4.0	0.0
-77.5°	17.5	16.1	13.4	10.1	6.7	3.4	0.0
-80°	15.8	13.4	10.8	8.1	5.4	2.7	0.0
-82.5°	12.1	10.1	8.1	6.1	4.1	2.0	0.0
-85°	8.1	6.7	5.4	4.1	2.7	1.4	0.0
-87.5°	4.0	3.4	2.7	2.0	1.4	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)