

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: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-40-80-5S-S**

Issue Date: 8/10/2023

Test Information

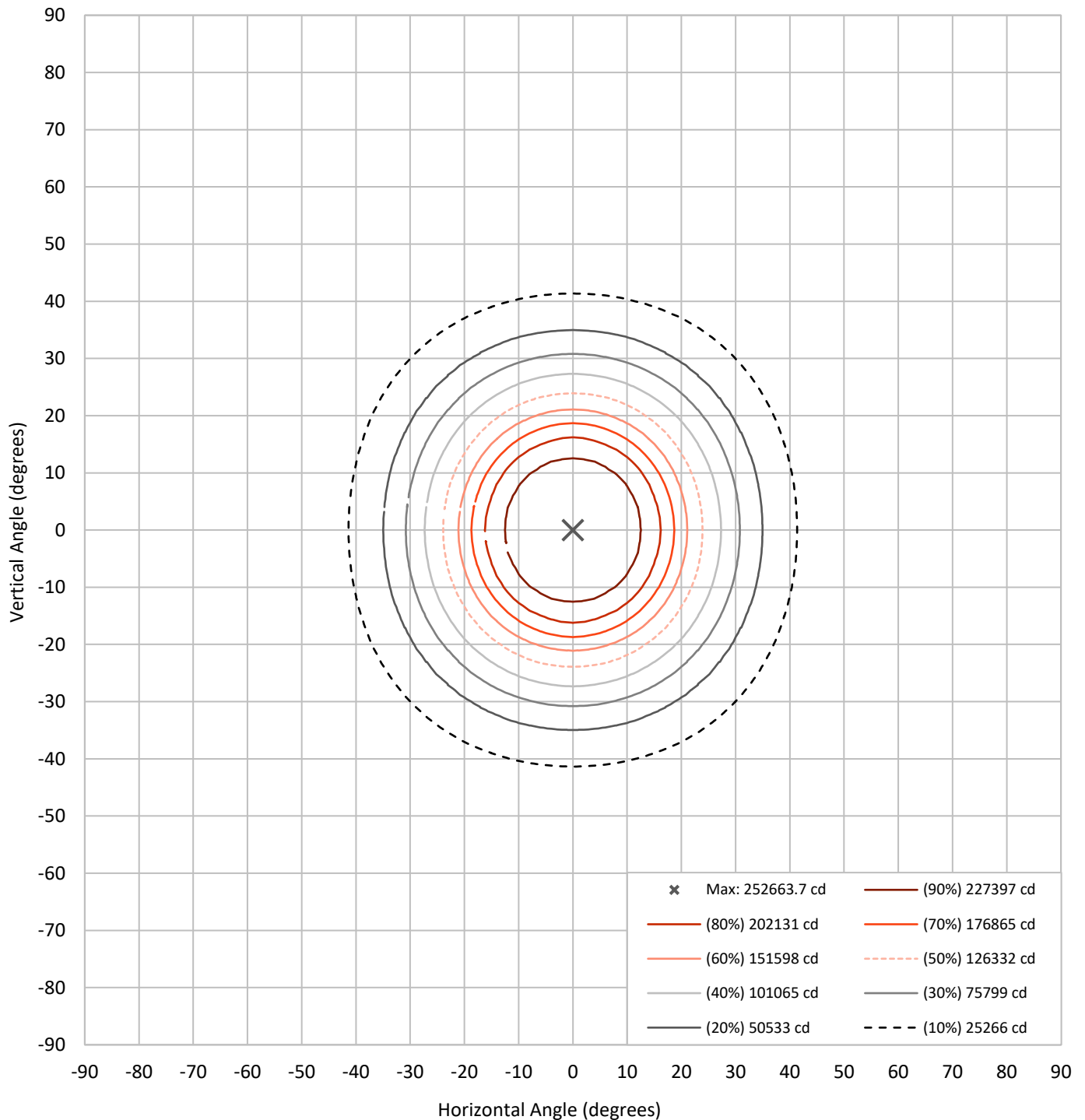
Test Method: LM-79-08
Report Number: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-13)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-40-80-5S-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	184373.9 lumens	Max Intensity:	252663.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	148.1 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	47.8°H x 47.8°V	Field Angle (10%):	82.7°H x 82.7°V
Beam Lumens:	102767.3 lumens	Field Lumens:	169630.3 lumens
Beam Efficiency:	55.7%	Field Efficiency:	92.0%
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		

REPORT NUMBER: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-S

Iso-Candela Plot





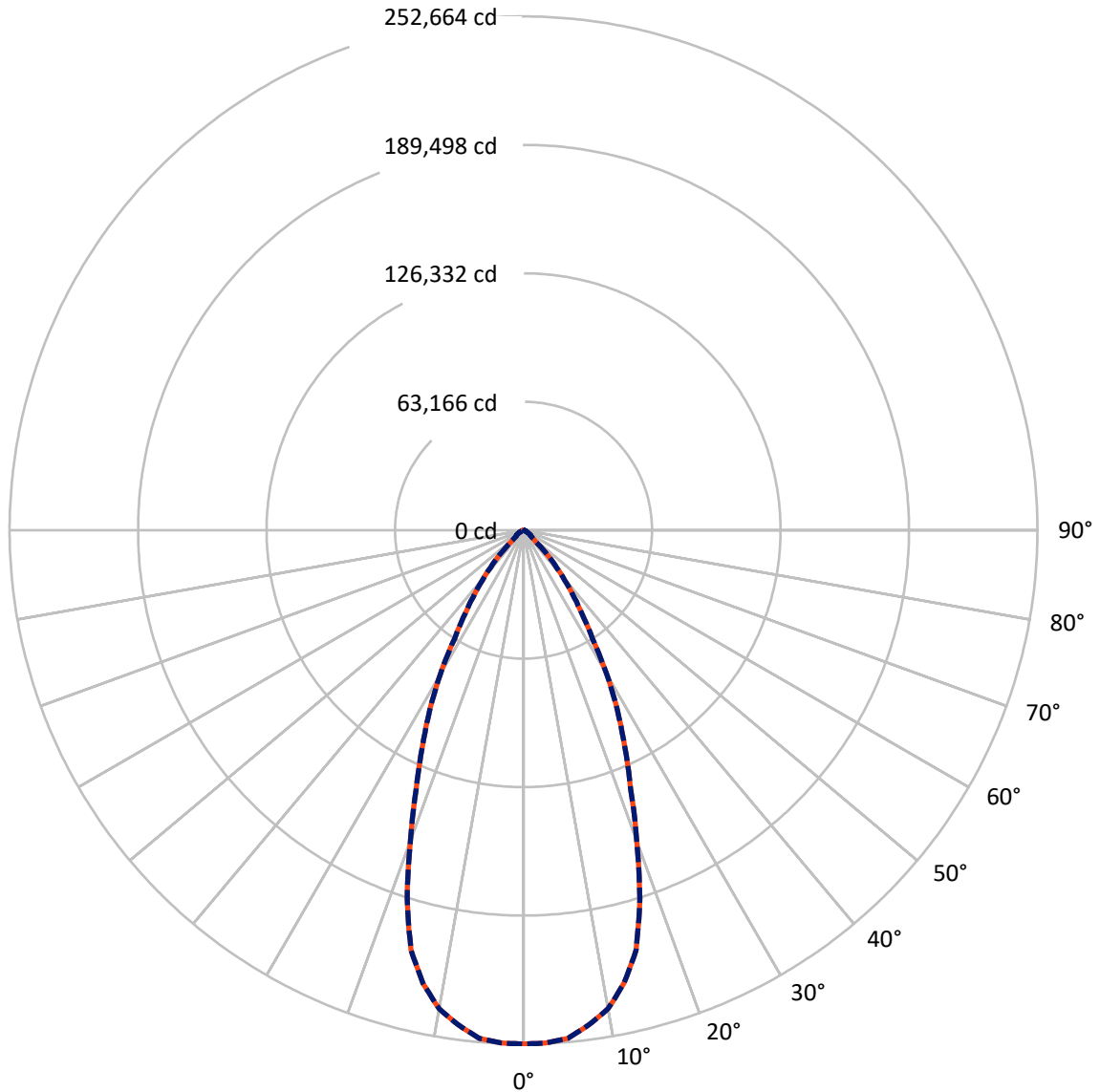
REPORT NUMBER: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-S

Lumen Table

90																
80	0.2	1.7		6.5		14.9		19.2		14.9		6.5		1.7		0.2
70																
60	0.8	1.1	3.8	10.0	19.7	31.1	41.4	47.2	47.2	41.4	31.1	19.7	10.0	3.8	1.1	0.8
50		2.9	11.5	29.3	55.6	84.4	107.2	119.8	119.8	107.2	84.4	55.6	29.3	11.5	2.9	
40	2.2	6.1	23.9	58.7	102.9	175.1	319.7	438.6	438.6	319.7	175.1	102.9	58.7	23.9	6.1	2.2
30		10.5	39.4	89.0	226.2	644.8	1153.1	1515.3	1515.3	1153.1	644.8	226.2	89.0	39.4	10.5	
20	4.3	15.0	54.1	138.0	586.1	1453.8	2612.9	3466.0	3466.0	2612.9	1453.8	586.1	138.0	54.1	15.0	4.3
10		18.7	64.4	238.8	985.3	2458.7	4458.8	6050.9	6050.9	4458.8	2458.7	985.3	238.8	64.4	18.7	
0	5.3	20.7	69.8	318.5	1257.1	3165.9	5874.7	7374.2	7374.2	5874.7	3165.9	1257.1	318.5	69.8	20.7	5.3
-10		20.7	69.8	318.5	1257.1	3165.9	5874.7	7374.2	7374.2	5874.7	3165.9	1257.1	318.5	69.8	20.7	
-20	4.3	18.7	64.4	238.8	985.3	2458.7	4458.8	6050.9	6050.9	4458.8	2458.7	985.3	238.8	64.4	18.7	4.3
-30		15.0	54.1	138.0	586.1	1453.8	2612.9	3466.0	3466.0	2612.9	1453.8	586.1	138.0	54.1	15.0	
-40	2.2	10.5	39.4	89.0	226.2	644.8	1153.1	1515.3	1515.3	1153.1	644.8	226.2	89.0	39.4	10.5	2.2
-50		6.1	23.9	58.7	102.9	175.1	319.7	438.6	438.6	319.7	175.1	102.9	58.7	23.9	6.1	
-60	0.8	2.9	11.5	29.3	55.6	84.4	107.2	119.8	119.8	107.2	84.4	55.6	29.3	11.5	2.9	0.8
-70		1.1	3.8	10.0	19.7	31.1	41.4	47.2	47.2	41.4	31.1	19.7	10.0	3.8	1.1	
-80																
-90	0.2	1.7		6.5		14.9		19.2		14.9		6.5		1.7		0.2

REPORT NUMBER: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-S

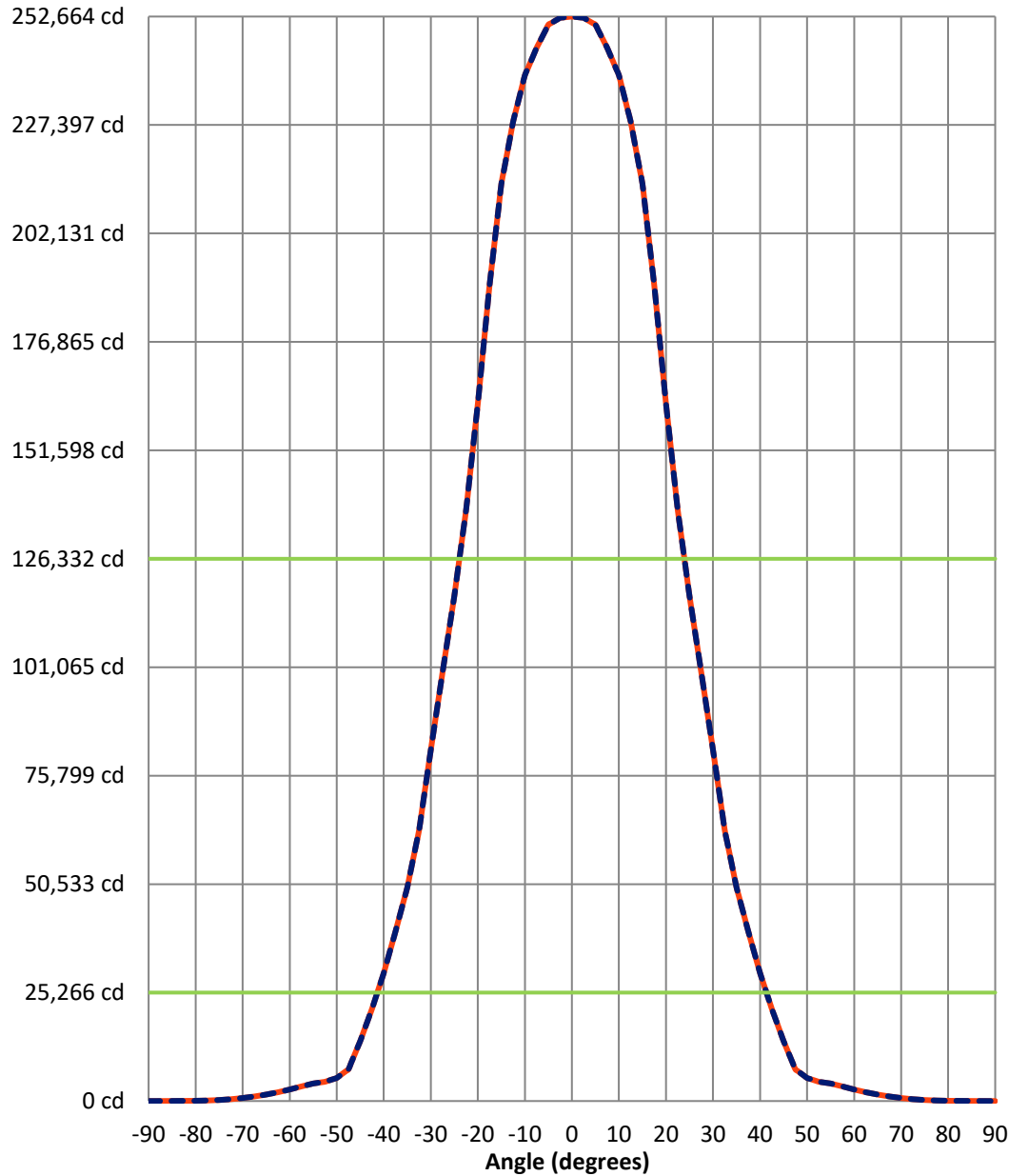
Luminous Intensity Polar Plot



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

REPORT NUMBER: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-S

Luminous Intensity Plot



Beam:
H Angle: 47.8°
V Angle: 47.8°
Lumens: 102767.3
Efficiency: 55.7%

Field:
H Angle: 82.7°
V Angle: 82.7°
Lumens: 169630.3
Efficiency: 92.0%

Spill:
Lumens: 14743.7
Efficiency: 8.0%

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



REPORT NUMBER: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-S

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	0.3	0.6	0.9	1.2	1.4	1.7	2.0	2.3	2.6	2.8
85°	0.0	0.6	1.2	1.7	2.3	2.9	3.5	4.0	4.6	5.1	5.7
82.5°	0.0	0.9	1.7	2.6	3.5	4.3	5.2	6.0	7.1	8.9	10.8
80°	0.0	1.2	2.3	3.5	4.6	5.8	7.2	9.7	12.3	14.8	17.2
77.5°	0.0	1.4	2.9	4.3	5.8	7.8	11.1	14.3	17.5	20.6	24.0
75°	0.0	1.7	3.5	5.2	7.2	11.1	15.0	18.8	22.7	27.4	32.0
72.5°	0.0	2.0	4.0	6.0	9.7	14.3	18.8	23.6	29.1	34.5	39.9
70°	0.0	2.3	4.6	7.1	12.3	17.5	22.7	29.1	35.4	41.6	48.9
67.5°	0.0	2.6	5.1	8.9	14.8	20.6	27.4	34.5	41.6	49.9	58.1
65°	0.0	2.8	5.7	10.8	17.2	24.0	32.0	39.9	48.9	58.1	71.5
62.5°	0.0	3.1	6.2	12.6	19.6	27.8	36.5	45.8	56.1	68.8	94.9
60°	0.0	3.3	6.7	14.4	22.0	31.5	40.9	52.0	63.1	89.5	117.8
57.5°	0.0	3.6	7.8	16.1	24.8	35.1	46.0	58.0	78.8	109.7	154.4
55°	0.0	3.8	9.0	17.7	27.6	38.6	51.0	63.9	96.3	133.5	196.9
52.5°	0.0	4.1	10.0	19.4	30.3	42.1	55.9	77.8	113.4	170.7	238.2
50°	0.0	4.3	11.1	20.9	33.0	46.0	60.6	92.3	134.5	206.8	299.8
47.5°	0.0	4.5	12.1	22.6	35.5	49.8	66.2	106.2	165.5	241.7	361.9
45°	0.0	4.7	13.1	24.4	37.9	53.4	77.7	119.7	195.3	295.0	421.8
42.5°	0.0	4.9	14.0	26.1	40.3	56.9	88.8	139.6	224.0	346.7	503.3
40°	0.0	5.1	14.9	27.8	42.7	60.3	99.3	163.5	256.7	396.2	585.4
37.5°	0.0	5.3	15.7	29.4	45.3	63.5	109.3	186.2	298.4	449.6	663.6
35°	0.0	5.5	16.5	30.9	47.7	69.6	118.8	207.8	337.9	516.1	745.8
32.5°	0.0	5.7	17.3	32.3	49.9	77.1	130.2	228.0	375.1	578.7	835.6
30°	0.0	5.8	18.0	33.6	52.0	84.0	146.4	249.6	409.9	637.3	919.8
27.5°	0.0	5.9	18.6	34.8	54.0	90.4	161.4	277.8	448.1	691.9	998.1
25°	0.0	6.1	19.2	35.9	55.8	96.3	175.2	303.7	492.5	751.4	1071.2
22.5°	0.0	6.2	19.8	37.0	57.4	101.7	187.8	327.3	533.0	810.3	1153.6
20°	0.0	6.3	20.2	37.9	58.9	106.6	199.1	348.6	569.5	863.5	1228.0
17.5°	0.0	6.4	20.7	38.7	60.2	110.9	209.2	367.6	601.9	910.7	1294.2
15°	0.0	6.5	21.0	39.4	61.3	114.6	218.0	384.1	630.2	951.9	1352.0
12.5°	0.0	6.5	21.4	40.0	62.3	117.8	225.4	398.1	654.3	987.0	1401.2
10°	0.0	6.6	21.6	40.5	63.1	120.4	231.6	409.6	674.1	1015.8	1441.6
7.5°	0.0	6.6	21.8	40.9	63.7	122.5	236.3	418.6	689.5	1038.3	1473.2
5°	0.0	6.7	22.0	41.2	64.1	123.9	239.8	425.0	700.5	1054.5	1495.8
2.5°	0.0	6.7	22.1	41.3	64.4	124.8	241.8	428.9	707.2	1064.2	1509.5
0°	0.0	6.7	22.1	41.3	64.4	124.8	241.8	428.9	707.2	1064.2	1509.5
-2.5°	0.0	6.7	22.1	41.3	64.4	124.8	241.8	428.9	707.2	1064.2	1509.5
-5°	0.0	6.7	22.0	41.2	64.1	123.9	239.8	425.0	700.5	1054.5	1495.8
-7.5°	0.0	6.6	21.8	40.9	63.7	122.5	236.3	418.6	689.5	1038.3	1473.2
-10°	0.0	6.6	21.6	40.5	63.1	120.4	231.6	409.6	674.1	1015.8	1441.6
-12.5°	0.0	6.5	21.4	40.0	62.3	117.8	225.4	398.1	654.3	987.0	1401.2
-15°	0.0	6.5	21.0	39.4	61.3	114.6	218.0	384.1	630.2	951.9	1352.0
-17.5°	0.0	6.4	20.7	38.7	60.2	110.9	209.2	367.6	601.9	910.7	1294.2
-20°	0.0	6.3	20.2	37.9	58.9	106.6	199.1	348.6	569.5	863.5	1228.0



REPORT NUMBER: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.2	19.8	37.0	57.4	101.7	187.8	327.3	533.0	810.3	1153.6
-25°	0.0	6.1	19.2	35.9	55.8	96.3	175.2	303.7	492.5	751.4	1071.2
-27.5°	0.0	5.9	18.6	34.8	54.0	90.4	161.4	277.8	448.1	691.9	998.1
-30°	0.0	5.8	18.0	33.6	52.0	84.0	146.4	249.6	409.9	637.3	919.8
-32.5°	0.0	5.7	17.3	32.3	49.9	77.1	130.2	228.0	375.1	578.7	835.6
-35°	0.0	5.5	16.5	30.9	47.7	69.6	118.8	207.8	337.9	516.1	745.8
-37.5°	0.0	5.3	15.7	29.4	45.3	63.5	109.3	186.2	298.4	449.6	663.6
-40°	0.0	5.1	14.9	27.8	42.7	60.3	99.3	163.5	256.7	396.2	585.4
-42.5°	0.0	4.9	14.0	26.1	40.3	56.9	88.8	139.6	224.0	346.7	503.3
-45°	0.0	4.7	13.1	24.4	37.9	53.4	77.7	119.7	195.3	295.0	421.8
-47.5°	0.0	4.5	12.1	22.6	35.5	49.8	66.2	106.2	165.5	241.7	361.9
-50°	0.0	4.3	11.1	20.9	33.0	46.0	60.6	92.3	134.5	206.8	299.8
-52.5°	0.0	4.1	10.0	19.4	30.3	42.1	55.9	77.8	113.4	170.7	238.2
-55°	0.0	3.8	9.0	17.7	27.6	38.6	51.0	63.9	96.3	133.5	196.9
-57.5°	0.0	3.6	7.8	16.1	24.8	35.1	46.0	58.0	78.8	109.7	154.4
-60°	0.0	3.3	6.7	14.4	22.0	31.5	40.9	52.0	63.1	89.5	117.8
-62.5°	0.0	3.1	6.2	12.6	19.6	27.8	36.5	45.8	56.1	68.8	94.9
-65°	0.0	2.8	5.7	10.8	17.2	24.0	32.0	39.9	48.9	58.1	71.5
-67.5°	0.0	2.6	5.1	8.9	14.8	20.6	27.4	34.5	41.6	49.9	58.1
-70°	0.0	2.3	4.6	7.1	12.3	17.5	22.7	29.1	35.4	41.6	48.9
-72.5°	0.0	2.0	4.0	6.0	9.7	14.3	18.8	23.6	29.1	34.5	39.9
-75°	0.0	1.7	3.5	5.2	7.2	11.1	15.0	18.8	22.7	27.4	32.0
-77.5°	0.0	1.4	2.9	4.3	5.8	7.8	11.1	14.3	17.5	20.6	24.0
-80°	0.0	1.2	2.3	3.5	4.6	5.8	7.2	9.7	12.3	14.8	17.2
-82.5°	0.0	0.9	1.7	2.6	3.5	4.3	5.2	6.0	7.1	8.9	10.8
-85°	0.0	0.6	1.2	1.7	2.3	2.9	3.5	4.0	4.6	5.1	5.7
-87.5°	0.0	0.3	0.6	0.9	1.2	1.4	1.7	2.0	2.3	2.6	2.8
-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: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-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°	3.1	3.3	3.6	3.8	4.1	4.3	4.5	4.7	4.9	5.1	5.3
85°	6.2	6.7	7.8	9.0	10.0	11.1	12.1	13.1	14.0	14.9	15.7
82.5°	12.6	14.4	16.1	17.7	19.4	20.9	22.6	24.4	26.1	27.8	29.4
80°	19.6	22.0	24.8	27.6	30.3	33.0	35.5	37.9	40.3	42.7	45.3
77.5°	27.8	31.5	35.1	38.6	42.1	46.0	49.8	53.4	56.9	60.3	63.5
75°	36.5	40.9	46.0	51.0	55.9	60.6	66.2	77.7	88.8	99.3	109.3
72.5°	45.8	52.0	58.0	63.9	77.8	92.3	106.2	119.7	139.6	163.5	186.2
70°	56.1	63.1	78.8	96.3	113.4	134.5	165.5	195.3	224.0	256.7	298.4
67.5°	68.8	89.5	109.7	133.5	170.7	206.8	241.7	295.0	346.7	396.2	449.6
65°	94.9	117.8	154.4	196.9	238.2	299.8	361.9	421.8	503.3	585.4	663.6
62.5°	120.5	164.9	212.7	269.4	342.0	412.6	505.8	604.1	698.6	811.8	922.7
60°	164.9	218.0	286.3	367.6	454.9	569.5	680.7	810.3	943.1	1071.2	1222.9
57.5°	212.7	286.3	376.1	480.4	608.0	738.7	893.3	1042.9	1216.9	1389.9	1563.4
55°	269.4	367.6	480.4	620.9	771.9	943.5	1120.8	1322.4	1517.6	1741.5	1955.9
52.5°	342.0	454.9	608.0	771.9	960.3	1163.1	1386.2	1620.1	1870.5	2124.4	2402.4
50°	412.6	569.5	738.7	943.5	1163.1	1407.6	1671.8	1948.6	2250.7	2561.5	2881.3
47.5°	505.8	680.7	893.3	1120.8	1386.2	1671.8	1974.8	2314.3	2657.9	3027.6	3387.1
45°	604.1	810.3	1042.9	1322.4	1620.1	1948.6	2314.3	2690.2	3101.3	3493.9	3854.4
42.5°	698.6	943.1	1216.9	1517.6	1870.5	2250.7	2657.9	3101.3	3529.2	3926.0	4219.3
40°	811.8	1071.2	1389.9	1741.5	2124.4	2561.5	3027.6	3493.9	3926.0	4240.7	4478.3
37.5°	922.7	1222.9	1563.4	1955.9	2402.4	2881.3	3387.1	3854.4	4219.3	4478.3	5024.2
35°	1028.0	1367.2	1751.7	2182.8	2667.6	3202.5	3712.3	4155.5	4434.8	4974.5	5809.6
32.5°	1142.3	1503.6	1929.9	2415.6	2948.1	3502.2	4020.6	4348.5	4826.4	5576.9	7002.1
30°	1258.7	1654.8	2107.4	2634.7	3215.4	3773.4	4221.1	4582.6	5263.1	6646.2	9773.4
27.5°	1367.2	1797.7	2295.5	2858.4	3462.5	4027.6	4381.3	4966.8	6061.3	8209.6	13266.1
25°	1467.4	1929.9	2469.6	3072.2	3680.8	4192.8	4580.6	5325.3	6945.2	11275.9	16911.2
22.5°	1567.8	2051.4	2629.1	3268.4	3881.4	4320.1	4887.5	6018.8	8552.2	14140.2	20397.9
20°	1666.9	2182.8	2784.0	3444.2	4063.5	4435.7	5166.8	6711.6	10970.8	17115.2	23838.3
17.5°	1755.0	2300.0	2929.0	3593.3	4170.7	4599.7	5469.9	7333.8	13147.5	19799.0	27061.5
15°	1832.0	2402.4	3055.8	3724.0	4254.1	4802.3	5975.0	8935.0	15220.3	22248.5	29932.8
12.5°	1897.6	2489.6	3164.0	3835.5	4325.4	4975.7	6407.7	10455.6	17103.9	24522.0	32799.5
10°	1951.6	2561.5	3253.2	3927.4	4384.3	5118.9	6765.5	11714.8	18666.2	26411.1	35186.8
7.5°	1993.7	2617.6	3322.9	3999.4	4430.3	5231.1	7046.2	12703.7	19894.8	27899.1	37070.8
5°	2024.0	2657.9	3372.9	4051.0	4463.4	5311.7	7248.0	13415.3	20779.9	28972.4	38431.6
2.5°	2042.1	2682.1	3403.0	4082.1	4483.3	5360.3	7369.7	13844.5	21314.0	29620.6	39254.4
0°	2048.2	2690.2	3413.0	4092.5	4490.0	5376.5	7410.3	13987.9	21492.5	29837.4	39529.7
-2.5°	2042.1	2682.1	3403.0	4082.1	4483.3	5360.3	7369.7	13844.5	21314.0	29620.6	39254.4
-5°	2024.0	2657.9	3372.9	4051.0	4463.4	5311.7	7248.0	13415.3	20779.9	28972.4	38431.6
-7.5°	1993.7	2617.6	3322.9	3999.4	4430.3	5231.1	7046.2	12703.7	19894.8	27899.1	37070.8
-10°	1951.6	2561.5	3253.2	3927.4	4384.3	5118.9	6765.5	11714.8	18666.2	26411.1	35186.8
-12.5°	1897.6	2489.6	3164.0	3835.5	4325.4	4975.7	6407.7	10455.6	17103.9	24522.0	32799.5
-15°	1832.0	2402.4	3055.8	3724.0	4254.1	4802.3	5975.0	8935.0	15220.3	22248.5	29932.8
-17.5°	1755.0	2300.0	2929.0	3593.3	4170.7	4599.7	5469.9	7333.8	13147.5	19799.0	27061.5
-20°	1666.9	2182.8	2784.0	3444.2	4063.5	4435.7	5166.8	6711.6	10970.8	17115.2	23838.3



REPORT NUMBER: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1567.8	2051.4	2629.1	3268.4	3881.4	4320.1	4887.5	6018.8	8552.2	14140.2	20397.9
-25°	1467.4	1929.9	2469.6	3072.2	3680.8	4192.8	4580.6	5325.3	6945.2	11275.9	16911.2
-27.5°	1367.2	1797.7	2295.5	2858.4	3462.5	4027.6	4381.3	4966.8	6061.3	8209.6	13266.1
-30°	1258.7	1654.8	2107.4	2634.7	3215.4	3773.4	4221.1	4582.6	5263.1	6646.2	9773.4
-32.5°	1142.3	1503.6	1929.9	2415.6	2948.1	3502.2	4020.6	4348.5	4826.4	5576.9	7002.1
-35°	1028.0	1367.2	1751.7	2182.8	2667.6	3202.5	3712.3	4155.5	4434.8	4974.5	5809.6
-37.5°	922.7	1222.9	1563.4	1955.9	2402.4	2881.3	3387.1	3854.4	4219.3	4478.3	5024.2
-40°	811.8	1071.2	1389.9	1741.5	2124.4	2561.5	3027.6	3493.9	3926.0	4240.7	4478.3
-42.5°	698.6	943.1	1216.9	1517.6	1870.5	2250.7	2657.9	3101.3	3529.2	3926.0	4219.3
-45°	604.1	810.3	1042.9	1322.4	1620.1	1948.6	2314.3	2690.2	3101.3	3493.9	3854.4
-47.5°	505.8	680.7	893.3	1120.8	1386.2	1671.8	1974.8	2314.3	2657.9	3027.6	3387.1
-50°	412.6	569.5	738.7	943.5	1163.1	1407.6	1671.8	1948.6	2250.7	2561.5	2881.3
-52.5°	342.0	454.9	608.0	771.9	960.3	1163.1	1386.2	1620.1	1870.5	2124.4	2402.4
-55°	269.4	367.6	480.4	620.9	771.9	943.5	1120.8	1322.4	1517.6	1741.5	1955.9
-57.5°	212.7	286.3	376.1	480.4	608.0	738.7	893.3	1042.9	1216.9	1389.9	1563.4
-60°	164.9	218.0	286.3	367.6	454.9	569.5	680.7	810.3	943.1	1071.2	1222.9
-62.5°	120.5	164.9	212.7	269.4	342.0	412.6	505.8	604.1	698.6	811.8	922.7
-65°	94.9	117.8	154.4	196.9	238.2	299.8	361.9	421.8	503.3	585.4	663.6
-67.5°	68.8	89.5	109.7	133.5	170.7	206.8	241.7	295.0	346.7	396.2	449.6
-70°	56.1	63.1	78.8	96.3	113.4	134.5	165.5	195.3	224.0	256.7	298.4
-72.5°	45.8	52.0	58.0	63.9	77.8	92.3	106.2	119.7	139.6	163.5	186.2
-75°	36.5	40.9	46.0	51.0	55.9	60.6	66.2	77.7	88.8	99.3	109.3
-77.5°	27.8	31.5	35.1	38.6	42.1	46.0	49.8	53.4	56.9	60.3	63.5
-80°	19.6	22.0	24.8	27.6	30.3	33.0	35.5	37.9	40.3	42.7	45.3
-82.5°	12.6	14.4	16.1	17.7	19.4	20.9	22.6	24.4	26.1	27.8	29.4
-85°	6.2	6.7	7.8	9.0	10.0	11.1	12.1	13.1	14.0	14.9	15.7
-87.5°	3.1	3.3	3.6	3.8	4.1	4.3	4.5	4.7	4.9	5.1	5.3
-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: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-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°	5.5	5.7	5.8	5.9	6.1	6.2	6.3	6.4	6.5	6.5	6.6
85°	16.5	17.3	18.0	18.6	19.2	19.8	20.2	20.7	21.0	21.4	21.6
82.5°	30.9	32.3	33.6	34.8	35.9	37.0	37.9	38.7	39.4	40.0	40.5
80°	47.7	49.9	52.0	54.0	55.8	57.4	58.9	60.2	61.3	62.3	63.1
77.5°	69.6	77.1	84.0	90.4	96.3	101.7	106.6	110.9	114.6	117.8	120.4
75°	118.8	130.2	146.4	161.4	175.2	187.8	199.1	209.2	218.0	225.4	231.6
72.5°	207.8	228.0	249.6	277.8	303.7	327.3	348.6	367.6	384.1	398.1	409.6
70°	337.9	375.1	409.9	448.1	492.5	533.0	569.5	601.9	630.2	654.3	674.1
67.5°	516.1	578.7	637.3	691.9	751.4	810.3	863.5	910.7	951.9	987.0	1015.8
65°	745.8	835.6	919.8	998.1	1071.2	1153.6	1228.0	1294.2	1352.0	1401.2	1441.6
62.5°	1028.0	1142.3	1258.7	1367.2	1467.4	1567.8	1666.9	1755.0	1832.0	1897.6	1951.6
60°	1367.2	1503.6	1654.8	1797.7	1929.9	2051.4	2182.8	2300.0	2402.4	2489.6	2561.5
57.5°	1751.7	1929.9	2107.4	2295.5	2469.6	2629.1	2784.0	2929.0	3055.8	3164.0	3253.2
55°	2182.8	2415.6	2634.7	2858.4	3072.2	3268.4	3444.2	3593.3	3724.0	3835.5	3927.4
52.5°	2667.6	2948.1	3215.4	3462.5	3680.8	3881.4	4063.5	4170.7	4254.1	4325.4	4384.3
50°	3202.5	3502.2	3773.4	4027.6	4192.8	4320.1	4435.7	4599.7	4802.3	4975.7	5118.9
47.5°	3712.3	4020.6	4221.1	4381.3	4580.6	4887.5	5166.8	5469.9	5975.0	6407.7	6765.5
45°	4155.5	4348.5	4582.6	4966.8	5325.3	6018.8	6711.6	7333.8	8935.0	10455.6	11714.8
42.5°	4434.8	4826.4	5263.1	6061.3	6945.2	8552.2	10970.8	13147.5	15220.3	17103.9	18666.2
40°	4974.5	5576.9	6646.2	8209.6	11275.9	14140.2	17115.2	19799.0	22248.5	24522.0	26411.1
37.5°	5809.6	7002.1	9773.4	13266.1	16911.2	20397.9	23838.3	27061.5	29932.8	32799.5	35186.8
35°	7121.6	10564.1	14548.2	18796.4	22949.8	27109.3	31122.8	35165.0	38760.3	42005.5	44751.0
32.5°	10564.1	15013.1	19750.8	24582.9	29340.6	34438.0	39229.1	43820.6	47934.5	52033.9	55927.2
30°	14548.2	19750.8	25132.1	30574.8	36467.3	42149.5	47588.7	53405.0	59204.4	64754.8	70746.1
27.5°	18796.4	24582.9	30574.8	37150.7	43642.3	49944.2	57542.7	65124.8	73986.9	81760.2	88111.3
25°	22949.8	29340.6	36467.3	43642.3	50958.9	59651.7	69746.9	80370.3	89729.1	97946.3	104838.3
22.5°	27109.3	34438.0	42149.5	49944.2	59651.7	71309.6	83575.4	94670.7	104712.0	113554.2	121556.5
20°	31122.8	39229.1	47588.7	57542.7	69746.9	83575.4	96346.7	108174.2	119170.2	130107.4	139996.2
17.5°	35165.0	43820.6	53405.0	65124.8	80370.3	94670.7	108174.2	121260.7	134540.5	148694.4	161720.7
15°	38760.3	47934.5	59204.4	73986.9	89729.1	104712.0	119170.2	134540.5	151677.9	168760.6	185016.2
12.5°	42005.5	52033.9	64754.8	81760.2	97946.3	113554.2	130107.4	148694.4	168760.6	188964.4	204658.2
10°	44751.0	55927.2	70746.1	88111.3	104838.3	121556.5	139996.2	161720.7	185016.2	204658.2	220209.6
7.5°	46922.7	59015.2	75514.3	93186.2	110347.5	128450.9	149542.4	173630.2	197375.0	216987.7	228254.9
5°	48494.1	61254.8	78981.9	96889.6	114385.6	133533.6	156634.6	182638.9	206208.0	223869.9	234403.2
2.5°	49445.4	62612.5	81088.3	99144.8	116852.5	136651.8	161011.0	188243.4	211769.5	227213.7	237852.2
0°	49763.9	63067.5	81794.8	99902.2	117682.4	137703.2	162491.3	190147.7	213672.0	228165.3	238981.8
-2.5°	49445.4	62612.5	81088.3	99144.8	116852.5	136651.8	161011.0	188243.4	211769.5	227213.7	237852.2
-5°	48494.1	61254.8	78981.9	96889.6	114385.6	133533.6	156634.6	182638.9	206208.0	223869.9	234403.2
-7.5°	46922.7	59015.2	75514.3	93186.2	110347.5	128450.9	149542.4	173630.2	197375.0	216987.7	228254.9
-10°	44751.0	55927.2	70746.1	88111.3	104838.3	121556.5	139996.2	161720.7	185016.2	204658.2	220209.6
-12.5°	42005.5	52033.9	64754.8	81760.2	97946.3	113554.2	130107.4	148694.4	168760.6	188964.4	204658.2
-15°	38760.3	47934.5	59204.4	73986.9	89729.1	104712.0	119170.2	134540.5	151677.9	168760.6	185016.2
-17.5°	35165.0	43820.6	53405.0	65124.8	80370.3	94670.7	108174.2	121260.7	134540.5	148694.4	161720.7
-20°	31122.8	39229.1	47588.7	57542.7	69746.9	83575.4	96346.7	108174.2	119170.2	130107.4	139996.2



REPORT NUMBER: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	27109.3	34438.0	42149.5	49944.2	59651.7	71309.6	83575.4	94670.7	104712.0	113554.2	121556.5
-25°	22949.8	29340.6	36467.3	43642.3	50958.9	59651.7	69746.9	80370.3	89729.1	97946.3	104838.3
-27.5°	18796.4	24582.9	30574.8	37150.7	43642.3	49944.2	57542.7	65124.8	73986.9	81760.2	88111.3
-30°	14548.2	19750.8	25132.1	30574.8	36467.3	42149.5	47588.7	53405.0	59204.4	64754.8	70746.1
-32.5°	10564.1	15013.1	19750.8	24582.9	29340.6	34438.0	39229.1	43820.6	47934.5	52033.9	55927.2
-35°	7121.6	10564.1	14548.2	18796.4	22949.8	27109.3	31122.8	35165.0	38760.3	42005.5	44751.0
-37.5°	5809.6	7002.1	9773.4	13266.1	16911.2	20397.9	23838.3	27061.5	29932.8	32799.5	35186.8
-40°	4974.5	5576.9	6646.2	8209.6	11275.9	14140.2	17115.2	19799.0	22248.5	24522.0	26411.1
-42.5°	4434.8	4826.4	5263.1	6061.3	6945.2	8552.2	10970.8	13147.5	15220.3	17103.9	18666.2
-45°	4155.5	4348.5	4582.6	4966.8	5325.3	6018.8	6711.6	7333.8	8935.0	10455.6	11714.8
-47.5°	3712.3	4020.6	4221.1	4381.3	4580.6	4887.5	5166.8	5469.9	5975.0	6407.7	6765.5
-50°	3202.5	3502.2	3773.4	4027.6	4192.8	4320.1	4435.7	4599.7	4802.3	4975.7	5118.9
-52.5°	2667.6	2948.1	3215.4	3462.5	3680.8	3881.4	4063.5	4170.7	4254.1	4325.4	4384.3
-55°	2182.8	2415.6	2634.7	2858.4	3072.2	3268.4	3444.2	3593.3	3724.0	3835.5	3927.4
-57.5°	1751.7	1929.9	2107.4	2295.5	2469.6	2629.1	2784.0	2929.0	3055.8	3164.0	3253.2
-60°	1367.2	1503.6	1654.8	1797.7	1929.9	2051.4	2182.8	2300.0	2402.4	2489.6	2561.5
-62.5°	1028.0	1142.3	1258.7	1367.2	1467.4	1567.8	1666.9	1755.0	1832.0	1897.6	1951.6
-65°	745.8	835.6	919.8	998.1	1071.2	1153.6	1228.0	1294.2	1352.0	1401.2	1441.6
-67.5°	516.1	578.7	637.3	691.9	751.4	810.3	863.5	910.7	951.9	987.0	1015.8
-70°	337.9	375.1	409.9	448.1	492.5	533.0	569.5	601.9	630.2	654.3	674.1
-72.5°	207.8	228.0	249.6	277.8	303.7	327.3	348.6	367.6	384.1	398.1	409.6
-75°	118.8	130.2	146.4	161.4	175.2	187.8	199.1	209.2	218.0	225.4	231.6
-77.5°	69.6	77.1	84.0	90.4	96.3	101.7	106.6	110.9	114.6	117.8	120.4
-80°	47.7	49.9	52.0	54.0	55.8	57.4	58.9	60.2	61.3	62.3	63.1
-82.5°	30.9	32.3	33.6	34.8	35.9	37.0	37.9	38.7	39.4	40.0	40.5
-85°	16.5	17.3	18.0	18.6	19.2	19.8	20.2	20.7	21.0	21.4	21.6
-87.5°	5.5	5.7	5.8	5.9	6.1	6.2	6.3	6.4	6.5	6.5	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: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-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°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.5	6.4
85°	21.8	22.0	22.1	22.1	22.1	22.0	21.8	21.6	21.4	21.0	20.7
82.5°	40.9	41.2	41.3	41.4	41.3	41.2	40.9	40.5	40.0	39.4	38.7
80°	63.7	64.1	64.4	64.5	64.4	64.1	63.7	63.1	62.3	61.3	60.2
77.5°	122.5	123.9	124.8	125.1	124.8	123.9	122.5	120.4	117.8	114.6	110.9
75°	236.3	239.8	241.8	242.5	241.8	239.8	236.3	231.6	225.4	218.0	209.2
72.5°	418.6	425.0	428.9	430.2	428.9	425.0	418.6	409.6	398.1	384.1	367.6
70°	689.5	700.5	707.2	709.4	707.2	700.5	689.5	674.1	654.3	630.2	601.9
67.5°	1038.3	1054.5	1064.2	1067.4	1064.2	1054.5	1038.3	1015.8	987.0	951.9	910.7
65°	1473.2	1495.8	1509.5	1514.0	1509.5	1495.8	1473.2	1441.6	1401.2	1352.0	1294.2
62.5°	1993.7	2024.0	2042.1	2048.2	2042.1	2024.0	1993.7	1951.6	1897.6	1832.0	1755.0
60°	2617.6	2657.9	2682.1	2690.2	2682.1	2657.9	2617.6	2561.5	2489.6	2402.4	2300.0
57.5°	3322.9	3372.9	3403.0	3413.0	3403.0	3372.9	3322.9	3253.2	3164.0	3055.8	2929.0
55°	3999.4	4051.0	4082.1	4092.5	4082.1	4051.0	3999.4	3927.4	3835.5	3724.0	3593.3
52.5°	4430.3	4463.4	4483.3	4490.0	4483.3	4463.4	4430.3	4384.3	4325.4	4254.1	4170.7
50°	5231.1	5311.7	5360.3	5376.5	5360.3	5311.7	5231.1	5118.9	4975.7	4802.3	4599.7
47.5°	7046.2	7248.0	7369.7	7410.3	7369.7	7248.0	7046.2	6765.5	6407.7	5975.0	5469.9
45°	12703.7	13415.3	13844.5	13987.9	13844.5	13415.3	12703.7	11714.8	10455.6	8935.0	7333.8
42.5°	19894.8	20779.9	21314.0	21492.5	21314.0	20779.9	19894.8	18666.2	17103.9	15220.3	13147.5
40°	27899.1	28972.4	29620.6	29837.4	29620.6	28972.4	27899.1	26411.1	24522.0	22248.5	19799.0
37.5°	37070.8	38431.6	39254.4	39529.7	39254.4	38431.6	37070.8	35186.8	32799.5	29932.8	27061.5
35°	46922.7	48494.1	49445.4	49763.9	49445.4	48494.1	46922.7	44751.0	42005.5	38760.3	35165.0
32.5°	59015.2	61254.8	62612.5	63067.5	62612.5	61254.8	59015.2	55927.2	52033.9	47934.5	43820.6
30°	75514.3	78981.9	81088.3	81794.8	81088.3	78981.9	75514.3	70746.1	64754.8	59204.4	53405.0
27.5°	93186.2	96889.6	99144.8	99902.2	99144.8	96889.6	93186.2	88111.3	81760.2	73986.9	65124.8
25°	110347.5	114385.6	116852.5	117682.4	116852.5	114385.6	110347.5	104838.3	97946.3	89729.1	80370.3
22.5°	128450.9	133533.6	136651.8	137703.2	136651.8	133533.6	128450.9	121556.5	113554.2	104712.0	94670.7
20°	149542.4	156634.6	161011.0	162491.3	161011.0	156634.6	149542.4	139996.2	130107.4	119170.2	108174.2
17.5°	173630.2	182638.9	188243.4	190147.7	188243.4	182638.9	173630.2	161720.7	148694.4	134540.5	121260.7
15°	197375.0	206208.0	211769.5	213672.0	211769.5	206208.0	197375.0	185016.2	168760.6	151677.9	134540.5
12.5°	216987.7	223869.9	227213.7	228165.3	227213.7	223869.9	216987.7	204658.2	188964.4	168760.6	148694.4
10°	228254.9	234403.2	237852.2	238981.8	237852.2	234403.2	228254.9	220209.6	204658.2	185016.2	161720.7
7.5°	236789.1	241399.6	244358.4	245376.2	244358.4	241399.6	236789.1	228254.9	216987.7	197375.0	173630.2
5°	241399.6	246469.6	249610.0	250766.6	249610.0	246469.6	241399.6	234403.2	223869.9	206208.0	182638.9
2.5°	244358.4	249610.0	251972.8	252362.4	251972.8	249610.0	244358.4	237852.2	227213.7	211769.5	188243.4
0°	245376.2	250766.6	252362.4	252663.7	252362.4	250766.6	245376.2	238981.8	228165.3	213672.0	190147.7
-2.5°	244358.4	249610.0	251972.8	252362.4	251972.8	249610.0	244358.4	237852.2	227213.7	211769.5	188243.4
-5°	241399.6	246469.6	249610.0	250766.6	249610.0	246469.6	241399.6	234403.2	223869.9	206208.0	182638.9
-7.5°	236789.1	241399.6	244358.4	245376.2	244358.4	241399.6	236789.1	228254.9	216987.7	197375.0	173630.2
-10°	228254.9	234403.2	237852.2	238981.8	237852.2	234403.2	228254.9	220209.6	204658.2	185016.2	161720.7
-12.5°	216987.7	223869.9	227213.7	228165.3	227213.7	223869.9	216987.7	204658.2	188964.4	168760.6	148694.4
-15°	197375.0	206208.0	211769.5	213672.0	211769.5	206208.0	197375.0	185016.2	168760.6	151677.9	134540.5
-17.5°	173630.2	182638.9	188243.4	190147.7	188243.4	182638.9	173630.2	161720.7	148694.4	134540.5	121260.7
-20°	149542.4	156634.6	161011.0	162491.3	161011.0	156634.6	149542.4	139996.2	130107.4	119170.2	108174.2



REPORT NUMBER: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	128450.9	133533.6	136651.8	137703.2	136651.8	133533.6	128450.9	121556.5	113554.2	104712.0	94670.7
-25°	110347.5	114385.6	116852.5	117682.4	116852.5	114385.6	110347.5	104838.3	97946.3	89729.1	80370.3
-27.5°	93186.2	96889.6	99144.8	99902.2	99144.8	96889.6	93186.2	88111.3	81760.2	73986.9	65124.8
-30°	75514.3	78981.9	81088.3	81794.8	81088.3	78981.9	75514.3	70746.1	64754.8	59204.4	53405.0
-32.5°	59015.2	61254.8	62612.5	63067.5	62612.5	61254.8	59015.2	55927.2	52033.9	47934.5	43820.6
-35°	46922.7	48494.1	49445.4	49763.9	49445.4	48494.1	46922.7	44751.0	42005.5	38760.3	35165.0
-37.5°	37070.8	38431.6	39254.4	39529.7	39254.4	38431.6	37070.8	35186.8	32799.5	29932.8	27061.5
-40°	27899.1	28972.4	29620.6	29837.4	29620.6	28972.4	27899.1	26411.1	24522.0	22248.5	19799.0
-42.5°	19894.8	20779.9	21314.0	21492.5	21314.0	20779.9	19894.8	18666.2	17103.9	15220.3	13147.5
-45°	12703.7	13415.3	13844.5	13987.9	13844.5	13415.3	12703.7	11714.8	10455.6	8935.0	7333.8
-47.5°	7046.2	7248.0	7369.7	7410.3	7369.7	7248.0	7046.2	6765.5	6407.7	5975.0	5469.9
-50°	5231.1	5311.7	5360.3	5376.5	5360.3	5311.7	5231.1	5118.9	4975.7	4802.3	4599.7
-52.5°	4430.3	4463.4	4483.3	4490.0	4483.3	4463.4	4430.3	4384.3	4325.4	4254.1	4170.7
-55°	3999.4	4051.0	4082.1	4092.5	4082.1	4051.0	3999.4	3927.4	3835.5	3724.0	3593.3
-57.5°	3322.9	3372.9	3403.0	3413.0	3403.0	3372.9	3322.9	3253.2	3164.0	3055.8	2929.0
-60°	2617.6	2657.9	2682.1	2690.2	2682.1	2657.9	2617.6	2561.5	2489.6	2402.4	2300.0
-62.5°	1993.7	2024.0	2042.1	2048.2	2042.1	2024.0	1993.7	1951.6	1897.6	1832.0	1755.0
-65°	1473.2	1495.8	1509.5	1514.0	1509.5	1495.8	1473.2	1441.6	1401.2	1352.0	1294.2
-67.5°	1038.3	1054.5	1064.2	1067.4	1064.2	1054.5	1038.3	1015.8	987.0	951.9	910.7
-70°	689.5	700.5	707.2	709.4	707.2	700.5	689.5	674.1	654.3	630.2	601.9
-72.5°	418.6	425.0	428.9	430.2	428.9	425.0	418.6	409.6	398.1	384.1	367.6
-75°	236.3	239.8	241.8	242.5	241.8	239.8	236.3	231.6	225.4	218.0	209.2
-77.5°	122.5	123.9	124.8	125.1	124.8	123.9	122.5	120.4	117.8	114.6	110.9
-80°	63.7	64.1	64.4	64.5	64.4	64.1	63.7	63.1	62.3	61.3	60.2
-82.5°	40.9	41.2	41.3	41.4	41.3	41.2	40.9	40.5	40.0	39.4	38.7
-85°	21.8	22.0	22.1	22.1	22.1	22.0	21.8	21.6	21.4	21.0	20.7
-87.5°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.5	6.4
-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: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-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°	6.3	6.2	6.1	5.9	5.8	5.7	5.5	5.3	5.1	4.9	4.7
85°	20.2	19.8	19.2	18.6	18.0	17.3	16.5	15.7	14.9	14.0	13.1
82.5°	37.9	37.0	35.9	34.8	33.6	32.3	30.9	29.4	27.8	26.1	24.4
80°	58.9	57.4	55.8	54.0	52.0	49.9	47.7	45.3	42.7	40.3	37.9
77.5°	106.6	101.7	96.3	90.4	84.0	77.1	69.6	63.5	60.3	56.9	53.4
75°	199.1	187.8	175.2	161.4	146.4	130.2	118.8	109.3	99.3	88.8	77.7
72.5°	348.6	327.3	303.7	277.8	249.6	228.0	207.8	186.2	163.5	139.6	119.7
70°	569.5	533.0	492.5	448.1	409.9	375.1	337.9	298.4	256.7	224.0	195.3
67.5°	863.5	810.3	751.4	691.9	637.3	578.7	516.1	449.6	396.2	346.7	295.0
65°	1228.0	1153.6	1071.2	998.1	919.8	835.6	745.8	663.6	585.4	503.3	421.8
62.5°	1666.9	1567.8	1467.4	1367.2	1258.7	1142.3	1028.0	922.7	811.8	698.6	604.1
60°	2182.8	2051.4	1929.9	1797.7	1654.8	1503.6	1367.2	1222.9	1071.2	943.1	810.3
57.5°	2784.0	2629.1	2469.6	2295.5	2107.4	1929.9	1751.7	1563.4	1389.9	1216.9	1042.9
55°	3444.2	3268.4	3072.2	2858.4	2634.7	2415.6	2182.8	1955.9	1741.5	1517.6	1322.4
52.5°	4063.5	3881.4	3680.8	3462.5	3215.4	2948.1	2667.6	2402.4	2124.4	1870.5	1620.1
50°	4435.7	4320.1	4192.8	4027.6	3773.4	3502.2	3202.5	2881.3	2561.5	2250.7	1948.6
47.5°	5166.8	4887.5	4580.6	4381.3	4221.1	4020.6	3712.3	3387.1	3027.6	2657.9	2314.3
45°	6711.6	6018.8	5325.3	4966.8	4582.6	4348.5	4155.5	3854.4	3493.9	3101.3	2690.2
42.5°	10970.8	8552.2	6945.2	6061.3	5263.1	4826.4	4434.8	4219.3	3926.0	3529.2	3101.3
40°	17115.2	14140.2	11275.9	8209.6	6646.2	5576.9	4974.5	4478.3	4240.7	3926.0	3493.9
37.5°	23838.3	20397.9	16911.2	13266.1	9773.4	7002.1	5809.6	5024.2	4478.3	4219.3	3854.4
35°	31122.8	27109.3	22949.8	18796.4	14548.2	10564.1	7121.6	5809.6	4974.5	4434.8	4155.5
32.5°	39229.1	34438.0	29340.6	24582.9	19750.8	15013.1	10564.1	7002.1	5576.9	4826.4	4348.5
30°	47588.7	42149.5	36467.3	30574.8	25132.1	19750.8	14548.2	9773.4	6646.2	5263.1	4582.6
27.5°	57542.7	49944.2	43642.3	37150.7	30574.8	24582.9	18796.4	13266.1	8209.6	6061.3	4966.8
25°	69746.9	59651.7	50958.9	43642.3	36467.3	29340.6	22949.8	16911.2	11275.9	6945.2	5325.3
22.5°	83575.4	71309.6	59651.7	49944.2	42149.5	34438.0	27109.3	20397.9	14140.2	8552.2	6018.8
20°	96346.7	83575.4	69746.9	57542.7	47588.7	39229.1	31122.8	23838.3	17115.2	10970.8	6711.6
17.5°	108174.2	94670.7	80370.3	65124.8	53405.0	43820.6	35165.0	27061.5	19799.0	13147.5	7333.8
15°	119170.2	104712.0	89729.1	73986.9	59204.4	47934.5	38760.3	29932.8	22248.5	15220.3	8935.0
12.5°	130107.4	113554.2	97946.3	81760.2	64754.8	52033.9	42005.5	32799.5	24522.0	17103.9	10455.6
10°	139996.2	121556.5	104838.3	88111.3	70746.1	55927.2	44751.0	35186.8	26411.1	18666.2	11714.8
7.5°	149542.4	128450.9	110347.5	93186.2	75514.3	59015.2	46922.7	37070.8	27899.1	19894.8	12703.7
5°	156634.6	133533.6	114385.6	96889.6	78981.9	61254.8	48494.1	38431.6	28972.4	20779.9	13415.3
2.5°	161011.0	136651.8	116852.5	99144.8	81088.3	62612.5	49445.4	39254.4	29620.6	21314.0	13844.5
0°	162491.3	137703.2	117682.4	99902.2	81794.8	63067.5	49763.9	39529.7	29837.4	21492.5	13987.9
-2.5°	161011.0	136651.8	116852.5	99144.8	81088.3	62612.5	49445.4	39254.4	29620.6	21314.0	13844.5
-5°	156634.6	133533.6	114385.6	96889.6	78981.9	61254.8	48494.1	38431.6	28972.4	20779.9	13415.3
-7.5°	149542.4	128450.9	110347.5	93186.2	75514.3	59015.2	46922.7	37070.8	27899.1	19894.8	12703.7
-10°	139996.2	121556.5	104838.3	88111.3	70746.1	55927.2	44751.0	35186.8	26411.1	18666.2	11714.8
-12.5°	130107.4	113554.2	97946.3	81760.2	64754.8	52033.9	42005.5	32799.5	24522.0	17103.9	10455.6
-15°	119170.2	104712.0	89729.1	73986.9	59204.4	47934.5	38760.3	29932.8	22248.5	15220.3	8935.0
-17.5°	108174.2	94670.7	80370.3	65124.8	53405.0	43820.6	35165.0	27061.5	19799.0	13147.5	7333.8
-20°	96346.7	83575.4	69746.9	57542.7	47588.7	39229.1	31122.8	23838.3	17115.2	10970.8	6711.6



REPORT NUMBER: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	83575.4	71309.6	59651.7	49944.2	42149.5	34438.0	27109.3	20397.9	14140.2	8552.2	6018.8
-25°	69746.9	59651.7	50958.9	43642.3	36467.3	29340.6	22949.8	16911.2	11275.9	6945.2	5325.3
-27.5°	57542.7	49944.2	43642.3	37150.7	30574.8	24582.9	18796.4	13266.1	8209.6	6061.3	4966.8
-30°	47588.7	42149.5	36467.3	30574.8	25132.1	19750.8	14548.2	9773.4	6646.2	5263.1	4582.6
-32.5°	39229.1	34438.0	29340.6	24582.9	19750.8	15013.1	10564.1	7002.1	5576.9	4826.4	4348.5
-35°	31122.8	27109.3	22949.8	18796.4	14548.2	10564.1	7121.6	5809.6	4974.5	4434.8	4155.5
-37.5°	23838.3	20397.9	16911.2	13266.1	9773.4	7002.1	5809.6	5024.2	4478.3	4219.3	3854.4
-40°	17115.2	14140.2	11275.9	8209.6	6646.2	5576.9	4974.5	4478.3	4240.7	3926.0	3493.9
-42.5°	10970.8	8552.2	6945.2	6061.3	5263.1	4826.4	4434.8	4219.3	3926.0	3529.2	3101.3
-45°	6711.6	6018.8	5325.3	4966.8	4582.6	4348.5	4155.5	3854.4	3493.9	3101.3	2690.2
-47.5°	5166.8	4887.5	4580.6	4381.3	4221.1	4020.6	3712.3	3387.1	3027.6	2657.9	2314.3
-50°	4435.7	4320.1	4192.8	4027.6	3773.4	3502.2	3202.5	2881.3	2561.5	2250.7	1948.6
-52.5°	4063.5	3881.4	3680.8	3462.5	3215.4	2948.1	2667.6	2402.4	2124.4	1870.5	1620.1
-55°	3444.2	3268.4	3072.2	2858.4	2634.7	2415.6	2182.8	1955.9	1741.5	1517.6	1322.4
-57.5°	2784.0	2629.1	2469.6	2295.5	2107.4	1929.9	1751.7	1563.4	1389.9	1216.9	1042.9
-60°	2182.8	2051.4	1929.9	1797.7	1654.8	1503.6	1367.2	1222.9	1071.2	943.1	810.3
-62.5°	1666.9	1567.8	1467.4	1367.2	1258.7	1142.3	1028.0	922.7	811.8	698.6	604.1
-65°	1228.0	1153.6	1071.2	998.1	919.8	835.6	745.8	663.6	585.4	503.3	421.8
-67.5°	863.5	810.3	751.4	691.9	637.3	578.7	516.1	449.6	396.2	346.7	295.0
-70°	569.5	533.0	492.5	448.1	409.9	375.1	337.9	298.4	256.7	224.0	195.3
-72.5°	348.6	327.3	303.7	277.8	249.6	228.0	207.8	186.2	163.5	139.6	119.7
-75°	199.1	187.8	175.2	161.4	146.4	130.2	118.8	109.3	99.3	88.8	77.7
-77.5°	106.6	101.7	96.3	90.4	84.0	77.1	69.6	63.5	60.3	56.9	53.4
-80°	58.9	57.4	55.8	54.0	52.0	49.9	47.7	45.3	42.7	40.3	37.9
-82.5°	37.9	37.0	35.9	34.8	33.6	32.3	30.9	29.4	27.8	26.1	24.4
-85°	20.2	19.8	19.2	18.6	18.0	17.3	16.5	15.7	14.9	14.0	13.1
-87.5°	6.3	6.2	6.1	5.9	5.8	5.7	5.5	5.3	5.1	4.9	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: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-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°	4.5	4.3	4.1	3.8	3.6	3.3	3.1	2.8	2.6	2.3	2.0
85°	12.1	11.1	10.0	9.0	7.8	6.7	6.2	5.7	5.1	4.6	4.0
82.5°	22.6	20.9	19.4	17.7	16.1	14.4	12.6	10.8	8.9	7.1	6.0
80°	35.5	33.0	30.3	27.6	24.8	22.0	19.6	17.2	14.8	12.3	9.7
77.5°	49.8	46.0	42.1	38.6	35.1	31.5	27.8	24.0	20.6	17.5	14.3
75°	66.2	60.6	55.9	51.0	46.0	40.9	36.5	32.0	27.4	22.7	18.8
72.5°	106.2	92.3	77.8	63.9	58.0	52.0	45.8	39.9	34.5	29.1	23.6
70°	165.5	134.5	113.4	96.3	78.8	63.1	56.1	48.9	41.6	35.4	29.1
67.5°	241.7	206.8	170.7	133.5	109.7	89.5	68.8	58.1	49.9	41.6	34.5
65°	361.9	299.8	238.2	196.9	154.4	117.8	94.9	71.5	58.1	48.9	39.9
62.5°	505.8	412.6	342.0	269.4	212.7	164.9	120.5	94.9	68.8	56.1	45.8
60°	680.7	569.5	454.9	367.6	286.3	218.0	164.9	117.8	89.5	63.1	52.0
57.5°	893.3	738.7	608.0	480.4	376.1	286.3	212.7	154.4	109.7	78.8	58.0
55°	1120.8	943.5	771.9	620.9	480.4	367.6	269.4	196.9	133.5	96.3	63.9
52.5°	1386.2	1163.1	960.3	771.9	608.0	454.9	342.0	238.2	170.7	113.4	77.8
50°	1671.8	1407.6	1163.1	943.5	738.7	569.5	412.6	299.8	206.8	134.5	92.3
47.5°	1974.8	1671.8	1386.2	1120.8	893.3	680.7	505.8	361.9	241.7	165.5	106.2
45°	2314.3	1948.6	1620.1	1322.4	1042.9	810.3	604.1	421.8	295.0	195.3	119.7
42.5°	2657.9	2250.7	1870.5	1517.6	1216.9	943.1	698.6	503.3	346.7	224.0	139.6
40°	3027.6	2561.5	2124.4	1741.5	1389.9	1071.2	811.8	585.4	396.2	256.7	163.5
37.5°	3387.1	2881.3	2402.4	1955.9	1563.4	1222.9	922.7	663.6	449.6	298.4	186.2
35°	3712.3	3202.5	2667.6	2182.8	1751.7	1367.2	1028.0	745.8	516.1	337.9	207.8
32.5°	4020.6	3502.2	2948.1	2415.6	1929.9	1503.6	1142.3	835.6	578.7	375.1	228.0
30°	4221.1	3773.4	3215.4	2634.7	2107.4	1654.8	1258.7	919.8	637.3	409.9	249.6
27.5°	4381.3	4027.6	3462.5	2858.4	2295.5	1797.7	1367.2	998.1	691.9	448.1	277.8
25°	4580.6	4192.8	3680.8	3072.2	2469.6	1929.9	1467.4	1071.2	751.4	492.5	303.7
22.5°	4887.5	4320.1	3881.4	3268.4	2629.1	2051.4	1567.8	1153.6	810.3	533.0	327.3
20°	5166.8	4435.7	4063.5	3444.2	2784.0	2182.8	1666.9	1228.0	863.5	569.5	348.6
17.5°	5469.9	4599.7	4170.7	3593.3	2929.0	2300.0	1755.0	1294.2	910.7	601.9	367.6
15°	5975.0	4802.3	4254.1	3724.0	3055.8	2402.4	1832.0	1352.0	951.9	630.2	384.1
12.5°	6407.7	4975.7	4325.4	3835.5	3164.0	2489.6	1897.6	1401.2	987.0	654.3	398.1
10°	6765.5	5118.9	4384.3	3927.4	3253.2	2561.5	1951.6	1441.6	1015.8	674.1	409.6
7.5°	7046.2	5231.1	4430.3	3999.4	3322.9	2617.6	1993.7	1473.2	1038.3	689.5	418.6
5°	7248.0	5311.7	4463.4	4051.0	3372.9	2657.9	2024.0	1495.8	1054.5	700.5	425.0
2.5°	7369.7	5360.3	4483.3	4082.1	3403.0	2682.1	2042.1	1509.5	1064.2	707.2	428.9
0°	7410.3	5376.5	4490.0	4092.5	3413.0	2690.2	2048.2	1514.0	1067.4	709.4	430.2
-2.5°	7369.7	5360.3	4483.3	4082.1	3403.0	2682.1	2042.1	1509.5	1064.2	707.2	428.9
-5°	7248.0	5311.7	4463.4	4051.0	3372.9	2657.9	2024.0	1495.8	1054.5	700.5	425.0
-7.5°	7046.2	5231.1	4430.3	3999.4	3322.9	2617.6	1993.7	1473.2	1038.3	689.5	418.6
-10°	6765.5	5118.9	4384.3	3927.4	3253.2	2561.5	1951.6	1441.6	1015.8	674.1	409.6
-12.5°	6407.7	4975.7	4325.4	3835.5	3164.0	2489.6	1897.6	1401.2	987.0	654.3	398.1
-15°	5975.0	4802.3	4254.1	3724.0	3055.8	2402.4	1832.0	1352.0	951.9	630.2	384.1
-17.5°	5469.9	4599.7	4170.7	3593.3	2929.0	2300.0	1755.0	1294.2	910.7	601.9	367.6
-20°	5166.8	4435.7	4063.5	3444.2	2784.0	2182.8	1666.9	1228.0	863.5	569.5	348.6



REPORT NUMBER: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4887.5	4320.1	3881.4	3268.4	2629.1	2051.4	1567.8	1153.6	810.3	533.0	327.3
-25°	4580.6	4192.8	3680.8	3072.2	2469.6	1929.9	1467.4	1071.2	751.4	492.5	303.7
-27.5°	4381.3	4027.6	3462.5	2858.4	2295.5	1797.7	1367.2	998.1	691.9	448.1	277.8
-30°	4221.1	3773.4	3215.4	2634.7	2107.4	1654.8	1258.7	919.8	637.3	409.9	249.6
-32.5°	4020.6	3502.2	2948.1	2415.6	1929.9	1503.6	1142.3	835.6	578.7	375.1	228.0
-35°	3712.3	3202.5	2667.6	2182.8	1751.7	1367.2	1028.0	745.8	516.1	337.9	207.8
-37.5°	3387.1	2881.3	2402.4	1955.9	1563.4	1222.9	922.7	663.6	449.6	298.4	186.2
-40°	3027.6	2561.5	2124.4	1741.5	1389.9	1071.2	811.8	585.4	396.2	256.7	163.5
-42.5°	2657.9	2250.7	1870.5	1517.6	1216.9	943.1	698.6	503.3	346.7	224.0	139.6
-45°	2314.3	1948.6	1620.1	1322.4	1042.9	810.3	604.1	421.8	295.0	195.3	119.7
-47.5°	1974.8	1671.8	1386.2	1120.8	893.3	680.7	505.8	361.9	241.7	165.5	106.2
-50°	1671.8	1407.6	1163.1	943.5	738.7	569.5	412.6	299.8	206.8	134.5	92.3
-52.5°	1386.2	1163.1	960.3	771.9	608.0	454.9	342.0	238.2	170.7	113.4	77.8
-55°	1120.8	943.5	771.9	620.9	480.4	367.6	269.4	196.9	133.5	96.3	63.9
-57.5°	893.3	738.7	608.0	480.4	376.1	286.3	212.7	154.4	109.7	78.8	58.0
-60°	680.7	569.5	454.9	367.6	286.3	218.0	164.9	117.8	89.5	63.1	52.0
-62.5°	505.8	412.6	342.0	269.4	212.7	164.9	120.5	94.9	68.8	56.1	45.8
-65°	361.9	299.8	238.2	196.9	154.4	117.8	94.9	71.5	58.1	48.9	39.9
-67.5°	241.7	206.8	170.7	133.5	109.7	89.5	68.8	58.1	49.9	41.6	34.5
-70°	165.5	134.5	113.4	96.3	78.8	63.1	56.1	48.9	41.6	35.4	29.1
-72.5°	106.2	92.3	77.8	63.9	58.0	52.0	45.8	39.9	34.5	29.1	23.6
-75°	66.2	60.6	55.9	51.0	46.0	40.9	36.5	32.0	27.4	22.7	18.8
-77.5°	49.8	46.0	42.1	38.6	35.1	31.5	27.8	24.0	20.6	17.5	14.3
-80°	35.5	33.0	30.3	27.6	24.8	22.0	19.6	17.2	14.8	12.3	9.7
-82.5°	22.6	20.9	19.4	17.7	16.1	14.4	12.6	10.8	8.9	7.1	6.0
-85°	12.1	11.1	10.0	9.0	7.8	6.7	6.2	5.7	5.1	4.6	4.0
-87.5°	4.5	4.3	4.1	3.8	3.6	3.3	3.1	2.8	2.6	2.3	2.0
-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: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-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°	1.7	1.4	1.2	0.9	0.6	0.3	0.0
85°	3.5	2.9	2.3	1.7	1.2	0.6	0.0
82.5°	5.2	4.3	3.5	2.6	1.7	0.9	0.0
80°	7.2	5.8	4.6	3.5	2.3	1.2	0.0
77.5°	11.1	7.8	5.8	4.3	2.9	1.4	0.0
75°	15.0	11.1	7.2	5.2	3.5	1.7	0.0
72.5°	18.8	14.3	9.7	6.0	4.0	2.0	0.0
70°	22.7	17.5	12.3	7.1	4.6	2.3	0.0
67.5°	27.4	20.6	14.8	8.9	5.1	2.6	0.0
65°	32.0	24.0	17.2	10.8	5.7	2.8	0.0
62.5°	36.5	27.8	19.6	12.6	6.2	3.1	0.0
60°	40.9	31.5	22.0	14.4	6.7	3.3	0.0
57.5°	46.0	35.1	24.8	16.1	7.8	3.6	0.0
55°	51.0	38.6	27.6	17.7	9.0	3.8	0.0
52.5°	55.9	42.1	30.3	19.4	10.0	4.1	0.0
50°	60.6	46.0	33.0	20.9	11.1	4.3	0.0
47.5°	66.2	49.8	35.5	22.6	12.1	4.5	0.0
45°	77.7	53.4	37.9	24.4	13.1	4.7	0.0
42.5°	88.8	56.9	40.3	26.1	14.0	4.9	0.0
40°	99.3	60.3	42.7	27.8	14.9	5.1	0.0
37.5°	109.3	63.5	45.3	29.4	15.7	5.3	0.0
35°	118.8	69.6	47.7	30.9	16.5	5.5	0.0
32.5°	130.2	77.1	49.9	32.3	17.3	5.7	0.0
30°	146.4	84.0	52.0	33.6	18.0	5.8	0.0
27.5°	161.4	90.4	54.0	34.8	18.6	5.9	0.0
25°	175.2	96.3	55.8	35.9	19.2	6.1	0.0
22.5°	187.8	101.7	57.4	37.0	19.8	6.2	0.0
20°	199.1	106.6	58.9	37.9	20.2	6.3	0.0
17.5°	209.2	110.9	60.2	38.7	20.7	6.4	0.0
15°	218.0	114.6	61.3	39.4	21.0	6.5	0.0
12.5°	225.4	117.8	62.3	40.0	21.4	6.5	0.0
10°	231.6	120.4	63.1	40.5	21.6	6.6	0.0
7.5°	236.3	122.5	63.7	40.9	21.8	6.6	0.0
5°	239.8	123.9	64.1	41.2	22.0	6.7	0.0
2.5°	241.8	124.8	64.4	41.3	22.1	6.7	0.0
0°	242.5	125.1	64.5	41.4	22.1	6.7	0.0
-2.5°	241.8	124.8	64.4	41.3	22.1	6.7	0.0
-5°	239.8	123.9	64.1	41.2	22.0	6.7	0.0
-7.5°	236.3	122.5	63.7	40.9	21.8	6.6	0.0
-10°	231.6	120.4	63.1	40.5	21.6	6.6	0.0
-12.5°	225.4	117.8	62.3	40.0	21.4	6.5	0.0
-15°	218.0	114.6	61.3	39.4	21.0	6.5	0.0
-17.5°	209.2	110.9	60.2	38.7	20.7	6.4	0.0
-20°	199.1	106.6	58.9	37.9	20.2	6.3	0.0



REPORT NUMBER: P699958 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-40-80-5S-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	187.8	101.7	57.4	37.0	19.8	6.2	0.0
-25°	175.2	96.3	55.8	35.9	19.2	6.1	0.0
-27.5°	161.4	90.4	54.0	34.8	18.6	5.9	0.0
-30°	146.4	84.0	52.0	33.6	18.0	5.8	0.0
-32.5°	130.2	77.1	49.9	32.3	17.3	5.7	0.0
-35°	118.8	69.6	47.7	30.9	16.5	5.5	0.0
-37.5°	109.3	63.5	45.3	29.4	15.7	5.3	0.0
-40°	99.3	60.3	42.7	27.8	14.9	5.1	0.0
-42.5°	88.8	56.9	40.3	26.1	14.0	4.9	0.0
-45°	77.7	53.4	37.9	24.4	13.1	4.7	0.0
-47.5°	66.2	49.8	35.5	22.6	12.1	4.5	0.0
-50°	60.6	46.0	33.0	20.9	11.1	4.3	0.0
-52.5°	55.9	42.1	30.3	19.4	10.0	4.1	0.0
-55°	51.0	38.6	27.6	17.7	9.0	3.8	0.0
-57.5°	46.0	35.1	24.8	16.1	7.8	3.6	0.0
-60°	40.9	31.5	22.0	14.4	6.7	3.3	0.0
-62.5°	36.5	27.8	19.6	12.6	6.2	3.1	0.0
-65°	32.0	24.0	17.2	10.8	5.7	2.8	0.0
-67.5°	27.4	20.6	14.8	8.9	5.1	2.6	0.0
-70°	22.7	17.5	12.3	7.1	4.6	2.3	0.0
-72.5°	18.8	14.3	9.7	6.0	4.0	2.0	0.0
-75°	15.0	11.1	7.2	5.2	3.5	1.7	0.0
-77.5°	11.1	7.8	5.8	4.3	2.9	1.4	0.0
-80°	7.2	5.8	4.6	3.5	2.3	1.2	0.0
-82.5°	5.2	4.3	3.5	2.6	1.7	0.9	0.0
-85°	3.5	2.9	2.3	1.7	1.2	0.6	0.0
-87.5°	1.7	1.4	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)