

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: P699987 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-57-70-1S-S**

Issue Date: 8/10/2023

Test Information

Test Method: LM-79-08
Report Number: P699987 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-46)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS16-1200R-57-70-1S-S
Description: EPHESUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 70 CRI LEDS AND 1S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

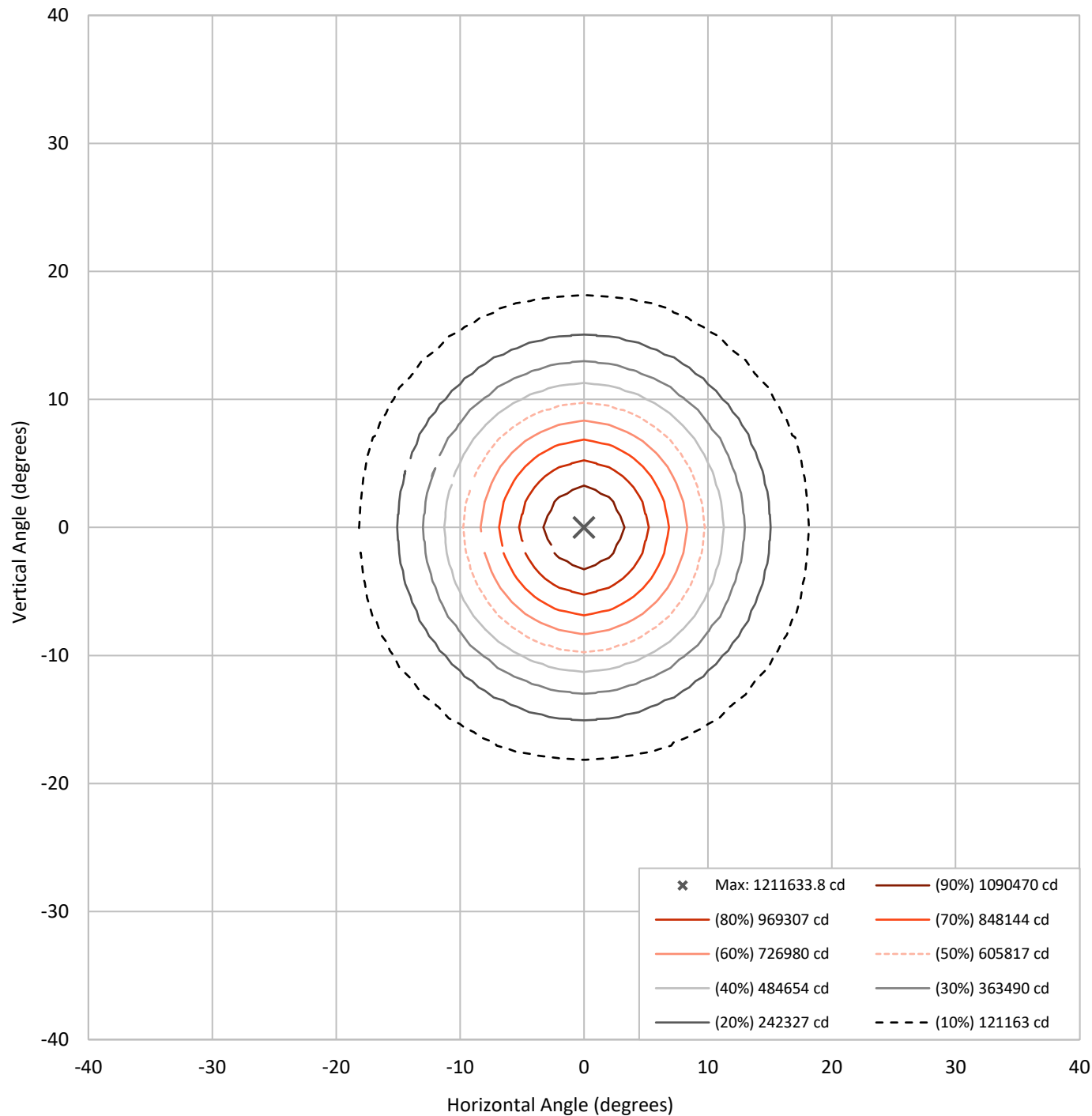
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	184410.6 lumens	Max Intensity:	1211633.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	143.1 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	19.5°H x 19.5°V	Field Angle (10%):	36.3°H x 36.3°V
Beam Lumens:	82156.4 lumens	Field Lumens:	142786.7 lumens
Beam Efficiency:	44.6%	Field Efficiency:	77.4%

Input Watts (W): 1288.4
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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CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-S

Iso-Candela Plot



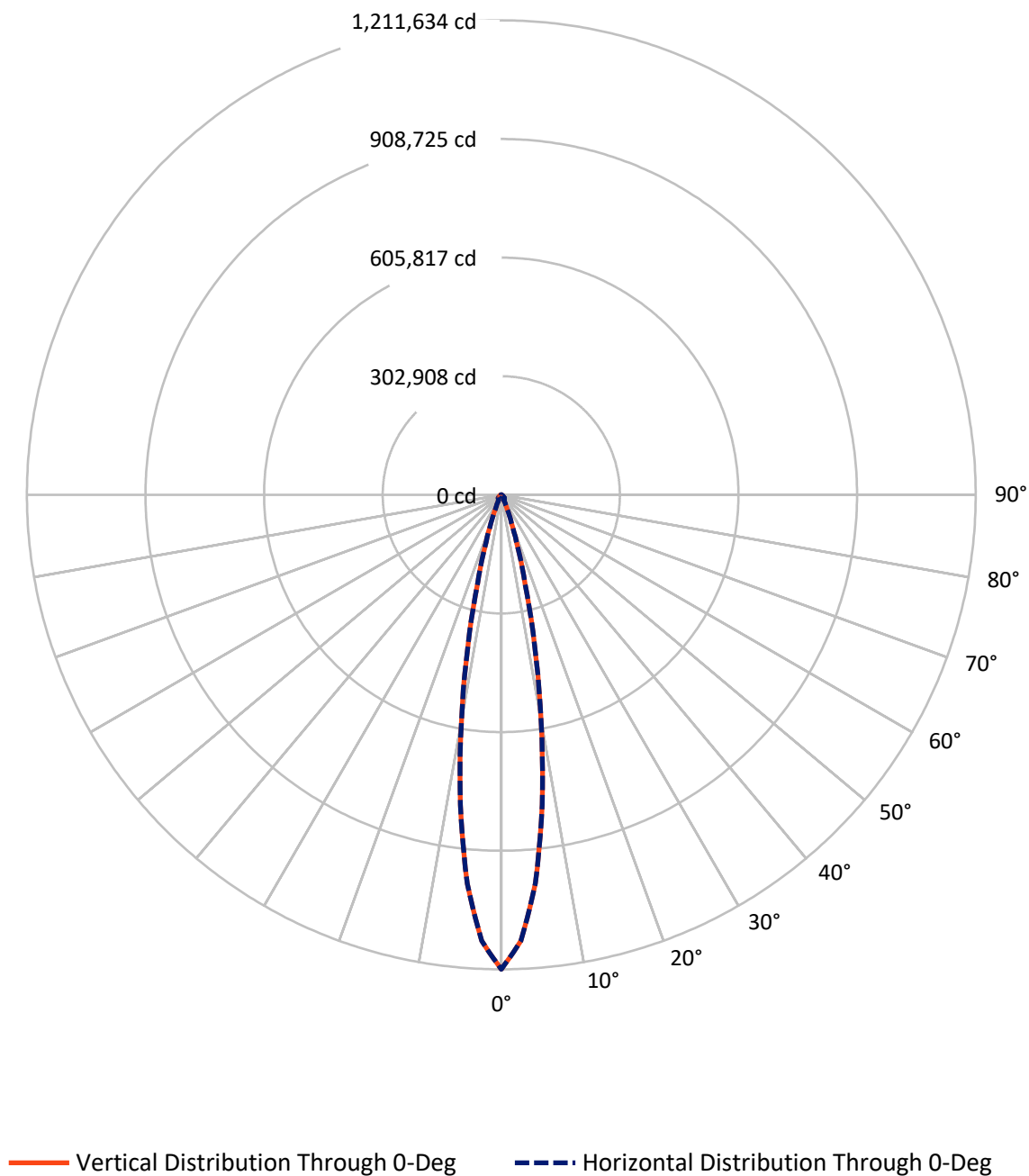
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Lumen Table

90	0.3		2.2		7.9		19.2		24.9		19.2		7.9		2.2		0.3	
80																		
70	1.0	1.2	4.7	13.2	25.4	38.5	49.6	55.8	55.8	49.6	38.5	25.4	13.2	4.7	1.2	1.0		
60		3.6	15.0	35.6	61.5	85.9	103.7	113.4	113.4	103.7	85.9	61.5	35.6	15.0	3.6			
50	2.6	8.1	29.1	61.9	96.7	160.4	242.0	287.3	287.3	242.0	160.4	96.7	61.9	29.1	8.1	2.6		
40		13.5	43.5	83.7	187.7	312.2	361.9	382.0	382.0	361.9	312.2	187.7	83.7	43.5	13.5			
30	5.5	18.5	54.9	126.5	282.5	350.2	468.9	809.6	809.6	468.9	350.2	282.5	126.5	54.9	18.5	5.5		
20		22.4	62.1	179.4	307.1	441.1	2120.4	6737.8	6737.8	2120.4	441.1	307.1	179.4	62.1	22.4			
10	6.9	24.4	65.8	206.1	314.3	744.2	6570.6	23264.4	23264.4	6570.6	744.2	314.3	206.1	65.8	24.4	6.9		
0		24.4	65.8	206.1	314.3	744.2	6570.6	23264.4	23264.4	6570.6	744.2	314.3	206.1	65.8	24.4			
-10	5.5	22.4	62.1	179.4	307.1	441.1	2120.4	6737.8	6737.8	2120.4	441.1	307.1	179.4	62.1	22.4	5.5		
-20		18.5	54.9	126.5	282.5	350.2	468.9	809.6	809.6	468.9	350.2	282.5	126.5	54.9	18.5			
-30	2.6	13.5	43.5	83.7	187.7	312.2	361.9	382.0	382.0	361.9	312.2	187.7	83.7	43.5	13.5	2.6		
-40		8.1	29.1	61.9	96.7	160.4	242.0	287.3	287.3	242.0	160.4	96.7	61.9	29.1	8.1			
-50	1.0	3.6	15.0	35.6	61.5	85.9	103.7	113.4	113.4	103.7	85.9	61.5	35.6	15.0	3.6	1.0		
-60		1.2	4.7	13.2	25.4	38.5	49.6	55.8	55.8	49.6	38.5	25.4	13.2	4.7	1.2			
-70	0.3		2.2		7.9		19.2		24.9		19.2		7.9		2.2		0.3	
-80																		
-90																		

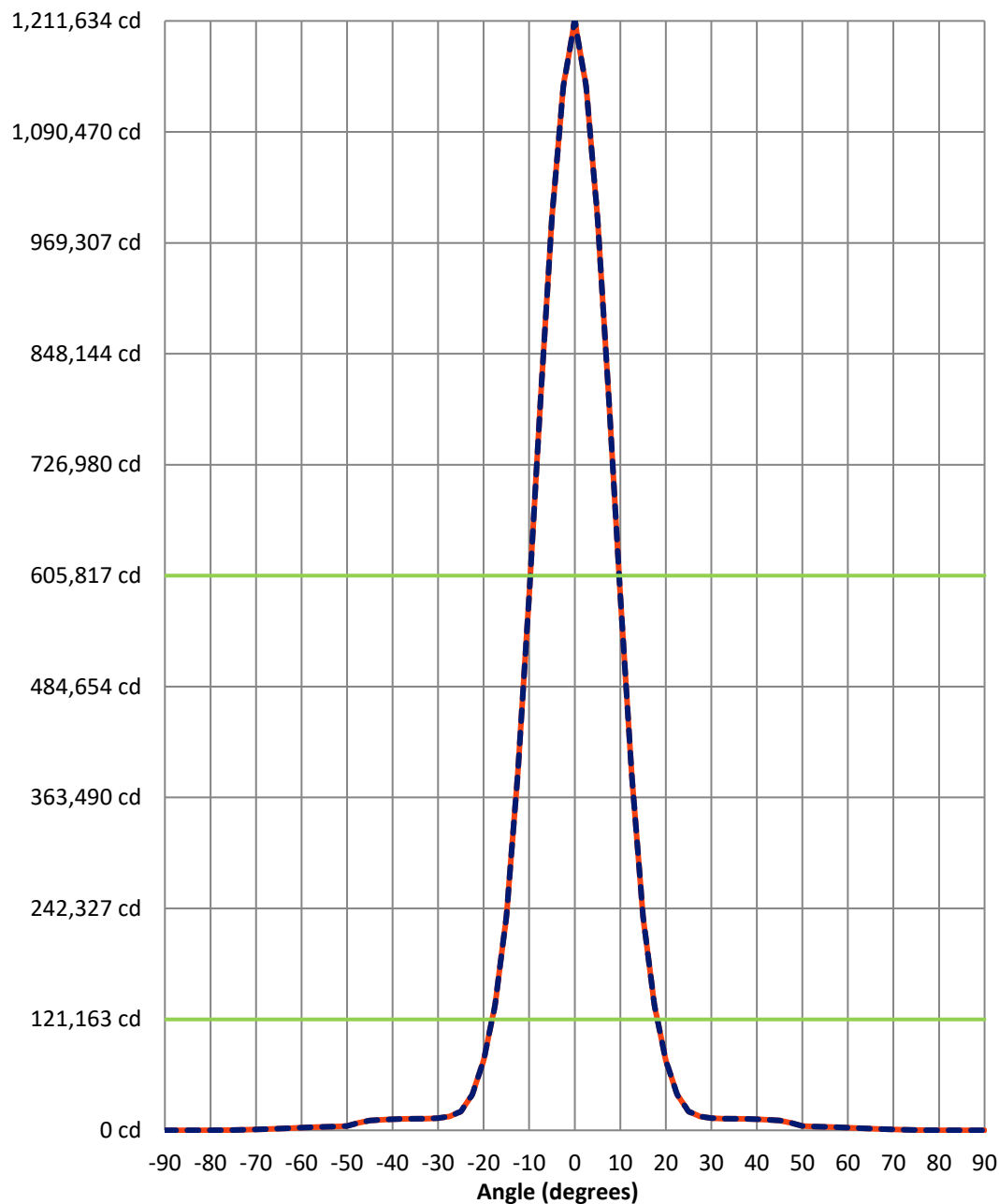
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 19.5°
V Angle: 19.5°
Lumens: 82156.4
Efficiency: 44.6%

Field:
H Angle: 36.3°
V Angle: 36.3°
Lumens: 142786.7
Efficiency: 77.4%

Spill:
Lumens: 41623.9
Efficiency: 22.6%

— 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	0.9	1.8	2.6	3.5	4.4	5.3	6.1	6.9	7.8	8.6
85°	0.0	1.8	3.5	5.3	7.0	8.8	10.5	12.2	13.9	15.5	17.1
82.5°	0.0	2.6	5.3	7.9	10.5	13.1	15.7	18.3	20.5	21.8	23.0
80°	0.0	3.5	7.0	10.5	14.0	17.5	20.6	22.3	24.0	25.6	27.2
77.5°	0.0	4.4	8.8	13.1	17.5	21.0	23.2	25.3	27.4	29.4	32.4
75°	0.0	5.3	10.5	15.7	20.6	23.2	25.7	28.2	31.0	36.0	40.8
72.5°	0.0	6.1	12.2	18.3	22.3	25.3	28.2	31.9	37.7	43.5	49.1
70°	0.0	6.9	13.9	20.5	24.0	27.4	31.0	37.7	44.3	50.9	57.3
67.5°	0.0	7.8	15.5	21.8	25.6	29.4	36.0	43.5	50.9	58.2	65.4
65°	0.0	8.6	17.1	23.0	27.2	32.4	40.8	49.1	57.3	65.4	78.0
62.5°	0.0	9.4	18.7	24.2	28.8	36.4	45.5	54.6	63.6	75.3	101.5
60°	0.0	10.1	20.3	25.3	30.3	40.2	50.2	60.0	69.8	96.1	124.6
57.5°	0.0	10.9	21.0	26.4	33.3	44.0	54.7	65.3	85.4	116.4	175.0
55°	0.0	11.6	21.8	27.5	36.2	47.7	59.1	70.4	103.0	144.3	237.3
52.5°	0.0	12.4	22.5	28.6	39.1	51.3	63.4	84.3	120.1	198.9	298.0
50°	0.0	13.0	23.2	29.6	41.8	54.7	67.6	98.9	145.7	251.9	390.9
47.5°	0.0	13.7	23.8	30.9	44.5	58.1	72.7	112.9	191.2	303.1	484.9
45°	0.0	14.4	24.5	32.8	47.1	61.3	84.3	126.5	235.0	383.8	575.5
42.5°	0.0	15.0	25.1	34.6	49.5	64.4	95.4	153.2	277.1	462.0	681.3
40°	0.0	15.5	25.7	36.4	51.9	67.3	106.0	188.3	325.8	536.8	785.7
37.5°	0.0	16.1	26.2	38.1	54.1	70.1	116.0	221.7	388.8	613.0	885.2
35°	0.0	16.6	26.7	39.6	56.2	76.2	125.6	253.3	448.6	697.5	985.7
32.5°	0.0	17.1	27.2	41.1	58.2	83.6	139.4	283.0	504.9	777.1	1090.0
30°	0.0	17.6	27.7	42.5	60.0	90.6	163.1	315.1	557.6	851.7	1187.8
27.5°	0.0	18.0	28.1	43.8	61.7	97.0	185.1	357.7	611.1	921.1	1278.8
25°	0.0	18.4	28.5	45.0	63.3	103.0	205.4	396.9	667.5	992.2	1363.3
22.5°	0.0	18.8	28.9	46.0	64.8	108.4	223.9	432.7	719.0	1060.7	1451.3
20°	0.0	19.1	29.2	47.0	66.1	113.3	240.6	464.9	765.5	1122.4	1530.8
17.5°	0.0	19.4	29.5	47.9	67.2	117.6	255.4	493.5	806.7	1177.3	1601.4
15°	0.0	19.6	29.7	48.6	68.2	121.4	268.3	518.5	842.7	1225.2	1663.1
12.5°	0.0	19.8	29.9	49.2	69.1	124.6	279.2	539.7	873.3	1265.9	1715.6
10°	0.0	20.0	30.1	49.8	69.8	127.2	288.2	557.1	898.4	1299.4	1758.8
7.5°	0.0	20.1	30.2	50.2	70.3	129.3	295.2	570.8	918.1	1325.5	1792.5
5°	0.0	20.2	30.3	50.5	70.7	130.7	300.3	580.5	932.1	1344.3	1816.7
2.5°	0.0	20.3	30.4	50.6	70.9	131.6	303.3	586.3	940.6	1355.5	1831.3
0°	0.0	20.3	30.4	50.7	71.0	131.9	304.3	588.3	943.4	1359.3	1836.1
-2.5°	0.0	20.3	30.4	50.6	70.9	131.6	303.3	586.3	940.6	1355.5	1831.3
-5°	0.0	20.2	30.3	50.5	70.7	130.7	300.3	580.5	932.1	1344.3	1816.7
-7.5°	0.0	20.1	30.2	50.2	70.3	129.3	295.2	570.8	918.1	1325.5	1792.5
-10°	0.0	20.0	30.1	49.8	69.8	127.2	288.2	557.1	898.4	1299.4	1758.8
-12.5°	0.0	19.8	29.9	49.2	69.1	124.6	279.2	539.7	873.3	1265.9	1715.6
-15°	0.0	19.6	29.7	48.6	68.2	121.4	268.3	518.5	842.7	1225.2	1663.1
-17.5°	0.0	19.4	29.5	47.9	67.2	117.6	255.4	493.5	806.7	1177.3	1601.4
-20°	0.0	19.1	29.2	47.0	66.1	113.3	240.6	464.9	765.5	1122.4	1530.8

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CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	18.8	28.9	46.0	64.8	108.4	223.9	432.7	719.0	1060.7	1451.3
-25°	0.0	18.4	28.5	45.0	63.3	103.0	205.4	396.9	667.5	992.2	1363.3
-27.5°	0.0	18.0	28.1	43.8	61.7	97.0	185.1	357.7	611.1	921.1	1278.8
-30°	0.0	17.6	27.7	42.5	60.0	90.6	163.1	315.1	557.6	851.7	1187.8
-32.5°	0.0	17.1	27.2	41.1	58.2	83.6	139.4	283.0	504.9	777.1	1090.0
-35°	0.0	16.6	26.7	39.6	56.2	76.2	125.6	253.3	448.6	697.5	985.7
-37.5°	0.0	16.1	26.2	38.1	54.1	70.1	116.0	221.7	388.8	613.0	885.2
-40°	0.0	15.5	25.7	36.4	51.9	67.3	106.0	188.3	325.8	536.8	785.7
-42.5°	0.0	15.0	25.1	34.6	49.5	64.4	95.4	153.2	277.1	462.0	681.3
-45°	0.0	14.4	24.5	32.8	47.1	61.3	84.3	126.5	235.0	383.8	575.5
-47.5°	0.0	13.7	23.8	30.9	44.5	58.1	72.7	112.9	191.2	303.1	484.9
-50°	0.0	13.0	23.2	29.6	41.8	54.7	67.6	98.9	145.7	251.9	390.9
-52.5°	0.0	12.4	22.5	28.6	39.1	51.3	63.4	84.3	120.1	198.9	298.0
-55°	0.0	11.6	21.8	27.5	36.2	47.7	59.1	70.4	103.0	144.3	237.3
-57.5°	0.0	10.9	21.0	26.4	33.3	44.0	54.7	65.3	85.4	116.4	175.0
-60°	0.0	10.1	20.3	25.3	30.3	40.2	50.2	60.0	69.8	96.1	124.6
-62.5°	0.0	9.4	18.7	24.2	28.8	36.4	45.5	54.6	63.6	75.3	101.5
-65°	0.0	8.6	17.1	23.0	27.2	32.4	40.8	49.1	57.3	65.4	78.0
-67.5°	0.0	7.8	15.5	21.8	25.6	29.4	36.0	43.5	50.9	58.2	65.4
-70°	0.0	6.9	13.9	20.5	24.0	27.4	31.0	37.7	44.3	50.9	57.3
-72.5°	0.0	6.1	12.2	18.3	22.3	25.3	28.2	31.9	37.7	43.5	49.1
-75°	0.0	5.3	10.5	15.7	20.6	23.2	25.7	28.2	31.0	36.0	40.8
-77.5°	0.0	4.4	8.8	13.1	17.5	21.0	23.2	25.3	27.4	29.4	32.4
-80°	0.0	3.5	7.0	10.5	14.0	17.5	20.6	22.3	24.0	25.6	27.2
-82.5°	0.0	2.6	5.3	7.9	10.5	13.1	15.7	18.3	20.5	21.8	23.0
-85°	0.0	1.8	3.5	5.3	7.0	8.8	10.5	12.2	13.9	15.5	17.1
-87.5°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.1	6.9	7.8	8.6
-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: P699987 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-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°	9.4	10.1	10.9	11.6	12.4	13.0	13.7	14.4	15.0	15.5	16.1
85°	18.7	20.3	21.0	21.8	22.5	23.2	23.8	24.5	25.1	25.7	26.2
82.5°	24.2	25.3	26.4	27.5	28.6	29.6	30.9	32.8	34.6	36.4	38.1
80°	28.8	30.3	33.3	36.2	39.1	41.8	44.5	47.1	49.5	51.9	54.1
77.5°	36.4	40.2	44.0	47.7	51.3	54.7	58.1	61.3	64.4	67.3	70.1
75°	45.5	50.2	54.7	59.1	63.4	67.6	72.7	84.3	95.4	106.0	116.0
72.5°	54.6	60.0	65.3	70.4	84.3	98.9	112.9	126.5	153.2	188.3	221.7
70°	63.6	69.8	85.4	103.0	120.1	145.7	191.2	235.0	277.1	325.8	388.8
67.5°	75.3	96.1	116.4	144.3	198.9	251.9	303.1	383.8	462.0	536.8	613.0
65°	101.5	124.6	175.0	237.3	298.0	390.9	484.9	575.5	681.3	785.7	885.2
62.5°	127.3	190.4	260.5	345.0	454.9	561.7	684.5	809.4	929.7	1062.3	1191.2
60°	190.4	268.3	370.6	493.5	619.7	765.5	906.8	1060.7	1214.8	1363.3	1525.3
57.5°	260.5	370.6	506.5	652.2	814.4	977.4	1157.0	1330.9	1518.9	1703.6	1883.9
55°	345.0	493.5	652.2	830.8	1016.0	1215.4	1416.4	1631.5	1839.6	2056.4	2264.0
52.5°	454.9	619.7	814.4	1016.0	1234.9	1461.5	1699.7	1938.9	2181.3	2417.2	2650.0
50°	561.7	765.5	977.4	1215.4	1461.5	1722.5	1988.9	2257.0	2523.0	2783.2	3030.5
47.5°	684.5	906.8	1157.0	1416.4	1699.7	1988.9	2282.3	2576.2	2863.9	3137.2	3399.6
45°	809.4	1060.7	1330.9	1631.5	1938.9	2257.0	2576.2	2891.0	3191.0	3462.0	3655.7
42.5°	929.7	1214.8	1518.9	1839.6	2181.3	2523.0	2863.9	3191.0	3481.0	3694.2	3887.2
40°	1062.3	1363.3	1703.6	2056.4	2417.2	2783.2	3137.2	3462.0	3694.2	3904.7	4098.8
37.5°	1191.2	1525.3	1883.9	2264.0	2650.0	3030.5	3399.6	3655.7	3887.2	4098.8	4475.1
35°	1313.5	1679.4	2066.2	2466.1	2872.1	3264.9	3579.4	3835.2	4063.2	4440.9	5447.0
32.5°	1439.3	1825.0	2238.8	2661.0	3079.3	3466.4	3745.0	3992.8	4339.2	5054.8	7457.4
30°	1563.6	1972.4	2403.0	2844.6	3274.3	3612.2	3888.7	4171.9	4639.0	6857.5	9071.3
27.5°	1679.4	2110.8	2560.5	3013.8	3445.1	3748.8	4019.6	4435.6	5871.4	8458.7	10439.5
25°	1786.3	2238.8	2706.3	3169.8	3562.5	3865.6	4170.5	4681.8	7361.5	9659.9	11018.5
22.5°	1888.2	2356.1	2839.8	3312.9	3670.3	3969.5	4381.2	5799.6	8592.9	10737.6	11371.9
20°	1984.1	2466.1	2959.5	3435.2	3768.1	4064.0	4572.9	6967.7	9540.3	11039.2	11662.6
17.5°	2069.5	2564.2	3065.3	3515.4	3847.6	4183.6	4874.4	8016.7	10393.0	11311.2	11909.4
15°	2144.1	2650.0	3157.8	3585.6	3915.7	4322.7	5725.8	8742.9	10847.1	11540.8	12125.9
12.5°	2207.6	2723.0	3236.8	3645.6	3973.9	4441.7	6455.3	9338.5	11038.1	11714.9	12242.9
10°	2259.8	2783.2	3301.8	3695.0	4022.0	4540.0	7058.5	9831.8	11196.4	11859.6	12340.3
7.5°	2300.7	2830.2	3352.7	3733.7	4059.6	4617.1	7531.8	10219.1	11320.9	11973.6	12417.2
5°	2329.9	2863.9	3389.2	3761.4	4086.6	4672.4	7872.0	10497.9	11410.7	12055.8	12472.8
2.5°	2347.5	2884.2	3411.2	3778.1	4102.9	4705.8	8077.1	10666.0	11464.8	12105.4	12506.4
0°	2353.4	2891.0	3418.5	3783.7	4108.3	4716.9	8145.6	10722.2	11482.9	12122.0	12517.6
-2.5°	2347.5	2884.2	3411.2	3778.1	4102.9	4705.8	8077.1	10666.0	11464.8	12105.4	12506.4
-5°	2329.9	2863.9	3389.2	3761.4	4086.6	4672.4	7872.0	10497.9	11410.7	12055.8	12472.8
-7.5°	2300.7	2830.2	3352.7	3733.7	4059.6	4617.1	7531.8	10219.1	11320.9	11973.6	12417.2
-10°	2259.8	2783.2	3301.8	3695.0	4022.0	4540.0	7058.5	9831.8	11196.4	11859.6	12340.3
-12.5°	2207.6	2723.0	3236.8	3645.6	3973.9	4441.7	6455.3	9338.5	11038.1	11714.9	12242.9
-15°	2144.1	2650.0	3157.8	3585.6	3915.7	4322.7	5725.8	8742.9	10847.1	11540.8	12125.9
-17.5°	2069.5	2564.2	3065.3	3515.4	3847.6	4183.6	4874.4	8016.7	10393.0	11311.2	11909.4
-20°	1984.1	2466.1	2959.5	3435.2	3768.1	4064.0	4572.9	6967.7	9540.3	11039.2	11662.6

REPORT NUMBER: P699987 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1888.2	2356.1	2839.8	3312.9	3670.3	3969.5	4381.2	5799.6	8592.9	10737.6	11371.9
-25°	1786.3	2238.8	2706.3	3169.8	3562.5	3865.6	4170.5	4681.8	7361.5	9659.9	11018.5
-27.5°	1679.4	2110.8	2560.5	3013.8	3445.1	3748.8	4019.6	4435.6	5871.4	8458.7	10439.5
-30°	1563.6	1972.4	2403.0	2844.6	3274.3	3612.2	3888.7	4171.9	4639.0	6857.5	9071.3
-32.5°	1439.3	1825.0	2238.8	2661.0	3079.3	3466.4	3745.0	3992.8	4339.2	5054.8	7457.4
-35°	1313.5	1679.4	2066.2	2466.1	2872.1	3264.9	3579.4	3835.2	4063.2	4440.9	5447.0
-37.5°	1191.2	1525.3	1883.9	2264.0	2650.0	3030.5	3399.6	3655.7	3887.2	4098.8	4475.1
-40°	1062.3	1363.3	1703.6	2056.4	2417.2	2783.2	3137.2	3462.0	3694.2	3904.7	4098.8
-42.5°	929.7	1214.8	1518.9	1839.6	2181.3	2523.0	2863.9	3191.0	3481.0	3694.2	3887.2
-45°	809.4	1060.7	1330.9	1631.5	1938.9	2257.0	2576.2	2891.0	3191.0	3462.0	3655.7
-47.5°	684.5	906.8	1157.0	1416.4	1699.7	1988.9	2282.3	2576.2	2863.9	3137.2	3399.6
-50°	561.7	765.5	977.4	1215.4	1461.5	1722.5	1988.9	2257.0	2523.0	2783.2	3030.5
-52.5°	454.9	619.7	814.4	1016.0	1234.9	1461.5	1699.7	1938.9	2181.3	2417.2	2650.0
-55°	345.0	493.5	652.2	830.8	1016.0	1215.4	1416.4	1631.5	1839.6	2056.4	2264.0
-57.5°	260.5	370.6	506.5	652.2	814.4	977.4	1157.0	1330.9	1518.9	1703.6	1883.9
-60°	190.4	268.3	370.6	493.5	619.7	765.5	906.8	1060.7	1214.8	1363.3	1525.3
-62.5°	127.3	190.4	260.5	345.0	454.9	561.7	684.5	809.4	929.7	1062.3	1191.2
-65°	101.5	124.6	175.0	237.3	298.0	390.9	484.9	575.5	681.3	785.7	885.2
-67.5°	75.3	96.1	116.4	144.3	198.9	251.9	303.1	383.8	462.0	536.8	613.0
-70°	63.6	69.8	85.4	103.0	120.1	145.7	191.2	235.0	277.1	325.8	388.8
-72.5°	54.6	60.0	65.3	70.4	84.3	98.9	112.9	126.5	153.2	188.3	221.7
-75°	45.5	50.2	54.7	59.1	63.4	67.6	72.7	84.3	95.4	106.0	116.0
-77.5°	36.4	40.2	44.0	47.7	51.3	54.7	58.1	61.3	64.4	67.3	70.1
-80°	28.8	30.3	33.3	36.2	39.1	41.8	44.5	47.1	49.5	51.9	54.1
-82.5°	24.2	25.3	26.4	27.5	28.6	29.6	30.9	32.8	34.6	36.4	38.1
-85°	18.7	20.3	21.0	21.8	22.5	23.2	23.8	24.5	25.1	25.7	26.2
-87.5°	9.4	10.1	10.9	11.6	12.4	13.0	13.7	14.4	15.0	15.5	16.1
-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: P699987 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-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°	16.6	17.1	17.6	18.0	18.4	18.8	19.1	19.4	19.6	19.8	20.0
85°	26.7	27.2	27.7	28.1	28.5	28.9	29.2	29.5	29.7	29.9	30.1
82.5°	39.6	41.1	42.5	43.8	45.0	46.0	47.0	47.9	48.6	49.2	49.8
80°	56.2	58.2	60.0	61.7	63.3	64.8	66.1	67.2	68.2	69.1	69.8
77.5°	76.2	83.6	90.6	97.0	103.0	108.4	113.3	117.6	121.4	124.6	127.2
75°	125.6	139.4	163.1	185.1	205.4	223.9	240.6	255.4	268.3	279.2	288.2
72.5°	253.3	283.0	315.1	357.7	396.9	432.7	464.9	493.5	518.5	539.7	557.1
70°	448.6	504.9	557.6	611.1	667.5	719.0	765.5	806.7	842.7	873.3	898.4
67.5°	697.5	777.1	851.7	921.1	992.2	1060.7	1122.4	1177.3	1225.2	1265.9	1299.4
65°	985.7	1090.0	1187.8	1278.8	1363.3	1451.3	1530.8	1601.4	1663.1	1715.6	1758.8
62.5°	1313.5	1439.3	1563.6	1679.4	1786.3	1888.2	1984.1	2069.5	2144.1	2207.6	2259.8
60°	1679.4	1825.0	1972.4	2110.8	2238.8	2356.1	2466.1	2564.2	2650.0	2723.0	2783.2
57.5°	2066.2	2238.8	2403.0	2560.5	2706.3	2839.8	2959.5	3065.3	3157.8	3236.8	3301.8
55°	2466.1	2661.0	2844.6	3013.8	3169.8	3312.9	3435.2	3515.4	3585.6	3645.6	3695.0
52.5°	2872.1	3079.3	3274.3	3445.1	3562.5	3670.3	3768.1	3847.6	3915.7	3973.9	4022.0
50°	3264.9	3466.4	3612.2	3748.8	3865.6	3969.5	4064.0	4183.6	4322.7	4441.7	4540.0
47.5°	3579.4	3745.0	3888.7	4019.6	4170.5	4381.2	4572.9	4874.4	5725.8	6455.3	7058.5
45°	3835.2	3992.8	4171.9	4435.6	4681.8	5799.6	6967.7	8016.7	8742.9	9338.5	9831.8
42.5°	4063.2	4339.2	4639.0	5871.4	7361.5	8592.9	9540.3	10393.0	10847.1	11038.1	11196.4
40°	4440.9	5054.8	6857.5	8458.7	9659.9	10737.6	11039.2	11311.2	11540.8	11714.9	11859.6
37.5°	5447.0	7457.4	9071.3	10439.5	11018.5	11371.9	11662.6	11909.4	12125.9	12242.9	12340.3
35°	7658.8	9381.0	10779.0	11209.6	11594.5	11913.1	12174.5	12339.4	12486.2	12552.0	12590.0
32.5°	9381.0	10826.1	11306.4	11719.6	12084.0	12309.8	12505.3	12577.1	12634.2	12670.0	12687.8
30°	10779.0	11306.4	11761.6	12152.1	12392.6	12553.9	12629.4	12676.3	12702.8	12773.5	12961.8
27.5°	11209.6	11719.6	12152.1	12420.5	12574.7	12660.4	12695.2	12785.1	13063.6	13307.8	13960.0
25°	11594.5	12084.0	12392.6	12574.7	12665.1	12704.9	12930.4	13264.1	14126.7	14973.7	16687.6
22.5°	11913.1	12309.8	12553.9	12660.4	12704.9	12979.5	13492.4	14636.1	16648.9	19357.8	24201.0
20°	12174.5	12505.3	12629.4	12695.2	12930.4	13492.4	14808.8	17709.6	21996.8	32099.1	42571.9
17.5°	12339.4	12577.1	12676.3	12785.1	13264.1	14636.1	17709.6	23927.8	36193.8	55685.4	75323.7
15°	12486.2	12634.2	12702.8	13063.6	14126.7	16648.9	21996.8	36193.8	60183.3	90165.0	125634.8
12.5°	12552.0	12670.0	12773.5	13307.8	14973.7	19357.8	32099.1	55685.4	90165.0	134249.7	196699.8
10°	12590.0	12687.8	12961.8	13960.0	16687.6	24201.0	42571.9	75323.7	125634.8	196699.8	283583.0
7.5°	12620.2	12701.9	13111.6	14483.1	18375.4	30569.0	56963.7	100790.4	166650.4	259092.7	391696.8
5°	12642.0	12712.2	13220.5	14864.8	19612.6	35263.8	67656.0	120447.4	203093.7	324982.0	492595.3
2.5°	12655.2	12718.4	13286.7	15097.2	20368.3	38143.9	74253.7	132676.6	226039.5	372383.2	560906.9
0°	12659.6	12720.5	13308.9	15175.3	20622.6	39115.1	76485.4	136831.7	233889.0	390034.9	584930.5
-2.5°	12655.2	12718.4	13286.7	15097.2	20368.3	38143.9	74253.7	132676.6	226039.5	372383.2	560906.9
-5°	12642.0	12712.2	13220.5	14864.8	19612.6	35263.8	67656.0	120447.4	203093.7	324982.0	492595.3
-7.5°	12620.2	12701.9	13111.6	14483.1	18375.4	30569.0	56963.7	100790.4	166650.4	259092.7	391696.8
-10°	12590.0	12687.8	12961.8	13960.0	16687.6	24201.0	42571.9	75323.7	125634.8	196699.8	283583.0
-12.5°	12552.0	12670.0	12773.5	13307.8	14973.7	19357.8	32099.1	55685.4	90165.0	134249.7	196699.8
-15°	12486.2	12634.2	12702.8	13063.6	14126.7	16648.9	21996.8	36193.8	60183.3	90165.0	125634.8
-17.5°	12339.4	12577.1	12676.3	12785.1	13264.1	14636.1	17709.6	23927.8	36193.8	55685.4	75323.7
-20°	12174.5	12505.3	12629.4	12695.2	12930.4	13492.4	14808.8	17709.6	21996.8	32099.1	42571.9

REPORT NUMBER: P699987 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11913.1	12309.8	12553.9	12660.4	12704.9	12979.5	13492.4	14636.1	16648.9	19357.8	24201.0
-25°	11594.5	12084.0	12392.6	12574.7	12665.1	12704.9	12930.4	13264.1	14126.7	14973.7	16687.6
-27.5°	11209.6	11719.6	12152.1	12420.5	12574.7	12660.4	12695.2	12785.1	13063.6	13307.8	13960.0
-30°	10779.0	11306.4	11761.6	12152.1	12392.6	12553.9	12629.4	12676.3	12702.8	12773.5	12961.8
-32.5°	9381.0	10826.1	11306.4	11719.6	12084.0	12309.8	12505.3	12577.1	12634.2	12670.0	12687.8
-35°	7658.8	9381.0	10779.0	11209.6	11594.5	11913.1	12174.5	12339.4	12486.2	12552.0	12590.0
-37.5°	5447.0	7457.4	9071.3	10439.5	11018.5	11371.9	11662.6	11909.4	12125.9	12242.9	12340.3
-40°	4440.9	5054.8	6857.5	8458.7	9659.9	10737.6	11039.2	11311.2	11540.8	11714.9	11859.6
-42.5°	4063.2	4339.2	4639.0	5871.4	7361.5	8592.9	9540.3	10393.0	10847.1	11038.1	11196.4
-45°	3835.2	3992.8	4171.9	4435.6	4681.8	5799.6	6967.7	8016.7	8742.9	9338.5	9831.8
-47.5°	3579.4	3745.0	3888.7	4019.6	4170.5	4381.2	4572.9	4874.4	5725.8	6455.3	7058.5
-50°	3264.9	3466.4	3612.2	3748.8	3865.6	3969.5	4064.0	4183.6	4322.7	4441.7	4540.0
-52.5°	2872.1	3079.3	3274.3	3445.1	3562.5	3670.3	3768.1	3847.6	3915.7	3973.9	4022.0
-55°	2466.1	2661.0	2844.6	3013.8	3169.8	3312.9	3435.2	3515.4	3585.6	3645.6	3695.0
-57.5°	2066.2	2238.8	2403.0	2560.5	2706.3	2839.8	2959.5	3065.3	3157.8	3236.8	3301.8
-60°	1679.4	1825.0	1972.4	2110.8	2238.8	2356.1	2466.1	2564.2	2650.0	2723.0	2783.2
-62.5°	1313.5	1439.3	1563.6	1679.4	1786.3	1888.2	1984.1	2069.5	2144.1	2207.6	2259.8
-65°	985.7	1090.0	1187.8	1278.8	1363.3	1451.3	1530.8	1601.4	1663.1	1715.6	1758.8
-67.5°	697.5	777.1	851.7	921.1	992.2	1060.7	1122.4	1177.3	1225.2	1265.9	1299.4
-70°	448.6	504.9	557.6	611.1	667.5	719.0	765.5	806.7	842.7	873.3	898.4
-72.5°	253.3	283.0	315.1	357.7	396.9	432.7	464.9	493.5	518.5	539.7	557.1
-75°	125.6	139.4	163.1	185.1	205.4	223.9	240.6	255.4	268.3	279.2	288.2
-77.5°	76.2	83.6	90.6	97.0	103.0	108.4	113.3	117.6	121.4	124.6	127.2
-80°	56.2	58.2	60.0	61.7	63.3	64.8	66.1	67.2	68.2	69.1	69.8
-82.5°	39.6	41.1	42.5	43.8	45.0	46.0	47.0	47.9	48.6	49.2	49.8
-85°	26.7	27.2	27.7	28.1	28.5	28.9	29.2	29.5	29.7	29.9	30.1
-87.5°	16.6	17.1	17.6	18.0	18.4	18.8	19.1	19.4	19.6	19.8	20.0
-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: P699987 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-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°	20.1	20.2	20.3	20.3	20.3	20.2	20.1	20.0	19.8	19.6	19.4
85°	30.2	30.3	30.4	30.4	30.4	30.3	30.2	30.1	29.9	29.7	29.5
82.5°	50.2	50.5	50.6	50.7	50.6	50.5	50.2	49.8	49.2	48.6	47.9
80°	70.3	70.7	70.9	71.0	70.9	70.7	70.3	69.8	69.1	68.2	67.2
77.5°	129.3	130.7	131.6	131.9	131.6	130.7	129.3	127.2	124.6	121.4	117.6
75°	295.2	300.3	303.3	304.3	303.3	300.3	295.2	288.2	279.2	268.3	255.4
72.5°	570.8	580.5	586.3	588.3	586.3	580.5	570.8	557.1	539.7	518.5	493.5
70°	918.1	932.1	940.6	943.4	940.6	932.1	918.1	898.4	873.3	842.7	806.7
67.5°	1325.5	1344.3	1355.5	1359.3	1355.5	1344.3	1325.5	1299.4	1265.9	1225.2	1177.3
65°	1792.5	1816.7	1831.3	1836.1	1831.3	1816.7	1792.5	1758.8	1715.6	1663.1	1601.4
62.5°	2300.7	2329.9	2347.5	2353.4	2347.5	2329.9	2300.7	2259.8	2207.6	2144.1	2069.5
60°	2830.2	2863.9	2884.2	2891.0	2884.2	2863.9	2830.2	2783.2	2723.0	2650.0	2564.2
57.5°	3352.7	3389.2	3411.2	3418.5	3411.2	3389.2	3352.7	3301.8	3236.8	3157.8	3065.3
55°	3733.7	3761.4	3778.1	3783.7	3778.1	3761.4	3733.7	3695.0	3645.6	3585.6	3515.4
52.5°	4059.6	4086.6	4102.9	4108.3	4102.9	4086.6	4059.6	4022.0	3973.9	3915.7	3847.6
50°	4617.1	4672.4	4705.8	4716.9	4705.8	4672.4	4617.1	4540.0	4441.7	4322.7	4183.6
47.5°	7531.8	7872.0	8077.1	8145.6	8077.1	7872.0	7531.8	7058.5	6455.3	5725.8	4874.4
45°	10219.1	10497.9	10666.0	10722.2	10666.0	10497.9	10219.1	9831.8	9338.5	8742.9	8016.7
42.5°	11320.9	11410.7	11464.8	11482.9	11464.8	11410.7	11320.9	11196.4	11038.1	10847.1	10393.0
40°	11973.6	12055.8	12105.4	12122.0	12105.4	12055.8	11973.6	11859.6	11714.9	11540.8	11311.2
37.5°	12417.2	12472.8	12506.4	12517.6	12506.4	12472.8	12417.2	12340.3	12242.9	12125.9	11909.4
35°	12620.2	12642.0	12655.2	12659.6	12655.2	12642.0	12620.2	12590.0	12552.0	12486.2	12339.4
32.5°	12701.9	12712.2	12718.4	12720.5	12718.4	12712.2	12701.9	12687.8	12670.0	12634.2	12577.1
30°	13111.6	13220.5	13286.7	13308.9	13286.7	13220.5	13111.6	12961.8	12773.5	12702.8	12676.3
27.5°	14483.1	14864.8	15097.2	15175.3	15097.2	14864.8	14483.1	13960.0	13307.8	13063.6	12785.1
25°	18375.4	19612.6	20368.3	20622.6	20368.3	19612.6	18375.4	16687.6	14973.7	14126.7	13264.1
22.5°	30569.0	35263.8	38143.9	39115.1	38143.9	35263.8	30569.0	24201.0	19357.8	16648.9	14636.1
20°	56963.7	67656.0	74253.7	76485.4	74253.7	67656.0	56963.7	42571.9	32099.1	21996.8	17709.6
17.5°	100790.4	120447.4	132676.6	136831.7	132676.6	120447.4	100790.4	75323.7	55685.4	36193.8	23927.8
15°	166650.4	203093.7	226039.5	233889.0	226039.5	203093.7	166650.4	125634.8	90165.0	60183.3	36193.8
12.5°	259092.7	324982.0	372383.2	390034.9	372383.2	324982.0	259092.7	196699.8	134249.7	90165.0	55685.4
10°	391696.8	492595.3	560906.9	584930.5	560906.9	492595.3	391696.8	283583.0	196699.8	125634.8	75323.7
7.5°	538298.4	665610.0	761796.0	798308.5	761796.0	665610.0	538298.4	391696.8	259092.7	166650.4	100790.4
5°	665610.0	837535.3	954712.8	996906.7	954712.8	837535.3	665610.0	492595.3	324982.0	203093.7	120447.4
2.5°	761796.0	954712.8	#####	#####	#####	954712.8	761796.0	560906.9	372383.2	226039.5	132676.6
0°	798308.5	996906.7	#####	#####	#####	996906.7	798308.5	584930.5	390034.9	233889.0	136831.7
-2.5°	761796.0	954712.8	#####	#####	#####	954712.8	761796.0	560906.9	372383.2	226039.5	132676.6
-5°	665610.0	837535.3	954712.8	996906.7	954712.8	837535.3	665610.0	492595.3	324982.0	203093.7	120447.4
-7.5°	538298.4	665610.0	761796.0	798308.5	761796.0	665610.0	538298.4	391696.8	259092.7	166650.4	100790.4
-10°	391696.8	492595.3	560906.9	584930.5	560906.9	492595.3	391696.8	283583.0	196699.8	125634.8	75323.7
-12.5°	259092.7	324982.0	372383.2	390034.9	372383.2	324982.0	259092.7	196699.8	134249.7	90165.0	55685.4
-15°	166650.4	203093.7	226039.5	233889.0	226039.5	203093.7	166650.4	125634.8	90165.0	60183.3	36193.8
-17.5°	100790.4	120447.4	132676.6	136831.7	132676.6	120447.4	100790.4	75323.7	55685.4	36193.8	23927.8
-20°	56963.7	67656.0	74253.7	76485.4	74253.7	67656.0	56963.7	42571.9	32099.1	21996.8	17709.6

REPORT NUMBER: P699987 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	30569.0	35263.8	38143.9	39115.1	38143.9	35263.8	30569.0	24201.0	19357.8	16648.9	14636.1
-25°	18375.4	19612.6	20368.3	20622.6	20368.3	19612.6	18375.4	16687.6	14973.7	14126.7	13264.1
-27.5°	14483.1	14864.8	15097.2	15175.3	15097.2	14864.8	14483.1	13960.0	13307.8	13063.6	12785.1
-30°	13111.6	13220.5	13286.7	13308.9	13286.7	13220.5	13111.6	12961.8	12773.5	12702.8	12676.3
-32.5°	12701.9	12712.2	12718.4	12720.5	12718.4	12712.2	12701.9	12687.8	12670.0	12634.2	12577.1
-35°	12620.2	12642.0	12655.2	12659.6	12655.2	12642.0	12620.2	12590.0	12552.0	12486.2	12339.4
-37.5°	12417.2	12472.8	12506.4	12517.6	12506.4	12472.8	12417.2	12340.3	12242.9	12125.9	11909.4
-40°	11973.6	12055.8	12105.4	12122.0	12105.4	12055.8	11973.6	11859.6	11714.9	11540.8	11311.2
-42.5°	11320.9	11410.7	11464.8	11482.9	11464.8	11410.7	11320.9	11196.4	11038.1	10847.1	10393.0
-45°	10219.1	10497.9	10666.0	10722.2	10666.0	10497.9	10219.1	9831.8	9338.5	8742.9	8016.7
-47.5°	7531.8	7872.0	8077.1	8145.6	8077.1	7872.0	7531.8	7058.5	6455.3	5725.8	4874.4
-50°	4617.1	4672.4	4705.8	4716.9	4705.8	4672.4	4617.1	4540.0	4441.7	4322.7	4183.6
-52.5°	4059.6	4086.6	4102.9	4108.3	4102.9	4086.6	4059.6	4022.0	3973.9	3915.7	3847.6
-55°	3733.7	3761.4	3778.1	3783.7	3778.1	3761.4	3733.7	3695.0	3645.6	3585.6	3515.4
-57.5°	3352.7	3389.2	3411.2	3418.5	3411.2	3389.2	3352.7	3301.8	3236.8	3157.8	3065.3
-60°	2830.2	2863.9	2884.2	2891.0	2884.2	2863.9	2830.2	2783.2	2723.0	2650.0	2564.2
-62.5°	2300.7	2329.9	2347.5	2353.4	2347.5	2329.9	2300.7	2259.8	2207.6	2144.1	2069.5
-65°	1792.5	1816.7	1831.3	1836.1	1831.3	1816.7	1792.5	1758.8	1715.6	1663.1	1601.4
-67.5°	1325.5	1344.3	1355.5	1359.3	1355.5	1344.3	1325.5	1299.4	1265.9	1225.2	1177.3
-70°	918.1	932.1	940.6	943.4	940.6	932.1	918.1	898.4	873.3	842.7	806.7
-72.5°	570.8	580.5	586.3	588.3	586.3	580.5	570.8	557.1	539.7	518.5	493.5
-75°	295.2	300.3	303.3	304.3	303.3	300.3	295.2	288.2	279.2	268.3	255.4
-77.5°	129.3	130.7	131.6	131.9	131.6	130.7	129.3	127.2	124.6	121.4	117.6
-80°	70.3	70.7	70.9	71.0	70.9	70.7	70.3	69.8	69.1	68.2	67.2
-82.5°	50.2	50.5	50.6	50.7	50.6	50.5	50.2	49.8	49.2	48.6	47.9
-85°	30.2	30.3	30.4	30.4	30.4	30.3	30.2	30.1	29.9	29.7	29.5
-87.5°	20.1	20.2	20.3	20.3	20.3	20.2	20.1	20.0	19.8	19.6	19.4
-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: P699987 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-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°	19.1	18.8	18.4	18.0	17.6	17.1	16.6	16.1	15.5	15.0	14.4
85°	29.2	28.9	28.5	28.1	27.7	27.2	26.7	26.2	25.7	25.1	24.5
82.5°	47.0	46.0	45.0	43.8	42.5	41.1	39.6	38.1	36.4	34.6	32.8
80°	66.1	64.8	63.3	61.7	60.0	58.2	56.2	54.1	51.9	49.5	47.1
77.5°	113.3	108.4	103.0	97.0	90.6	83.6	76.2	70.1	67.3	64.4	61.3
75°	240.6	223.9	205.4	185.1	163.1	139.4	125.6	116.0	106.0	95.4	84.3
72.5°	464.9	432.7	396.9	357.7	315.1	283.0	253.3	221.7	188.3	153.2	126.5
70°	765.5	719.0	667.5	611.1	557.6	504.9	448.6	388.8	325.8	277.1	235.0
67.5°	1122.4	1060.7	992.2	921.1	851.7	777.1	697.5	613.0	536.8	462.0	383.8
65°	1530.8	1451.3	1363.3	1278.8	1187.8	1090.0	985.7	885.2	785.7	681.3	575.5
62.5°	1984.1	1888.2	1786.3	1679.4	1563.6	1439.3	1313.5	1191.2	1062.3	929.7	809.4
60°	2466.1	2356.1	2238.8	2110.8	1972.4	1825.0	1679.4	1525.3	1363.3	1214.8	1060.7
57.5°	2959.5	2839.8	2706.3	2560.5	2403.0	2238.8	2066.2	1883.9	1703.6	1518.9	1330.9
55°	3435.2	3312.9	3169.8	3013.8	2844.6	2661.0	2466.1	2264.0	2056.4	1839.6	1631.5
52.5°	3768.1	3670.3	3562.5	3445.1	3274.3	3079.3	2872.1	2650.0	2417.2	2181.3	1938.9
50°	4064.0	3969.5	3865.6	3748.8	3612.2	3466.4	3264.9	3030.5	2783.2	2523.0	2257.0
47.5°	4572.9	4381.2	4170.5	4019.6	3888.7	3745.0	3579.4	3399.6	3137.2	2863.9	2576.2
45°	6967.7	5799.6	4681.8	4435.6	4171.9	3992.8	3835.2	3655.7	3462.0	3191.0	2891.0
42.5°	9540.3	8592.9	7361.5	5871.4	4639.0	4339.2	4063.2	3887.2	3694.2	3481.0	3191.0
40°	11039.2	10737.6	9659.9	8458.7	6857.5	5054.8	4440.9	4098.8	3904.7	3694.2	3462.0
37.5°	11662.6	11371.9	11018.5	10439.5	9071.3	7457.4	5447.0	4475.1	4098.8	3887.2	3655.7
35°	12174.5	11913.1	11594.5	11209.6	10779.0	9381.0	7658.8	5447.0	4440.9	4063.2	3835.2
32.5°	12505.3	12309.8	12084.0	11719.6	11306.4	10826.1	9381.0	7457.4	5054.8	4339.2	3992.8
30°	12629.4	12553.9	12392.6	12152.1	11761.6	11306.4	10779.0	9071.3	6857.5	4639.0	4171.9
27.5°	12695.2	12660.4	12574.7	12420.5	12152.1	11719.6	11209.6	10439.5	8458.7	5871.4	4435.6
25°	12930.4	12704.9	12665.1	12574.7	12392.6	12084.0	11594.5	11018.5	9659.9	7361.5	4681.8
22.5°	13492.4	12979.5	12704.9	12660.4	12553.9	12309.8	11913.1	11371.9	10737.6	8592.9	5799.6
20°	14808.8	13492.4	12930.4	12695.2	12629.4	12505.3	12174.5	11662.6	11039.2	9540.3	6967.7
17.5°	17709.6	14636.1	13264.1	12785.1	12676.3	12577.1	12339.4	11909.4	11311.2	10393.0	8016.7
15°	21996.8	16648.9	14126.7	13063.6	12702.8	12634.2	12486.2	12125.9	11540.8	10847.1	8742.9
12.5°	32099.1	19357.8	14973.7	13307.8	12773.5	12670.0	12552.0	12242.9	11714.9	11038.1	9338.5
10°	42571.9	24201.0	16687.6	13960.0	12961.8	12687.8	12590.0	12340.3	11859.6	11196.4	9831.8
7.5°	56963.7	30569.0	18375.4	14483.1	13111.6	12701.9	12620.2	12417.2	11973.6	11320.9	10219.1
5°	67656.0	35263.8	19612.6	14864.8	13220.5	12712.2	12642.0	12472.8	12055.8	11410.7	10497.9
2.5°	74253.7	38143.9	20368.3	15097.2	13286.7	12718.4	12655.2	12506.4	12105.4	11464.8	10666.0
0°	76485.4	39115.1	20622.6	15175.3	13308.9	12720.5	12659.6	12517.6	12122.0	11482.9	10722.2
-2.5°	74253.7	38143.9	20368.3	15097.2	13286.7	12718.4	12655.2	12506.4	12105.4	11464.8	10666.0
-5°	67656.0	35263.8	19612.6	14864.8	13220.5	12712.2	12642.0	12472.8	12055.8	11410.7	10497.9
-7.5°	56963.7	30569.0	18375.4	14483.1	13111.6	12701.9	12620.2	12417.2	11973.6	11320.9	10219.1
-10°	42571.9	24201.0	16687.6	13960.0	12961.8	12687.8	12590.0	12340.3	11859.6	11196.4	9831.8
-12.5°	32099.1	19357.8	14973.7	13307.8	12773.5	12670.0	12552.0	12242.9	11714.9	11038.1	9338.5
-15°	21996.8	16648.9	14126.7	13063.6	12702.8	12634.2	12486.2	12125.9	11540.8	10847.1	8742.9
-17.5°	17709.6	14636.1	13264.1	12785.1	12676.3	12577.1	12339.4	11909.4	11311.2	10393.0	8016.7
-20°	14808.8	13492.4	12930.4	12695.2	12629.4	12505.3	12174.5	11662.6	11039.2	9540.3	6967.7

REPORT NUMBER: P699987 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13492.4	12979.5	12704.9	12660.4	12553.9	12309.8	11913.1	11371.9	10737.6	8592.9	5799.6
-25°	12930.4	12704.9	12665.1	12574.7	12392.6	12084.0	11594.5	11018.5	9659.9	7361.5	4681.8
-27.5°	12695.2	12660.4	12574.7	12420.5	12152.1	11719.6	11209.6	10439.5	8458.7	5871.4	4435.6
-30°	12629.4	12553.9	12392.6	12152.1	11761.6	11306.4	10779.0	9071.3	6857.5	4639.0	4171.9
-32.5°	12505.3	12309.8	12084.0	11719.6	11306.4	10826.1	9381.0	7457.4	5054.8	4339.2	3992.8
-35°	12174.5	11913.1	11594.5	11209.6	10779.0	9381.0	7658.8	5447.0	4440.9	4063.2	3835.2
-37.5°	11662.6	11371.9	11018.5	10439.5	9071.3	7457.4	5447.0	4475.1	4098.8	3887.2	3655.7
-40°	11039.2	10737.6	9659.9	8458.7	6857.5	5054.8	4440.9	4098.8	3904.7	3694.2	3462.0
-42.5°	9540.3	8592.9	7361.5	5871.4	4639.0	4339.2	4063.2	3887.2	3694.2	3481.0	3191.0
-45°	6967.7	5799.6	4681.8	4435.6	4171.9	3992.8	3835.2	3655.7	3462.0	3191.0	2891.0
-47.5°	4572.9	4381.2	4170.5	4019.6	3888.7	3745.0	3579.4	3399.6	3137.2	2863.9	2576.2
-50°	4064.0	3969.5	3865.6	3748.8	3612.2	3466.4	3264.9	3030.5	2783.2	2523.0	2257.0
-52.5°	3768.1	3670.3	3562.5	3445.1	3274.3	3079.3	2872.1	2650.0	2417.2	2181.3	1938.9
-55°	3435.2	3312.9	3169.8	3013.8	2844.6	2661.0	2466.1	2264.0	2056.4	1839.6	1631.5
-57.5°	2959.5	2839.8	2706.3	2560.5	2403.0	2238.8	2066.2	1883.9	1703.6	1518.9	1330.9
-60°	2466.1	2356.1	2238.8	2110.8	1972.4	1825.0	1679.4	1525.3	1363.3	1214.8	1060.7
-62.5°	1984.1	1888.2	1786.3	1679.4	1563.6	1439.3	1313.5	1191.2	1062.3	929.7	809.4
-65°	1530.8	1451.3	1363.3	1278.8	1187.8	1090.0	985.7	885.2	785.7	681.3	575.5
-67.5°	1122.4	1060.7	992.2	921.1	851.7	777.1	697.5	613.0	536.8	462.0	383.8
-70°	765.5	719.0	667.5	611.1	557.6	504.9	448.6	388.8	325.8	277.1	235.0
-72.5°	464.9	432.7	396.9	357.7	315.1	283.0	253.3	221.7	188.3	153.2	126.5
-75°	240.6	223.9	205.4	185.1	163.1	139.4	125.6	116.0	106.0	95.4	84.3
-77.5°	113.3	108.4	103.0	97.0	90.6	83.6	76.2	70.1	67.3	64.4	61.3
-80°	66.1	64.8	63.3	61.7	60.0	58.2	56.2	54.1	51.9	49.5	47.1
-82.5°	47.0	46.0	45.0	43.8	42.5	41.1	39.6	38.1	36.4	34.6	32.8
-85°	29.2	28.9	28.5	28.1	27.7	27.2	26.7	26.2	25.7	25.1	24.5
-87.5°	19.1	18.8	18.4	18.0	17.6	17.1	16.6	16.1	15.5	15.0	14.4
-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: P699987 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-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°	13.7	13.0	12.4	11.6	10.9	10.1	9.4	8.6	7.8	6.9	6.1
85°	23.8	23.2	22.5	21.8	21.0	20.3	18.7	17.1	15.5	13.9	12.2
82.5°	30.9	29.6	28.6	27.5	26.4	25.3	24.2	23.0	21.8	20.5	18.3
80°	44.5	41.8	39.1	36.2	33.3	30.3	28.8	27.2	25.6	24.0	22.3
77.5°	58.1	54.7	51.3	47.7	44.0	40.2	36.4	32.4	29.4	27.4	25.3
75°	72.7	67.6	63.4	59.1	54.7	50.2	45.5	40.8	36.0	31.0	28.2
72.5°	112.9	98.9	84.3	70.4	65.3	60.0	54.6	49.1	43.5	37.7	31.9
70°	191.2	145.7	120.1	103.0	85.4	69.8	63.6	57.3	50.9	44.3	37.7
67.5°	303.1	251.9	198.9	144.3	116.4	96.1	75.3	65.4	58.2	50.9	43.5
65°	484.9	390.9	298.0	237.3	175.0	124.6	101.5	78.0	65.4	57.3	49.1
62.5°	684.5	561.7	454.9	345.0	260.5	190.4	127.3	101.5	75.3	63.6	54.6
60°	906.8	765.5	619.7	493.5	370.6	268.3	190.4	124.6	96.1	69.8	60.0
57.5°	1157.0	977.4	814.4	652.2	506.5	370.6	260.5	175.0	116.4	85.4	65.3
55°	1416.4	1215.4	1016.0	830.8	652.2	493.5	345.0	237.3	144.3	103.0	70.4
52.5°	1699.7	1461.5	1234.9	1016.0	814.4	619.7	454.9	298.0	198.9	120.1	84.3
50°	1988.9	1722.5	1461.5	1215.4	977.4	765.5	561.7	390.9	251.9	145.7	98.9
47.5°	2282.3	1988.9	1699.7	1416.4	1157.0	906.8	684.5	484.9	303.1	191.2	112.9
45°	2576.2	2257.0	1938.9	1631.5	1330.9	1060.7	809.4	575.5	383.8	235.0	126.5
42.5°	2863.9	2523.0	2181.3	1839.6	1518.9	1214.8	929.7	681.3	462.0	277.1	153.2
40°	3137.2	2783.2	2417.2	2056.4	1703.6	1363.3	1062.3	785.7	536.8	325.8	188.3
37.5°	3399.6	3030.5	2650.0	2264.0	1883.9	1525.3	1191.2	885.2	613.0	388.8	221.7
35°	3579.4	3264.9	2872.1	2466.1	2066.2	1679.4	1313.5	985.7	697.5	448.6	253.3
32.5°	3745.0	3466.4	3079.3	2661.0	2238.8	1825.0	1439.3	1090.0	777.1	504.9	283.0
30°	3888.7	3612.2	3274.3	2844.6	2403.0	1972.4	1563.6	1187.8	851.7	557.6	315.1
27.5°	4019.6	3748.8	3445.1	3013.8	2560.5	2110.8	1679.4	1278.8	921.1	611.1	357.7
25°	4170.5	3865.6	3562.5	3169.8	2706.3	2238.8	1786.3	1363.3	992.2	667.5	396.9
22.5°	4381.2	3969.5	3670.3	3312.9	2839.8	2356.1	1888.2	1451.3	1060.7	719.0	432.7
20°	4572.9	4064.0	3768.1	3435.2	2959.5	2466.1	1984.1	1530.8	1122.4	765.5	464.9
17.5°	4874.4	4183.6	3847.6	3515.4	3065.3	2564.2	2069.5	1601.4	1177.3	806.7	493.5
15°	5725.8	4322.7	3915.7	3585.6	3157.8	2650.0	2144.1	1663.1	1225.2	842.7	518.5
12.5°	6455.3	4441.7	3973.9	3645.6	3236.8	2723.0	2207.6	1715.6	1265.9	873.3	539.7
10°	7058.5	4540.0	4022.0	3695.0	3301.8	2783.2	2259.8	1758.8	1299.4	898.4	557.1
7.5°	7531.8	4617.1	4059.6	3733.7	3352.7	2830.2	2300.7	1792.5	1325.5	918.1	570.8
5°	7872.0	4672.4	4086.6	3761.4	3389.2	2863.9	2329.9	1816.7	1344.3	932.1	580.5
2.5°	8077.1	4705.8	4102.9	3778.1	3411.2	2884.2	2347.5	1831.3	1355.5	940.6	586.3
0°	8145.6	4716.9	4108.3	3783.7	3418.5	2891.0	2353.4	1836.1	1359.3	943.4	588.3
-2.5°	8077.1	4705.8	4102.9	3778.1	3411.2	2884.2	2347.5	1831.3	1355.5	940.6	586.3
-5°	7872.0	4672.4	4086.6	3761.4	3389.2	2863.9	2329.9	1816.7	1344.3	932.1	580.5
-7.5°	7531.8	4617.1	4059.6	3733.7	3352.7	2830.2	2300.7	1792.5	1325.5	918.1	570.8
-10°	7058.5	4540.0	4022.0	3695.0	3301.8	2783.2	2259.8	1758.8	1299.4	898.4	557.1
-12.5°	6455.3	4441.7	3973.9	3645.6	3236.8	2723.0	2207.6	1715.6	1265.9	873.3	539.7
-15°	5725.8	4322.7	3915.7	3585.6	3157.8	2650.0	2144.1	1663.1	1225.2	842.7	518.5
-17.5°	4874.4	4183.6	3847.6	3515.4	3065.3	2564.2	2069.5	1601.4	1177.3	806.7	493.5
-20°	4572.9	4064.0	3768.1	3435.2	2959.5	2466.1	1984.1	1530.8	1122.4	765.5	464.9

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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4381.2	3969.5	3670.3	3312.9	2839.8	2356.1	1888.2	1451.3	1060.7	719.0	432.7
-25°	4170.5	3865.6	3562.5	3169.8	2706.3	2238.8	1786.3	1363.3	992.2	667.5	396.9
-27.5°	4019.6	3748.8	3445.1	3013.8	2560.5	2110.8	1679.4	1278.8	921.1	611.1	357.7
-30°	3888.7	3612.2	3274.3	2844.6	2403.0	1972.4	1563.6	1187.8	851.7	557.6	315.1
-32.5°	3745.0	3466.4	3079.3	2661.0	2238.8	1825.0	1439.3	1090.0	777.1	504.9	283.0
-35°	3579.4	3264.9	2872.1	2466.1	2066.2	1679.4	1313.5	985.7	697.5	448.6	253.3
-37.5°	3399.6	3030.5	2650.0	2264.0	1883.9	1525.3	1191.2	885.2	613.0	388.8	221.7
-40°	3137.2	2783.2	2417.2	2056.4	1703.6	1363.3	1062.3	785.7	536.8	325.8	188.3
-42.5°	2863.9	2523.0	2181.3	1839.6	1518.9	1214.8	929.7	681.3	462.0	277.1	153.2
-45°	2576.2	2257.0	1938.9	1631.5	1330.9	1060.7	809.4	575.5	383.8	235.0	126.5
-47.5°	2282.3	1988.9	1699.7	1416.4	1157.0	906.8	684.5	484.9	303.1	191.2	112.9
-50°	1988.9	1722.5	1461.5	1215.4	977.4	765.5	561.7	390.9	251.9	145.7	98.9
-52.5°	1699.7	1461.5	1234.9	1016.0	814.4	619.7	454.9	298.0	198.9	120.1	84.3
-55°	1416.4	1215.4	1016.0	830.8	652.2	493.5	345.0	237.3	144.3	103.0	70.4
-57.5°	1157.0	977.4	814.4	652.2	506.5	370.6	260.5	175.0	116.4	85.4	65.3
-60°	906.8	765.5	619.7	493.5	370.6	268.3	190.4	124.6	96.1	69.8	60.0
-62.5°	684.5	561.7	454.9	345.0	260.5	190.4	127.3	101.5	75.3	63.6	54.6
-65°	484.9	390.9	298.0	237.3	175.0	124.6	101.5	78.0	65.4	57.3	49.1
-67.5°	303.1	251.9	198.9	144.3	116.4	96.1	75.3	65.4	58.2	50.9	43.5
-70°	191.2	145.7	120.1	103.0	85.4	69.8	63.6	57.3	50.9	44.3	37.7
-72.5°	112.9	98.9	84.3	70.4	65.3	60.0	54.6	49.1	43.5	37.7	31.9
-75°	72.7	67.6	63.4	59.1	54.7	50.2	45.5	40.8	36.0	31.0	28.2
-77.5°	58.1	54.7	51.3	47.7	44.0	40.2	36.4	32.4	29.4	27.4	25.3
-80°	44.5	41.8	39.1	36.2	33.3	30.3	28.8	27.2	25.6	24.0	22.3
-82.5°	30.9	29.6	28.6	27.5	26.4	25.3	24.2	23.0	21.8	20.5	18.3
-85°	23.8	23.2	22.5	21.8	21.0	20.3	18.7	17.1	15.5	13.9	12.2
-87.5°	13.7	13.0	12.4	11.6	10.9	10.1	9.4	8.6	7.8	6.9	6.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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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°	5.3	4.4	3.5	2.6	1.8	0.9	0.0
85°	10.5	8.8	7.0	5.3	3.5	1.8	0.0
82.5°	15.7	13.1	10.5	7.9	5.3	2.6	0.0
80°	20.6	17.5	14.0	10.5	7.0	3.5	0.0
77.5°	23.2	21.0	17.5	13.1	8.8	4.4	0.0
75°	25.7	23.2	20.6	15.7	10.5	5.3	0.0
72.5°	28.2	25.3	22.3	18.3	12.2	6.1	0.0
70°	31.0	27.4	24.0	20.5	13.9	6.9	0.0
67.5°	36.0	29.4	25.6	21.8	15.5	7.8	0.0
65°	40.8	32.4	27.2	23.0	17.1	8.6	0.0
62.5°	45.5	36.4	28.8	24.2	18.7	9.4	0.0
60°	50.2	40.2	30.3	25.3	20.3	10.1	0.0
57.5°	54.7	44.0	33.3	26.4	21.0	10.9	0.0
55°	59.1	47.7	36.2	27.5	21.8	11.6	0.0
52.5°	63.4	51.3	39.1	28.6	22.5	12.4	0.0
50°	67.6	54.7	41.8	29.6	23.2	13.0	0.0
47.5°	72.7	58.1	44.5	30.9	23.8	13.7	0.0
45°	84.3	61.3	47.1	32.8	24.5	14.4	0.0
42.5°	95.4	64.4	49.5	34.6	25.1	15.0	0.0
40°	106.0	67.3	51.9	36.4	25.7	15.5	0.0
37.5°	116.0	70.1	54.1	38.1	26.2	16.1	0.0
35°	125.6	76.2	56.2	39.6	26.7	16.6	0.0
32.5°	139.4	83.6	58.2	41.1	27.2	17.1	0.0
30°	163.1	90.6	60.0	42.5	27.7	17.6	0.0
27.5°	185.1	97.0	61.7	43.8	28.1	18.0	0.0
25°	205.4	103.0	63.3	45.0	28.5	18.4	0.0
22.5°	223.9	108.4	64.8	46.0	28.9	18.8	0.0
20°	240.6	113.3	66.1	47.0	29.2	19.1	0.0
17.5°	255.4	117.6	67.2	47.9	29.5	19.4	0.0
15°	268.3	121.4	68.2	48.6	29.7	19.6	0.0
12.5°	279.2	124.6	69.1	49.2	29.9	19.8	0.0
10°	288.2	127.2	69.8	49.8	30.1	20.0	0.0
7.5°	295.2	129.3	70.3	50.2	30.2	20.1	0.0
5°	300.3	130.7	70.7	50.5	30.3	20.2	0.0
2.5°	303.3	131.6	70.9	50.6	30.4	20.3	0.0
0°	304.3	131.9	71.0	50.7	30.4	20.3	0.0
-2.5°	303.3	131.6	70.9	50.6	30.4	20.3	0.0
-5°	300.3	130.7	70.7	50.5	30.3	20.2	0.0
-7.5°	295.2	129.3	70.3	50.2	30.2	20.1	0.0
-10°	288.2	127.2	69.8	49.8	30.1	20.0	0.0
-12.5°	279.2	124.6	69.1	49.2	29.9	19.8	0.0
-15°	268.3	121.4	68.2	48.6	29.7	19.6	0.0
-17.5°	255.4	117.6	67.2	47.9	29.5	19.4	0.0
-20°	240.6	113.3	66.1	47.0	29.2	19.1	0.0

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CATALOG NUMBER: EPH-LS16-1200R-57-70-1S-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	223.9	108.4	64.8	46.0	28.9	18.8	0.0
-25°	205.4	103.0	63.3	45.0	28.5	18.4	0.0
-27.5°	185.1	97.0	61.7	43.8	28.1	18.0	0.0
-30°	163.1	90.6	60.0	42.5	27.7	17.6	0.0
-32.5°	139.4	83.6	58.2	41.1	27.2	17.1	0.0
-35°	125.6	76.2	56.2	39.6	26.7	16.6	0.0
-37.5°	116.0	70.1	54.1	38.1	26.2	16.1	0.0
-40°	106.0	67.3	51.9	36.4	25.7	15.5	0.0
-42.5°	95.4	64.4	49.5	34.6	25.1	15.0	0.0
-45°	84.3	61.3	47.1	32.8	24.5	14.4	0.0
-47.5°	72.7	58.1	44.5	30.9	23.8	13.7	0.0
-50°	67.6	54.7	41.8	29.6	23.2	13.0	0.0
-52.5°	63.4	51.3	39.1	28.6	22.5	12.4	0.0
-55°	59.1	47.7	36.2	27.5	21.8	11.6	0.0
-57.5°	54.7	44.0	33.3	26.4	21.0	10.9	0.0
-60°	50.2	40.2	30.3	25.3	20.3	10.1	0.0
-62.5°	45.5	36.4	28.8	24.2	18.7	9.4	0.0
-65°	40.8	32.4	27.2	23.0	17.1	8.6	0.0
-67.5°	36.0	29.4	25.6	21.8	15.5	7.8	0.0
-70°	31.0	27.4	24.0	20.5	13.9	6.9	0.0
-72.5°	28.2	25.3	22.3	18.3	12.2	6.1	0.0
-75°	25.7	23.2	20.6	15.7	10.5	5.3	0.0
-77.5°	23.2	21.0	17.5	13.1	8.8	4.4	0.0
-80°	20.6	17.5	14.0	10.5	7.0	3.5	0.0
-82.5°	15.7	13.1	10.5	7.9	5.3	2.6	0.0
-85°	10.5	8.8	7.0	5.3	3.5	1.8	0.0
-87.5°	5.3	4.4	3.5	2.6	1.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)