

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: P699875 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200L-40-80-3S-S**

Issue Date: 8/10/2023

Test Information

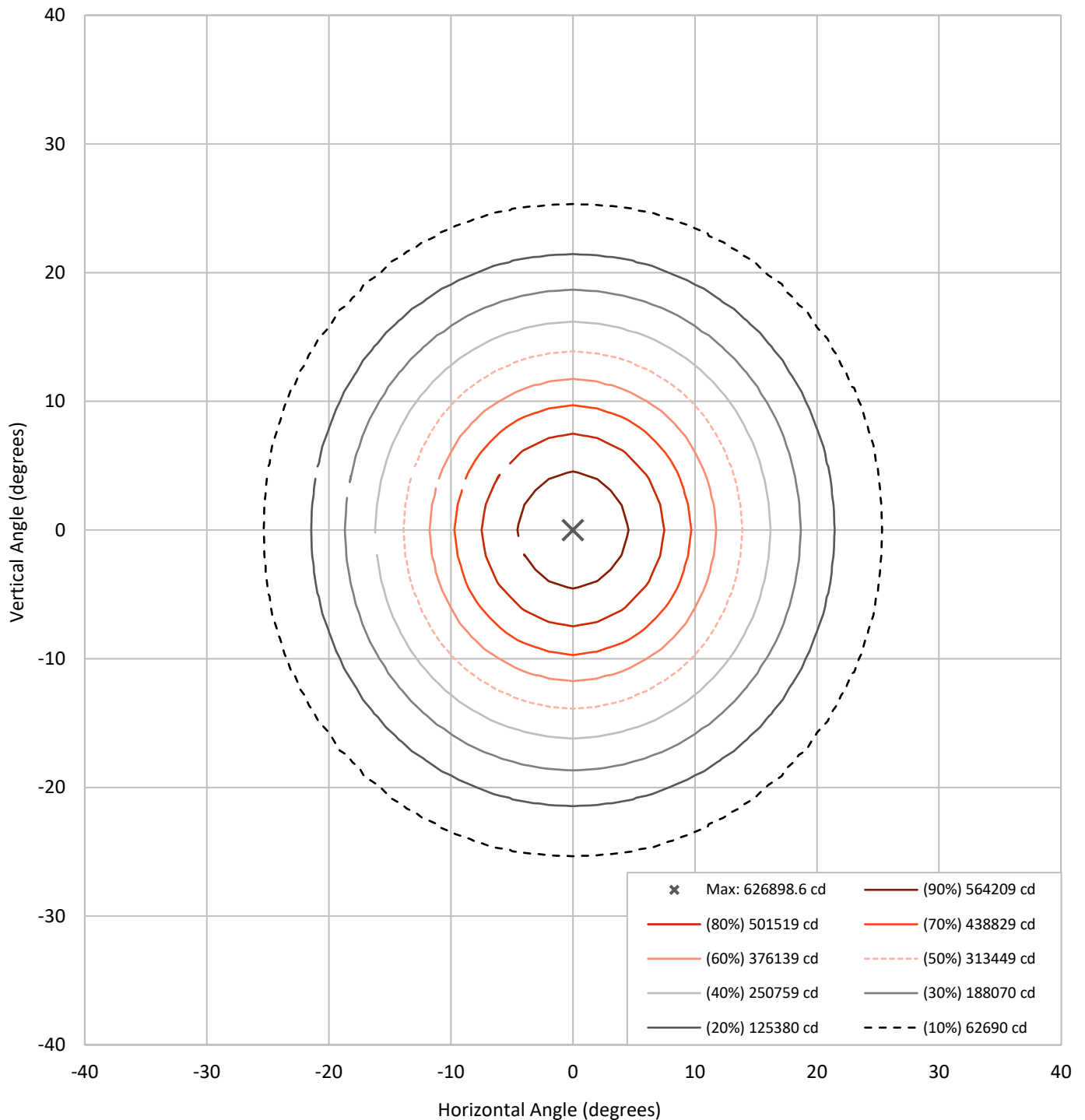
Test Method: LM-79-08
Report Number: P699875 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-11)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200L-40-80-3S-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	182876 lumens	Max Intensity:	626898.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	150.6 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	27.8°H x 27.8°V	Field Angle (10%):	50.4°H x 50.4°V
Beam Lumens:	80392.8 lumens	Field Lumens:	149577.7 lumens
Beam Efficiency:	44.0%	Field Efficiency:	81.8%
Input Watts (W):	1214.1		
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





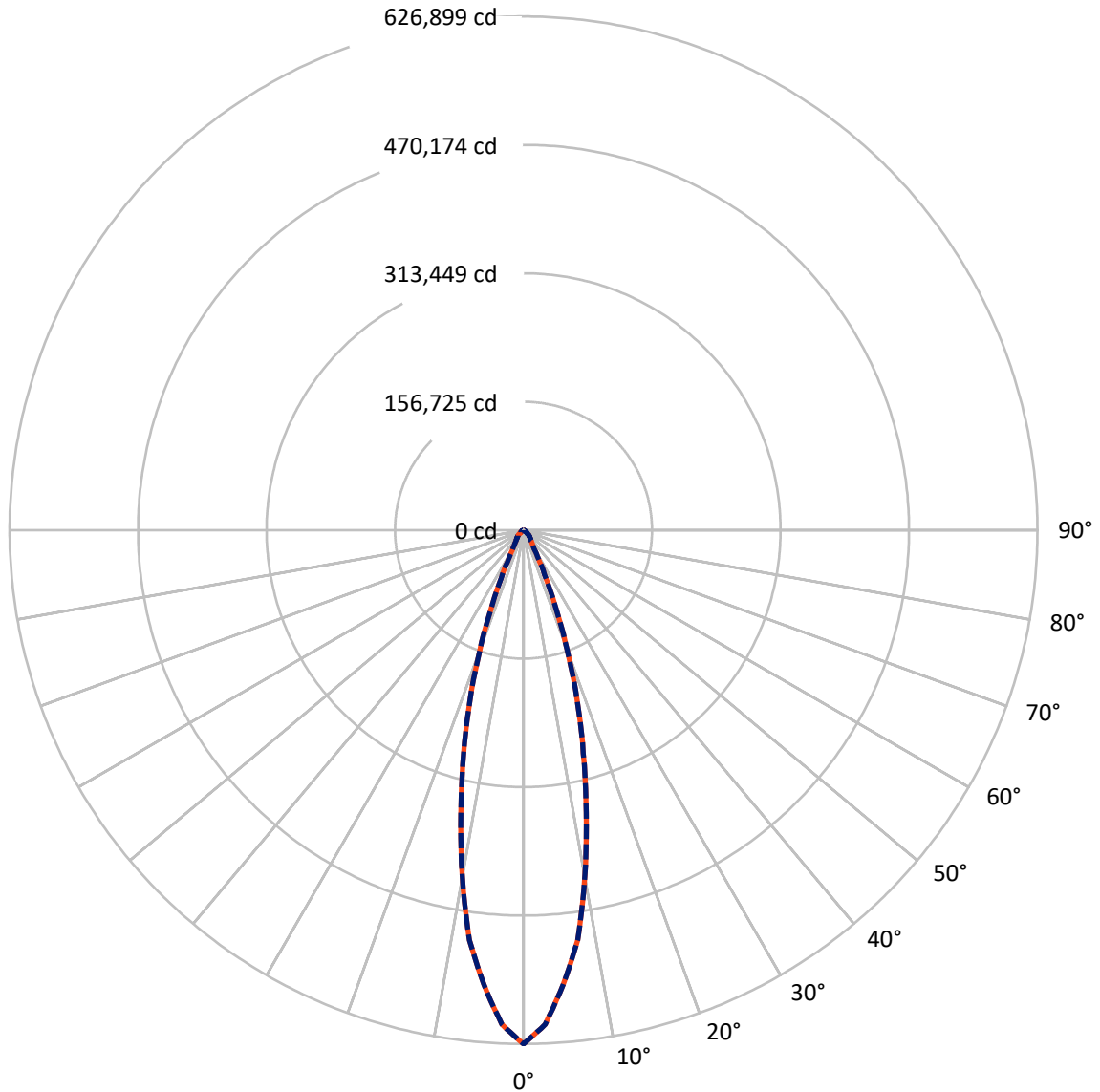
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Lumen Table

90	0.3		2.3		8.5		20.5		26.5		20.5		8.5		2.3		0.3	
80	0.3		2.3		8.5		20.5		26.5		20.5		8.5		2.3		0.3	
70	1.0	1.3	5.1	13.9	26.4	39.8	50.9	57.1	57.1	50.9	39.8	26.4	13.9	5.1	1.3	1.0		
60		3.8	15.8	36.5	63.2	91.3	114.5	127.5	127.5	114.5	91.3	63.2	36.5	15.8	3.8			
50	2.8	8.6	29.8	64.5	109.2	172.1	241.7	282.3	282.3	241.7	172.1	109.2	64.5	29.8	8.6	2.8		
40		14.1	44.7	94.6	190.3	312.3	423.3	513.9	513.9	423.3	312.3	190.3	94.6	44.7	14.1			
30	5.9	19.1	58.4	135.3	282.8	490.1	1084.9	2032.3	2032.3	1084.9	490.1	282.8	135.3	58.4	19.1	5.9		
20		22.9	68.8	178.8	360.6	1023.5	4000.2	7799.0	7799.0	4000.2	1023.5	360.6	178.8	68.8	22.9			
10	7.3	25.0	74.3	202.2	425.3	1868.1	7585.3	14775.6	14775.6	7585.3	1868.1	425.3	202.2	74.3	25.0	7.3		
0		25.0	74.3	202.2	425.3	1868.1	7585.3	14775.6	14775.6	7585.3	1868.1	425.3	202.2	74.3	25.0			
-10	5.9	22.9	68.8	178.8	360.6	1023.5	4000.2	7799.0	7799.0	4000.2	1023.5	360.6	178.8	68.8	22.9	5.9		
-20		19.1	58.4	135.3	282.8	490.1	1084.9	2032.3	2032.3	1084.9	490.1	282.8	135.3	58.4	19.1			
-30	2.8	14.1	44.7	94.6	190.3	312.3	423.3	513.9	513.9	423.3	312.3	190.3	94.6	44.7	14.1	2.8		
-40		8.6	29.8	64.5	109.2	172.1	241.7	282.3	282.3	241.7	172.1	109.2	64.5	29.8	8.6			
-50	1.0	3.8	15.8	36.5	63.2	91.3	114.5	127.5	127.5	114.5	91.3	63.2	36.5	15.8	3.8	1.0		
-60		1.3	5.1	13.9	26.4	39.8	50.9	57.1	57.1	50.9	39.8	26.4	13.9	5.1	1.3			
-70	0.3		2.3		8.5		20.5		26.5		20.5		8.5		2.3		0.3	
-80	0.3		2.3		8.5		20.5		26.5		20.5		8.5		2.3		0.3	
-90	0.3		2.3		8.5		20.5		26.5		20.5		8.5		2.3		0.3	

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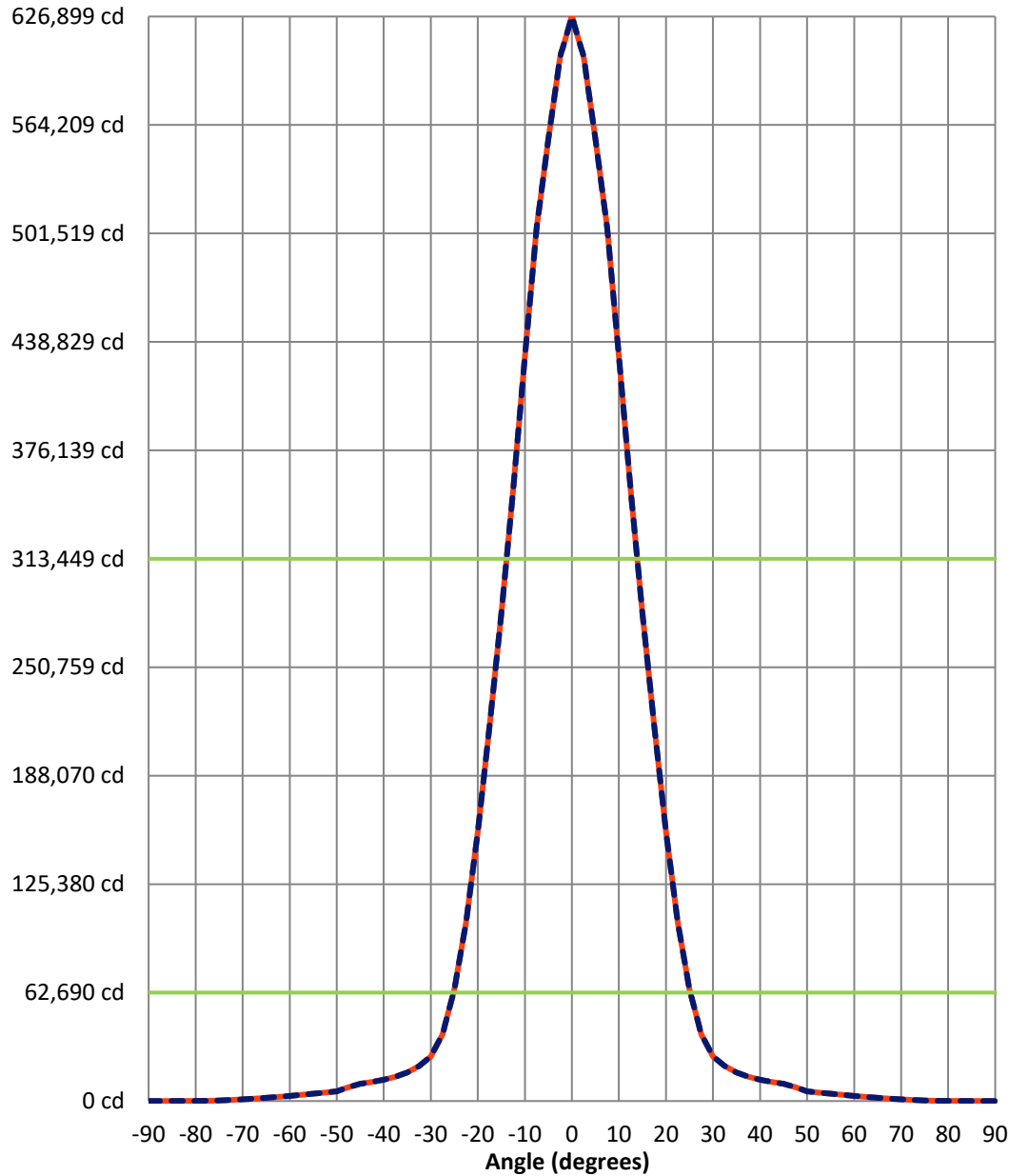
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 27.8°
V Angle: 27.8°
Lumens: 80392.8
Efficiency: 44.0%

Field:
H Angle: 50.4°
V Angle: 50.4°
Lumens: 149577.7
Efficiency: 81.8%

Spill:
Lumens: 33298.3
Efficiency: 18.2%

— 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	0.9	1.7	2.6	3.4	4.3	5.1	5.9	6.7	7.5	8.3
85°	0.0	1.7	3.4	5.1	6.8	8.5	10.2	11.8	13.5	15.1	16.6
82.5°	0.0	2.6	5.1	7.7	10.2	12.8	15.3	17.7	20.0	21.7	23.4
80°	0.0	3.4	6.8	10.2	13.6	17.0	20.1	22.5	24.8	27.0	29.3
77.5°	0.0	4.3	8.5	12.8	17.0	20.7	23.7	26.6	29.5	32.3	35.6
75°	0.0	5.1	10.2	15.3	20.1	23.7	27.2	30.7	34.3	38.8	43.3
72.5°	0.0	5.9	11.8	17.7	22.5	26.6	30.7	35.1	40.5	45.8	51.0
70°	0.0	6.7	13.5	20.0	24.8	29.5	34.3	40.5	46.6	52.7	59.8
67.5°	0.0	7.5	15.1	21.7	27.0	32.3	38.8	45.8	52.7	60.8	68.8
65°	0.0	8.3	16.6	23.4	29.3	35.6	43.3	51.0	59.8	68.8	82.9
62.5°	0.0	9.1	18.2	25.0	31.5	39.2	47.7	56.8	66.8	79.9	109.3
60°	0.0	9.8	19.7	26.7	33.6	42.8	52.0	62.8	73.6	103.2	135.2
57.5°	0.0	10.6	20.7	28.2	36.4	46.3	56.9	68.7	91.1	126.0	190.2
55°	0.0	11.3	21.7	29.7	39.1	49.7	61.8	74.4	110.9	156.9	257.9
52.5°	0.0	12.0	22.7	31.2	41.7	53.1	66.6	90.0	130.2	216.2	323.8
50°	0.0	12.7	23.7	32.7	44.3	57.0	71.2	106.3	158.4	273.8	421.0
47.5°	0.0	13.3	24.6	34.1	46.8	60.7	76.9	122.1	207.8	329.4	519.0
45°	0.0	13.9	25.5	35.9	49.1	64.2	89.9	137.3	255.4	413.6	613.5
42.5°	0.0	14.5	26.3	37.6	51.4	67.6	102.4	166.6	301.2	495.1	721.8
40°	0.0	15.1	27.1	39.3	53.8	70.9	114.3	204.7	353.1	573.1	828.3
37.5°	0.0	15.6	27.9	40.8	56.3	74.0	125.6	240.9	418.8	652.1	929.9
35°	0.0	16.1	28.6	42.3	58.6	80.8	136.3	275.3	481.1	738.3	1031.7
32.5°	0.0	16.6	29.3	43.6	60.8	89.2	151.5	307.6	539.8	819.6	1136.0
30°	0.0	17.1	29.9	44.9	62.8	97.0	177.3	341.9	594.7	895.8	1233.8
27.5°	0.0	17.5	30.5	46.1	64.7	104.2	201.2	386.3	650.1	966.6	1324.9
25°	0.0	17.9	31.1	47.2	66.5	110.9	223.3	427.2	707.7	1038.2	1409.4
22.5°	0.0	18.2	31.6	48.2	68.1	117.0	243.4	464.5	760.3	1106.7	1497.6
20°	0.0	18.5	32.0	49.1	69.5	122.5	261.5	498.1	807.7	1168.4	1577.2
17.5°	0.0	18.8	32.4	49.9	70.8	127.3	277.6	528.0	849.8	1223.3	1648.1
15°	0.0	19.0	32.7	50.6	71.9	131.6	291.6	554.0	886.6	1271.2	1709.9
12.5°	0.0	19.2	33.0	51.2	72.8	135.2	303.5	576.1	917.8	1312.0	1762.5
10°	0.0	19.4	33.3	51.6	73.6	138.1	313.2	594.3	943.5	1345.5	1805.8
7.5°	0.0	19.5	33.5	52.0	74.2	140.4	320.9	608.5	963.5	1371.6	1839.6
5°	0.0	19.6	33.6	52.3	74.7	142.1	326.3	618.7	977.9	1390.4	1863.9
2.5°	0.0	19.7	33.7	52.4	74.9	143.1	329.6	624.8	986.5	1401.6	1878.4
0°	0.0	19.7	33.7	52.5	75.0	143.4	330.7	626.8	989.4	1405.4	1883.3
-2.5°	0.0	19.7	33.7	52.4	74.9	143.1	329.6	624.8	986.5	1401.6	1878.4
-5°	0.0	19.6	33.6	52.3	74.7	142.1	326.3	618.7	977.9	1390.4	1863.9
-7.5°	0.0	19.5	33.5	52.0	74.2	140.4	320.9	608.5	963.5	1371.6	1839.6
-10°	0.0	19.4	33.3	51.6	73.6	138.1	313.2	594.3	943.5	1345.5	1805.8
-12.5°	0.0	19.2	33.0	51.2	72.8	135.2	303.5	576.1	917.8	1312.0	1762.5
-15°	0.0	19.0	32.7	50.6	71.9	131.6	291.6	554.0	886.6	1271.2	1709.9
-17.5°	0.0	18.8	32.4	49.9	70.8	127.3	277.6	528.0	849.8	1223.3	1648.1
-20°	0.0	18.5	32.0	49.1	69.5	122.5	261.5	498.1	807.7	1168.4	1577.2



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 CATALOG NUMBER: EPH-LS-16-1200L-40-80-3S-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	18.2	31.6	48.2	68.1	117.0	243.4	464.5	760.3	1106.7	1497.6
-25°	0.0	17.9	31.1	47.2	66.5	110.9	223.3	427.2	707.7	1038.2	1409.4
-27.5°	0.0	17.5	30.5	46.1	64.7	104.2	201.2	386.3	650.1	966.6	1324.9
-30°	0.0	17.1	29.9	44.9	62.8	97.0	177.3	341.9	594.7	895.8	1233.8
-32.5°	0.0	16.6	29.3	43.6	60.8	89.2	151.5	307.6	539.8	819.6	1136.0
-35°	0.0	16.1	28.6	42.3	58.6	80.8	136.3	275.3	481.1	738.3	1031.7
-37.5°	0.0	15.6	27.9	40.8	56.3	74.0	125.6	240.9	418.8	652.1	929.9
-40°	0.0	15.1	27.1	39.3	53.8	70.9	114.3	204.7	353.1	573.1	828.3
-42.5°	0.0	14.5	26.3	37.6	51.4	67.6	102.4	166.6	301.2	495.1	721.8
-45°	0.0	13.9	25.5	35.9	49.1	64.2	89.9	137.3	255.4	413.6	613.5
-47.5°	0.0	13.3	24.6	34.1	46.8	60.7	76.9	122.1	207.8	329.4	519.0
-50°	0.0	12.7	23.7	32.7	44.3	57.0	71.2	106.3	158.4	273.8	421.0
-52.5°	0.0	12.0	22.7	31.2	41.7	53.1	66.6	90.0	130.2	216.2	323.8
-55°	0.0	11.3	21.7	29.7	39.1	49.7	61.8	74.4	110.9	156.9	257.9
-57.5°	0.0	10.6	20.7	28.2	36.4	46.3	56.9	68.7	91.1	126.0	190.2
-60°	0.0	9.8	19.7	26.7	33.6	42.8	52.0	62.8	73.6	103.2	135.2
-62.5°	0.0	9.1	18.2	25.0	31.5	39.2	47.7	56.8	66.8	79.9	109.3
-65°	0.0	8.3	16.6	23.4	29.3	35.6	43.3	51.0	59.8	68.8	82.9
-67.5°	0.0	7.5	15.1	21.7	27.0	32.3	38.8	45.8	52.7	60.8	68.8
-70°	0.0	6.7	13.5	20.0	24.8	29.5	34.3	40.5	46.6	52.7	59.8
-72.5°	0.0	5.9	11.8	17.7	22.5	26.6	30.7	35.1	40.5	45.8	51.0
-75°	0.0	5.1	10.2	15.3	20.1	23.7	27.2	30.7	34.3	38.8	43.3
-77.5°	0.0	4.3	8.5	12.8	17.0	20.7	23.7	26.6	29.5	32.3	35.6
-80°	0.0	3.4	6.8	10.2	13.6	17.0	20.1	22.5	24.8	27.0	29.3
-82.5°	0.0	2.6	5.1	7.7	10.2	12.8	15.3	17.7	20.0	21.7	23.4
-85°	0.0	1.7	3.4	5.1	6.8	8.5	10.2	11.8	13.5	15.1	16.6
-87.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	5.9	6.7	7.5	8.3
-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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 CATALOG NUMBER: EPH-LS-16-1200L-40-80-3S-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°	9.1	9.8	10.6	11.3	12.0	12.7	13.3	13.9	14.5	15.1	15.6
85°	18.2	19.7	20.7	21.7	22.7	23.7	24.6	25.5	26.3	27.1	27.9
82.5°	25.0	26.7	28.2	29.7	31.2	32.7	34.1	35.9	37.6	39.3	40.8
80°	31.5	33.6	36.4	39.1	41.7	44.3	46.8	49.1	51.4	53.8	56.3
77.5°	39.2	42.8	46.3	49.7	53.1	57.0	60.7	64.2	67.6	70.9	74.0
75°	47.7	52.0	56.9	61.8	66.6	71.2	76.9	89.9	102.4	114.3	125.6
72.5°	56.8	62.8	68.7	74.4	90.0	106.3	122.1	137.3	166.6	204.7	240.9
70°	66.8	73.6	91.1	110.9	130.2	158.4	207.8	255.4	301.2	353.1	418.8
67.5°	79.9	103.2	126.0	156.9	216.2	273.8	329.4	413.6	495.1	573.1	652.1
65°	109.3	135.2	190.2	257.9	323.8	421.0	519.0	613.5	721.8	828.3	929.9
62.5°	138.2	207.0	283.1	373.1	487.7	599.1	725.0	852.6	975.4	1108.4	1237.2
60°	207.0	291.6	399.9	528.0	658.8	807.7	952.1	1106.7	1260.9	1409.4	1571.8
57.5°	283.1	399.9	541.5	692.0	857.7	1023.4	1203.1	1377.0	1565.4	1750.5	1929.5
55°	373.1	528.0	692.0	874.5	1062.1	1261.4	1462.6	1678.3	1886.7	2096.4	2297.2
52.5°	487.7	658.8	857.7	1062.1	1280.9	1507.8	1746.6	1982.7	2217.2	2451.0	2696.8
50°	599.1	807.7	1023.4	1261.4	1507.8	1769.5	2031.0	2290.3	2562.7	2837.5	3125.1
47.5°	725.0	952.1	1203.1	1462.6	1746.6	2031.0	2314.9	2618.9	2922.8	3258.0	3584.8
45°	852.6	1106.7	1377.0	1678.3	1982.7	2290.3	2618.9	2951.4	3325.0	3686.3	4033.7
42.5°	975.4	1260.9	1565.4	1886.7	2217.2	2562.7	2922.8	3325.0	3720.3	4102.8	4463.7
40°	1108.4	1409.4	1750.5	2096.4	2451.0	2837.5	3258.0	3686.3	4102.8	4497.6	4873.4
37.5°	1237.2	1571.8	1929.5	2297.2	2696.8	3125.1	3584.8	4033.7	4463.7	4873.4	5327.8
35°	1359.6	1726.2	2105.9	2502.7	2931.4	3417.0	3896.8	4362.9	4804.6	5287.2	6127.7
32.5°	1485.6	1872.2	2272.8	2708.5	3185.8	3694.3	4193.9	4668.1	5166.4	5852.4	7539.2
30°	1610.1	2015.2	2436.0	2902.3	3428.7	3955.6	4466.5	4967.5	5522.7	7118.0	8721.1
27.5°	1726.2	2149.0	2602.3	3104.3	3656.0	4200.7	4720.0	5280.9	6425.7	8258.7	9754.0
25°	1833.4	2272.8	2756.3	3298.6	3866.4	4421.9	4965.8	5573.5	7471.9	9165.4	10389.3
22.5°	1933.7	2386.4	2897.4	3476.9	4059.8	4623.1	5216.2	6375.3	8360.0	9989.4	10892.6
20°	2026.5	2502.7	3036.7	3638.3	4235.2	4806.0	5444.1	7195.4	9075.2	10418.8	11409.6
17.5°	2109.0	2606.3	3168.4	3782.1	4386.9	4981.4	5725.8	7931.8	9718.9	10806.2	11902.9
15°	2181.1	2696.8	3283.7	3908.0	4518.8	5146.7	6323.5	8473.2	10145.3	11166.3	12344.7
12.5°	2242.6	2774.0	3382.0	4015.5	4631.6	5288.2	6835.6	8922.9	10417.2	11514.2	12855.2
10°	2293.1	2837.5	3463.0	4104.1	4724.7	5405.0	7259.1	9295.2	10642.7	11803.3	13280.3
7.5°	2332.6	2887.2	3526.4	4173.5	4797.5	5496.6	7591.4	9587.6	10820.0	12031.1	13615.7
5°	2360.9	2922.8	3571.8	4223.2	4849.9	5562.3	7830.2	9798.1	10947.7	12195.3	13858.1
2.5°	2377.9	2944.3	3599.2	4253.2	4881.4	5602.0	7974.2	9925.0	11024.8	12294.5	14004.6
0°	2383.6	2951.4	3608.3	4263.2	4891.9	5615.2	8022.3	9967.4	11050.6	12327.7	14053.6
-2.5°	2377.9	2944.3	3599.2	4253.2	4881.4	5602.0	7974.2	9925.0	11024.8	12294.5	14004.6
-5°	2360.9	2922.8	3571.8	4223.2	4849.9	5562.3	7830.2	9798.1	10947.7	12195.3	13858.1
-7.5°	2332.6	2887.2	3526.4	4173.5	4797.5	5496.6	7591.4	9587.6	10820.0	12031.1	13615.7
-10°	2293.1	2837.5	3463.0	4104.1	4724.7	5405.0	7259.1	9295.2	10642.7	11803.3	13280.3
-12.5°	2242.6	2774.0	3382.0	4015.5	4631.6	5288.2	6835.6	8922.9	10417.2	11514.2	12855.2
-15°	2181.1	2696.8	3283.7	3908.0	4518.8	5146.7	6323.5	8473.2	10145.3	11166.3	12344.7
-17.5°	2109.0	2606.3	3168.4	3782.1	4386.9	4981.4	5725.8	7931.8	9718.9	10806.2	11902.9
-20°	2026.5	2502.7	3036.7	3638.3	4235.2	4806.0	5444.1	7195.4	9075.2	10418.8	11409.6



REPORT NUMBER: P699875 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-3S-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1933.7	2386.4	2897.4	3476.9	4059.8	4623.1	5216.2	6375.3	8360.0	9989.4	10892.6
-25°	1833.4	2272.8	2756.3	3298.6	3866.4	4421.9	4965.8	5573.5	7471.9	9165.4	10389.3
-27.5°	1726.2	2149.0	2602.3	3104.3	3656.0	4200.7	4720.0	5280.9	6425.7	8258.7	9754.0
-30°	1610.1	2015.2	2436.0	2902.3	3428.7	3955.6	4466.5	4967.5	5522.7	7118.0	8721.1
-32.5°	1485.6	1872.2	2272.8	2708.5	3185.8	3694.3	4193.9	4668.1	5166.4	5852.4	7539.2
-35°	1359.6	1726.2	2105.9	2502.7	2931.4	3417.0	3896.8	4362.9	4804.6	5287.2	6127.7
-37.5°	1237.2	1571.8	1929.5	2297.2	2696.8	3125.1	3584.8	4033.7	4463.7	4873.4	5327.8
-40°	1108.4	1409.4	1750.5	2096.4	2451.0	2837.5	3258.0	3686.3	4102.8	4497.6	4873.4
-42.5°	975.4	1260.9	1565.4	1886.7	2217.2	2562.7	2922.8	3325.0	3720.3	4102.8	4463.7
-45°	852.6	1106.7	1377.0	1678.3	1982.7	2290.3	2618.9	2951.4	3325.0	3686.3	4033.7
-47.5°	725.0	952.1	1203.1	1462.6	1746.6	2031.0	2314.9	2618.9	2922.8	3258.0	3584.8
-50°	599.1	807.7	1023.4	1261.4	1507.8	1769.5	2031.0	2290.3	2562.7	2837.5	3125.1
-52.5°	487.7	658.8	857.7	1062.1	1280.9	1507.8	1746.6	1982.7	2217.2	2451.0	2696.8
-55°	373.1	528.0	692.0	874.5	1062.1	1261.4	1462.6	1678.3	1886.7	2096.4	2297.2
-57.5°	283.1	399.9	541.5	692.0	857.7	1023.4	1203.1	1377.0	1565.4	1750.5	1929.5
-60°	207.0	291.6	399.9	528.0	658.8	807.7	952.1	1106.7	1260.9	1409.4	1571.8
-62.5°	138.2	207.0	283.1	373.1	487.7	599.1	725.0	852.6	975.4	1108.4	1237.2
-65°	109.3	135.2	190.2	257.9	323.8	421.0	519.0	613.5	721.8	828.3	929.9
-67.5°	79.9	103.2	126.0	156.9	216.2	273.8	329.4	413.6	495.1	573.1	652.1
-70°	66.8	73.6	91.1	110.9	130.2	158.4	207.8	255.4	301.2	353.1	418.8
-72.5°	56.8	62.8	68.7	74.4	90.0	106.3	122.1	137.3	166.6	204.7	240.9
-75°	47.7	52.0	56.9	61.8	66.6	71.2	76.9	89.9	102.4	114.3	125.6
-77.5°	39.2	42.8	46.3	49.7	53.1	57.0	60.7	64.2	67.6	70.9	74.0
-80°	31.5	33.6	36.4	39.1	41.7	44.3	46.8	49.1	51.4	53.8	56.3
-82.5°	25.0	26.7	28.2	29.7	31.2	32.7	34.1	35.9	37.6	39.3	40.8
-85°	18.2	19.7	20.7	21.7	22.7	23.7	24.6	25.5	26.3	27.1	27.9
-87.5°	9.1	9.8	10.6	11.3	12.0	12.7	13.3	13.9	14.5	15.1	15.6
-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: P699875 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-3S-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°	16.1	16.6	17.1	17.5	17.9	18.2	18.5	18.8	19.0	19.2	19.4
85°	28.6	29.3	29.9	30.5	31.1	31.6	32.0	32.4	32.7	33.0	33.3
82.5°	42.3	43.6	44.9	46.1	47.2	48.2	49.1	49.9	50.6	51.2	51.6
80°	58.6	60.8	62.8	64.7	66.5	68.1	69.5	70.8	71.9	72.8	73.6
77.5°	80.8	89.2	97.0	104.2	110.9	117.0	122.5	127.3	131.6	135.2	138.1
75°	136.3	151.5	177.3	201.2	223.3	243.4	261.5	277.6	291.6	303.5	313.2
72.5°	275.3	307.6	341.9	386.3	427.2	464.5	498.1	528.0	554.0	576.1	594.3
70°	481.1	539.8	594.7	650.1	707.7	760.3	807.7	849.8	886.6	917.8	943.5
67.5°	738.3	819.6	895.8	966.6	1038.2	1106.7	1168.4	1223.3	1271.2	1312.0	1345.5
65°	1031.7	1136.0	1233.8	1324.9	1409.4	1497.6	1577.2	1648.1	1709.9	1762.5	1805.8
62.5°	1359.6	1485.6	1610.1	1726.2	1833.4	1933.7	2026.5	2109.0	2181.1	2242.6	2293.1
60°	1726.2	1872.2	2015.2	2149.0	2272.8	2386.4	2502.7	2606.3	2696.8	2774.0	2837.5
57.5°	2105.9	2272.8	2436.0	2602.3	2756.3	2897.4	3036.7	3168.4	3283.7	3382.0	3463.0
55°	2502.7	2708.5	2902.3	3104.3	3298.6	3476.9	3638.3	3782.1	3908.0	4015.5	4104.1
52.5°	2931.4	3185.8	3428.7	3656.0	3866.4	4059.8	4235.2	4386.9	4518.8	4631.6	4724.7
50°	3417.0	3694.3	3955.6	4200.7	4421.9	4623.1	4806.0	4981.4	5146.7	5288.2	5405.0
47.5°	3896.8	4193.9	4466.5	4720.0	4965.8	5216.2	5444.1	5725.8	6323.5	6835.6	7259.1
45°	4362.9	4668.1	4967.5	5280.9	5573.5	6375.3	7195.4	7931.8	8473.2	8922.9	9295.2
42.5°	4804.6	5166.4	5522.7	6425.7	7471.9	8360.0	9075.2	9718.9	10145.3	10417.2	10642.7
40°	5287.2	5852.4	7118.0	8258.7	9165.4	9989.4	10418.8	10806.2	11166.3	11514.2	11803.3
37.5°	6127.7	7539.2	8721.1	9754.0	10389.3	10892.6	11409.6	11902.9	12344.7	12855.2	13280.3
35°	7680.6	8954.9	10048.3	10661.4	11273.6	11910.2	12556.6	13276.4	13916.6	14651.1	15313.7
32.5°	8954.9	10115.4	10799.2	11523.6	12251.7	13146.9	14000.1	15089.1	16081.9	17154.4	18236.7
30°	10048.3	10799.2	11607.6	12459.0	13508.3	14685.8	15998.5	17535.6	19147.7	20720.3	22491.3
27.5°	10661.4	11523.6	12459.0	13630.0	15046.1	16573.5	18685.8	20829.7	23449.3	25747.0	30258.8
25°	11273.6	12251.7	13508.3	15046.1	16855.6	19272.1	22196.0	25336.1	31411.8	37268.0	45836.3
22.5°	11910.2	13146.9	14685.8	16573.5	19272.1	22657.9	27026.2	34933.6	45652.7	58504.4	72037.9
20°	12556.6	14000.1	15998.5	18685.8	22196.0	27026.2	36128.1	50684.8	67397.6	88665.1	108283.3
17.5°	13276.4	15089.1	17535.6	20829.7	25336.1	34933.6	50684.8	71462.6	97285.4	126673.6	154214.5
15°	13916.6	16081.9	19147.7	23449.3	31411.8	45652.7	67397.6	97285.4	132981.5	169709.2	205660.8
12.5°	14651.1	17154.4	20720.3	25747.0	37268.0	58504.4	88665.1	126673.6	169709.2	214392.7	256995.9
10°	15313.7	18236.7	22491.3	30258.8	45836.3	72037.9	108283.3	154214.5	205660.8	256995.9	307513.1
7.5°	15837.7	19095.1	23900.8	33875.7	53843.6	85444.0	128466.4	180478.9	236925.8	294858.3	353703.2
5°	16217.0	19717.7	24925.7	36515.0	59712.8	95327.5	143461.3	200403.0	261266.4	326136.2	392087.9
2.5°	16446.5	20095.1	25548.4	38122.2	63298.3	101390.9	152714.0	212798.2	276592.0	346097.8	420088.4
0°	16523.4	20221.6	25757.2	38662.0	64504.5	103435.4	155843.7	217009.8	281834.7	353048.8	430150.8
-2.5°	16446.5	20095.1	25548.4	38122.2	63298.3	101390.9	152714.0	212798.2	276592.0	346097.8	420088.4
-5°	16217.0	19717.7	24925.7	36515.0	59712.8	95327.5	143461.3	200403.0	261266.4	326136.2	392087.9
-7.5°	15837.7	19095.1	23900.8	33875.7	53843.6	85444.0	128466.4	180478.9	236925.8	294858.3	353703.2
-10°	15313.7	18236.7	22491.3	30258.8	45836.3	72037.9	108283.3	154214.5	205660.8	256995.9	307513.1
-12.5°	14651.1	17154.4	20720.3	25747.0	37268.0	58504.4	88665.1	126673.6	169709.2	214392.7	256995.9
-15°	13916.6	16081.9	19147.7	23449.3	31411.8	45652.7	67397.6	97285.4	132981.5	169709.2	205660.8
-17.5°	13276.4	15089.1	17535.6	20829.7	25336.1	34933.6	50684.8	71462.6	97285.4	126673.6	154214.5
-20°	12556.6	14000.1	15998.5	18685.8	22196.0	27026.2	36128.1	50684.8	67397.6	88665.1	108283.3



REPORT NUMBER: P699875 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-3S-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11910.2	13146.9	14685.8	16573.5	19272.1	22657.9	27026.2	34933.6	45652.7	58504.4	72037.9
-25°	11273.6	12251.7	13508.3	15046.1	16855.6	19272.1	22196.0	25336.1	31411.8	37268.0	45836.3
-27.5°	10661.4	11523.6	12459.0	13630.0	15046.1	16573.5	18685.8	20829.7	23449.3	25747.0	30258.8
-30°	10048.3	10799.2	11607.6	12459.0	13508.3	14685.8	15998.5	17535.6	19147.7	20720.3	22491.3
-32.5°	8954.9	10115.4	10799.2	11523.6	12251.7	13146.9	14000.1	15089.1	16081.9	17154.4	18236.7
-35°	7680.6	8954.9	10048.3	10661.4	11273.6	11910.2	12556.6	13276.4	13916.6	14651.1	15313.7
-37.5°	6127.7	7539.2	8721.1	9754.0	10389.3	10892.6	11409.6	11902.9	12344.7	12855.2	13280.3
-40°	5287.2	5852.4	7118.0	8258.7	9165.4	9989.4	10418.8	10806.2	11166.3	11514.2	11803.3
-42.5°	4804.6	5166.4	5522.7	6425.7	7471.9	8360.0	9075.2	9718.9	10145.3	10417.2	10642.7
-45°	4362.9	4668.1	4967.5	5280.9	5573.5	6375.3	7195.4	7931.8	8473.2	8922.9	9295.2
-47.5°	3896.8	4193.9	4466.5	4720.0	4965.8	5216.2	5444.1	5725.8	6323.5	6835.6	7259.1
-50°	3417.0	3694.3	3955.6	4200.7	4421.9	4623.1	4806.0	4981.4	5146.7	5288.2	5405.0
-52.5°	2931.4	3185.8	3428.7	3656.0	3866.4	4059.8	4235.2	4386.9	4518.8	4631.6	4724.7
-55°	2502.7	2708.5	2902.3	3104.3	3298.6	3476.9	3638.3	3782.1	3908.0	4015.5	4104.1
-57.5°	2105.9	2272.8	2436.0	2602.3	2756.3	2897.4	3036.7	3168.4	3283.7	3382.0	3463.0
-60°	1726.2	1872.2	2015.2	2149.0	2272.8	2386.4	2502.7	2606.3	2696.8	2774.0	2837.5
-62.5°	1359.6	1485.6	1610.1	1726.2	1833.4	1933.7	2026.5	2109.0	2181.1	2242.6	2293.1
-65°	1031.7	1136.0	1233.8	1324.9	1409.4	1497.6	1577.2	1648.1	1709.9	1762.5	1805.8
-67.5°	738.3	819.6	895.8	966.6	1038.2	1106.7	1168.4	1223.3	1271.2	1312.0	1345.5
-70°	481.1	539.8	594.7	650.1	707.7	760.3	807.7	849.8	886.6	917.8	943.5
-72.5°	275.3	307.6	341.9	386.3	427.2	464.5	498.1	528.0	554.0	576.1	594.3
-75°	136.3	151.5	177.3	201.2	223.3	243.4	261.5	277.6	291.6	303.5	313.2
-77.5°	80.8	89.2	97.0	104.2	110.9	117.0	122.5	127.3	131.6	135.2	138.1
-80°	58.6	60.8	62.8	64.7	66.5	68.1	69.5	70.8	71.9	72.8	73.6
-82.5°	42.3	43.6	44.9	46.1	47.2	48.2	49.1	49.9	50.6	51.2	51.6
-85°	28.6	29.3	29.9	30.5	31.1	31.6	32.0	32.4	32.7	33.0	33.3
-87.5°	16.1	16.6	17.1	17.5	17.9	18.2	18.5	18.8	19.0	19.2	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: P699875 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-3S-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°	19.5	19.6	19.7	19.7	19.7	19.6	19.5	19.4	19.2	19.0	18.8
85°	33.5	33.6	33.7	33.7	33.7	33.6	33.5	33.3	33.0	32.7	32.4
82.5°	52.0	52.3	52.4	52.5	52.4	52.3	52.0	51.6	51.2	50.6	49.9
80°	74.2	74.7	74.9	75.0	74.9	74.7	74.2	73.6	72.8	71.9	70.8
77.5°	140.4	142.1	143.1	143.4	143.1	142.1	140.4	138.1	135.2	131.6	127.3
75°	320.9	326.3	329.6	330.7	329.6	326.3	320.9	313.2	303.5	291.6	277.6
72.5°	608.5	618.7	624.8	626.8	624.8	618.7	608.5	594.3	576.1	554.0	528.0
70°	963.5	977.9	986.5	989.4	986.5	977.9	963.5	943.5	917.8	886.6	849.8
67.5°	1371.6	1390.4	1401.6	1405.4	1401.6	1390.4	1371.6	1345.5	1312.0	1271.2	1223.3
65°	1839.6	1863.9	1878.4	1883.3	1878.4	1863.9	1839.6	1805.8	1762.5	1709.9	1648.1
62.5°	2332.6	2360.9	2377.9	2383.6	2377.9	2360.9	2332.6	2293.1	2242.6	2181.1	2109.0
60°	2887.2	2922.8	2944.3	2951.4	2944.3	2922.8	2887.2	2837.5	2774.0	2696.8	2606.3
57.5°	3526.4	3571.8	3599.2	3608.3	3599.2	3571.8	3526.4	3463.0	3382.0	3283.7	3168.4
55°	4173.5	4223.2	4253.2	4263.2	4253.2	4223.2	4173.5	4104.1	4015.5	3908.0	3782.1
52.5°	4797.5	4849.9	4881.4	4891.9	4881.4	4849.9	4797.5	4724.7	4631.6	4518.8	4386.9
50°	5496.6	5562.3	5602.0	5615.2	5602.0	5562.3	5496.6	5405.0	5288.2	5146.7	4981.4
47.5°	7591.4	7830.2	7974.2	8022.3	7974.2	7830.2	7591.4	7259.1	6835.6	6323.5	5725.8
45°	9587.6	9798.1	9925.0	9967.4	9925.0	9798.1	9587.6	9295.2	8922.9	8473.2	7931.8
42.5°	10820.0	10947.7	11024.8	11050.6	11024.8	10947.7	10820.0	10642.7	10417.2	10145.3	9718.9
40°	12031.1	12195.3	12294.5	12327.7	12294.5	12195.3	12031.1	11803.3	11514.2	11166.3	10806.2
37.5°	13615.7	13858.1	14004.6	14053.6	14004.6	13858.1	13615.7	13280.3	12855.2	12344.7	11902.9
35°	15837.7	16217.0	16446.5	16523.4	16446.5	16217.0	15837.7	15313.7	14651.1	13916.6	13276.4
32.5°	19095.1	19717.7	20095.1	20221.6	20095.1	19717.7	19095.1	18236.7	17154.4	16081.9	15089.1
30°	23900.8	24925.7	25548.4	25757.2	25548.4	24925.7	23900.8	22491.3	20720.3	19147.7	17535.6
27.5°	33875.7	36515.0	38122.2	38662.0	38122.2	36515.0	33875.7	30258.8	25747.0	23449.3	20829.7
25°	53843.6	59712.8	63298.3	64504.5	63298.3	59712.8	53843.6	45836.3	37268.0	31411.8	25336.1
22.5°	85444.0	95327.5	101390.9	103435.4	101390.9	95327.5	85444.0	72037.9	58504.4	45652.7	34933.6
20°	128466.4	143461.3	152714.0	155843.7	152714.0	143461.3	128466.4	108283.3	88665.1	67397.6	50684.8
17.5°	180478.9	200403.0	212798.2	217009.8	212798.2	200403.0	180478.9	154214.5	126673.6	97285.4	71462.6
15°	236925.8	261266.4	276592.0	281834.7	276592.0	261266.4	236925.8	205660.8	169709.2	132981.5	97285.4
12.5°	294858.3	326136.2	346097.8	353048.8	346097.8	326136.2	294858.3	256995.9	214392.7	169709.2	126673.6
10°	353703.2	392087.9	420088.4	430150.8	420088.4	392087.9	353703.2	307513.1	256995.9	205660.8	154214.5
7.5°	410618.7	463845.0	495587.9	504722.0	495587.9	463845.0	410618.7	353703.2	294858.3	236925.8	180478.9
5°	463845.0	514535.1	544600.8	556152.1	544600.8	514535.1	463845.0	392087.9	326136.2	261266.4	200403.0
2.5°	495587.9	544600.8	584840.4	603595.4	584840.4	544600.8	495587.9	420088.4	346097.8	276592.0	212798.2
0°	504722.0	556152.1	603595.4	626898.6	603595.4	556152.1	504722.0	430150.8	353048.8	281834.7	217009.8
-2.5°	495587.9	544600.8	584840.4	603595.4	584840.4	544600.8	495587.9	420088.4	346097.8	276592.0	212798.2
-5°	463845.0	514535.1	544600.8	556152.1	544600.8	514535.1	463845.0	392087.9	326136.2	261266.4	200403.0
-7.5°	410618.7	463845.0	495587.9	504722.0	495587.9	463845.0	410618.7	353703.2	294858.3	236925.8	180478.9
-10°	353703.2	392087.9	420088.4	430150.8	420088.4	392087.9	353703.2	307513.1	256995.9	205660.8	154214.5
-12.5°	294858.3	326136.2	346097.8	353048.8	346097.8	326136.2	294858.3	256995.9	214392.7	169709.2	126673.6
-15°	236925.8	261266.4	276592.0	281834.7	276592.0	261266.4	236925.8	205660.8	169709.2	132981.5	97285.4
-17.5°	180478.9	200403.0	212798.2	217009.8	212798.2	200403.0	180478.9	154214.5	126673.6	97285.4	71462.6
-20°	128466.4	143461.3	152714.0	155843.7	152714.0	143461.3	128466.4	108283.3	88665.1	67397.6	50684.8



REPORT NUMBER: P699875 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-3S-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	85444.0	95327.5	101390.9	103435.4	101390.9	95327.5	85444.0	72037.9	58504.4	45652.7	34933.6
-25°	53843.6	59712.8	63298.3	64504.5	63298.3	59712.8	53843.6	45836.3	37268.0	31411.8	25336.1
-27.5°	33875.7	36515.0	38122.2	38662.0	38122.2	36515.0	33875.7	30258.8	25747.0	23449.3	20829.7
-30°	23900.8	24925.7	25548.4	25757.2	25548.4	24925.7	23900.8	22491.3	20720.3	19147.7	17535.6
-32.5°	19095.1	19717.7	20095.1	20221.6	20095.1	19717.7	19095.1	18236.7	17154.4	16081.9	15089.1
-35°	15837.7	16217.0	16446.5	16523.4	16446.5	16217.0	15837.7	15313.7	14651.1	13916.6	13276.4
-37.5°	13615.7	13858.1	14004.6	14053.6	14004.6	13858.1	13615.7	13280.3	12855.2	12344.7	11902.9
-40°	12031.1	12195.3	12294.5	12327.7	12294.5	12195.3	12031.1	11803.3	11514.2	11166.3	10806.2
-42.5°	10820.0	10947.7	11024.8	11050.6	11024.8	10947.7	10820.0	10642.7	10417.2	10145.3	9718.9
-45°	9587.6	9798.1	9925.0	9967.4	9925.0	9798.1	9587.6	9295.2	8922.9	8473.2	7931.8
-47.5°	7591.4	7830.2	7974.2	8022.3	7974.2	7830.2	7591.4	7259.1	6835.6	6323.5	5725.8
-50°	5496.6	5562.3	5602.0	5615.2	5602.0	5562.3	5496.6	5405.0	5288.2	5146.7	4981.4
-52.5°	4797.5	4849.9	4881.4	4891.9	4881.4	4849.9	4797.5	4724.7	4631.6	4518.8	4386.9
-55°	4173.5	4223.2	4253.2	4263.2	4253.2	4223.2	4173.5	4104.1	4015.5	3908.0	3782.1
-57.5°	3526.4	3571.8	3599.2	3608.3	3599.2	3571.8	3526.4	3463.0	3382.0	3283.7	3168.4
-60°	2887.2	2922.8	2944.3	2951.4	2944.3	2922.8	2887.2	2837.5	2774.0	2696.8	2606.3
-62.5°	2332.6	2360.9	2377.9	2383.6	2377.9	2360.9	2332.6	2293.1	2242.6	2181.1	2109.0
-65°	1839.6	1863.9	1878.4	1883.3	1878.4	1863.9	1839.6	1805.8	1762.5	1709.9	1648.1
-67.5°	1371.6	1390.4	1401.6	1405.4	1401.6	1390.4	1371.6	1345.5	1312.0	1271.2	1223.3
-70°	963.5	977.9	986.5	989.4	986.5	977.9	963.5	943.5	917.8	886.6	849.8
-72.5°	608.5	618.7	624.8	626.8	624.8	618.7	608.5	594.3	576.1	554.0	528.0
-75°	320.9	326.3	329.6	330.7	329.6	326.3	320.9	313.2	303.5	291.6	277.6
-77.5°	140.4	142.1	143.1	143.4	143.1	142.1	140.4	138.1	135.2	131.6	127.3
-80°	74.2	74.7	74.9	75.0	74.9	74.7	74.2	73.6	72.8	71.9	70.8
-82.5°	52.0	52.3	52.4	52.5	52.4	52.3	52.0	51.6	51.2	50.6	49.9
-85°	33.5	33.6	33.7	33.7	33.7	33.6	33.5	33.3	33.0	32.7	32.4
-87.5°	19.5	19.6	19.7	19.7	19.7	19.6	19.5	19.4	19.2	19.0	18.8
-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: P699875 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-3S-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°	18.5	18.2	17.9	17.5	17.1	16.6	16.1	15.6	15.1	14.5	13.9
85°	32.0	31.6	31.1	30.5	29.9	29.3	28.6	27.9	27.1	26.3	25.5
82.5°	49.1	48.2	47.2	46.1	44.9	43.6	42.3	40.8	39.3	37.6	35.9
80°	69.5	68.1	66.5	64.7	62.8	60.8	58.6	56.3	53.8	51.4	49.1
77.5°	122.5	117.0	110.9	104.2	97.0	89.2	80.8	74.0	70.9	67.6	64.2
75°	261.5	243.4	223.3	201.2	177.3	151.5	136.3	125.6	114.3	102.4	89.9
72.5°	498.1	464.5	427.2	386.3	341.9	307.6	275.3	240.9	204.7	166.6	137.3
70°	807.7	760.3	707.7	650.1	594.7	539.8	481.1	418.8	353.1	301.2	255.4
67.5°	1168.4	1106.7	1038.2	966.6	895.8	819.6	738.3	652.1	573.1	495.1	413.6
65°	1577.2	1497.6	1409.4	1324.9	1233.8	1136.0	1031.7	929.9	828.3	721.8	613.5
62.5°	2026.5	1933.7	1833.4	1726.2	1610.1	1485.6	1359.6	1237.2	1108.4	975.4	852.6
60°	2502.7	2386.4	2272.8	2149.0	2015.2	1872.2	1726.2	1571.8	1409.4	1260.9	1106.7
57.5°	3036.7	2897.4	2756.3	2602.3	2436.0	2272.8	2105.9	1929.5	1750.5	1565.4	1377.0
55°	3638.3	3476.9	3298.6	3104.3	2902.3	2708.5	2502.7	2297.2	2096.4	1886.7	1678.3
52.5°	4235.2	4059.8	3866.4	3656.0	3428.7	3185.8	2931.4	2696.8	2451.0	2217.2	1982.7
50°	4806.0	4623.1	4421.9	4200.7	3955.6	3694.3	3417.0	3125.1	2837.5	2562.7	2290.3
47.5°	5444.1	5216.2	4965.8	4720.0	4466.5	4193.9	3896.8	3584.8	3258.0	2922.8	2618.9
45°	7195.4	6375.3	5573.5	5280.9	4967.5	4668.1	4362.9	4033.7	3686.3	3325.0	2951.4
42.5°	9075.2	8360.0	7471.9	6425.7	5522.7	5166.4	4804.6	4463.7	4102.8	3720.3	3325.0
40°	10418.8	9989.4	9165.4	8258.7	7118.0	5852.4	5287.2	4873.4	4497.6	4102.8	3686.3
37.5°	11409.6	10892.6	10389.3	9754.0	8721.1	7539.2	6127.7	5327.8	4873.4	4463.7	4033.7
35°	12556.6	11910.2	11273.6	10661.4	10048.3	8954.9	7680.6	6127.7	5287.2	4804.6	4362.9
32.5°	14000.1	13146.9	12251.7	11523.6	10799.2	10115.4	8954.9	7539.2	5852.4	5166.4	4668.1
30°	15998.5	14685.8	13508.3	12459.0	11607.6	10799.2	10048.3	8721.1	7118.0	5522.7	4967.5
27.5°	18685.8	16573.5	15046.1	13630.0	12459.0	11523.6	10661.4	9754.0	8258.7	6425.7	5280.9
25°	22196.0	19272.1	16855.6	15046.1	13508.3	12251.7	11273.6	10389.3	9165.4	7471.9	5573.5
22.5°	27026.2	22657.9	19272.1	16573.5	14685.8	13146.9	11910.2	10892.6	9989.4	8360.0	6375.3
20°	36128.1	27026.2	22196.0	18685.8	15998.5	14000.1	12556.6	11409.6	10418.8	9075.2	7195.4
17.5°	50684.8	34933.6	25336.1	20829.7	17535.6	15089.1	13276.4	11902.9	10806.2	9718.9	7931.8
15°	67397.6	45652.7	31411.8	23449.3	19147.7	16081.9	13916.6	12344.7	11166.3	10145.3	8473.2
12.5°	88665.1	58504.4	37268.0	25747.0	20720.3	17154.4	14651.1	12855.2	11514.2	10417.2	8922.9
10°	108283.3	72037.9	45836.3	30258.8	22491.3	18236.7	15313.7	13280.3	11803.3	10642.7	9295.2
7.5°	128466.4	85444.0	53843.6	33875.7	23900.8	19095.1	15837.7	13615.7	12031.1	10820.0	9587.6
5°	143461.3	95327.5	59712.8	36515.0	24925.7	19717.7	16217.0	13858.1	12195.3	10947.7	9798.1
2.5°	152714.0	101390.9	63298.3	38122.2	25548.4	20095.1	16446.5	14004.6	12294.5	11024.8	9925.0
0°	155843.7	103435.4	64504.5	38662.0	25757.2	20221.6	16523.4	14053.6	12327.7	11050.6	9967.4
-2.5°	152714.0	101390.9	63298.3	38122.2	25548.4	20095.1	16446.5	14004.6	12294.5	11024.8	9925.0
-5°	143461.3	95327.5	59712.8	36515.0	24925.7	19717.7	16217.0	13858.1	12195.3	10947.7	9798.1
-7.5°	128466.4	85444.0	53843.6	33875.7	23900.8	19095.1	15837.7	13615.7	12031.1	10820.0	9587.6
-10°	108283.3	72037.9	45836.3	30258.8	22491.3	18236.7	15313.7	13280.3	11803.3	10642.7	9295.2
-12.5°	88665.1	58504.4	37268.0	25747.0	20720.3	17154.4	14651.1	12855.2	11514.2	10417.2	8922.9
-15°	67397.6	45652.7	31411.8	23449.3	19147.7	16081.9	13916.6	12344.7	11166.3	10145.3	8473.2
-17.5°	50684.8	34933.6	25336.1	20829.7	17535.6	15089.1	13276.4	11902.9	10806.2	9718.9	7931.8
-20°	36128.1	27026.2	22196.0	18685.8	15998.5	14000.1	12556.6	11409.6	10418.8	9075.2	7195.4



REPORT NUMBER: P699875 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-3S-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	27026.2	22657.9	19272.1	16573.5	14685.8	13146.9	11910.2	10892.6	9989.4	8360.0	6375.3
-25°	22196.0	19272.1	16855.6	15046.1	13508.3	12251.7	11273.6	10389.3	9165.4	7471.9	5573.5
-27.5°	18685.8	16573.5	15046.1	13630.0	12459.0	11523.6	10661.4	9754.0	8258.7	6425.7	5280.9
-30°	15998.5	14685.8	13508.3	12459.0	11607.6	10799.2	10048.3	8721.1	7118.0	5522.7	4967.5
-32.5°	14000.1	13146.9	12251.7	11523.6	10799.2	10115.4	8954.9	7539.2	5852.4	5166.4	4668.1
-35°	12556.6	11910.2	11273.6	10661.4	10048.3	8954.9	7680.6	6127.7	5287.2	4804.6	4362.9
-37.5°	11409.6	10892.6	10389.3	9754.0	8721.1	7539.2	6127.7	5327.8	4873.4	4463.7	4033.7
-40°	10418.8	9989.4	9165.4	8258.7	7118.0	5852.4	5287.2	4873.4	4497.6	4102.8	3686.3
-42.5°	9075.2	8360.0	7471.9	6425.7	5522.7	5166.4	4804.6	4463.7	4102.8	3720.3	3325.0
-45°	7195.4	6375.3	5573.5	5280.9	4967.5	4668.1	4362.9	4033.7	3686.3	3325.0	2951.4
-47.5°	5444.1	5216.2	4965.8	4720.0	4466.5	4193.9	3896.8	3584.8	3258.0	2922.8	2618.9
-50°	4806.0	4623.1	4421.9	4200.7	3955.6	3694.3	3417.0	3125.1	2837.5	2562.7	2290.3
-52.5°	4235.2	4059.8	3866.4	3656.0	3428.7	3185.8	2931.4	2696.8	2451.0	2217.2	1982.7
-55°	3638.3	3476.9	3298.6	3104.3	2902.3	2708.5	2502.7	2297.2	2096.4	1886.7	1678.3
-57.5°	3036.7	2897.4	2756.3	2602.3	2436.0	2272.8	2105.9	1929.5	1750.5	1565.4	1377.0
-60°	2502.7	2386.4	2272.8	2149.0	2015.2	1872.2	1726.2	1571.8	1409.4	1260.9	1106.7
-62.5°	2026.5	1933.7	1833.4	1726.2	1610.1	1485.6	1359.6	1237.2	1108.4	975.4	852.6
-65°	1577.2	1497.6	1409.4	1324.9	1233.8	1136.0	1031.7	929.9	828.3	721.8	613.5
-67.5°	1168.4	1106.7	1038.2	966.6	895.8	819.6	738.3	652.1	573.1	495.1	413.6
-70°	807.7	760.3	707.7	650.1	594.7	539.8	481.1	418.8	353.1	301.2	255.4
-72.5°	498.1	464.5	427.2	386.3	341.9	307.6	275.3	240.9	204.7	166.6	137.3
-75°	261.5	243.4	223.3	201.2	177.3	151.5	136.3	125.6	114.3	102.4	89.9
-77.5°	122.5	117.0	110.9	104.2	97.0	89.2	80.8	74.0	70.9	67.6	64.2
-80°	69.5	68.1	66.5	64.7	62.8	60.8	58.6	56.3	53.8	51.4	49.1
-82.5°	49.1	48.2	47.2	46.1	44.9	43.6	42.3	40.8	39.3	37.6	35.9
-85°	32.0	31.6	31.1	30.5	29.9	29.3	28.6	27.9	27.1	26.3	25.5
-87.5°	18.5	18.2	17.9	17.5	17.1	16.6	16.1	15.6	15.1	14.5	13.9
-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: P699875 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-3S-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°	13.3	12.7	12.0	11.3	10.6	9.8	9.1	8.3	7.5	6.7	5.9
85°	24.6	23.7	22.7	21.7	20.7	19.7	18.2	16.6	15.1	13.5	11.8
82.5°	34.1	32.7	31.2	29.7	28.2	26.7	25.0	23.4	21.7	20.0	17.7
80°	46.8	44.3	41.7	39.1	36.4	33.6	31.5	29.3	27.0	24.8	22.5
77.5°	60.7	57.0	53.1	49.7	46.3	42.8	39.2	35.6	32.3	29.5	26.6
75°	76.9	71.2	66.6	61.8	56.9	52.0	47.7	43.3	38.8	34.3	30.7
72.5°	122.1	106.3	90.0	74.4	68.7	62.8	56.8	51.0	45.8	40.5	35.1
70°	207.8	158.4	130.2	110.9	91.1	73.6	66.8	59.8	52.7	46.6	40.5
67.5°	329.4	273.8	216.2	156.9	126.0	103.2	79.9	68.8	60.8	52.7	45.8
65°	519.0	421.0	323.8	257.9	190.2	135.2	109.3	82.9	68.8	59.8	51.0
62.5°	725.0	599.1	487.7	373.1	283.1	207.0	138.2	109.3	79.9	66.8	56.8
60°	952.1	807.7	658.8	528.0	399.9	291.6	207.0	135.2	103.2	73.6	62.8
57.5°	1203.1	1023.4	857.7	692.0	541.5	399.9	283.1	190.2	126.0	91.1	68.7
55°	1462.6	1261.4	1062.1	874.5	692.0	528.0	373.1	257.9	156.9	110.9	74.4
52.5°	1746.6	1507.8	1280.9	1062.1	857.7	658.8	487.7	323.8	216.2	130.2	90.0
50°	2031.0	1769.5	1507.8	1261.4	1023.4	807.7	599.1	421.0	273.8	158.4	106.3
47.5°	2314.9	2031.0	1746.6	1462.6	1203.1	952.1	725.0	519.0	329.4	207.8	122.1
45°	2618.9	2290.3	1982.7	1678.3	1377.0	1106.7	852.6	613.5	413.6	255.4	137.3
42.5°	2922.8	2562.7	2217.2	1886.7	1565.4	1260.9	975.4	721.8	495.1	301.2	166.6
40°	3258.0	2837.5	2451.0	2096.4	1750.5	1409.4	1108.4	828.3	573.1	353.1	204.7
37.5°	3584.8	3125.1	2696.8	2297.2	1929.5	1571.8	1237.2	929.9	652.1	418.8	240.9
35°	3896.8	3417.0	2931.4	2502.7	2105.9	1726.2	1359.6	1031.7	738.3	481.1	275.3
32.5°	4193.9	3694.3	3185.8	2708.5	2272.8	1872.2	1485.6	1136.0	819.6	539.8	307.6
30°	4466.5	3955.6	3428.7	2902.3	2436.0	2015.2	1610.1	1233.8	895.8	594.7	341.9
27.5°	4720.0	4200.7	3656.0	3104.3	2602.3	2149.0	1726.2	1324.9	966.6	650.1	386.3
25°	4965.8	4421.9	3866.4	3298.6	2756.3	2272.8	1833.4	1409.4	1038.2	707.7	427.2
22.5°	5216.2	4623.1	4059.8	3476.9	2897.4	2386.4	1933.7	1497.6	1106.7	760.3	464.5
20°	5444.1	4806.0	4235.2	3638.3	3036.7	2502.7	2026.5	1577.2	1168.4	807.7	498.1
17.5°	5725.8	4981.4	4386.9	3782.1	3168.4	2606.3	2109.0	1648.1	1223.3	849.8	528.0
15°	6323.5	5146.7	4518.8	3908.0	3283.7	2696.8	2181.1	1709.9	1271.2	886.6	554.0
12.5°	6835.6	5288.2	4631.6	4015.5	3382.0	2774.0	2242.6	1762.5	1312.0	917.8	576.1
10°	7259.1	5405.0	4724.7	4104.1	3463.0	2837.5	2293.1	1805.8	1345.5	943.5	594.3
7.5°	7591.4	5496.6	4797.5	4173.5	3526.4	2887.2	2332.6	1839.6	1371.6	963.5	608.5
5°	7830.2	5562.3	4849.9	4223.2	3571.8	2922.8	2360.9	1863.9	1390.4	977.9	618.7
2.5°	7974.2	5602.0	4881.4	4253.2	3599.2	2944.3	2377.9	1878.4	1401.6	986.5	624.8
0°	8022.3	5615.2	4891.9	4263.2	3608.3	2951.4	2383.6	1883.3	1405.4	989.4	626.8
-2.5°	7974.2	5602.0	4881.4	4253.2	3599.2	2944.3	2377.9	1878.4	1401.6	986.5	624.8
-5°	7830.2	5562.3	4849.9	4223.2	3571.8	2922.8	2360.9	1863.9	1390.4	977.9	618.7
-7.5°	7591.4	5496.6	4797.5	4173.5	3526.4	2887.2	2332.6	1839.6	1371.6	963.5	608.5
-10°	7259.1	5405.0	4724.7	4104.1	3463.0	2837.5	2293.1	1805.8	1345.5	943.5	594.3
-12.5°	6835.6	5288.2	4631.6	4015.5	3382.0	2774.0	2242.6	1762.5	1312.0	917.8	576.1
-15°	6323.5	5146.7	4518.8	3908.0	3283.7	2696.8	2181.1	1709.9	1271.2	886.6	554.0
-17.5°	5725.8	4981.4	4386.9	3782.1	3168.4	2606.3	2109.0	1648.1	1223.3	849.8	528.0
-20°	5444.1	4806.0	4235.2	3638.3	3036.7	2502.7	2026.5	1577.2	1168.4	807.7	498.1



REPORT NUMBER: P699875 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-3S-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5216.2	4623.1	4059.8	3476.9	2897.4	2386.4	1933.7	1497.6	1106.7	760.3	464.5
-25°	4965.8	4421.9	3866.4	3298.6	2756.3	2272.8	1833.4	1409.4	1038.2	707.7	427.2
-27.5°	4720.0	4200.7	3656.0	3104.3	2602.3	2149.0	1726.2	1324.9	966.6	650.1	386.3
-30°	4466.5	3955.6	3428.7	2902.3	2436.0	2015.2	1610.1	1233.8	895.8	594.7	341.9
-32.5°	4193.9	3694.3	3185.8	2708.5	2272.8	1872.2	1485.6	1136.0	819.6	539.8	307.6
-35°	3896.8	3417.0	2931.4	2502.7	2105.9	1726.2	1359.6	1031.7	738.3	481.1	275.3
-37.5°	3584.8	3125.1	2696.8	2297.2	1929.5	1571.8	1237.2	929.9	652.1	418.8	240.9
-40°	3258.0	2837.5	2451.0	2096.4	1750.5	1409.4	1108.4	828.3	573.1	353.1	204.7
-42.5°	2922.8	2562.7	2217.2	1886.7	1565.4	1260.9	975.4	721.8	495.1	301.2	166.6
-45°	2618.9	2290.3	1982.7	1678.3	1377.0	1106.7	852.6	613.5	413.6	255.4	137.3
-47.5°	2314.9	2031.0	1746.6	1462.6	1203.1	952.1	725.0	519.0	329.4	207.8	122.1
-50°	2031.0	1769.5	1507.8	1261.4	1023.4	807.7	599.1	421.0	273.8	158.4	106.3
-52.5°	1746.6	1507.8	1280.9	1062.1	857.7	658.8	487.7	323.8	216.2	130.2	90.0
-55°	1462.6	1261.4	1062.1	874.5	692.0	528.0	373.1	257.9	156.9	110.9	74.4
-57.5°	1203.1	1023.4	857.7	692.0	541.5	399.9	283.1	190.2	126.0	91.1	68.7
-60°	952.1	807.7	658.8	528.0	399.9	291.6	207.0	135.2	103.2	73.6	62.8
-62.5°	725.0	599.1	487.7	373.1	283.1	207.0	138.2	109.3	79.9	66.8	56.8
-65°	519.0	421.0	323.8	257.9	190.2	135.2	109.3	82.9	68.8	59.8	51.0
-67.5°	329.4	273.8	216.2	156.9	126.0	103.2	79.9	68.8	60.8	52.7	45.8
-70°	207.8	158.4	130.2	110.9	91.1	73.6	66.8	59.8	52.7	46.6	40.5
-72.5°	122.1	106.3	90.0	74.4	68.7	62.8	56.8	51.0	45.8	40.5	35.1
-75°	76.9	71.2	66.6	61.8	56.9	52.0	47.7	43.3	38.8	34.3	30.7
-77.5°	60.7	57.0	53.1	49.7	46.3	42.8	39.2	35.6	32.3	29.5	26.6
-80°	46.8	44.3	41.7	39.1	36.4	33.6	31.5	29.3	27.0	24.8	22.5
-82.5°	34.1	32.7	31.2	29.7	28.2	26.7	25.0	23.4	21.7	20.0	17.7
-85°	24.6	23.7	22.7	21.7	20.7	19.7	18.2	16.6	15.1	13.5	11.8
-87.5°	13.3	12.7	12.0	11.3	10.6	9.8	9.1	8.3	7.5	6.7	5.9
-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: P699875 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-40-80-3S-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°	5.1	4.3	3.4	2.6	1.7	0.9	0.0
85°	10.2	8.5	6.8	5.1	3.4	1.7	0.0
82.5°	15.3	12.8	10.2	7.7	5.1	2.6	0.0
80°	20.1	17.0	13.6	10.2	6.8	3.4	0.0
77.5°	23.7	20.7	17.0	12.8	8.5	4.3	0.0
75°	27.2	23.7	20.1	15.3	10.2	5.1	0.0
72.5°	30.7	26.6	22.5	17.7	11.8	5.9	0.0
70°	34.3	29.5	24.8	20.0	13.5	6.7	0.0
67.5°	38.8	32.3	27.0	21.7	15.1	7.5	0.0
65°	43.3	35.6	29.3	23.4	16.6	8.3	0.0
62.5°	47.7	39.2	31.5	25.0	18.2	9.1	0.0
60°	52.0	42.8	33.6	26.7	19.7	9.8	0.0
57.5°	56.9	46.3	36.4	28.2	20.7	10.6	0.0
55°	61.8	49.7	39.1	29.7	21.7	11.3	0.0
52.5°	66.6	53.1	41.7	31.2	22.7	12.0	0.0
50°	71.2	57.0	44.3	32.7	23.7	12.7	0.0
47.5°	76.9	60.7	46.8	34.1	24.6	13.3	0.0
45°	89.9	64.2	49.1	35.9	25.5	13.9	0.0
42.5°	102.4	67.6	51.4	37.6	26.3	14.5	0.0
40°	114.3	70.9	53.8	39.3	27.1	15.1	0.0
37.5°	125.6	74.0	56.3	40.8	27.9	15.6	0.0
35°	136.3	80.8	58.6	42.3	28.6	16.1	0.0
32.5°	151.5	89.2	60.8	43.6	29.3	16.6	0.0
30°	177.3	97.0	62.8	44.9	29.9	17.1	0.0
27.5°	201.2	104.2	64.7	46.1	30.5	17.5	0.0
25°	223.3	110.9	66.5	47.2	31.1	17.9	0.0
22.5°	243.4	117.0	68.1	48.2	31.6	18.2	0.0
20°	261.5	122.5	69.5	49.1	32.0	18.5	0.0
17.5°	277.6	127.3	70.8	49.9	32.4	18.8	0.0
15°	291.6	131.6	71.9	50.6	32.7	19.0	0.0
12.5°	303.5	135.2	72.8	51.2	33.0	19.2	0.0
10°	313.2	138.1	73.6	51.6	33.3	19.4	0.0
7.5°	320.9	140.4	74.2	52.0	33.5	19.5	0.0
5°	326.3	142.1	74.7	52.3	33.6	19.6	0.0
2.5°	329.6	143.1	74.9	52.4	33.7	19.7	0.0
0°	330.7	143.4	75.0	52.5	33.7	19.7	0.0
-2.5°	329.6	143.1	74.9	52.4	33.7	19.7	0.0
-5°	326.3	142.1	74.7	52.3	33.6	19.6	0.0
-7.5°	320.9	140.4	74.2	52.0	33.5	19.5	0.0
-10°	313.2	138.1	73.6	51.6	33.3	19.4	0.0
-12.5°	303.5	135.2	72.8	51.2	33.0	19.2	0.0
-15°	291.6	131.6	71.9	50.6	32.7	19.0	0.0
-17.5°	277.6	127.3	70.8	49.9	32.4	18.8	0.0
-20°	261.5	122.5	69.5	49.1	32.0	18.5	0.0



REPORT NUMBER: P699875 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	243.4	117.0	68.1	48.2	31.6	18.2	0.0
-25°	223.3	110.9	66.5	47.2	31.1	17.9	0.0
-27.5°	201.2	104.2	64.7	46.1	30.5	17.5	0.0
-30°	177.3	97.0	62.8	44.9	29.9	17.1	0.0
-32.5°	151.5	89.2	60.8	43.6	29.3	16.6	0.0
-35°	136.3	80.8	58.6	42.3	28.6	16.1	0.0
-37.5°	125.6	74.0	56.3	40.8	27.9	15.6	0.0
-40°	114.3	70.9	53.8	39.3	27.1	15.1	0.0
-42.5°	102.4	67.6	51.4	37.6	26.3	14.5	0.0
-45°	89.9	64.2	49.1	35.9	25.5	13.9	0.0
-47.5°	76.9	60.7	46.8	34.1	24.6	13.3	0.0
-50°	71.2	57.0	44.3	32.7	23.7	12.7	0.0
-52.5°	66.6	53.1	41.7	31.2	22.7	12.0	0.0
-55°	61.8	49.7	39.1	29.7	21.7	11.3	0.0
-57.5°	56.9	46.3	36.4	28.2	20.7	10.6	0.0
-60°	52.0	42.8	33.6	26.7	19.7	9.8	0.0
-62.5°	47.7	39.2	31.5	25.0	18.2	9.1	0.0
-65°	43.3	35.6	29.3	23.4	16.6	8.3	0.0
-67.5°	38.8	32.3	27.0	21.7	15.1	7.5	0.0
-70°	34.3	29.5	24.8	20.0	13.5	6.7	0.0
-72.5°	30.7	26.6	22.5	17.7	11.8	5.9	0.0
-75°	27.2	23.7	20.1	15.3	10.2	5.1	0.0
-77.5°	23.7	20.7	17.0	12.8	8.5	4.3	0.0
-80°	20.1	17.0	13.6	10.2	6.8	3.4	0.0
-82.5°	15.3	12.8	10.2	7.7	5.1	2.6	0.0
-85°	10.2	8.5	6.8	5.1	3.4	1.7	0.0
-87.5°	5.1	4.3	3.4	2.6	1.7	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)