

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

Brand: EPHESUS

Report Number: P1212085 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-70-7F-HEG**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212085 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-10)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-40-70-7F-HEG
Description: EPHESUS LS12 LUMINAIRE
(12) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

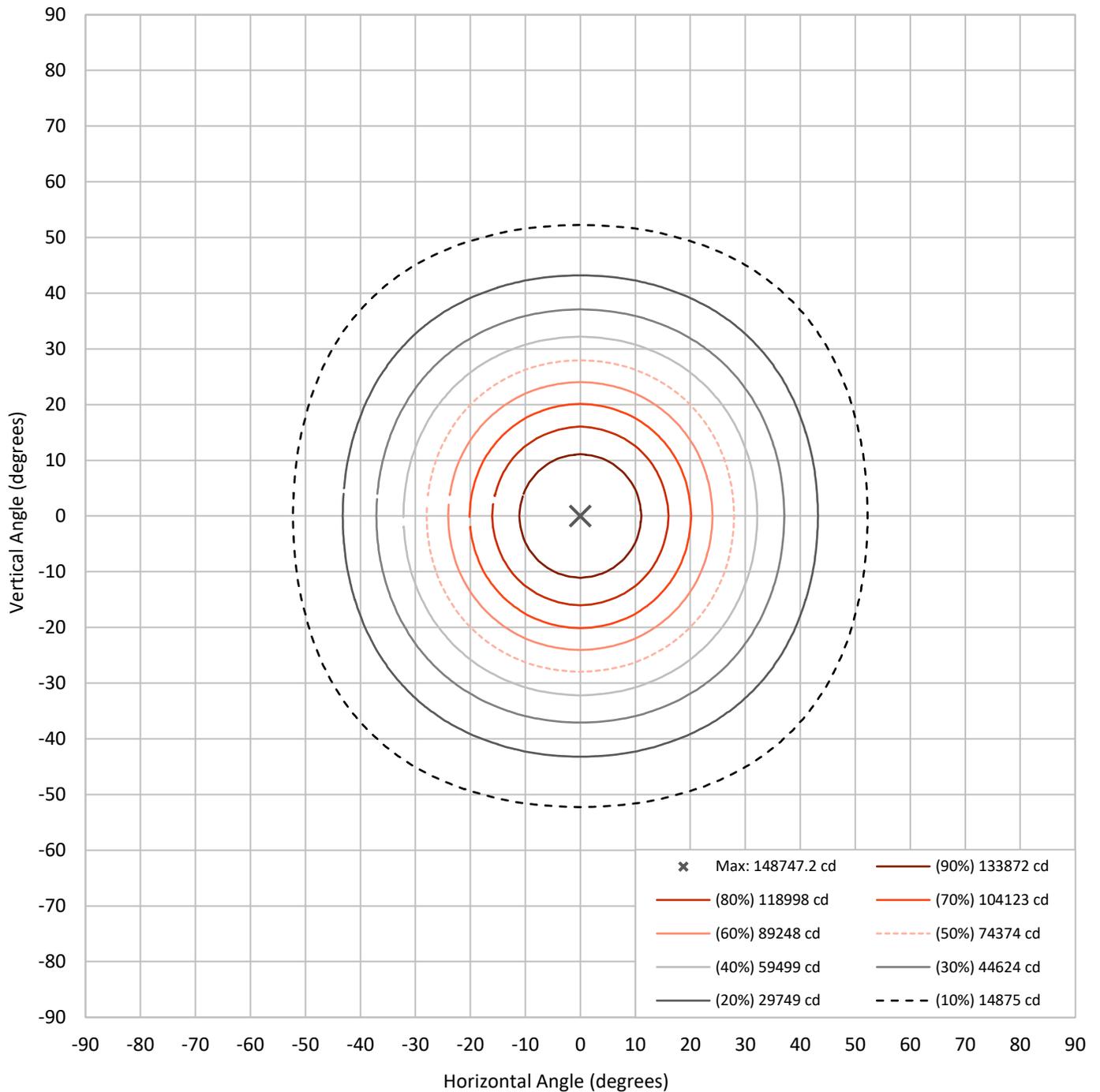
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	156148.1 lumens	Max Intensity:	148747.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	150.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	55.9°H x 55.9°V	Field Angle (10%):	104.5°H x 104.5°V
Beam Lumens:	78328.7 lumens	Field Lumens:	141954.3 lumens
Beam Efficiency:	50.2%	Field Efficiency:	90.9%

Input Watts (W): 1041
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-LS12-1000R-40-70-7F-HEG

Iso-Candela Plot





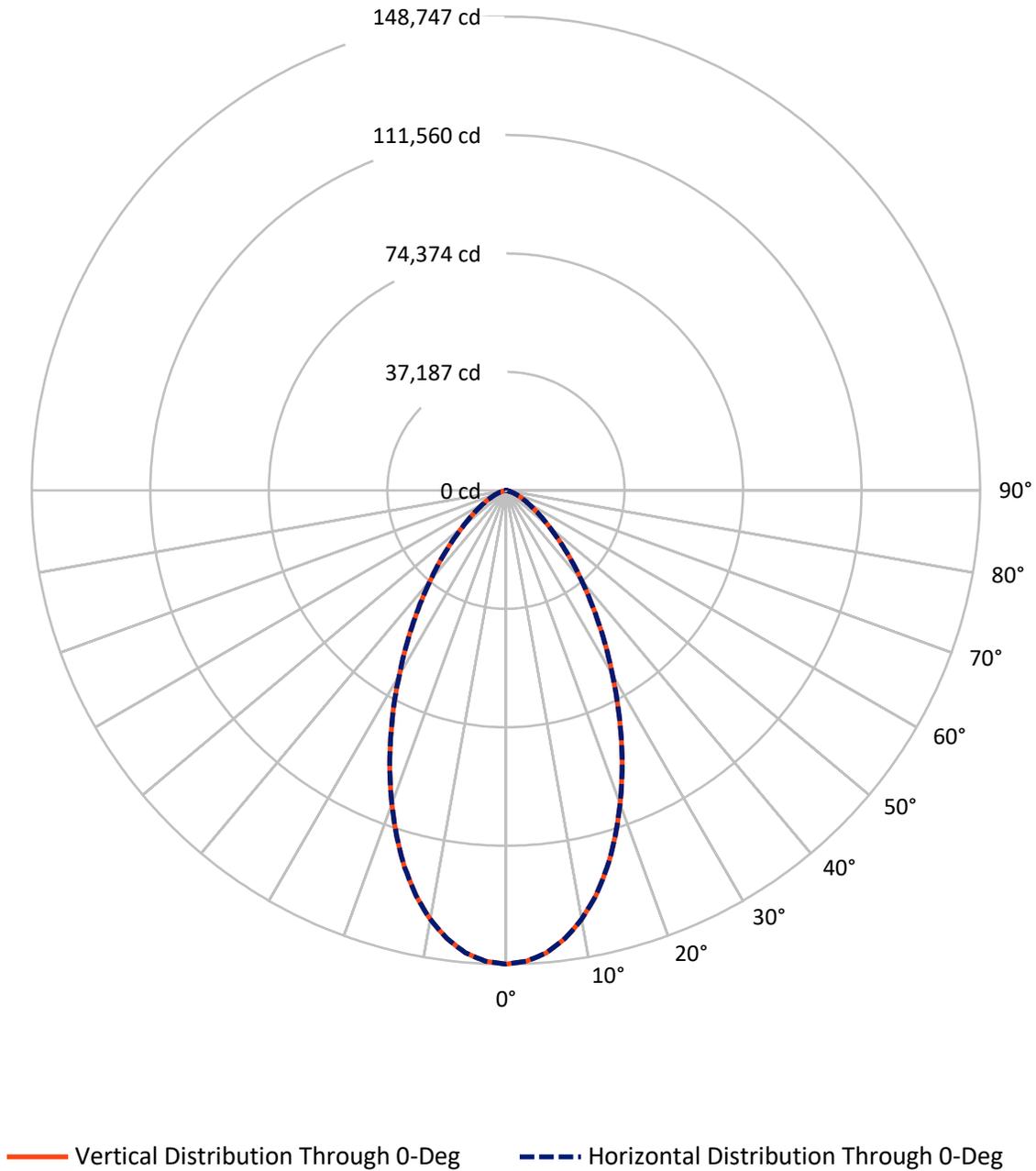
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Lumen Table

90															90				
80	0.4	6.2		31.9		71.0		89.2		71.0		31.9		6.2	0.4				
70															70				
60	3.0	5.6	19.6	43.9	75.5	108.6	136.7	152.3	152.3	136.7	108.6	75.5	43.9	19.6	5.6	3.0			
50		14.7	46.4	98.0	166.6	245.8	319.2	363.1	363.1	319.2	245.8	166.6	98.0	46.4	14.7				
40	11.2	26.8	80.0	171.2	311.7	492.9	673.3	786.9	786.9	673.3	492.9	311.7	171.2	80.0	26.8	11.2			
30		40.0	117.8	270.2	532.2	894.5	1267.1	1510.0	1510.0	1267.1	894.5	532.2	270.2	117.8	40.0				
20	20.7	52.0	157.5	387.2	810.7	1419.4	2079.3	2524.5	2524.5	2079.3	1419.4	810.7	387.2	157.5	52.0	20.7			
10		61.4	192.3	497.2	1079.5	1954.5	2929.9	3586.5	3586.5	2929.9	1954.5	1079.5	497.2	192.3	61.4				
0	24.5	66.4	212.4	564.0	1248.5	2302.9	3480.5	4258.6	4258.6	3480.5	2302.9	1248.5	564.0	212.4	66.4	24.5			
-10		66.4	212.4	564.0	1248.5	2302.9	3480.5	4258.6	4258.6	3480.5	2302.9	1248.5	564.0	212.4	66.4				
-20	20.7	61.4	192.3	497.2	1079.5	1954.5	2929.9	3586.5	3586.5	2929.9	1954.5	1079.5	497.2	192.3	61.4	20.7			
-30		52.0	157.5	387.2	810.7	1419.4	2079.3	2524.5	2524.5	2079.3	1419.4	810.7	387.2	157.5	52.0				
-40	11.2	40.0	117.8	270.2	532.2	894.5	1267.1	1510.0	1510.0	1267.1	894.5	532.2	270.2	117.8	40.0	11.2			
-50		26.8	80.0	171.2	311.7	492.9	673.3	786.9	786.9	673.3	492.9	311.7	171.2	80.0	26.8				
-60	3.0	14.7	46.4	98.0	166.6	245.8	319.2	363.1	363.1	319.2	245.8	166.6	98.0	46.4	14.7	3.0			
-70		5.6	19.6	43.9	75.5	108.6	136.7	152.3	152.3	136.7	108.6	75.5	43.9	19.6	5.6				
-80															-80				
-90	0.4	6.2		31.9		71.0		89.2		71.0		31.9		6.2	0.4				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

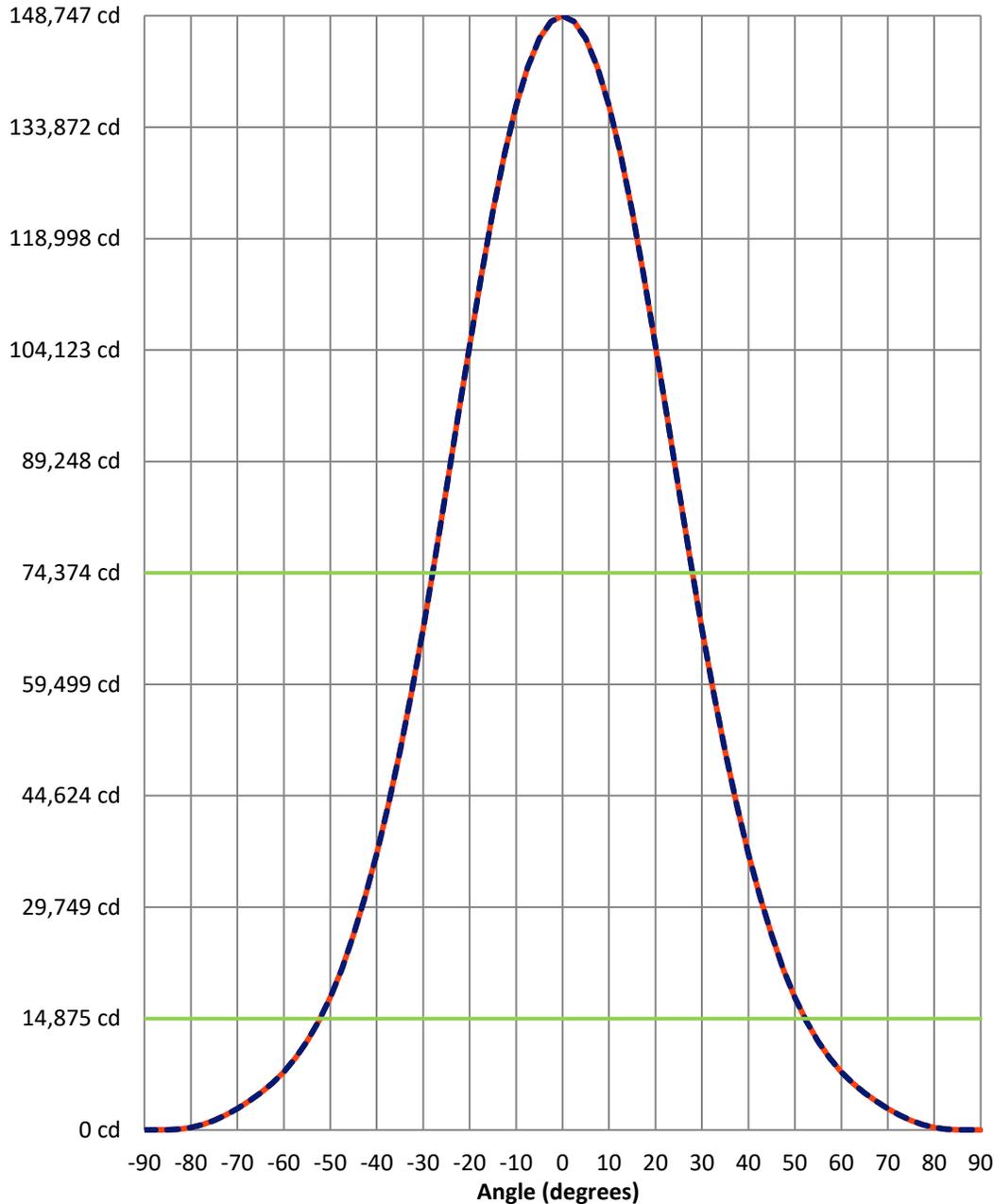
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 55.9°
V Angle: 55.9°
Lumens: 78328.7
Efficiency: 50.2%

Field:
H Angle: 104.5°
V Angle: 104.5°
Lumens: 141954.3
Efficiency: 90.9%

Spill:
Lumens: 14193.8
Efficiency: 9.1%

- 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	1.0	2.1	3.1	4.2	5.2	6.2	7.2	8.2	9.2	10.1
85°	0.0	2.1	4.2	6.3	8.3	10.4	12.4	14.4	16.4	18.3	20.3
82.5°	0.0	3.1	6.3	9.4	12.5	15.5	18.6	21.6	24.3	25.9	27.4
80°	0.0	4.2	8.3	12.5	16.6	20.7	24.4	26.6	28.7	30.8	32.9
77.5°	0.0	5.2	10.4	15.5	20.7	25.0	27.7	30.4	33.1	35.7	44.9
75°	0.0	6.2	12.4	18.6	24.4	27.7	31.0	34.2	39.5	58.9	77.9
72.5°	0.0	7.2	14.4	21.6	26.6	30.4	34.2	43.0	65.9	88.5	110.6
70°	0.0	8.2	16.4	24.3	28.7	33.1	39.5	65.9	92.0	118.8	189.0
67.5°	0.0	9.2	18.3	25.9	30.8	35.7	58.9	88.5	118.8	198.8	277.5
65°	0.0	10.1	20.3	27.4	32.9	44.9	77.9	110.6	189.0	277.5	383.8
62.5°	0.0	11.1	22.1	29.0	34.9	60.5	96.6	159.7	257.9	366.6	533.5
60°	0.0	12.0	24.0	30.5	36.9	75.8	114.9	218.9	325.4	499.0	680.3
57.5°	0.0	12.9	25.0	31.9	48.3	90.7	160.8	276.7	430.5	628.5	865.7
55°	0.0	13.8	25.9	33.3	59.9	105.2	209.1	333.0	542.8	766.9	1066.3
52.5°	0.0	14.6	26.8	34.7	71.2	123.3	256.0	424.0	652.1	942.7	1261.7
50°	0.0	15.4	27.7	36.0	82.1	161.2	301.4	516.7	771.4	1113.3	1503.5
47.5°	0.0	16.2	28.6	38.9	92.6	197.6	349.9	606.2	917.9	1278.3	1743.7
45°	0.0	17.0	29.4	46.5	102.7	232.7	423.6	692.3	1059.0	1485.2	1975.4
42.5°	0.0	17.7	30.2	53.7	112.4	266.4	494.3	795.6	1194.4	1685.1	2230.9
40°	0.0	18.4	30.9	60.6	129.8	298.5	561.8	908.6	1336.9	1876.4	2481.0
37.5°	0.0	19.0	31.6	67.2	154.2	329.0	626.0	1016.0	1498.1	2067.3	2719.4
35°	0.0	19.7	32.3	73.4	177.2	372.0	686.7	1117.7	1650.8	2269.7	2960.5
32.5°	0.0	20.2	32.9	79.2	198.8	419.4	751.1	1213.5	1794.7	2460.5	3210.8
30°	0.0	20.8	33.5	84.7	219.0	463.7	827.5	1309.6	1929.4	2639.3	3445.4
27.5°	0.0	21.3	34.1	89.8	237.8	504.8	898.4	1418.4	2062.6	2805.6	3663.8
25°	0.0	21.8	34.6	94.4	255.1	542.7	963.7	1518.7	2197.9	2976.2	3866.3
22.5°	0.0	22.2	35.0	98.6	270.8	577.2	1023.3	1610.1	2321.3	3140.4	4069.4
20°	0.0	22.6	35.4	102.5	284.9	608.3	1076.9	1692.5	2432.6	3288.5	4252.9
17.5°	0.0	22.9	35.8	105.8	297.5	635.9	1124.5	1765.7	2531.4	3420.2	4416.1
15°	0.0	23.2	36.1	108.8	308.4	659.9	1166.0	1829.5	2617.7	3535.1	4558.5
12.5°	0.0	23.4	36.4	111.3	317.7	680.3	1201.3	1883.8	2691.0	3632.9	4679.8
10°	0.0	23.6	36.6	113.3	325.4	697.1	1230.2	1928.4	2751.3	3713.3	4779.5
7.5°	0.0	23.8	36.8	114.9	331.3	710.1	1252.9	1963.1	2798.3	3776.0	4857.4
5°	0.0	23.9	36.9	116.1	335.6	719.5	1269.0	1988.0	2832.0	3821.0	4913.2
2.5°	0.0	24.0	37.0	116.8	338.1	725.1	1278.8	2003.0	2852.2	3848.0	4946.8
0°	0.0	24.0	37.0	117.0	339.0	727.0	1282.0	2008.0	2859.0	3857.0	4958.0
-2.5°	0.0	24.0	37.0	116.8	338.1	725.1	1278.8	2003.0	2852.2	3848.0	4946.8
-5°	0.0	23.9	36.9	116.1	335.6	719.5	1269.0	1988.0	2832.0	3821.0	4913.2
-7.5°	0.0	23.8	36.8	114.9	331.3	710.1	1252.9	1963.1	2798.3	3776.0	4857.4
-10°	0.0	23.6	36.6	113.3	325.4	697.1	1230.2	1928.4	2751.3	3713.3	4779.5
-12.5°	0.0	23.4	36.4	111.3	317.7	680.3	1201.3	1883.8	2691.0	3632.9	4679.8
-15°	0.0	23.2	36.1	108.8	308.4	659.9	1166.0	1829.5	2617.7	3535.1	4558.5
-17.5°	0.0	22.9	35.8	105.8	297.5	635.9	1124.5	1765.7	2531.4	3420.2	4416.1
-20°	0.0	22.6	35.4	102.5	284.9	608.3	1076.9	1692.5	2432.6	3288.5	4252.9



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	22.2	35.0	98.6	270.8	577.2	1023.3	1610.1	2321.3	3140.4	4069.4
-25°	0.0	21.8	34.6	94.4	255.1	542.7	963.7	1518.7	2197.9	2976.2	3866.3
-27.5°	0.0	21.3	34.1	89.8	237.8	504.8	898.4	1418.4	2062.6	2805.6	3663.8
-30°	0.0	20.8	33.5	84.7	219.0	463.7	827.5	1309.6	1929.4	2639.3	3445.4
-32.5°	0.0	20.2	32.9	79.2	198.8	419.4	751.1	1213.5	1794.7	2460.5	3210.8
-35°	0.0	19.7	32.3	73.4	177.2	372.0	686.7	1117.7	1650.8	2269.7	2960.5
-37.5°	0.0	19.0	31.6	67.2	154.2	329.0	626.0	1016.0	1498.1	2067.3	2719.4
-40°	0.0	18.4	30.9	60.6	129.8	298.5	561.8	908.6	1336.9	1876.4	2481.0
-42.5°	0.0	17.7	30.2	53.7	112.4	266.4	494.3	795.6	1194.4	1685.1	2230.9
-45°	0.0	17.0	29.4	46.5	102.7	232.7	423.6	692.3	1059.0	1485.2	1975.4
-47.5°	0.0	16.2	28.6	38.9	92.6	197.6	349.9	606.2	917.9	1278.3	1743.7
-50°	0.0	15.4	27.7	36.0	82.1	161.2	301.4	516.7	771.4	1113.3	1503.5
-52.5°	0.0	14.6	26.8	34.7	71.2	123.3	256.0	424.0	652.1	942.7	1261.7
-55°	0.0	13.8	25.9	33.3	59.9	105.2	209.1	333.0	542.8	766.9	1066.3
-57.5°	0.0	12.9	25.0	31.9	48.3	90.7	160.8	276.7	430.5	628.5	865.7
-60°	0.0	12.0	24.0	30.5	36.9	75.8	114.9	218.9	325.4	499.0	680.3
-62.5°	0.0	11.1	22.1	29.0	34.9	60.5	96.6	159.7	257.9	366.6	533.5
-65°	0.0	10.1	20.3	27.4	32.9	44.9	77.9	110.6	189.0	277.5	383.8
-67.5°	0.0	9.2	18.3	25.9	30.8	35.7	58.9	88.5	118.8	198.8	277.5
-70°	0.0	8.2	16.4	24.3	28.7	33.1	39.5	65.9	92.0	118.8	189.0
-72.5°	0.0	7.2	14.4	21.6	26.6	30.4	34.2	43.0	65.9	88.5	110.6
-75°	0.0	6.2	12.4	18.6	24.4	27.7	31.0	34.2	39.5	58.9	77.9
-77.5°	0.0	5.2	10.4	15.5	20.7	25.0	27.7	30.4	33.1	35.7	44.9
-80°	0.0	4.2	8.3	12.5	16.6	20.7	24.4	26.6	28.7	30.8	32.9
-82.5°	0.0	3.1	6.3	9.4	12.5	15.5	18.6	21.6	24.3	25.9	27.4
-85°	0.0	2.1	4.2	6.3	8.3	10.4	12.4	14.4	16.4	18.3	20.3
-87.5°	0.0	1.0	2.1	3.1	4.2	5.2	6.2	7.2	8.2	9.2	10.1
-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):

	-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°	11.1	12.0	12.9	13.8	14.6	15.4	16.2	17.0	17.7	18.4	19.0
85°	22.1	24.0	25.0	25.9	26.8	27.7	28.6	29.4	30.2	30.9	31.6
82.5°	29.0	30.5	31.9	33.3	34.7	36.0	38.9	46.5	53.7	60.6	67.2
80°	34.9	36.9	48.3	59.9	71.2	82.1	92.6	102.7	112.4	129.8	154.2
77.5°	60.5	75.8	90.7	105.2	123.3	161.2	197.6	232.7	266.4	298.5	329.0
75°	96.6	114.9	160.8	209.1	256.0	301.4	349.9	423.6	494.3	561.8	626.0
72.5°	159.7	218.9	276.7	333.0	424.0	516.7	606.2	692.3	795.6	908.6	1016.0
70°	257.9	325.4	430.5	542.8	652.1	771.4	917.9	1059.0	1194.4	1336.9	1498.1
67.5°	366.6	499.0	628.5	766.9	942.7	1113.3	1278.3	1485.2	1685.1	1876.4	2067.3
65°	533.5	680.3	865.7	1066.3	1261.7	1503.5	1743.7	1975.4	2230.9	2481.0	2719.4
62.5°	697.6	915.4	1141.0	1385.9	1666.9	1940.0	2238.4	2537.9	2826.1	3144.4	3453.6
60°	915.4	1166.0	1451.6	1765.7	2083.2	2432.6	2771.4	3140.4	3510.4	3866.3	4240.4
57.5°	1141.0	1451.6	1798.8	2161.1	2549.9	2940.6	3371.7	3788.8	4225.6	4652.0	5076.6
55°	1385.9	1765.7	2161.1	2589.2	3033.3	3511.6	3988.8	4485.7	4966.7	5504.8	6020.2
52.5°	1666.9	2083.2	2549.9	3033.3	3558.4	4092.9	4643.0	5213.1	5814.9	6420.8	7072.8
50°	1940.0	2432.6	2940.6	3511.6	4092.9	4695.7	5337.2	6002.7	6717.0	7446.0	8241.9
47.5°	2238.4	2771.4	3371.7	3988.8	4643.0	5337.2	6065.6	6866.2	7672.2	8619.9	9549.1
45°	2537.9	3140.4	3788.8	4485.7	5213.1	6002.7	6866.2	7748.0	8810.3	9881.1	11062.0
42.5°	2826.1	3510.4	4225.6	4966.7	5814.9	6717.0	7672.2	8810.3	9996.7	11296.6	12698.1
40°	3144.4	3866.3	4652.0	5504.8	6420.8	7446.0	8619.9	9881.1	11296.6	12842.6	14447.1
37.5°	3453.6	4240.4	5076.6	6020.2	7072.8	8241.9	9549.1	11062.0	12698.1	14447.1	16441.8
35°	3747.2	4596.1	5529.2	6557.9	7694.9	9072.1	10596.6	12267.4	14153.2	16263.5	18513.7
32.5°	4041.7	4932.3	5957.6	7103.8	8414.6	9908.2	11606.4	13570.7	15732.3	18079.3	20740.7
30°	4328.7	5296.4	6380.9	7617.9	9105.4	10796.5	12710.0	14858.2	17298.2	20076.1	23143.4
27.5°	4596.1	5639.9	6822.1	8182.7	9778.2	11629.5	13792.3	16235.9	18983.9	22057.8	25568.0
25°	4843.1	5957.6	7230.5	8735.3	10493.4	12519.5	14850.8	17521.5	20634.5	24186.4	28054.4
22.5°	5087.4	6249.4	7604.7	9242.2	11150.6	13378.6	15951.3	18904.4	22295.7	26172.5	30422.6
20°	5325.4	6557.9	7990.5	9718.0	11746.9	14159.4	16953.0	20198.2	23974.6	28193.0	32771.4
17.5°	5537.3	6832.6	8365.1	10206.8	12370.0	14919.5	17879.5	21360.2	25485.6	30015.8	34977.4
15°	5722.4	7072.8	8692.9	10634.7	12933.3	15646.0	18822.6	22561.4	26906.0	31683.4	36941.3
12.5°	5880.0	7277.5	8972.6	11000.1	13414.8	16267.7	19630.7	23617.0	28185.4	33239.4	38869.7
10°	6009.7	7446.0	9202.9	11301.3	13812.1	16781.1	20298.8	24491.0	29246.4	34532.2	40475.6
7.5°	6111.1	7577.8	9383.1	11537.0	14123.2	17183.5	20823.1	25177.5	30080.9	35550.6	41743.0
5°	6183.7	7672.2	9512.3	11706.2	14346.6	17472.7	21200.0	25671.5	30682.0	36285.1	42658.4
2.5°	6227.4	7729.0	9590.0	11808.0	14481.1	17646.8	21427.1	25969.4	31044.7	36728.7	43211.9
0°	6242.0	7748.0	9616.0	11842.0	14526.0	17705.0	21503.0	26069.0	31166.0	36877.1	43397.1
-2.5°	6227.4	7729.0	9590.0	11808.0	14481.1	17646.8	21427.1	25969.4	31044.7	36728.7	43211.9
-5°	6183.7	7672.2	9512.3	11706.2	14346.6	17472.7	21200.0	25671.5	30682.0	36285.1	42658.4
-7.5°	6111.1	7577.8	9383.1	11537.0	14123.2	17183.5	20823.1	25177.5	30080.9	35550.6	41743.0
-10°	6009.7	7446.0	9202.9	11301.3	13812.1	16781.1	20298.8	24491.0	29246.4	34532.2	40475.6
-12.5°	5880.0	7277.5	8972.6	11000.1	13414.8	16267.7	19630.7	23617.0	28185.4	33239.4	38869.7
-15°	5722.4	7072.8	8692.9	10634.7	12933.3	15646.0	18822.6	22561.4	26906.0	31683.4	36941.3
-17.5°	5537.3	6832.6	8365.1	10206.8	12370.0	14919.5	17879.5	21360.2	25485.6	30015.8	34977.4
-20°	5325.4	6557.9	7990.5	9718.0	11746.9	14159.4	16953.0	20198.2	23974.6	28193.0	32771.4



REPORT NUMBER: P1212085 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-7F-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	5087.4	6249.4	7604.7	9242.2	11150.6	13378.6	15951.3	18904.4	22295.7	26172.5	30422.6
-25°	4843.1	5957.6	7230.5	8735.3	10493.4	12519.5	14850.8	17521.5	20634.5	24186.4	28054.4
-27.5°	4596.1	5639.9	6822.1	8182.7	9778.2	11629.5	13792.3	16235.9	18983.9	22057.8	25568.0
-30°	4328.7	5296.4	6380.9	7617.9	9105.4	10796.5	12710.0	14858.2	17298.2	20076.1	23143.4
-32.5°	4041.7	4932.3	5957.6	7103.8	8414.6	9908.2	11606.4	13570.7	15732.3	18079.3	20740.7
-35°	3747.2	4596.1	5529.2	6557.9	7694.9	9072.1	10596.6	12267.4	14153.2	16263.5	18513.7
-37.5°	3453.6	4240.4	5076.6	6020.2	7072.8	8241.9	9549.1	11062.0	12698.1	14447.1	16441.8
-40°	3144.4	3866.3	4652.0	5504.8	6420.8	7446.0	8619.9	9881.1	11296.6	12842.6	14447.1
-42.5°	2826.1	3510.4	4225.6	4966.7	5814.9	6717.0	7672.2	8810.3	9996.7	11296.6	12698.1
-45°	2537.9	3140.4	3788.8	4485.7	5213.1	6002.7	6866.2	7748.0	8810.3	9881.1	11062.0
-47.5°	2238.4	2771.4	3371.7	3988.8	4643.0	5337.2	6065.6	6866.2	7672.2	8619.9	9549.1
-50°	1940.0	2432.6	2940.6	3511.6	4092.9	4695.7	5337.2	6002.7	6717.0	7446.0	8241.9
-52.5°	1666.9	2083.2	2549.9	3033.3	3558.4	4092.9	4643.0	5213.1	5814.9	6420.8	7072.8
-55°	1385.9	1765.7	2161.1	2589.2	3033.3	3511.6	3988.8	4485.7	4966.7	5504.8	6020.2
-57.5°	1141.0	1451.6	1798.8	2161.1	2549.9	2940.6	3371.7	3788.8	4225.6	4652.0	5076.6
-60°	915.4	1166.0	1451.6	1765.7	2083.2	2432.6	2771.4	3140.4	3510.4	3866.3	4240.4
-62.5°	697.6	915.4	1141.0	1385.9	1666.9	1940.0	2238.4	2537.9	2826.1	3144.4	3453.6
-65°	533.5	680.3	865.7	1066.3	1261.7	1503.5	1743.7	1975.4	2230.9	2481.0	2719.4
-67.5°	366.6	499.0	628.5	766.9	942.7	1113.3	1278.3	1485.2	1685.1	1876.4	2067.3
-70°	257.9	325.4	430.5	542.8	652.1	771.4	917.9	1059.0	1194.4	1336.9	1498.1
-72.5°	159.7	218.9	276.7	333.0	424.0	516.7	606.2	692.3	795.6	908.6	1016.0
-75°	96.6	114.9	160.8	209.1	256.0	301.4	349.9	423.6	494.3	561.8	626.0
-77.5°	60.5	75.8	90.7	105.2	123.3	161.2	197.6	232.7	266.4	298.5	329.0
-80°	34.9	36.9	48.3	59.9	71.2	82.1	92.6	102.7	112.4	129.8	154.2
-82.5°	29.0	30.5	31.9	33.3	34.7	36.0	38.9	46.5	53.7	60.6	67.2
-85°	22.1	24.0	25.0	25.9	26.8	27.7	28.6	29.4	30.2	30.9	31.6
-87.5°	11.1	12.0	12.9	13.8	14.6	15.4	16.2	17.0	17.7	18.4	19.0
-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: P1212085 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-100R-40-70-7F-HEG

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°	19.7	20.2	20.8	21.3	21.8	22.2	22.6	22.9	23.2	23.4	23.6
85°	32.3	32.9	33.5	34.1	34.6	35.0	35.4	35.8	36.1	36.4	36.6
82.5°	73.4	79.2	84.7	89.8	94.4	98.6	102.5	105.8	108.8	111.3	113.3
80°	177.2	198.8	219.0	237.8	255.1	270.8	284.9	297.5	308.4	317.7	325.4
77.5°	372.0	419.4	463.7	504.8	542.7	577.2	608.3	635.9	659.9	680.3	697.1
75°	686.7	751.1	827.5	898.4	963.7	1023.3	1076.9	1124.5	1166.0	1201.3	1230.2
72.5°	1117.7	1213.5	1309.6	1418.4	1518.7	1610.1	1692.5	1765.7	1829.5	1883.8	1928.4
70°	1650.8	1794.7	1929.4	2062.6	2197.9	2321.3	2432.6	2531.4	2617.7	2691.0	2751.3
67.5°	2269.7	2460.5	2639.3	2805.6	2976.2	3140.4	3288.5	3420.2	3535.1	3632.9	3713.3
65°	2960.5	3210.8	3445.4	3663.8	3866.3	4069.4	4252.9	4416.1	4558.5	4679.8	4779.5
62.5°	3747.2	4041.7	4328.7	4596.1	4843.1	5087.4	5325.4	5537.3	5722.4	5880.0	6009.7
60°	4596.1	4932.3	5296.4	5639.9	5957.6	6249.4	6557.9	6832.6	7072.8	7277.5	7446.0
57.5°	5529.2	5957.6	6380.9	6822.1	7230.5	7604.7	7990.5	8365.1	8692.9	8972.6	9202.9
55°	6557.9	7103.8	7617.9	8182.7	8735.3	9242.2	9718.0	10206.8	10634.7	11000.1	11301.3
52.5°	7694.9	8414.6	9105.4	9778.2	10493.4	11150.6	11746.9	12370.0	12933.3	13414.8	13812.1
50°	9072.1	9908.2	10796.5	11629.5	12519.5	13378.6	14159.4	14919.5	15646.0	16267.7	16781.1
47.5°	10596.6	11606.4	12710.0	13792.3	14850.8	15951.3	16953.0	17879.5	18822.6	19630.7	20298.8
45°	12267.4	13570.7	14858.2	16235.9	17521.5	18904.4	20198.2	21360.2	22561.4	23617.0	24491.0
42.5°	14153.2	15732.3	17298.2	18983.9	20634.5	22295.7	23974.6	25485.6	26906.0	28185.4	29246.4
40°	16263.5	18079.3	20076.1	22057.8	24186.4	26172.5	28193.0	30015.8	31683.4	33239.4	34532.2
37.5°	18513.7	20740.7	23143.4	25568.0	28054.4	30422.6	32771.4	34977.4	36941.3	38869.7	40475.6
35°	20963.8	23692.3	26449.5	29334.8	32163.4	35010.0	37741.8	40460.9	42879.6	45124.1	47039.3
32.5°	23692.3	26765.3	29983.1	33281.0	36537.1	39971.9	43194.9	46390.3	49260.0	51880.7	54186.8
30°	26449.5	29983.1	33656.9	37373.1	41337.0	45224.6	49018.8	52692.8	56127.9	59178.7	61886.5
27.5°	29334.8	33281.0	37373.1	41796.8	46265.9	50642.9	55143.7	59345.9	63351.2	66864.5	70090.4
25°	32163.4	36537.1	41337.0	46265.9	51243.9	56392.9	61434.9	66236.3	70912.6	75089.0	78718.2
22.5°	35010.0	39971.9	45224.6	50642.9	56392.9	62141.2	67785.1	73424.2	78650.8	83371.2	87450.8
20°	37741.8	43194.9	49018.8	55143.7	61434.9	67785.1	74276.0	80499.1	86295.4	91590.6	96138.9
17.5°	40460.9	46390.3	52692.8	59345.9	66236.3	73424.2	80499.1	87307.5	93736.9	99442.4	104389.6
15°	42879.6	49260.0	56127.9	63351.2	70912.6	78650.8	86295.4	93736.9	100575.5	106788.1	112248.5
12.5°	45124.1	51880.7	59178.7	66864.5	75089.0	83371.2	91590.6	99442.4	106788.1	113574.7	119304.7
10°	47039.3	54186.8	61886.5	70090.4	78718.2	87450.8	96138.9	104389.6	112248.5	119304.7	125479.6
7.5°	48554.2	56015.9	64041.6	72669.7	81659.3	90788.6	99764.4	108423.8	116628.2	124069.0	130320.4
5°	49650.4	57342.4	65608.8	74552.0	83815.1	93249.4	102457.9	111449.9	119874.2	127501.3	133874.2
2.5°	50313.9	58146.6	66560.8	75698.1	85132.0	94759.1	104120.0	113332.5	121918.0	129579.6	136005.7
0°	50536.1	58416.1	66880.1	76083.1	85575.1	95268.1	104682.2	113972.2	122617.2	130256.7	136741.2
-2.5°	50313.9	58146.6	66560.8	75698.1	85132.0	94759.1	104120.0	113332.5	121918.0	129579.6	136005.7
-5°	49650.4	57342.4	65608.8	74552.0	83815.1	93249.4	102457.9	111449.9	119874.2	127501.3	133874.2
-7.5°	48554.2	56015.9	64041.6	72669.7	81659.3	90788.6	99764.4	108423.8	116628.2	124069.0	130320.4
-10°	47039.3	54186.8	61886.5	70090.4	78718.2	87450.8	96138.9	104389.6	112248.5	119304.7	125479.6
-12.5°	45124.1	51880.7	59178.7	66864.5	75089.0	83371.2	91590.6	99442.4	106788.1	113574.7	119304.7
-15°	42879.6	49260.0	56127.9	63351.2	70912.6	78650.8	86295.4	93736.9	100575.5	106788.1	112248.5
-17.5°	40460.9	46390.3	52692.8	59345.9	66236.3	73424.2	80499.1	87307.5	93736.9	99442.4	104389.6
-20°	37741.8	43194.9	49018.8	55143.7	61434.9	67785.1	74276.0	80499.1	86295.4	91590.6	96138.9



REPORT NUMBER: P1212085 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-7F-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	35010.0	39971.9	45224.6	50642.9	56392.9	62141.2	67785.1	73424.2	78650.8	83371.2	87450.8
-25°	32163.4	36537.1	41337.0	46265.9	51243.9	56392.9	61434.9	66236.3	70912.6	75089.0	78718.2
-27.5°	29334.8	33281.0	37373.1	41796.8	46265.9	50642.9	55143.7	59345.9	63351.2	66864.5	70090.4
-30°	26449.5	29983.1	33656.9	37373.1	41337.0	45224.6	49018.8	52692.8	56127.9	59178.7	61886.5
-32.5°	23692.3	26765.3	29983.1	33281.0	36537.1	39971.9	43194.9	46390.3	49260.0	51880.7	54186.8
-35°	20963.8	23692.3	26449.5	29334.8	32163.4	35010.0	37741.8	40460.9	42879.6	45124.1	47039.3
-37.5°	18513.7	20740.7	23143.4	25568.0	28054.4	30422.6	32771.4	34977.4	36941.3	38869.7	40475.6
-40°	16263.5	18079.3	20076.1	22057.8	24186.4	26172.5	28193.0	30015.8	31683.4	33239.4	34532.2
-42.5°	14153.2	15732.3	17298.2	18983.9	20634.5	22295.7	23974.6	25485.6	26906.0	28185.4	29246.4
-45°	12267.4	13570.7	14858.2	16235.9	17521.5	18904.4	20198.2	21360.2	22561.4	23617.0	24491.0
-47.5°	10596.6	11606.4	12710.0	13792.3	14850.8	15951.3	16953.0	17879.5	18822.6	19630.7	20298.8
-50°	9072.1	9908.2	10796.5	11629.5	12519.5	13378.6	14159.4	14919.5	15646.0	16267.7	16781.1
-52.5°	7694.9	8414.6	9105.4	9778.2	10493.4	11150.6	11746.9	12370.0	12933.3	13414.8	13812.1
-55°	6557.9	7103.8	7617.9	8182.7	8735.3	9242.2	9718.0	10206.8	10634.7	11000.1	11301.3
-57.5°	5529.2	5957.6	6380.9	6822.1	7230.5	7604.7	7990.5	8365.1	8692.9	8972.6	9202.9
-60°	4596.1	4932.3	5296.4	5639.9	5957.6	6249.4	6557.9	6832.6	7072.8	7277.5	7446.0
-62.5°	3747.2	4041.7	4328.7	4596.1	4843.1	5087.4	5325.4	5537.3	5722.4	5880.0	6009.7
-65°	2960.5	3210.8	3445.4	3663.8	3866.3	4069.4	4252.9	4416.1	4558.5	4679.8	4779.5
-67.5°	2269.7	2460.5	2639.3	2805.6	2976.2	3140.4	3288.5	3420.2	3535.1	3632.9	3713.3
-70°	1650.8	1794.7	1929.4	2062.6	2197.9	2321.3	2432.6	2531.4	2617.7	2691.0	2751.3
-72.5°	1117.7	1213.5	1309.6	1418.4	1518.7	1610.1	1692.5	1765.7	1829.5	1883.8	1928.4
-75°	686.7	751.1	827.5	898.4	963.7	1023.3	1076.9	1124.5	1166.0	1201.3	1230.2
-77.5°	372.0	419.4	463.7	504.8	542.7	577.2	608.3	635.9	659.9	680.3	697.1
-80°	177.2	198.8	219.0	237.8	255.1	270.8	284.9	297.5	308.4	317.7	325.4
-82.5°	73.4	79.2	84.7	89.8	94.4	98.6	102.5	105.8	108.8	111.3	113.3
-85°	32.3	32.9	33.5	34.1	34.6	35.0	35.4	35.8	36.1	36.4	36.6
-87.5°	19.7	20.2	20.8	21.3	21.8	22.2	22.6	22.9	23.2	23.4	23.6
-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: P1212085 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-100R-40-70-7F-HEG

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°	23.8	23.9	24.0	24.0	24.0	23.9	23.8	23.6	23.4	23.2	22.9
85°	36.8	36.9	37.0	37.0	37.0	36.9	36.8	36.6	36.4	36.1	35.8
82.5°	114.9	116.1	116.8	117.0	116.8	116.1	114.9	113.3	111.3	108.8	105.8
80°	331.3	335.6	338.1	339.0	338.1	335.6	331.3	325.4	317.7	308.4	297.5
77.5°	710.1	719.5	725.1	727.0	725.1	719.5	710.1	697.1	680.3	659.9	635.9
75°	1252.9	1269.0	1278.8	1282.0	1278.8	1269.0	1252.9	1230.2	1201.3	1166.0	1124.5
72.5°	1963.1	1988.0	2003.0	2008.0	2003.0	1988.0	1963.1	1928.4	1883.8	1829.5	1765.7
70°	2798.3	2832.0	2852.2	2859.0	2852.2	2832.0	2798.3	2751.3	2691.0	2617.7	2531.4
67.5°	3776.0	3821.0	3848.0	3857.0	3848.0	3821.0	3776.0	3713.3	3632.9	3535.1	3420.2
65°	4857.4	4913.2	4946.8	4958.0	4946.8	4913.2	4857.4	4779.5	4679.8	4558.5	4416.1
62.5°	6111.1	6183.7	6227.4	6242.0	6227.4	6183.7	6111.1	6009.7	5880.0	5722.4	5537.3
60°	7577.8	7672.2	7729.0	7748.0	7729.0	7672.2	7577.8	7446.0	7277.5	7072.8	6832.6
57.5°	9383.1	9512.3	9590.0	9616.0	9590.0	9512.3	9383.1	9202.9	8972.6	8692.9	8365.1
55°	11537.0	11706.2	11808.0	11842.0	11808.0	11706.2	11537.0	11301.3	11000.1	10634.7	10206.8
52.5°	14123.2	14346.6	14481.1	14526.0	14481.1	14346.6	14123.2	13812.1	13414.8	12933.3	12370.0
50°	17183.5	17472.7	17646.8	17705.0	17646.8	17472.7	17183.5	16781.1	16267.7	15646.0	14919.5
47.5°	20823.1	21200.0	21427.1	21503.0	21427.1	21200.0	20823.1	20298.8	19630.7	18822.6	17879.5
45°	25177.5	25671.5	25969.4	26069.0	25969.4	25671.5	25177.5	24491.0	23617.0	22561.4	21360.2
42.5°	30080.9	30682.0	31044.7	31166.0	31044.7	30682.0	30080.9	29246.4	28185.4	26906.0	25485.6
40°	35550.6	36285.1	36728.7	36877.1	36728.7	36285.1	35550.6	34532.2	33239.4	31683.4	30015.8
37.5°	41743.0	42658.4	43211.9	43397.1	43211.9	42658.4	41743.0	40475.6	38869.7	36941.3	34977.4
35°	48554.2	49650.4	50313.9	50536.1	50313.9	49650.4	48554.2	47039.3	45124.1	42879.6	40460.9
32.5°	56015.9	57342.4	58146.6	58416.1	58146.6	57342.4	56015.9	54186.8	51880.7	49260.0	46390.3
30°	64041.6	65608.8	66560.8	66880.1	66560.8	65608.8	64041.6	61886.5	59178.7	56127.9	52692.8
27.5°	72669.7	74552.0	75698.1	76083.1	75698.1	74552.0	72669.7	70090.4	66864.5	63351.2	59345.9
25°	81659.3	83815.1	85132.0	85575.1	85132.0	83815.1	81659.3	78718.2	75089.0	70912.6	66236.3
22.5°	90788.6	93249.4	94759.1	95268.1	94759.1	93249.4	90788.6	87450.8	83371.2	78650.8	73424.2
20°	99764.4	102457.9	104120.0	104682.2	104120.0	102457.9	99764.4	96138.9	91590.6	86295.4	80499.1
17.5°	108423.8	111449.9	113332.5	113972.2	113332.5	111449.9	108423.8	104389.6	99442.4	93736.9	87307.5
15°	116628.2	119874.2	121918.0	122617.2	121918.0	119874.2	116628.2	112248.5	106788.1	100575.5	93736.9
12.5°	124069.0	127501.3	129579.6	130256.7	129579.6	127501.3	124069.0	119304.7	113574.7	106788.1	99442.4
10°	130320.4	133874.2	136005.7	136741.2	136005.7	133874.2	130320.4	125479.6	119304.7	112248.5	104389.6
7.5°	135313.5	138980.8	141149.3	141885.2	141149.3	138980.8	135313.5	130320.4	124069.0	116628.2	108423.8
5°	138980.8	142675.8	144938.3	145687.2	144938.3	142675.8	138980.8	133874.2	127501.3	119874.2	111449.9
2.5°	141149.3	144938.3	147194.4	147952.7	147194.4	144938.3	141149.3	136005.7	129579.6	121918.0	113332.5
0°	141885.2	145687.2	147952.7	148747.2	147952.7	145687.2	141885.2	136741.2	130256.7	122617.2	113972.2
-2.5°	141149.3	144938.3	147194.4	147952.7	147194.4	144938.3	141149.3	136005.7	129579.6	121918.0	113332.5
-5°	138980.8	142675.8	144938.3	145687.2	144938.3	142675.8	138980.8	133874.2	127501.3	119874.2	111449.9
-7.5°	135313.5	138980.8	141149.3	141885.2	141149.3	138980.8	135313.5	130320.4	124069.0	116628.2	108423.8
-10°	130320.4	133874.2	136005.7	136741.2	136005.7	133874.2	130320.4	125479.6	119304.7	112248.5	104389.6
-12.5°	124069.0	127501.3	129579.6	130256.7	129579.6	127501.3	124069.0	119304.7	113574.7	106788.1	99442.4
-15°	116628.2	119874.2	121918.0	122617.2	121918.0	119874.2	116628.2	112248.5	106788.1	100575.5	93736.9
-17.5°	108423.8	111449.9	113332.5	113972.2	113332.5	111449.9	108423.8	104389.6	99442.4	93736.9	87307.5
-20°	99764.4	102457.9	104120.0	104682.2	104120.0	102457.9	99764.4	96138.9	91590.6	86295.4	80499.1



REPORT NUMBER: P1212085 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-7F-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	90788.6	93249.4	94759.1	95268.1	94759.1	93249.4	90788.6	87450.8	83371.2	78650.8	73424.2
-25°	81659.3	83815.1	85132.0	85575.1	85132.0	83815.1	81659.3	78718.2	75089.0	70912.6	66236.3
-27.5°	72669.7	74552.0	75698.1	76083.1	75698.1	74552.0	72669.7	70090.4	66864.5	63351.2	59345.9
-30°	64041.6	65608.8	66560.8	66880.1	66560.8	65608.8	64041.6	61886.5	59178.7	56127.9	52692.8
-32.5°	56015.9	57342.4	58146.6	58416.1	58146.6	57342.4	56015.9	54186.8	51880.7	49260.0	46390.3
-35°	48554.2	49650.4	50313.9	50536.1	50313.9	49650.4	48554.2	47039.3	45124.1	42879.6	40460.9
-37.5°	41743.0	42658.4	43211.9	43397.1	43211.9	42658.4	41743.0	40475.6	38869.7	36941.3	34977.4
-40°	35550.6	36285.1	36728.7	36877.1	36728.7	36285.1	35550.6	34532.2	33239.4	31683.4	30015.8
-42.5°	30080.9	30682.0	31044.7	31166.0	31044.7	30682.0	30080.9	29246.4	28185.4	26906.0	25485.6
-45°	25177.5	25671.5	25969.4	26069.0	25969.4	25671.5	25177.5	24491.0	23617.0	22561.4	21360.2
-47.5°	20823.1	21200.0	21427.1	21503.0	21427.1	21200.0	20823.1	20298.8	19630.7	18822.6	17879.5
-50°	17183.5	17472.7	17646.8	17705.0	17646.8	17472.7	17183.5	16781.1	16267.7	15646.0	14919.5
-52.5°	14123.2	14346.6	14481.1	14526.0	14481.1	14346.6	14123.2	13812.1	13414.8	12933.3	12370.0
-55°	11537.0	11706.2	11808.0	11842.0	11808.0	11706.2	11537.0	11301.3	11000.1	10634.7	10206.8
-57.5°	9383.1	9512.3	9590.0	9616.0	9590.0	9512.3	9383.1	9202.9	8972.6	8692.9	8365.1
-60°	7577.8	7672.2	7729.0	7748.0	7729.0	7672.2	7577.8	7446.0	7277.5	7072.8	6832.6
-62.5°	6111.1	6183.7	6227.4	6242.0	6227.4	6183.7	6111.1	6009.7	5880.0	5722.4	5537.3
-65°	4857.4	4913.2	4946.8	4958.0	4946.8	4913.2	4857.4	4779.5	4679.8	4558.5	4416.1
-67.5°	3776.0	3821.0	3848.0	3857.0	3848.0	3821.0	3776.0	3713.3	3632.9	3535.1	3420.2
-70°	2798.3	2832.0	2852.2	2859.0	2852.2	2832.0	2798.3	2751.3	2691.0	2617.7	2531.4
-72.5°	1963.1	1988.0	2003.0	2008.0	2003.0	1988.0	1963.1	1928.4	1883.8	1829.5	1765.7
-75°	1252.9	1269.0	1278.8	1282.0	1278.8	1269.0	1252.9	1230.2	1201.3	1166.0	1124.5
-77.5°	710.1	719.5	725.1	727.0	725.1	719.5	710.1	697.1	680.3	659.9	635.9
-80°	331.3	335.6	338.1	339.0	338.1	335.6	331.3	325.4	317.7	308.4	297.5
-82.5°	114.9	116.1	116.8	117.0	116.8	116.1	114.9	113.3	111.3	108.8	105.8
-85°	36.8	36.9	37.0	37.0	37.0	36.9	36.8	36.6	36.4	36.1	35.8
-87.5°	23.8	23.9	24.0	24.0	24.0	23.9	23.8	23.6	23.4	23.2	22.9
-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: P1212085 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-100R-40-70-7F-HEG

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°	22.6	22.2	21.8	21.3	20.8	20.2	19.7	19.0	18.4	17.7	17.0
85°	35.4	35.0	34.6	34.1	33.5	32.9	32.3	31.6	30.9	30.2	29.4
82.5°	102.5	98.6	94.4	89.8	84.7	79.2	73.4	67.2	60.6	53.7	46.5
80°	284.9	270.8	255.1	237.8	219.0	198.8	177.2	154.2	129.8	112.4	102.7
77.5°	608.3	577.2	542.7	504.8	463.7	419.4	372.0	329.0	298.5	266.4	232.7
75°	1076.9	1023.3	963.7	898.4	827.5	751.1	686.7	626.0	561.8	494.3	423.6
72.5°	1692.5	1610.1	1518.7	1418.4	1309.6	1213.5	1117.7	1016.0	908.6	795.6	692.3
70°	2432.6	2321.3	2197.9	2062.6	1929.4	1794.7	1650.8	1498.1	1336.9	1194.4	1059.0
67.5°	3288.5	3140.4	2976.2	2805.6	2639.3	2460.5	2269.7	2067.3	1876.4	1685.1	1485.2
65°	4252.9	4069.4	3866.3	3663.8	3445.4	3210.8	2960.5	2719.4	2481.0	2230.9	1975.4
62.5°	5325.4	5087.4	4843.1	4596.1	4328.7	4041.7	3747.2	3453.6	3144.4	2826.1	2537.9
60°	6557.9	6249.4	5957.6	5639.9	5296.4	4932.3	4596.1	4240.4	3866.3	3510.4	3140.4
57.5°	7990.5	7604.7	7230.5	6822.1	6380.9	5957.6	5529.2	5076.6	4652.0	4225.6	3788.8
55°	9718.0	9242.2	8735.3	8182.7	7617.9	7103.8	6557.9	6020.2	5504.8	4966.7	4485.7
52.5°	11746.9	11150.6	10493.4	9778.2	9105.4	8414.6	7694.9	7072.8	6420.8	5814.9	5213.1
50°	14159.4	13378.6	12519.5	11629.5	10796.5	9908.2	9072.1	8241.9	7446.0	6717.0	6002.7
47.5°	16953.0	15951.3	14850.8	13792.3	12710.0	11606.4	10596.6	9549.1	8619.9	7672.2	6866.2
45°	20198.2	18904.4	17521.5	16235.9	14858.2	13570.7	12267.4	11062.0	9881.1	8810.3	7748.0
42.5°	23974.6	22295.7	20634.5	18983.9	17298.2	15732.3	14153.2	12698.1	11296.6	9996.7	8810.3
40°	28193.0	26172.5	24186.4	22057.8	20076.1	18079.3	16263.5	14447.1	12842.6	11296.6	9881.1
37.5°	32771.4	30422.6	28054.4	25568.0	23143.4	20740.7	18513.7	16441.8	14447.1	12698.1	11062.0
35°	37741.8	35010.0	32163.4	29334.8	26449.5	23692.3	20963.8	18513.7	16263.5	14153.2	12267.4
32.5°	43194.9	39971.9	36537.1	33281.0	29983.1	26765.3	23692.3	20740.7	18079.3	15732.3	13570.7
30°	49018.8	45224.6	41337.0	37373.1	33656.9	29983.1	26449.5	23143.4	20076.1	17298.2	14858.2
27.5°	55143.7	50642.9	46265.9	41796.8	37373.1	33281.0	29334.8	25568.0	22057.8	18983.9	16235.9
25°	61434.9	56392.9	51243.9	46265.9	41337.0	36537.1	32163.4	28054.4	24186.4	20634.5	17521.5
22.5°	67785.1	62141.2	56392.9	50642.9	45224.6	39971.9	35010.0	30422.6	26172.5	22295.7	18904.4
20°	74276.0	67785.1	61434.9	55143.7	49018.8	43194.9	37741.8	32771.4	28193.0	23974.6	20198.2
17.5°	80499.1	73424.2	66236.3	59345.9	52692.8	46390.3	40460.9	34977.4	30015.8	25485.6	21360.2
15°	86295.4	78650.8	70912.6	63351.2	56127.9	49260.0	42879.6	36941.3	31683.4	26906.0	22561.4
12.5°	91590.6	83371.2	75089.0	66864.5	59178.7	51880.7	45124.1	38869.7	33239.4	28185.4	23617.0
10°	96138.9	87450.8	78718.2	70090.4	61886.5	54186.8	47039.3	40475.6	34532.2	29246.4	24491.0
7.5°	99764.4	90788.6	81659.3	72669.7	64041.6	56015.9	48554.2	41743.0	35550.6	30080.9	25177.5
5°	102457.9	93249.4	83815.1	74552.0	65608.8	57342.4	49650.4	42658.4	36285.1	30682.0	25671.5
2.5°	104120.0	94759.1	85132.0	75698.1	66560.8	58146.6	50313.9	43211.9	36728.7	31044.7	25969.4
0°	104682.2	95268.1	85575.1	76083.1	66880.1	58416.1	50536.1	43397.1	36877.1	31166.0	26069.0
-2.5°	104120.0	94759.1	85132.0	75698.1	66560.8	58146.6	50313.9	43211.9	36728.7	31044.7	25969.4
-5°	102457.9	93249.4	83815.1	74552.0	65608.8	57342.4	49650.4	42658.4	36285.1	30682.0	25671.5
-7.5°	99764.4	90788.6	81659.3	72669.7	64041.6	56015.9	48554.2	41743.0	35550.6	30080.9	25177.5
-10°	96138.9	87450.8	78718.2	70090.4	61886.5	54186.8	47039.3	40475.6	34532.2	29246.4	24491.0
-12.5°	91590.6	83371.2	75089.0	66864.5	59178.7	51880.7	45124.1	38869.7	33239.4	28185.4	23617.0
-15°	86295.4	78650.8	70912.6	63351.2	56127.9	49260.0	42879.6	36941.3	31683.4	26906.0	22561.4
-17.5°	80499.1	73424.2	66236.3	59345.9	52692.8	46390.3	40460.9	34977.4	30015.8	25485.6	21360.2
-20°	74276.0	67785.1	61434.9	55143.7	49018.8	43194.9	37741.8	32771.4	28193.0	23974.6	20198.2



REPORT NUMBER: P1212085 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-7F-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	67785.1	62141.2	56392.9	50642.9	45224.6	39971.9	35010.0	30422.6	26172.5	22295.7	18904.4
-25°	61434.9	56392.9	51243.9	46265.9	41337.0	36537.1	32163.4	28054.4	24186.4	20634.5	17521.5
-27.5°	55143.7	50642.9	46265.9	41796.8	37373.1	33281.0	29334.8	25568.0	22057.8	18983.9	16235.9
-30°	49018.8	45224.6	41337.0	37373.1	33656.9	29983.1	26449.5	23143.4	20076.1	17298.2	14858.2
-32.5°	43194.9	39971.9	36537.1	33281.0	29983.1	26765.3	23692.3	20740.7	18079.3	15732.3	13570.7
-35°	37741.8	35010.0	32163.4	29334.8	26449.5	23692.3	20963.8	18513.7	16263.5	14153.2	12267.4
-37.5°	32771.4	30422.6	28054.4	25568.0	23143.4	20740.7	18513.7	16441.8	14447.1	12698.1	11062.0
-40°	28193.0	26172.5	24186.4	22057.8	20076.1	18079.3	16263.5	14447.1	12842.6	11296.6	9881.1
-42.5°	23974.6	22295.7	20634.5	18983.9	17298.2	15732.3	14153.2	12698.1	11296.6	9996.7	8810.3
-45°	20198.2	18904.4	17521.5	16235.9	14858.2	13570.7	12267.4	11062.0	9881.1	8810.3	7748.0
-47.5°	16953.0	15951.3	14850.8	13792.3	12710.0	11606.4	10596.6	9549.1	8619.9	7672.2	6866.2
-50°	14159.4	13378.6	12519.5	11629.5	10796.5	9908.2	9072.1	8241.9	7446.0	6717.0	6002.7
-52.5°	11746.9	11150.6	10493.4	9778.2	9105.4	8414.6	7694.9	7072.8	6420.8	5814.9	5213.1
-55°	9718.0	9242.2	8735.3	8182.7	7617.9	7103.8	6557.9	6020.2	5504.8	4966.7	4485.7
-57.5°	7990.5	7604.7	7230.5	6822.1	6380.9	5957.6	5529.2	5076.6	4652.0	4225.6	3788.8
-60°	6557.9	6249.4	5957.6	5639.9	5296.4	4932.3	4596.1	4240.4	3866.3	3510.4	3140.4
-62.5°	5325.4	5087.4	4843.1	4596.1	4328.7	4041.7	3747.2	3453.6	3144.4	2826.1	2537.9
-65°	4252.9	4069.4	3866.3	3663.8	3445.4	3210.8	2960.5	2719.4	2481.0	2230.9	1975.4
-67.5°	3288.5	3140.4	2976.2	2805.6	2639.3	2460.5	2269.7	2067.3	1876.4	1685.1	1485.2
-70°	2432.6	2321.3	2197.9	2062.6	1929.4	1794.7	1650.8	1498.1	1336.9	1194.4	1059.0
-72.5°	1692.5	1610.1	1518.7	1418.4	1309.6	1213.5	1117.7	1016.0	908.6	795.6	692.3
-75°	1076.9	1023.3	963.7	898.4	827.5	751.1	686.7	626.0	561.8	494.3	423.6
-77.5°	608.3	577.2	542.7	504.8	463.7	419.4	372.0	329.0	298.5	266.4	232.7
-80°	284.9	270.8	255.1	237.8	219.0	198.8	177.2	154.2	129.8	112.4	102.7
-82.5°	102.5	98.6	94.4	89.8	84.7	79.2	73.4	67.2	60.6	53.7	46.5
-85°	35.4	35.0	34.6	34.1	33.5	32.9	32.3	31.6	30.9	30.2	29.4
-87.5°	22.6	22.2	21.8	21.3	20.8	20.2	19.7	19.0	18.4	17.7	17.0
-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: P1212085 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-7F-HEG

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°	16.2	15.4	14.6	13.8	12.9	12.0	11.1	10.1	9.2	8.2	7.2
85°	28.6	27.7	26.8	25.9	25.0	24.0	22.1	20.3	18.3	16.4	14.4
82.5°	38.9	36.0	34.7	33.3	31.9	30.5	29.0	27.4	25.9	24.3	21.6
80°	92.6	82.1	71.2	59.9	48.3	36.9	34.9	32.9	30.8	28.7	26.6
77.5°	197.6	161.2	123.3	105.2	90.7	75.8	60.5	44.9	35.7	33.1	30.4
75°	349.9	301.4	256.0	209.1	160.8	114.9	96.6	77.9	58.9	39.5	34.2
72.5°	606.2	516.7	424.0	333.0	276.7	218.9	159.7	110.6	88.5	65.9	43.0
70°	917.9	771.4	652.1	542.8	430.5	325.4	257.9	189.0	118.8	92.0	65.9
67.5°	1278.3	1113.3	942.7	766.9	628.5	499.0	366.6	277.5	198.8	118.8	88.5
65°	1743.7	1503.5	1261.7	1066.3	865.7	680.3	533.5	383.8	277.5	189.0	110.6
62.5°	2238.4	1940.0	1666.9	1385.9	1141.0	915.4	697.6	533.5	366.6	257.9	159.7
60°	2771.4	2432.6	2083.2	1765.7	1451.6	1166.0	915.4	680.3	499.0	325.4	218.9
57.5°	3371.7	2940.6	2549.9	2161.1	1798.8	1451.6	1141.0	865.7	628.5	430.5	276.7
55°	3988.8	3511.6	3033.3	2589.2	2161.1	1765.7	1385.9	1066.3	766.9	542.8	333.0
52.5°	4643.0	4092.9	3558.4	3033.3	2549.9	2083.2	1666.9	1261.7	942.7	652.1	424.0
50°	5337.2	4695.7	4092.9	3511.6	2940.6	2432.6	1940.0	1503.5	1113.3	771.4	516.7
47.5°	6065.6	5337.2	4643.0	3988.8	3371.7	2771.4	2238.4	1743.7	1278.3	917.9	606.2
45°	6866.2	6002.7	5213.1	4485.7	3788.8	3140.4	2537.9	1975.4	1485.2	1059.0	692.3
42.5°	7672.2	6717.0	5814.9	4966.7	4225.6	3510.4	2826.1	2230.9	1685.1	1194.4	795.6
40°	8619.9	7446.0	6420.8	5504.8	4652.0	3866.3	3144.4	2481.0	1876.4	1336.9	908.6
37.5°	9549.1	8241.9	7072.8	6020.2	5076.6	4240.4	3453.6	2719.4	2067.3	1498.1	1016.0
35°	10596.6	9072.1	7694.9	6557.9	5529.2	4596.1	3747.2	2960.5	2269.7	1650.8	1117.7
32.5°	11606.4	9908.2	8414.6	7103.8	5957.6	4932.3	4041.7	3210.8	2460.5	1794.7	1213.5
30°	12710.0	10796.5	9105.4	7617.9	6380.9	5296.4	4328.7	3445.4	2639.3	1929.4	1309.6
27.5°	13792.3	11629.5	9778.2	8182.7	6822.1	5639.9	4596.1	3663.8	2805.6	2062.6	1418.4
25°	14850.8	12519.5	10493.4	8735.3	7230.5	5957.6	4843.1	3866.3	2976.2	2197.9	1518.7
22.5°	15951.3	13378.6	11150.6	9242.2	7604.7	6249.4	5087.4	4069.4	3140.4	2321.3	1610.1
20°	16953.0	14159.4	11746.9	9718.0	7990.5	6557.9	5325.4	4252.9	3288.5	2432.6	1692.5
17.5°	17879.5	14919.5	12370.0	10206.8	8365.1	6832.6	5537.3	4416.1	3420.2	2531.4	1765.7
15°	18822.6	15646.0	12933.3	10634.7	8692.9	7072.8	5722.4	4558.5	3535.1	2617.7	1829.5
12.5°	19630.7	16267.7	13414.8	11000.1	8972.6	7277.5	5880.0	4679.8	3632.9	2691.0	1883.8
10°	20298.8	16781.1	13812.1	11301.3	9202.9	7446.0	6009.7	4779.5	3713.3	2751.3	1928.4
7.5°	20823.1	17183.5	14123.2	11537.0	9383.1	7577.8	6111.1	4857.4	3776.0	2798.3	1963.1
5°	21200.0	17472.7	14346.6	11706.2	9512.3	7672.2	6183.7	4913.2	3821.0	2832.0	1988.0
2.5°	21427.1	17646.8	14481.1	11808.0	9590.0	7729.0	6227.4	4946.8	3848.0	2852.2	2003.0
0°	21503.0	17705.0	14526.0	11842.0	9616.0	7748.0	6242.0	4958.0	3857.0	2859.0	2008.0
-2.5°	21427.1	17646.8	14481.1	11808.0	9590.0	7729.0	6227.4	4946.8	3848.0	2852.2	2003.0
-5°	21200.0	17472.7	14346.6	11706.2	9512.3	7672.2	6183.7	4913.2	3821.0	2832.0	1988.0
-7.5°	20823.1	17183.5	14123.2	11537.0	9383.1	7577.8	6111.1	4857.4	3776.0	2798.3	1963.1
-10°	20298.8	16781.1	13812.1	11301.3	9202.9	7446.0	6009.7	4779.5	3713.3	2751.3	1928.4
-12.5°	19630.7	16267.7	13414.8	11000.1	8972.6	7277.5	5880.0	4679.8	3632.9	2691.0	1883.8
-15°	18822.6	15646.0	12933.3	10634.7	8692.9	7072.8	5722.4	4558.5	3535.1	2617.7	1829.5
-17.5°	17879.5	14919.5	12370.0	10206.8	8365.1	6832.6	5537.3	4416.1	3420.2	2531.4	1765.7
-20°	16953.0	14159.4	11746.9	9718.0	7990.5	6557.9	5325.4	4252.9	3288.5	2432.6	1692.5



REPORT NUMBER: P1212085 (CONVERTED FROM TYPE C PHOTOMETRY)

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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°	15951.3	13378.6	11150.6	9242.2	7604.7	6249.4	5087.4	4069.4	3140.4	2321.3	1610.1
-25°	14850.8	12519.5	10493.4	8735.3	7230.5	5957.6	4843.1	3866.3	2976.2	2197.9	1518.7
-27.5°	13792.3	11629.5	9778.2	8182.7	6822.1	5639.9	4596.1	3663.8	2805.6	2062.6	1418.4
-30°	12710.0	10796.5	9105.4	7617.9	6380.9	5296.4	4328.7	3445.4	2639.3	1929.4	1309.6
-32.5°	11606.4	9908.2	8414.6	7103.8	5957.6	4932.3	4041.7	3210.8	2460.5	1794.7	1213.5
-35°	10596.6	9072.1	7694.9	6557.9	5529.2	4596.1	3747.2	2960.5	2269.7	1650.8	1117.7
-37.5°	9549.1	8241.9	7072.8	6020.2	5076.6	4240.4	3453.6	2719.4	2067.3	1498.1	1016.0
-40°	8619.9	7446.0	6420.8	5504.8	4652.0	3866.3	3144.4	2481.0	1876.4	1336.9	908.6
-42.5°	7672.2	6717.0	5814.9	4966.7	4225.6	3510.4	2826.1	2230.9	1685.1	1194.4	795.6
-45°	6866.2	6002.7	5213.1	4485.7	3788.8	3140.4	2537.9	1975.4	1485.2	1059.0	692.3
-47.5°	6065.6	5337.2	4643.0	3988.8	3371.7	2771.4	2238.4	1743.7	1278.3	917.9	606.2
-50°	5337.2	4695.7	4092.9	3511.6	2940.6	2432.6	1940.0	1503.5	1113.3	771.4	516.7
-52.5°	4643.0	4092.9	3558.4	3033.3	2549.9	2083.2	1666.9	1261.7	942.7	652.1	424.0
-55°	3988.8	3511.6	3033.3	2589.2	2161.1	1765.7	1385.9	1066.3	766.9	542.8	333.0
-57.5°	3371.7	2940.6	2549.9	2161.1	1798.8	1451.6	1141.0	865.7	628.5	430.5	276.7
-60°	2771.4	2432.6	2083.2	1765.7	1451.6	1166.0	915.4	680.3	499.0	325.4	218.9
-62.5°	2238.4	1940.0	1666.9	1385.9	1141.0	915.4	697.6	533.5	366.6	257.9	159.7
-65°	1743.7	1503.5	1261.7	1066.3	865.7	680.3	533.5	383.8	277.5	189.0	110.6
-67.5°	1278.3	1113.3	942.7	766.9	628.5	499.0	366.6	277.5	198.8	118.8	88.5
-70°	917.9	771.4	652.1	542.8	430.5	325.4	257.9	189.0	118.8	92.0	65.9
-72.5°	606.2	516.7	424.0	333.0	276.7	218.9	159.7	110.6	88.5	65.9	43.0
-75°	349.9	301.4	256.0	209.1	160.8	114.9	96.6	77.9	58.9	39.5	34.2
-77.5°	197.6	161.2	123.3	105.2	90.7	75.8	60.5	44.9	35.7	33.1	30.4
-80°	92.6	82.1	71.2	59.9	48.3	36.9	34.9	32.9	30.8	28.7	26.6
-82.5°	38.9	36.0	34.7	33.3	31.9	30.5	29.0	27.4	25.9	24.3	21.6
-85°	28.6	27.7	26.8	25.9	25.0	24.0	22.1	20.3	18.3	16.4	14.4
-87.5°	16.2	15.4	14.6	13.8	12.9	12.0	11.1	10.1	9.2	8.2	7.2
-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: P1212085 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	6.2	5.2	4.2	3.1	2.1	1.0	0.0
85°	12.4	10.4	8.3	6.3	4.2	2.1	0.0
82.5°	18.6	15.5	12.5	9.4	6.3	3.1	0.0
80°	24.4	20.7	16.6	12.5	8.3	4.2	0.0
77.5°	27.7	25.0	20.7	15.5	10.4	5.2	0.0
75°	31.0	27.7	24.4	18.6	12.4	6.2	0.0
72.5°	34.2	30.4	26.6	21.6	14.4	7.2	0.0
70°	39.5	33.1	28.7	24.3	16.4	8.2	0.0
67.5°	58.9	35.7	30.8	25.9	18.3	9.2	0.0
65°	77.9	44.9	32.9	27.4	20.3	10.1	0.0
62.5°	96.6	60.5	34.9	29.0	22.1	11.1	0.0
60°	114.9	75.8	36.9	30.5	24.0	12.0	0.0
57.5°	160.8	90.7	48.3	31.9	25.0	12.9	0.0
55°	209.1	105.2	59.9	33.3	25.9	13.8	0.0
52.5°	256.0	123.3	71.2	34.7	26.8	14.6	0.0
50°	301.4	161.2	82.1	36.0	27.7	15.4	0.0
47.5°	349.9	197.6	92.6	38.9	28.6	16.2	0.0
45°	423.6	232.7	102.7	46.5	29.4	17.0	0.0
42.5°	494.3	266.4	112.4	53.7	30.2	17.7	0.0
40°	561.8	298.5	129.8	60.6	30.9	18.4	0.0
37.5°	626.0	329.0	154.2	67.2	31.6	19.0	0.0
35°	686.7	372.0	177.2	73.4	32.3	19.7	0.0
32.5°	751.1	419.4	198.8	79.2	32.9	20.2	0.0
30°	827.5	463.7	219.0	84.7	33.5	20.8	0.0
27.5°	898.4	504.8	237.8	89.8	34.1	21.3	0.0
25°	963.7	542.7	255.1	94.4	34.6	21.8	0.0
22.5°	1023.3	577.2	270.8	98.6	35.0	22.2	0.0
20°	1076.9	608.3	284.9	102.5	35.4	22.6	0.0
17.5°	1124.5	635.9	297.5	105.8	35.8	22.9	0.0
15°	1166.0	659.9	308.4	108.8	36.1	23.2	0.0
12.5°	1201.3	680.3	317.7	111.3	36.4	23.4	0.0
10°	1230.2	697.1	325.4	113.3	36.6	23.6	0.0
7.5°	1252.9	710.1	331.3	114.9	36.8	23.8	0.0
5°	1269.0	719.5	335.6	116.1	36.9	23.9	0.0
2.5°	1278.8	725.1	338.1	116.8	37.0	24.0	0.0
0°	1282.0	727.0	339.0	117.0	37.0	24.0	0.0
-2.5°	1278.8	725.1	338.1	116.8	37.0	24.0	0.0
-5°	1269.0	719.5	335.6	116.1	36.9	23.9	0.0
-7.5°	1252.9	710.1	331.3	114.9	36.8	23.8	0.0
-10°	1230.2	697.1	325.4	113.3	36.6	23.6	0.0
-12.5°	1201.3	680.3	317.7	111.3	36.4	23.4	0.0
-15°	1166.0	659.9	308.4	108.8	36.1	23.2	0.0
-17.5°	1124.5	635.9	297.5	105.8	35.8	22.9	0.0
-20°	1076.9	608.3	284.9	102.5	35.4	22.6	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1023.3	577.2	270.8	98.6	35.0	22.2	0.0
-25°	963.7	542.7	255.1	94.4	34.6	21.8	0.0
-27.5°	898.4	504.8	237.8	89.8	34.1	21.3	0.0
-30°	827.5	463.7	219.0	84.7	33.5	20.8	0.0
-32.5°	751.1	419.4	198.8	79.2	32.9	20.2	0.0
-35°	686.7	372.0	177.2	73.4	32.3	19.7	0.0
-37.5°	626.0	329.0	154.2	67.2	31.6	19.0	0.0
-40°	561.8	298.5	129.8	60.6	30.9	18.4	0.0
-42.5°	494.3	266.4	112.4	53.7	30.2	17.7	0.0
-45°	423.6	232.7	102.7	46.5	29.4	17.0	0.0
-47.5°	349.9	197.6	92.6	38.9	28.6	16.2	0.0
-50°	301.4	161.2	82.1	36.0	27.7	15.4	0.0
-52.5°	256.0	123.3	71.2	34.7	26.8	14.6	0.0
-55°	209.1	105.2	59.9	33.3	25.9	13.8	0.0
-57.5°	160.8	90.7	48.3	31.9	25.0	12.9	0.0
-60°	114.9	75.8	36.9	30.5	24.0	12.0	0.0
-62.5°	96.6	60.5	34.9	29.0	22.1	11.1	0.0
-65°	77.9	44.9	32.9	27.4	20.3	10.1	0.0
-67.5°	58.9	35.7	30.8	25.9	18.3	9.2	0.0
-70°	39.5	33.1	28.7	24.3	16.4	8.2	0.0
-72.5°	34.2	30.4	26.6	21.6	14.4	7.2	0.0
-75°	31.0	27.7	24.4	18.6	12.4	6.2	0.0
-77.5°	27.7	25.0	20.7	15.5	10.4	5.2	0.0
-80°	24.4	20.7	16.6	12.5	8.3	4.2	0.0
-82.5°	18.6	15.5	12.5	9.4	6.3	3.1	0.0
-85°	12.4	10.4	8.3	6.3	4.2	2.1	0.0
-87.5°	6.2	5.2	4.2	3.1	2.1	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)