

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: P731415 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-70-4S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731415 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-25)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-57-70-4S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

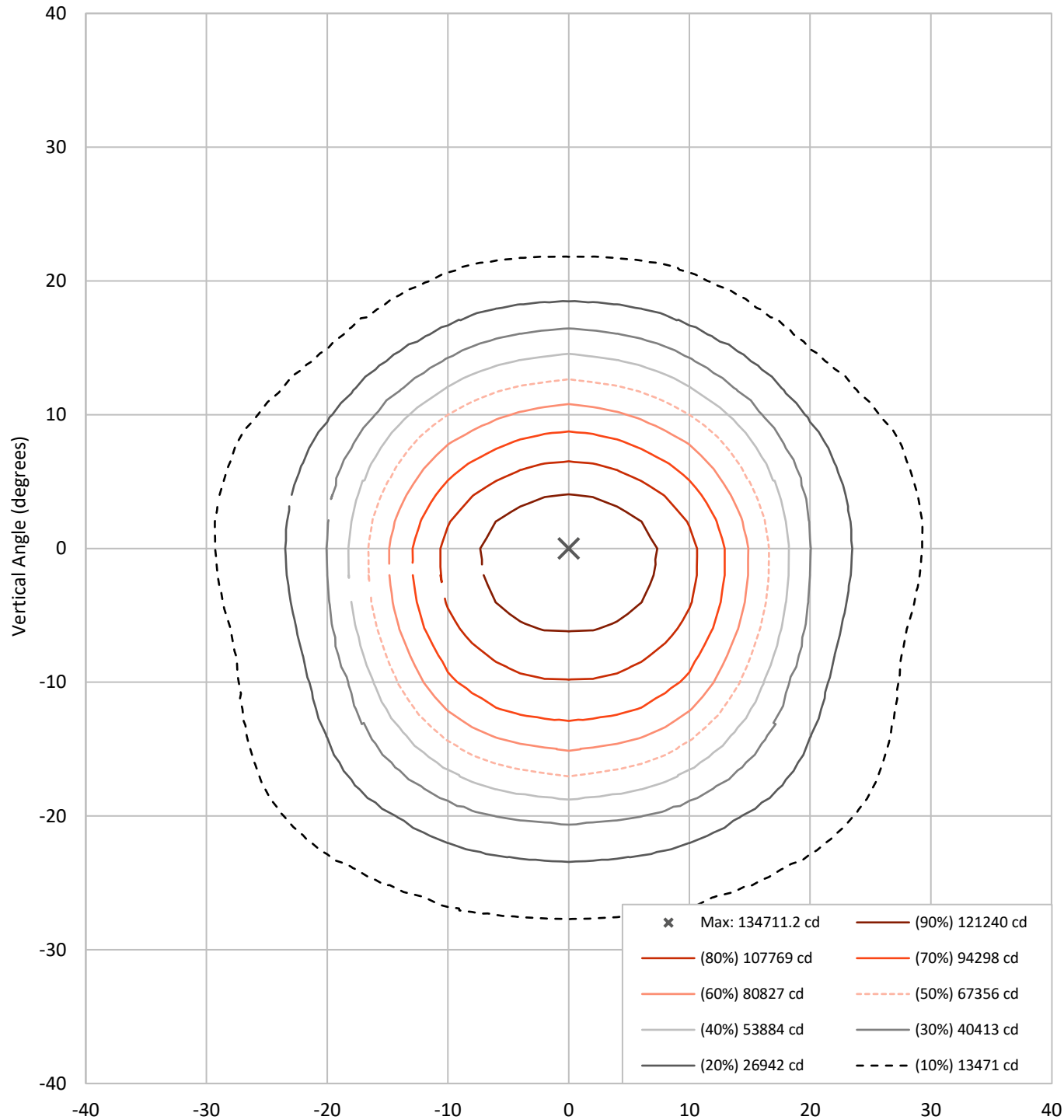
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	43113.7 lumens	Max Intensity:	134711.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	124.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.2°H x 29.7°V	Field Angle (10%):	58.6°H x 49.3°V
Beam Lumens:	23657.9 lumens	Field Lumens:	37905 lumens
Beam Efficiency:	54.9%	Field Efficiency:	87.9%

Input Watts (W): 345.8
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



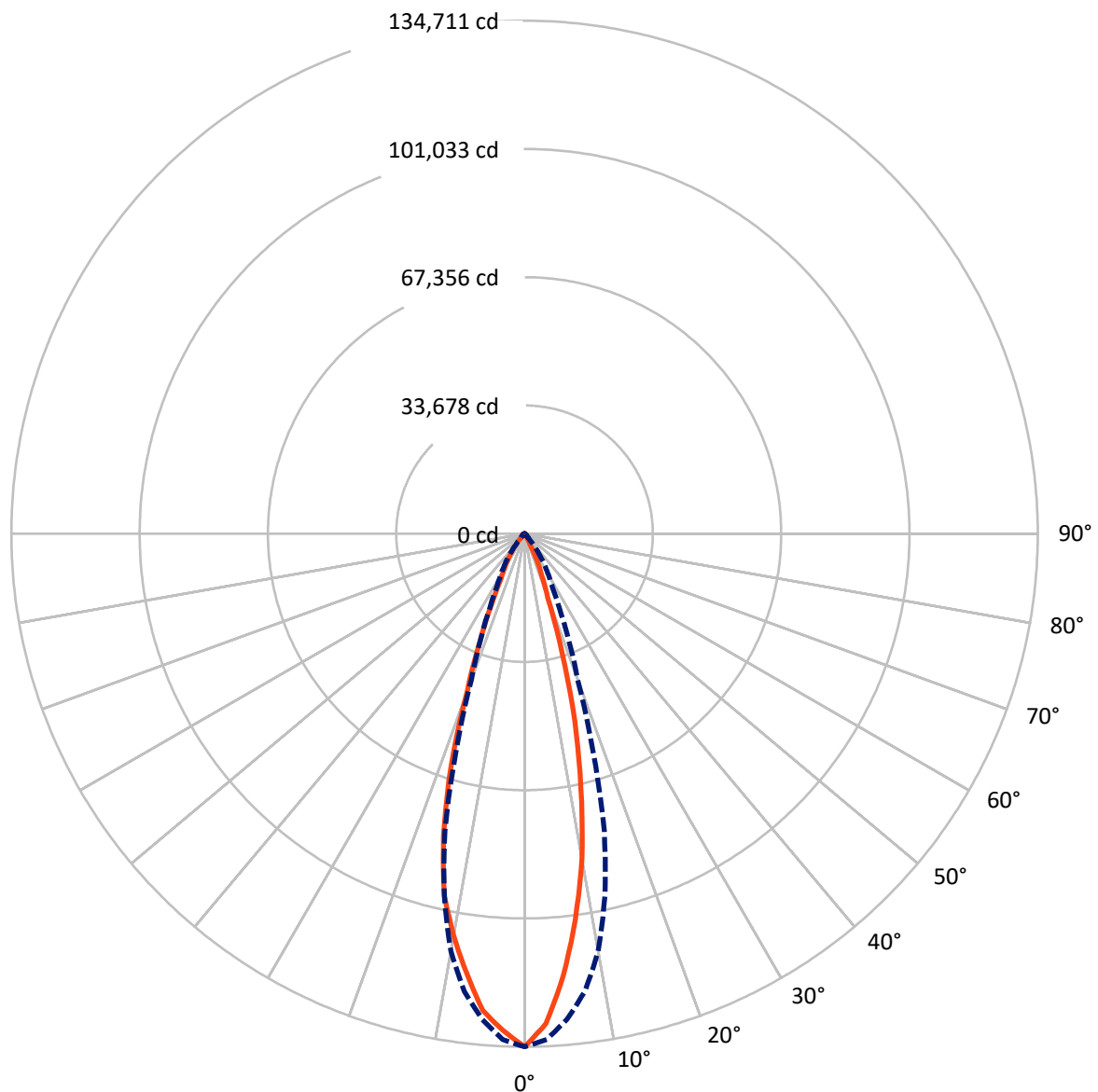
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Lumen Table

90																
80	0.1	0.3		0.4		0.3		0.3		0.3		0.4		0.3		0.1
70	0.1	0.1	0.1	0.2	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.2	0.1	0.1	0.1
60		0.1	0.2	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.2	0.1	
50	0.1	0.1	0.2	0.4	0.4	0.5	0.7	0.8	0.8	0.7	0.5	0.4	0.4	0.2	0.1	0.1
40		0.1	0.5	1.0	1.8	4.1	8.1	11.2	11.2	8.1	4.1	1.8	1.0	0.5	0.1	
30	0.1	0.2	1.6	4.2	15.8	57.5	136.2	230.3	230.3	136.2	57.5	15.8	4.2	1.6	0.2	0.1
20		0.5	3.5	11.4	69.8	241.7	741.6	1401.1	1401.1	741.6	241.7	69.8	11.4	3.5	0.5	
10	0.2	1.0	6.0	21.4	162.6	579.0	1920.7	3245.4	3245.4	1920.7	579.0	162.6	21.4	6.0	1.0	0.2
0		1.6	8.0	25.4	169.4	597.1	2155.8	3563.0	3563.0	2155.8	597.1	169.4	25.4	8.0	1.6	
-10	0.3	1.9	8.2	21.9	132.2	440.2	1287.5	2249.3	2249.3	1287.5	440.2	132.2	21.9	8.2	1.9	0.3
-20		1.8	7.0	15.0	57.1	208.9	434.8	650.8	650.8	434.8	208.9	57.1	15.0	7.0	1.8	
-30	0.2	1.4	5.4	10.4	19.6	56.4	128.1	181.0	181.0	128.1	56.4	19.6	10.4	5.4	1.4	0.2
-40		0.9	3.6	7.9	12.9	19.6	28.7	37.6	37.6	28.7	19.6	12.9	7.9	3.6	0.9	
-50	0.1	0.4	1.9	5.2	9.6	13.8	17.7	20.0	20.0	17.7	13.8	9.6	5.2	1.9	0.4	0.1
-60		0.2	0.7	2.1	4.6	8.0	11.4	13.4	13.4	11.4	8.0	4.6	2.1	0.7	0.2	
-70																
-80	0.1	0.5		1.7		4.5		6.4		4.5		1.7		0.5		0.1
-90																

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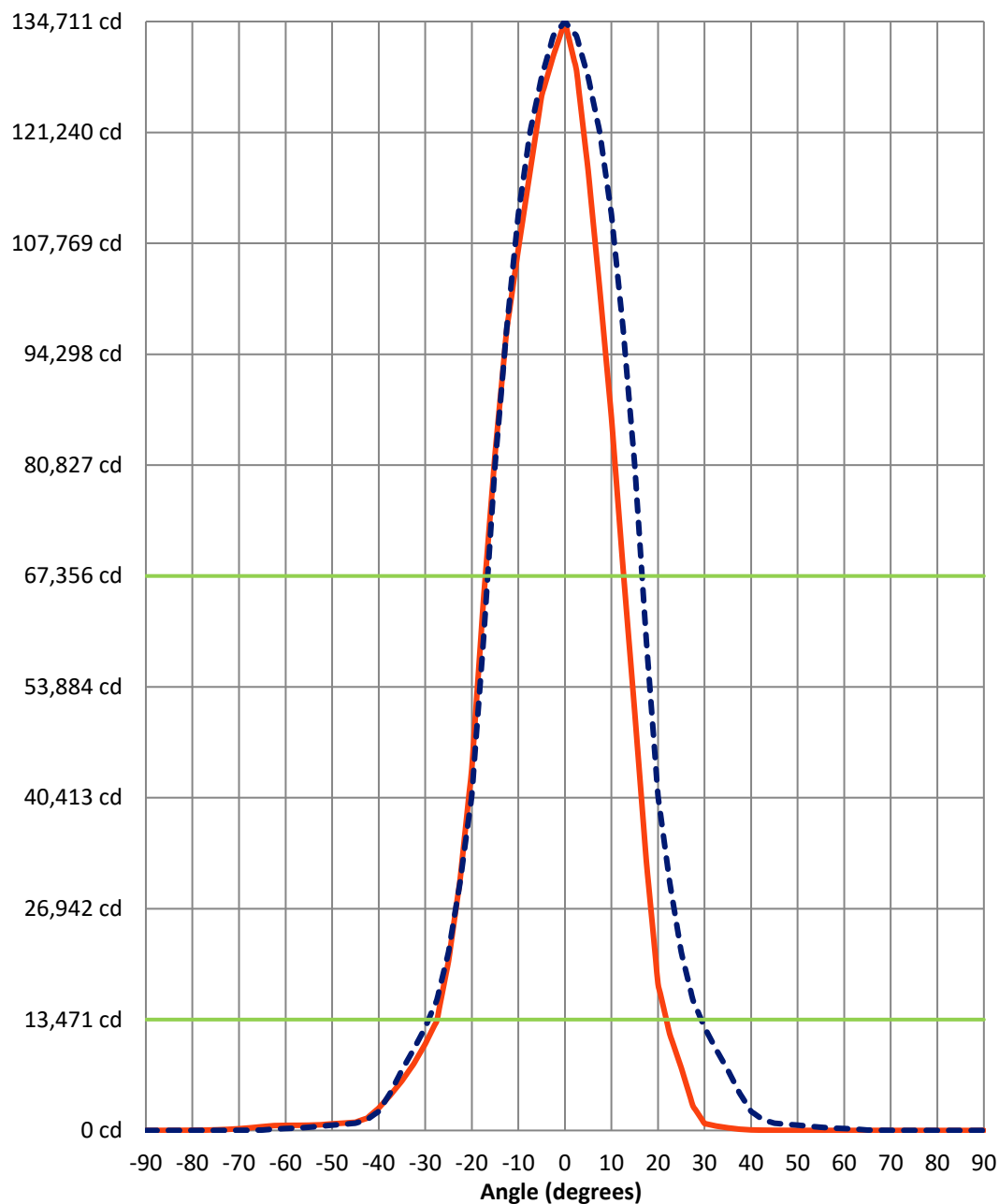
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:

H Angle: 33.2°

V Angle: 29.7°

Lumens: 23657.9

Efficiency: 54.9%

Field:

H Angle: 58.6°

V Angle: 49.3°

Lumens: 37905

Efficiency: 87.9%

Spill:

Lumens: 5208.6

Efficiency: 12.1%

— 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°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
87.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
85°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.0	5.0	5.0	4.8
77.5°	4.8	4.8	4.8	4.8	4.8	4.9	5.1	5.2	5.2	5.1	4.9
75°	4.8	4.8	4.8	4.8	4.8	5.1	5.4	5.5	5.4	5.2	4.9
72.5°	4.8	4.8	4.8	4.8	5.0	5.3	5.7	5.7	5.4	5.2	4.9
70°	4.8	4.8	4.8	4.8	5.2	5.6	5.9	5.7	5.5	5.2	5.3
67.5°	4.8	4.8	4.8	5.0	5.4	5.8	5.9	5.8	5.5	5.5	5.6
65°	4.8	4.8	4.8	5.1	5.6	5.9	5.9	5.8	5.7	5.7	5.9
62.5°	4.8	4.8	4.8	5.2	5.7	5.9	5.9	5.8	5.8	5.9	5.9
60°	4.8	4.8	4.8	5.3	5.9	5.9	5.9	5.9	5.9	5.9	5.9
57.5°	4.8	4.8	4.9	5.5	5.9	5.9	5.9	5.9	5.9	5.9	5.9
55°	4.8	4.8	5.0	5.6	5.9	5.9	5.9	5.9	5.9	5.9	5.9
52.5°	4.8	4.8	5.0	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9
50°	4.8	4.8	5.1	5.8	5.9	5.9	5.9	5.9	5.9	5.9	6.4
47.5°	4.8	4.8	5.2	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.0
45°	4.8	4.8	5.3	5.9	5.9	5.9	5.9	5.9	5.9	6.3	7.4
42.5°	4.8	4.8	5.3	5.9	5.9	5.9	5.9	5.9	6.0	6.6	7.7
40°	4.8	4.8	5.4	5.9	5.9	5.9	5.9	6.0	6.2	6.9	8.0
37.5°	4.8	4.8	5.4	5.9	5.9	5.9	5.9	6.2	6.6	7.3	8.2
35°	4.8	4.8	5.5	5.9	5.9	5.9	5.9	6.3	6.9	7.7	8.4
32.5°	4.8	4.8	5.6	5.9	5.9	5.9	5.9	6.5	7.2	8.0	9.0
30°	4.8	4.8	5.6	5.9	5.9	5.9	6.1	6.7	7.5	8.4	9.7
27.5°	4.8	4.8	5.7	5.9	5.9	5.9	6.2	6.9	7.8	8.7	10.7
25°	4.8	4.8	5.7	5.9	5.9	5.9	6.3	7.2	8.1	9.3	11.9
22.5°	4.8	4.8	5.7	5.9	5.9	5.9	6.5	7.4	8.4	10.2	14.3
20°	4.8	4.8	5.8	5.9	5.9	6.0	6.6	7.6	8.6	11.1	16.8
17.5°	4.8	4.8	5.8	5.9	5.9	6.1	6.8	7.8	8.9	12.0	19.4
15°	4.8	4.8	5.8	5.9	5.9	6.2	6.9	8.1	9.1	13.0	21.9
12.5°	4.8	4.8	5.8	5.9	5.9	6.4	7.0	8.3	9.8	14.0	24.4
10°	4.8	4.8	5.9	5.9	5.9	6.5	7.0	8.6	10.8	16.3	27.8
7.5°	4.8	4.8	5.9	5.9	5.9	6.7	7.1	8.8	12.0	18.9	33.5
5°	4.8	4.8	5.9	5.9	5.9	6.8	7.1	9.1	13.1	21.4	39.2
2.5°	4.8	4.8	5.9	5.9	5.9	7.0	7.1	9.3	14.3	23.8	44.7
0°	4.8	4.8	5.9	5.9	5.9	7.1	7.1	9.5	15.4	26.1	49.9
-2.5°	4.8	4.8	5.9	5.9	5.9	7.1	7.7	11.4	19.9	34.6	64.5
-5°	4.8	4.8	5.9	5.9	5.9	7.1	8.4	13.1	24.1	42.7	78.3
-7.5°	4.8	4.8	5.9	5.9	5.9	7.0	8.9	14.8	28.1	50.1	90.9
-10°	4.8	4.8	5.9	5.9	5.9	7.0	9.4	16.2	31.5	56.8	102.0
-12.5°	4.8	4.8	5.8	5.9	5.9	7.0	9.8	17.4	34.4	62.5	109.3
-15°	4.8	4.8	5.8	5.9	5.9	6.9	10.1	18.4	36.9	66.8	114.1
-17.5°	4.8	4.8	5.8	5.9	5.9	6.8	10.3	19.4	38.8	70.0	117.3
-20°	4.8	4.8	5.8	5.9	5.9	6.7	10.5	20.4	40.0	72.0	118.8

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CATALOG NUMBER: EPH-LS-08-0320N-57-70-4S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.8	4.8	5.7	5.9	5.9	6.6	10.9	21.0	40.2	72.7	118.5
-25°	4.8	4.8	5.7	5.9	5.9	6.7	11.1	21.2	39.5	71.9	116.4
-27.5°	4.8	4.8	5.7	5.9	5.9	6.8	11.0	21.1	37.8	70.2	115.2
-30°	4.8	4.8	5.6	5.9	5.9	6.9	10.7	20.4	36.7	68.2	112.2
-32.5°	4.8	4.8	5.6	5.9	6.0	6.8	10.1	20.0	36.0	64.8	107.1
-35°	4.8	4.8	5.5	5.9	6.0	6.7	9.8	19.2	34.6	59.9	100.1
-37.5°	4.8	4.8	5.4	5.9	6.1	6.5	9.7	18.1	32.5	53.5	89.1
-40°	4.8	4.8	5.4	5.9	6.1	6.6	9.4	16.5	29.9	49.3	78.5
-42.5°	4.8	4.8	5.3	5.9	6.1	6.6	8.9	14.6	27.3	44.7	67.2
-45°	4.8	4.8	5.3	5.9	6.2	6.6	8.3	12.9	24.5	39.4	56.3
-47.5°	4.8	4.8	5.2	6.0	6.2	6.6	7.5	12.0	21.2	33.9	50.1
-50°	4.8	4.8	5.1	5.9	6.2	6.6	7.3	10.8	17.0	29.1	43.4
-52.5°	4.8	4.8	5.0	5.8	6.3	6.5	7.3	9.5	14.5	24.0	36.4
-55°	4.8	4.8	5.0	5.7	6.3	6.5	7.2	8.1	12.5	18.5	30.1
-57.5°	4.8	4.8	4.9	5.6	6.3	6.6	7.0	7.9	10.4	15.3	23.4
-60°	4.8	4.8	4.8	5.5	6.3	6.6	6.9	7.7	8.5	12.5	17.6
-62.5°	4.8	4.8	4.8	5.4	6.2	6.6	6.9	7.4	8.2	9.6	14.1
-65°	4.8	4.8	4.8	5.3	6.0	6.7	6.9	7.2	7.9	8.6	10.4
-67.5°	4.8	4.8	4.8	5.2	5.9	6.6	7.0	7.2	7.5	8.3	9.0
-70°	4.8	4.8	4.8	5.1	5.7	6.4	7.0	7.2	7.4	7.9	8.5
-72.5°	4.8	4.8	4.8	5.0	5.5	6.1	6.8	7.1	7.3	7.6	8.1
-75°	4.8	4.8	4.8	5.0	5.3	5.9	6.5	6.8	7.1	7.3	7.7
-77.5°	4.8	4.8	4.8	5.0	5.3	5.7	6.2	6.5	6.7	7.0	7.2
-80°	4.8	4.8	4.8	4.9	5.2	5.5	5.9	6.1	6.3	6.5	6.7
-82.5°	4.8	4.8	4.8	4.9	5.1	5.3	5.6	5.8	5.9	6.1	6.2
-85°	4.8	4.8	4.8	4.9	5.0	5.2	5.4	5.5	5.6	5.6	5.7
-87.5°	4.8	4.8	4.8	4.8	4.9	5.0	5.1	5.1	5.2	5.2	5.3
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8

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CATALOG NUMBER: EPH-LS-08-0320N-57-70-4S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.5	4.2	3.9
87.5°	4.5	4.2	3.9	3.6	3.6	3.6	3.6	3.6	3.3	3.0	2.7
85°	4.5	4.2	4.0	3.8	3.8	3.8	3.7	3.6	3.4	3.3	3.2
82.5°	4.6	4.5	4.5	4.5	4.4	4.2	3.9	3.6	3.6	3.6	3.6
80°	4.8	4.8	4.8	4.8	4.6	4.3	4.0	3.7	3.6	3.6	3.7
77.5°	4.8	4.8	4.8	4.8	4.6	4.4	4.3	4.3	4.3	4.2	4.0
75°	4.8	4.8	4.9	4.8	4.7	4.7	4.8	4.8	4.6	4.3	4.0
72.5°	5.0	5.1	5.1	4.9	4.8	4.8	4.8	4.8	4.9	5.0	4.9
70°	5.4	5.5	5.3	5.0	4.8	5.0	5.6	6.2	6.6	6.6	6.8
67.5°	5.8	5.6	5.3	5.2	5.7	6.4	7.1	8.0	9.0	9.4	9.9
65°	5.9	5.6	5.6	6.1	7.0	7.9	9.0	10.2	12.8	14.4	15.1
62.5°	5.9	5.8	6.2	7.1	8.3	9.5	11.3	14.2	18.0	20.7	20.9
60°	5.9	6.0	6.9	8.2	9.5	11.1	13.9	18.3	24.1	28.5	26.0
57.5°	5.9	6.6	8.0	9.3	10.6	12.4	16.6	22.3	28.2	34.5	29.5
55°	6.2	7.5	8.9	10.1	11.7	14.0	18.4	23.7	30.3	32.1	26.4
52.5°	7.0	8.4	9.4	10.8	12.9	15.1	18.1	22.8	24.9	25.4	21.9
50°	7.7	8.8	9.9	11.5	13.6	15.5	16.4	19.2	20.0	19.0	17.1
47.5°	8.1	9.1	10.2	12.0	14.1	15.7	15.7	15.9	15.6	15.3	12.6
45°	8.5	9.5	10.5	12.6	14.8	16.2	15.4	13.3	15.1	14.5	13.9
42.5°	8.8	9.8	11.6	13.2	16.1	17.0	15.8	16.3	16.8	17.6	17.8
40°	9.1	10.2	13.0	16.2	17.8	18.3	20.2	21.7	21.1	23.1	24.2
37.5°	9.3	11.8	15.7	21.6	19.8	22.4	26.1	32.0	32.2	30.3	34.9
35°	9.6	13.6	22.4	28.8	27.2	28.8	38.6	46.4	48.7	46.1	49.0
32.5°	10.7	15.7	30.8	37.4	41.2	43.2	54.3	66.0	74.8	76.5	69.3
30°	12.9	23.3	40.4	47.9	58.9	69.6	77.3	91.4	109.6	123.7	129.6
27.5°	15.7	32.6	50.4	63.9	80.7	99.0	112.3	129.9	159.5	184.9	205.8
25°	18.8	45.3	61.6	83.6	108.6	132.1	152.7	182.1	221.3	263.4	336.6
22.5°	25.6	59.7	78.5	105.2	138.2	167.8	201.9	243.9	294.0	351.8	487.6
20°	36.6	74.0	98.8	129.4	170.2	205.1	253.3	306.9	375.2	498.5	729.1
17.5°	48.4	89.3	119.7	158.0	208.6	252.8	306.8	369.4	459.9	657.2	1111.3
15°	60.6	105.3	139.5	188.3	250.6	313.6	378.9	447.0	576.6	881.8	1598.0
12.5°	73.0	121.8	158.4	219.7	295.1	377.2	455.0	541.7	729.1	1267.7	2319.0
10°	85.2	138.5	176.2	251.3	341.0	442.1	530.4	632.6	887.5	1617.3	2963.7
7.5°	105.2	160.1	195.3	282.5	387.2	507.1	604.5	719.2	1042.4	1922.0	3557.6
5°	126.4	186.7	225.6	320.6	432.8	564.9	671.5	800.8	1188.9	2178.4	4114.6
2.5°	146.6	212.2	255.3	357.2	475.5	609.9	714.0	846.5	1267.3	2298.2	4458.7
0°	165.1	236.4	283.9	390.8	514.4	649.8	752.0	886.2	1315.1	2321.3	4569.0
-2.5°	187.5	262.9	313.5	417.5	535.7	673.2	776.1	916.4	1364.6	2451.1	4588.9
-5°	206.8	287.4	341.7	441.3	553.5	691.5	796.2	940.0	1387.7	2510.2	4492.4
-7.5°	222.3	309.9	368.4	460.2	562.8	695.2	803.6	943.9	1371.5	2479.8	4295.0
-10°	231.7	319.3	374.8	459.9	559.8	687.5	803.7	940.5	1325.2	2353.6	4017.8
-12.5°	224.9	316.8	376.0	456.4	554.1	674.5	798.0	929.7	1246.3	2120.5	3693.3
-15°	216.5	312.5	375.2	449.7	545.9	656.2	786.1	911.3	1123.3	1759.1	3292.7
-17.5°	206.9	306.7	372.4	439.8	535.5	632.7	762.0	863.5	996.1	1498.8	2830.7
-20°	196.4	299.4	367.3	426.7	522.8	598.8	705.2	809.7	930.7	1274.5	2209.4

REPORT NUMBER: P731415 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	185.5	290.6	359.0	418.1	490.4	559.8	645.4	747.9	858.7	995.9	1548.5
-25°	179.1	274.2	346.9	398.4	455.4	520.0	584.0	678.6	783.6	894.1	1184.9
-27.5°	175.8	258.3	327.2	378.6	421.6	480.2	534.6	610.1	707.4	801.9	894.1
-30°	170.1	235.9	307.1	358.1	397.1	443.3	490.2	551.4	637.8	720.7	797.1
-32.5°	157.8	213.0	282.4	335.3	375.5	409.1	455.4	510.1	576.6	648.6	710.1
-35°	142.7	195.0	255.8	312.5	354.1	386.0	427.7	473.6	522.5	584.9	658.4
-37.5°	128.8	175.4	229.3	287.0	329.6	368.3	400.4	441.7	483.9	530.2	603.7
-40°	113.7	154.3	205.3	258.4	307.7	347.8	381.2	412.1	448.9	495.1	544.3
-42.5°	98.1	136.6	180.7	230.3	279.8	323.1	360.9	389.5	420.9	460.7	504.5
-45°	85.1	117.9	155.6	202.5	249.2	294.8	333.3	369.4	399.5	428.8	466.6
-47.5°	71.6	99.4	134.2	174.2	218.5	261.3	303.1	342.8	381.2	408.6	431.7
-50°	59.3	84.2	112.5	149.2	187.9	228.0	267.1	313.6	354.2	388.8	415.7
-52.5°	51.4	68.4	94.4	124.6	159.4	195.4	234.0	276.8	320.9	361.9	393.4
-55°	43.1	57.7	76.1	102.2	131.7	164.4	200.5	239.8	279.8	321.1	361.4
-57.5°	35.1	48.1	62.1	80.3	105.8	133.8	166.9	201.8	238.6	276.1	313.4
-60°	27.0	38.4	51.0	64.3	79.9	105.1	132.5	163.1	195.9	229.5	263.2
-62.5°	19.3	28.7	39.7	51.7	64.1	77.8	99.9	125.4	151.8	179.8	209.0
-65°	15.0	19.9	28.1	38.6	49.9	61.9	75.0	89.4	111.4	133.0	153.6
-67.5°	10.5	15.0	19.5	24.9	34.6	44.8	55.9	67.8	80.6	93.2	108.0
-70°	9.4	10.6	14.1	18.1	21.9	26.9	35.9	45.6	55.5	65.0	75.6
-72.5°	8.8	9.7	11.0	12.6	15.7	18.8	21.9	24.8	30.7	38.5	46.3
-75°	8.1	8.8	9.6	10.8	12.0	13.3	14.9	17.5	19.9	22.3	24.7
-77.5°	7.5	7.9	8.5	9.1	9.8	10.8	11.9	13.0	14.0	15.0	16.0
-80°	6.9	7.1	7.4	7.8	8.2	8.8	9.4	10.0	10.5	11.0	11.6
-82.5°	6.4	6.5	6.6	6.8	6.8	7.0	7.2	7.5	7.9	8.2	8.5
-85°	5.8	5.9	6.0	6.1	6.0	5.9	5.8	5.8	5.9	6.0	6.1
-87.5°	5.3	5.3	5.4	5.4	5.3	5.2	5.0	4.8	4.7	4.7	4.6
-90°	4.5	4.2	3.9	3.6	3.6	3.6	3.6	3.6	3.3	3.0	2.7

REPORT NUMBER: P731415 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	3.6	3.6	3.6	3.6	3.6	4.2	4.8	5.3	5.9	6.5	7.1
87.5°	2.4	2.4	2.4	2.4	2.4	2.1	1.8	1.5	1.2	1.2	1.2
85°	3.2	3.0	2.8	2.6	2.4	2.4	2.3	2.3	2.3	2.1	1.8
82.5°	3.6	3.3	3.0	2.7	2.4	2.4	2.4	2.4	2.4	2.1	1.8
80°	3.6	3.3	3.0	2.7	2.4	2.4	2.4	2.4	2.4	2.1	1.8
77.5°	3.7	3.4	3.2	3.1	3.1	3.0	2.9	2.7	2.4	2.1	1.8
75°	3.7	3.6	3.7	3.7	3.6	3.4	3.1	2.8	2.5	2.4	2.3
72.5°	4.7	4.5	4.5	4.5	4.5	4.4	4.2	3.8	3.4	3.4	3.5
70°	7.0	7.1	7.1	7.0	6.6	6.1	5.6	5.2	4.7	4.6	4.6
67.5°	10.5	10.7	10.3	9.6	8.3	7.2	6.8	6.3	5.8	5.7	5.7
65°	15.2	14.0	12.8	11.4	9.9	8.2	7.7	7.3	6.9	6.9	7.3
62.5°	19.5	15.9	12.8	10.9	9.4	8.2	7.6	7.1	6.6	6.4	6.6
60°	21.5	15.3	11.1	9.8	8.6	7.3	6.6	6.0	5.5	5.2	5.4
57.5°	21.6	15.0	10.3	8.7	7.4	6.3	5.7	5.4	5.1	4.8	5.2
55°	19.2	13.3	8.7	7.5	6.7	6.2	5.8	5.8	5.7	5.5	5.7
52.5°	15.4	11.1	8.1	7.0	7.0	7.0	7.0	7.0	7.1	7.3	7.7
50°	12.3	9.5	8.6	8.1	8.4	8.4	8.2	8.7	9.3	9.7	10.0
47.5°	11.3	10.3	10.4	10.2	10.6	11.4	11.6	11.9	12.9	13.4	13.8
45°	12.5	13.4	14.0	14.9	15.5	16.9	17.4	17.4	19.3	20.6	21.4
42.5°	17.5	19.0	20.8	22.7	23.6	25.4	27.2	28.2	31.1	33.5	34.4
40°	26.4	27.3	31.2	33.6	35.4	37.6	43.1	46.7	52.4	63.1	70.9
37.5°	38.8	41.7	44.0	47.4	54.9	58.6	76.2	92.1	103.1	129.6	144.6
35°	56.9	64.7	62.0	77.2	96.0	119.6	145.3	183.6	213.9	249.9	283.0
32.5°	89.2	108.2	126.7	144.4	186.6	254.4	256.2	327.9	375.9	434.1	485.3
30°	141.1	208.6	293.5	321.6	440.6	573.5	536.6	646.6	755.6	820.4	1044.1
27.5°	278.4	430.5	599.1	813.5	1035.2	1263.9	1415.3	1468.3	2019.6	2424.9	2952.5
25°	476.3	743.1	1214.4	1561.5	1950.9	2458.7	2752.0	3146.9	4066.4	5212.2	6102.3
22.5°	759.1	1225.3	1847.9	2373.2	2956.8	3641.1	4260.1	5206.8	6636.6	8200.7	9531.3
20°	1076.0	1677.0	2465.9	3253.0	4018.0	4909.8	5986.7	7919.8	10129.2	12580.9	14797.5
17.5°	1660.6	2251.6	3261.9	4337.9	5424.8	6499.0	8867.2	11730.1	15188.7	18821.6	22048.4
15°	2496.1	3452.7	4454.8	5877.5	7686.6	9750.9	12750.1	17771.5	23143.1	28812.8	35572.1
12.5°	3586.3	4973.2	6476.4	8123.7	10576.5	14345.0	19320.1	25449.3	33137.9	41644.0	51262.1
10°	4699.0	6699.1	8769.2	11121.8	14354.7	19208.6	25633.6	33308.1	45399.6	57317.4	67355.6
7.5°	5603.6	7934.6	10546.4	13671.5	17885.2	23799.6	31739.4	42830.8	57250.6	71430.7	82660.5
5°	6452.4	9012.9	11731.9	14924.9	20005.0	27137.1	36699.0	50537.0	67787.9	82868.7	94902.1
2.5°	7068.0	9757.8	12570.6	15819.6	21611.2	29165.9	39663.8	56828.9	76684.7	92135.9	105933.4
0°	7340.5	9829.4	12520.1	15853.6	21664.0	30200.9	40691.9	59485.8	80802.9	97413.9	111273.5
-2.5°	7002.7	9418.9	12195.6	15452.2	21276.7	29477.5	40314.4	59186.6	80577.1	97423.1	111087.5
-5°	6645.2	8935.8	11513.5	14523.7	19834.8	27460.1	38516.8	56548.4	77074.9	94011.1	107340.5
-7.5°	6264.1	8360.6	10666.7	13367.4	18079.3	25417.1	35683.9	50902.6	70089.3	87333.3	99869.6
-10°	5828.4	7736.9	10162.0	13024.5	17126.4	23504.9	31995.4	44187.6	62158.4	78179.9	91944.0
-12.5°	5572.5	7608.3	10031.6	12660.8	15969.6	21590.8	29316.1	39716.1	52017.7	66899.9	79147.2
-15°	5243.8	7304.4	9707.7	12174.4	15237.1	19625.9	25725.4	33364.3	42724.7	52753.5	63624.2
-17.5°	4703.2	6762.6	8698.0	11013.1	13922.1	17389.5	21772.8	27701.1	33911.7	41017.6	47521.4
-20°	3813.0	5476.5	7306.8	9488.1	11988.8	14616.5	17543.6	21582.9	25522.6	30497.3	34491.1

REPORT NUMBER: P731415 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2743.3	4149.4	5735.2	7537.9	9518.2	11767.8	13972.9	16104.5	18804.5	21953.5	25162.3
-25°	1786.6	2826.9	4200.1	5677.6	7060.6	8858.4	10442.6	11715.7	13536.4	14961.3	16905.9
-27.5°	1237.2	1913.3	2936.2	4113.5	5204.4	6355.1	7644.8	8513.9	9932.2	10703.0	11895.1
-30°	905.3	1284.8	2020.4	2900.9	3851.3	4830.8	5751.5	6707.1	7693.7	8566.2	9227.7
-32.5°	802.8	951.8	1314.6	1948.3	2692.0	3513.3	4293.0	5126.1	5912.1	6588.4	7134.1
-35°	733.2	816.8	930.7	1265.9	1709.7	2350.9	2964.2	3638.6	4269.9	4792.7	5230.8
-37.5°	678.0	745.0	816.8	890.3	1139.5	1420.1	1856.1	2324.7	2729.8	3192.7	3550.2
-40°	615.5	687.0	744.4	803.2	869.2	939.7	1175.6	1385.5	1614.4	1926.8	2182.1
-42.5°	551.0	613.2	677.9	732.5	782.4	835.0	888.0	935.0	1051.3	1189.0	1293.6
-45°	506.3	550.3	597.7	655.6	709.3	754.9	797.8	838.9	881.1	920.0	952.4
-47.5°	466.9	502.5	541.6	581.3	621.7	668.6	712.6	754.4	790.9	824.2	850.9
-50°	438.2	462.8	495.3	526.7	561.2	593.9	623.1	657.3	694.8	728.9	756.1
-52.5°	423.7	445.2	463.8	486.3	517.5	544.9	568.9	596.0	622.1	645.9	663.4
-55°	395.1	423.2	450.5	475.8	497.3	516.9	537.7	564.3	587.2	606.8	617.7
-57.5°	350.3	386.5	420.7	452.8	483.1	511.5	535.1	556.2	577.4	597.5	606.8
-60°	297.4	331.9	367.7	406.4	445.4	484.2	512.8	540.0	565.7	587.3	598.7
-62.5°	240.5	272.0	304.0	338.8	375.9	412.2	443.4	475.9	509.2	537.9	556.3
-65°	175.9	202.7	231.4	259.9	288.1	317.1	344.9	372.3	398.9	420.4	435.4
-67.5°	126.0	143.4	161.1	179.4	201.2	223.6	244.2	264.1	283.1	298.4	309.6
-70°	86.6	97.8	108.3	119.9	133.9	147.5	160.2	172.2	183.5	193.1	201.1
-72.5°	53.9	61.2	68.5	76.6	84.6	92.2	99.4	106.1	112.3	118.0	123.1
-75°	27.1	30.5	36.2	41.7	46.9	52.2	57.2	61.5	65.3	68.5	71.1
-77.5°	17.5	19.7	21.8	23.8	25.7	28.2	30.9	33.7	36.5	38.7	40.8
-80°	12.3	13.5	14.8	16.1	17.4	19.0	20.6	22.1	23.7	24.7	25.6
-82.5°	8.7	9.4	10.2	10.9	11.7	12.8	13.9	15.0	16.1	16.8	17.6
-85°	6.3	6.6	6.9	7.3	7.6	8.6	9.6	10.6	11.6	12.3	13.0
-87.5°	4.6	4.6	4.6	4.7	4.7	5.6	6.4	7.3	8.2	8.5	8.9
-90°	2.4	2.4	2.4	2.4	2.4	2.1	1.8	1.5	1.2	1.2	1.2



REPORT NUMBER: P731415 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	7.7	8.3	8.3	8.3	8.3	8.3	7.7	7.1	6.5	5.9	5.3
87.5°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.5
85°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.3	2.3
82.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4
80°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.4
77.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.1	2.4	2.7
75°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.5	2.8
72.5°	3.5	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.8
70°	4.7	4.8	4.2	3.6	4.2	4.8	4.7	4.6	4.6	4.7	5.2
67.5°	5.8	5.9	6.4	7.1	6.4	5.9	5.8	5.7	5.7	5.8	6.3
65°	7.7	8.1	7.7	7.1	7.7	8.1	7.7	7.3	6.9	6.9	7.3
62.5°	6.8	7.1	6.6	5.9	6.6	7.1	6.8	6.6	6.4	6.6	7.1
60°	5.6	5.9	5.9	5.9	5.9	5.9	5.6	5.4	5.2	5.5	6.0
57.5°	5.5	5.8	5.9	5.9	5.9	5.8	5.5	5.2	4.8	5.1	5.4
55°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.7	5.5	5.7	5.8
52.5°	7.9	8.1	8.3	8.3	8.3	8.1	7.9	7.7	7.3	7.1	7.0
50°	10.3	10.5	10.7	10.7	10.7	10.5	10.3	10.0	9.7	9.3	8.7
47.5°	14.1	14.2	14.2	14.3	14.2	14.2	14.1	13.8	13.4	12.9	11.9
45°	21.7	21.5	21.2	21.4	21.2	21.5	21.7	21.4	20.6	19.3	17.4
42.5°	35.3	35.4	35.3	35.6	35.3	35.4	35.3	34.4	33.5	31.1	28.2
40°	73.0	70.4	66.6	66.5	66.6	70.4	73.0	70.9	63.1	52.4	46.7
37.5°	152.0	154.6	154.3	156.8	154.3	154.6	152.0	144.6	129.6	103.1	92.1
35°	308.2	322.0	325.1	324.3	325.1	322.0	308.2	283.0	249.9	213.9	183.6
32.5°	507.6	526.0	531.1	538.2	531.1	526.0	507.6	485.3	434.1	375.9	327.9
30°	892.4	917.1	893.6	845.8	893.6	917.1	892.4	1044.1	820.4	755.6	646.6
27.5°	3233.5	3352.1	3085.2	2987.8	3085.2	3352.1	3233.5	2952.5	2424.9	2019.6	1468.3
25°	6589.8	7114.3	7652.0	7604.3	7652.0	7114.3	6589.8	6102.3	5212.2	4066.4	3146.9
22.5°	10635.2	11166.6	11609.6	11762.2	11609.6	11166.6	10635.2	9531.3	8200.7	6636.6	5206.8
20°	16845.2	17880.3	18621.5	17831.6	18621.5	17880.3	16845.2	14797.5	12580.9	10129.2	7919.8
17.5°	26926.0	30043.1	31662.4	32684.9	31662.4	30043.1	26926.0	22048.4	18821.6	15188.7	11730.1
15°	41798.0	46498.9	49103.2	50827.8	49103.2	46498.9	41798.0	35572.1	28812.8	23143.1	17771.5
12.5°	58949.1	64074.5	66376.2	68254.9	66376.2	64074.5	58949.1	51262.1	41644.0	33137.9	25449.3
10°	75253.5	80790.7	84624.4	86616.9	84624.4	80790.7	75253.5	67355.6	57317.4	45399.6	33308.1
7.5°	90192.3	96965.9	100856.2	102094.5	100856.2	96965.9	90192.3	82660.5	71430.7	57250.6	42830.8
5°	104804.4	110847.9	115526.5	116587.3	115526.5	110847.9	104804.4	94902.1	82868.7	67787.9	50537.0
2.5°	116055.1	123298.1	127498.5	128768.3	127498.5	123298.1	116055.1	105933.4	92135.9	76684.7	56828.9
0°	121210.9	127953.9	132927.4	134711.2	132927.4	127953.9	121210.9	111273.5	97413.9	80802.9	59485.8
-2.5°	120132.5	126346.6	129906.6	130520.0	129906.6	126346.6	120132.5	111087.5	97423.1	80577.1	59186.6
-5°	116339.7	122049.1	125565.3	125665.9	125565.3	122049.1	116339.7	107340.5	94011.1	77074.9	56548.4
-7.5°	108008.5	113347.5	115798.8	116414.5	115798.8	113347.5	108008.5	99869.6	87333.3	70089.3	50902.6
-10°	99529.0	104482.2	106798.6	107055.0	106798.6	104482.2	99529.0	91944.0	78179.9	62158.4	44187.6
-12.5°	88545.3	93845.3	96158.1	97245.8	96158.1	93845.3	88545.3	79147.2	66899.9	52017.7	39716.1
-15°	72200.3	77325.3	80100.0	82148.9	80100.0	77325.3	72200.3	63624.2	52753.5	42724.7	33364.3
-17.5°	54686.7	59079.5	61814.0	64303.1	61814.0	59079.5	54686.7	47521.4	41017.6	33911.7	27701.1
-20°	38934.6	41732.1	42591.4	43932.7	42591.4	41732.1	38934.6	34491.1	30497.3	25522.6	21582.9

REPORT NUMBER: P731415 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	27345.7	28936.4	29943.9	30513.3	29943.9	28936.4	27345.7	25162.3	21953.5	18804.5	16104.5
-25°	18538.5	19641.6	20070.7	20565.1	20070.7	19641.6	18538.5	16905.9	14961.3	13536.4	11715.7
-27.5°	12417.9	12870.8	13180.2	13348.2	13180.2	12870.8	12417.9	11895.1	10703.0	9932.2	8513.9
-30°	9760.3	10174.5	10422.9	10501.8	10422.9	10174.5	9760.3	9227.7	8566.2	7693.7	6707.1
-32.5°	7556.6	7869.8	8037.1	8059.3	8037.1	7869.8	7556.6	7134.1	6588.4	5912.1	5126.1
-35°	5598.1	5883.3	6041.2	6030.2	6041.2	5883.3	5598.1	5230.8	4792.7	4269.9	3638.6
-37.5°	3857.6	4099.4	4247.7	4286.2	4247.7	4099.4	3857.6	3550.2	3192.7	2729.8	2324.7
-40°	2413.3	2590.8	2696.8	2711.0	2696.8	2590.8	2413.3	2182.1	1926.8	1614.4	1385.5
-42.5°	1385.3	1457.3	1497.7	1495.7	1497.7	1457.3	1385.3	1293.6	1189.0	1051.3	935.0
-45°	973.6	989.7	998.8	1000.3	998.8	989.7	973.6	952.4	920.0	881.1	838.9
-47.5°	870.2	885.4	893.6	894.6	893.6	885.4	870.2	850.9	824.2	790.9	754.4
-50°	777.8	795.9	805.7	807.8	805.7	795.9	777.8	756.1	728.9	694.8	657.3
-52.5°	677.6	689.6	693.5	691.4	693.5	689.6	677.6	663.4	645.9	622.1	596.0
-55°	627.8	637.5	641.7	642.7	641.7	637.5	627.8	617.7	606.8	587.2	564.3
-57.5°	615.8	624.5	627.2	627.3	627.2	624.5	615.8	606.8	597.5	577.4	556.2
-60°	610.0	620.9	623.0	621.3	623.0	620.9	610.0	598.7	587.3	565.7	540.0
-62.5°	572.6	586.6	591.0	590.4	591.0	586.6	572.6	556.3	537.9	509.2	475.9
-65°	448.1	458.4	463.7	465.7	463.7	458.4	448.1	435.4	420.4	398.9	372.3
-67.5°	318.8	325.9	328.2	327.9	328.2	325.9	318.8	309.6	298.4	283.1	264.1
-70°	207.8	213.3	213.9	212.6	213.9	213.3	207.8	201.1	193.1	183.5	172.2
-72.5°	127.6	131.4	131.0	129.5	131.0	131.4	127.6	123.1	118.0	112.3	106.1
-75°	73.4	75.2	74.7	73.7	74.7	75.2	73.4	71.1	68.5	65.3	61.5
-77.5°	42.8	44.7	45.0	45.1	45.0	44.7	42.8	40.8	38.7	36.5	33.7
-80°	26.4	27.2	27.3	27.3	27.3	27.2	26.4	25.6	24.7	23.7	22.1
-82.5°	18.3	18.9	19.0	19.0	19.0	18.9	18.3	17.6	16.8	16.1	15.0
-85°	13.6	14.3	14.3	14.3	14.3	14.3	13.6	13.0	12.3	11.6	10.6
-87.5°	9.2	9.5	9.5	9.5	9.5	9.5	9.2	8.9	8.5	8.2	7.3
-90°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.5

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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	4.8	4.2	3.6	3.6	3.6	3.6	3.6	3.9	4.2	4.5	4.8
87.5°	1.8	2.1	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.3	3.6
85°	2.3	2.4	2.4	2.6	2.8	3.0	3.2	3.2	3.3	3.4	3.6
82.5°	2.4	2.4	2.4	2.7	3.0	3.3	3.6	3.6	3.6	3.6	3.6
80°	2.4	2.4	2.4	2.7	3.0	3.3	3.6	3.7	3.6	3.6	3.7
77.5°	2.9	3.0	3.1	3.1	3.2	3.4	3.7	4.0	4.2	4.3	4.3
75°	3.1	3.4	3.6	3.7	3.7	3.6	3.7	4.0	4.3	4.6	4.8
72.5°	4.2	4.4	4.5	4.5	4.5	4.5	4.7	4.9	5.0	4.9	4.8
70°	5.6	6.1	6.6	7.0	7.1	7.1	7.0	6.8	6.6	6.6	6.2
67.5°	6.8	7.2	8.3	9.6	10.3	10.7	10.5	9.9	9.4	9.0	8.0
65°	7.7	8.2	9.9	11.4	12.8	14.0	15.2	15.1	14.4	12.8	10.2
62.5°	7.6	8.2	9.4	10.9	12.8	15.9	19.5	20.9	20.7	18.0	14.2
60°	6.6	7.3	8.6	9.8	11.1	15.3	21.5	26.0	28.5	24.1	18.3
57.5°	5.7	6.3	7.4	8.7	10.3	15.0	21.6	29.5	34.5	28.2	22.3
55°	5.8	6.2	6.7	7.5	8.7	13.3	19.2	26.4	32.1	30.3	23.7
52.5°	7.0	7.0	7.0	7.0	8.1	11.1	15.4	21.9	25.4	24.9	22.8
50°	8.2	8.4	8.4	8.1	8.6	9.5	12.3	17.1	19.0	20.0	19.2
47.5°	11.6	11.4	10.6	10.2	10.4	10.3	11.3	12.6	15.3	15.6	15.9
45°	17.4	16.9	15.5	14.9	14.0	13.4	12.5	13.9	14.5	15.1	13.3
42.5°	27.2	25.4	23.6	22.7	20.8	19.0	17.5	17.8	17.6	16.8	16.3
40°	43.1	37.6	35.4	33.6	31.2	27.3	26.4	24.2	23.1	21.1	21.7
37.5°	76.2	58.6	54.9	47.4	44.0	41.7	38.8	34.9	30.3	32.2	32.0
35°	145.3	119.6	96.0	77.2	62.0	64.7	56.9	49.0	46.1	48.7	46.4
32.5°	256.2	254.4	186.6	144.4	126.7	108.2	89.2	69.3	76.5	74.8	66.0
30°	536.6	573.5	440.6	321.6	293.5	208.6	141.1	129.6	123.7	109.6	91.4
27.5°	1415.3	1263.9	1035.2	813.5	599.1	430.5	278.4	205.8	184.9	159.5	129.9
25°	2752.0	2458.7	1950.9	1561.5	1214.4	743.1	476.3	336.6	263.4	221.3	182.1
22.5°	4260.1	3641.1	2956.8	2373.2	1847.9	1225.3	759.1	487.6	351.8	294.0	243.9
20°	5986.7	4909.8	4018.0	3253.0	2465.9	1677.0	1076.0	729.1	498.5	375.2	306.9
17.5°	8867.2	6499.0	5424.8	4337.9	3261.9	2251.6	1660.6	1111.3	657.2	459.9	369.4
15°	12750.1	9750.9	7686.6	5877.5	4454.8	3452.7	2496.1	1598.0	881.8	576.6	447.0
12.5°	19320.1	14345.0	10576.5	8123.7	6476.4	4973.2	3586.3	2319.0	1267.7	729.1	541.7
10°	25633.6	19208.6	14354.7	11121.8	8769.2	6699.1	4699.0	2963.7	1617.3	887.5	632.6
7.5°	31739.4	23799.6	17885.2	13671.5	10546.4	7934.6	5603.6	3557.6	1922.0	1042.4	719.2
5°	36699.0	27137.1	20005.0	14924.9	11731.9	9012.9	6452.4	4114.6	2178.4	1188.9	800.8
2.5°	39663.8	29165.9	21611.2	15819.6	12570.6	9757.8	7068.0	4458.7	2298.2	1267.3	846.5
0°	40691.9	30200.9	21664.0	15853.6	12520.1	9829.4	7340.5	4569.0	2321.3	1315.1	886.2
-2.5°	40314.4	29477.5	21276.7	15452.2	12195.6	9418.9	7002.7	4588.9	2451.1	1364.6	916.4
-5°	38516.8	27460.1	19834.8	14523.7	11513.5	8935.8	6645.2	4492.4	2510.2	1387.7	940.0
-7.5°	35683.9	25417.1	18079.3	13367.4	10666.7	8360.6	6264.1	4295.0	2479.8	1371.5	943.9
-10°	31995.4	23504.9	17126.4	13024.5	10162.0	7736.9	5828.4	4017.8	2353.6	1325.2	940.5
-12.5°	29316.1	21590.8	15969.6	12660.8	10031.6	7608.3	5572.5	3693.3	2120.5	1246.3	929.7
-15°	25725.4	19625.9	15237.1	12174.4	9707.7	7304.4	5243.8	3292.7	1759.1	1123.3	911.3
-17.5°	21772.8	17389.5	13922.1	11013.1	8698.0	6762.6	4703.2	2830.7	1498.8	996.1	863.5
-20°	17543.6	14616.5	11988.8	9488.1	7306.8	5476.5	3813.0	2209.4	1274.5	930.7	809.7

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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13972.9	11767.8	9518.2	7537.9	5735.2	4149.4	2743.3	1548.5	995.9	858.7	747.9
-25°	10442.6	8858.4	7060.6	5677.6	4200.1	2826.9	1786.6	1184.9	894.1	783.6	678.6
-27.5°	7644.8	6355.1	5204.4	4113.5	2936.2	1913.3	1237.2	894.1	801.9	707.4	610.1
-30°	5751.5	4830.8	3851.3	2900.9	2020.4	1284.8	905.3	797.1	720.7	637.8	551.4
-32.5°	4293.0	3513.3	2692.0	1948.3	1314.6	951.8	802.8	710.1	648.6	576.6	510.1
-35°	2964.2	2350.9	1709.7	1265.9	930.7	816.8	733.2	658.4	584.9	522.5	473.6
-37.5°	1856.1	1420.1	1139.5	890.3	816.8	745.0	678.0	603.7	530.2	483.9	441.7
-40°	1175.6	939.7	869.2	803.2	744.4	687.0	615.5	544.3	495.1	448.9	412.1
-42.5°	888.0	835.0	782.4	732.5	677.9	613.2	551.0	504.5	460.7	420.9	389.5
-45°	797.8	754.9	709.3	655.6	597.7	550.3	506.3	466.6	428.8	399.5	369.4
-47.5°	712.6	668.6	621.7	581.3	541.6	502.5	466.9	431.7	408.6	381.2	342.8
-50°	623.1	593.9	561.2	526.7	495.3	462.8	438.2	415.7	388.8	354.2	313.6
-52.5°	568.9	544.9	517.5	486.3	463.8	445.2	423.7	393.4	361.9	320.9	276.8
-55°	537.7	516.9	497.3	475.8	450.5	423.2	395.1	361.4	321.1	279.8	239.8
-57.5°	535.1	511.5	483.1	452.8	420.7	386.5	350.3	313.4	276.1	238.6	201.8
-60°	512.8	484.2	445.4	406.4	367.7	331.9	297.4	263.2	229.5	195.9	163.1
-62.5°	443.4	412.2	375.9	338.8	304.0	272.0	240.5	209.0	179.8	151.8	125.4
-65°	344.9	317.1	288.1	259.9	231.4	202.7	175.9	153.6	133.0	111.4	89.4
-67.5°	244.2	223.6	201.2	179.4	161.1	143.4	126.0	108.0	93.2	80.6	67.8
-70°	160.2	147.5	133.9	119.9	108.3	97.8	86.6	75.6	65.0	55.5	45.6
-72.5°	99.4	92.2	84.6	76.6	68.5	61.2	53.9	46.3	38.5	30.7	24.8
-75°	57.2	52.2	46.9	41.7	36.2	30.5	27.1	24.7	22.3	19.9	17.5
-77.5°	30.9	28.2	25.7	23.8	21.8	19.7	17.5	16.0	15.0	14.0	13.0
-80°	20.6	19.0	17.4	16.1	14.8	13.5	12.3	11.6	11.0	10.5	10.0
-82.5°	13.9	12.8	11.7	10.9	10.2	9.4	8.7	8.5	8.2	7.9	7.5
-85°	9.6	8.6	7.6	7.3	6.9	6.6	6.3	6.1	6.0	5.9	5.8
-87.5°	6.4	5.6	4.7	4.7	4.6	4.6	4.6	4.6	4.7	4.7	4.8
-90°	1.8	2.1	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.3	3.6



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
87.5°	3.6	3.6	3.6	3.6	3.9	4.2	4.5	4.8	4.8	4.8	4.8
85°	3.7	3.8	3.8	3.8	4.0	4.2	4.5	4.8	4.8	4.8	4.8
82.5°	3.9	4.2	4.4	4.5	4.5	4.5	4.6	4.8	4.8	4.8	4.8
80°	4.0	4.3	4.6	4.8	4.8	4.8	4.8	4.8	5.0	5.0	5.0
77.5°	4.3	4.4	4.6	4.8	4.8	4.8	4.8	4.9	5.1	5.2	5.2
75°	4.8	4.7	4.7	4.8	4.9	4.8	4.8	4.9	5.2	5.4	5.5
72.5°	4.8	4.8	4.8	4.9	5.1	5.1	5.0	4.9	5.2	5.4	5.7
70°	5.6	5.0	4.8	5.0	5.3	5.5	5.4	5.3	5.2	5.5	5.7
67.5°	7.1	6.4	5.7	5.2	5.3	5.6	5.8	5.6	5.5	5.5	5.8
65°	9.0	7.9	7.0	6.1	5.6	5.6	5.9	5.9	5.7	5.7	5.8
62.5°	11.3	9.5	8.3	7.1	6.2	5.8	5.9	5.9	5.9	5.8	5.8
60°	13.9	11.1	9.5	8.2	6.9	6.0	5.9	5.9	5.9	5.9	5.9
57.5°	16.6	12.4	10.6	9.3	8.0	6.6	5.9	5.9	5.9	5.9	5.9
55°	18.4	14.0	11.7	10.1	8.9	7.5	6.2	5.9	5.9	5.9	5.9
52.5°	18.1	15.1	12.9	10.8	9.4	8.4	7.0	5.9	5.9	5.9	5.9
50°	16.4	15.5	13.6	11.5	9.9	8.8	7.7	6.4	5.9	5.9	5.9
47.5°	15.7	15.7	14.1	12.0	10.2	9.1	8.1	7.0	5.9	5.9	5.9
45°	15.4	16.2	14.8	12.6	10.5	9.5	8.5	7.4	6.3	5.9	5.9
42.5°	15.8	17.0	16.1	13.2	11.6	9.8	8.8	7.7	6.6	6.0	5.9
40°	20.2	18.3	17.8	16.2	13.0	10.2	9.1	8.0	6.9	6.2	6.0
37.5°	26.1	22.4	19.8	21.6	15.7	11.8	9.3	8.2	7.3	6.6	6.2
35°	38.6	28.8	27.2	28.8	22.4	13.6	9.6	8.4	7.7	6.9	6.3
32.5°	54.3	43.2	41.2	37.4	30.8	15.7	10.7	9.0	8.0	7.2	6.5
30°	77.3	69.6	58.9	47.9	40.4	23.3	12.9	9.7	8.4	7.5	6.7
27.5°	112.3	99.0	80.7	63.9	50.4	32.6	15.7	10.7	8.7	7.8	6.9
25°	152.7	132.1	108.6	83.6	61.6	45.3	18.8	11.9	9.3	8.1	7.2
22.5°	201.9	167.8	138.2	105.2	78.5	59.7	25.6	14.3	10.2	8.4	7.4
20°	253.3	205.1	170.2	129.4	98.8	74.0	36.6	16.8	11.1	8.6	7.6
17.5°	306.8	252.8	208.6	158.0	119.7	89.3	48.4	19.4	12.0	8.9	7.8
15°	378.9	313.6	250.6	188.3	139.5	105.3	60.6	21.9	13.0	9.1	8.1
12.5°	455.0	377.2	295.1	219.7	158.4	121.8	73.0	24.4	14.0	9.8	8.3
10°	530.4	442.1	341.0	251.3	176.2	138.5	85.2	27.8	16.3	10.8	8.6
7.5°	604.5	507.1	387.2	282.5	195.3	160.1	105.2	33.5	18.9	12.0	8.8
5°	671.5	564.9	432.8	320.6	225.6	186.7	126.4	39.2	21.4	13.1	9.1
2.5°	714.0	609.9	475.5	357.2	255.3	212.2	146.6	44.7	23.8	14.3	9.3
0°	752.0	649.8	514.4	390.8	283.9	236.4	165.1	49.9	26.1	15.4	9.5
-2.5°	776.1	673.2	535.7	417.5	313.5	262.9	187.5	64.5	34.6	19.9	11.4
-5°	796.2	691.5	553.5	441.3	341.7	287.4	206.8	78.3	42.7	24.1	13.1
-7.5°	803.6	695.2	562.8	460.2	368.4	309.9	222.3	90.9	50.1	28.1	14.8
-10°	803.7	687.5	559.8	459.9	374.8	319.3	231.7	102.0	56.8	31.5	16.2
-12.5°	798.0	674.5	554.1	456.4	376.0	316.8	224.9	109.3	62.5	34.4	17.4
-15°	786.1	656.2	545.9	449.7	375.2	312.5	216.5	114.1	66.8	36.9	18.4
-17.5°	762.0	632.7	535.5	439.8	372.4	306.7	206.9	117.3	70.0	38.8	19.4
-20°	705.2	598.8	522.8	426.7	367.3	299.4	196.4	118.8	72.0	40.0	20.4

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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°	645.4	559.8	490.4	418.1	359.0	290.6	185.5	118.5	72.7	40.2	21.0
-25°	584.0	520.0	455.4	398.4	346.9	274.2	179.1	116.4	71.9	39.5	21.2
-27.5°	534.6	480.2	421.6	378.6	327.2	258.3	175.8	115.2	70.2	37.8	21.1
-30°	490.2	443.3	397.1	358.1	307.1	235.9	170.1	112.2	68.2	36.7	20.4
-32.5°	455.4	409.1	375.5	335.3	282.4	213.0	157.8	107.1	64.8	36.0	20.0
-35°	427.7	386.0	354.1	312.5	255.8	195.0	142.7	100.1	59.9	34.6	19.2
-37.5°	400.4	368.3	329.6	287.0	229.3	175.4	128.8	89.1	53.5	32.5	18.1
-40°	381.2	347.8	307.7	258.4	205.3	154.3	113.7	78.5	49.3	29.9	16.5
-42.5°	360.9	323.1	279.8	230.3	180.7	136.6	98.1	67.2	44.7	27.3	14.6
-45°	333.3	294.8	249.2	202.5	155.6	117.9	85.1	56.3	39.4	24.5	12.9
-47.5°	303.1	261.3	218.5	174.2	134.2	99.4	71.6	50.1	33.9	21.2	12.0
-50°	267.1	228.0	187.9	149.2	112.5	84.2	59.3	43.4	29.1	17.0	10.8
-52.5°	234.0	195.4	159.4	124.6	94.4	68.4	51.4	36.4	24.0	14.5	9.5
-55°	200.5	164.4	131.7	102.2	76.1	57.7	43.1	30.1	18.5	12.5	8.1
-57.5°	166.9	133.8	105.8	80.3	62.1	48.1	35.1	23.4	15.3	10.4	7.9
-60°	132.5	105.1	79.9	64.3	51.0	38.4	27.0	17.6	12.5	8.5	7.7
-62.5°	99.9	77.8	64.1	51.7	39.7	28.7	19.3	14.1	9.6	8.2	7.4
-65°	75.0	61.9	49.9	38.6	28.1	19.9	15.0	10.4	8.6	7.9	7.2
-67.5°	55.9	44.8	34.6	24.9	19.5	15.0	10.5	9.0	8.3	7.5	7.2
-70°	35.9	26.9	21.9	18.1	14.1	10.6	9.4	8.5	7.9	7.4	7.2
-72.5°	21.9	18.8	15.7	12.6	11.0	9.7	8.8	8.1	7.6	7.3	7.1
-75°	14.9	13.3	12.0	10.8	9.6	8.8	8.1	7.7	7.3	7.1	6.8
-77.5°	11.9	10.8	9.8	9.1	8.5	7.9	7.5	7.2	7.0	6.7	6.5
-80°	9.4	8.8	8.2	7.8	7.4	7.1	6.9	6.7	6.5	6.3	6.1
-82.5°	7.2	7.0	6.8	6.8	6.6	6.5	6.4	6.2	6.1	5.9	5.8
-85°	5.8	5.9	6.0	6.1	6.0	5.9	5.8	5.7	5.6	5.6	5.5
-87.5°	5.0	5.2	5.3	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.1
-90°	3.6	3.6	3.6	3.6	3.9	4.2	4.5	4.8	4.8	4.8	4.8

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
87.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
85°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
77.5°	5.1	4.9	4.8	4.8	4.8	4.8	4.8
75°	5.4	5.1	4.8	4.8	4.8	4.8	4.8
72.5°	5.7	5.3	5.0	4.8	4.8	4.8	4.8
70°	5.9	5.6	5.2	4.8	4.8	4.8	4.8
67.5°	5.9	5.8	5.4	5.0	4.8	4.8	4.8
65°	5.9	5.9	5.6	5.1	4.8	4.8	4.8
62.5°	5.9	5.9	5.7	5.2	4.8	4.8	4.8
60°	5.9	5.9	5.9	5.3	4.8	4.8	4.8
57.5°	5.9	5.9	5.9	5.5	4.9	4.8	4.8
55°	5.9	5.9	5.9	5.6	5.0	4.8	4.8
52.5°	5.9	5.9	5.9	5.7	5.0	4.8	4.8
50°	5.9	5.9	5.9	5.8	5.1	4.8	4.8
47.5°	5.9	5.9	5.9	5.9	5.2	4.8	4.8
45°	5.9	5.9	5.9	5.9	5.3	4.8	4.8
42.5°	5.9	5.9	5.9	5.9	5.3	4.8	4.8
40°	5.9	5.9	5.9	5.9	5.4	4.8	4.8
37.5°	5.9	5.9	5.9	5.9	5.4	4.8	4.8
35°	5.9	5.9	5.9	5.9	5.5	4.8	4.8
32.5°	5.9	5.9	5.9	5.9	5.6	4.8	4.8
30°	6.1	5.9	5.9	5.9	5.6	4.8	4.8
27.5°	6.2	5.9	5.9	5.9	5.7	4.8	4.8
25°	6.3	5.9	5.9	5.9	5.7	4.8	4.8
22.5°	6.5	5.9	5.9	5.9	5.7	4.8	4.8
20°	6.6	6.0	5.9	5.9	5.8	4.8	4.8
17.5°	6.8	6.1	5.9	5.9	5.8	4.8	4.8
15°	6.9	6.2	5.9	5.9	5.8	4.8	4.8
12.5°	7.0	6.4	5.9	5.9	5.8	4.8	4.8
10°	7.0	6.5	5.9	5.9	5.9	4.8	4.8
7.5°	7.1	6.7	5.9	5.9	5.9	4.8	4.8
5°	7.1	6.8	5.9	5.9	5.9	4.8	4.8
2.5°	7.1	7.0	5.9	5.9	5.9	4.8	4.8
0°	7.1	7.1	5.9	5.9	5.9	4.8	4.8
-2.5°	7.7	7.1	5.9	5.9	5.9	4.8	4.8
-5°	8.4	7.1	5.9	5.9	5.9	4.8	4.8
-7.5°	8.9	7.0	5.9	5.9	5.9	4.8	4.8
-10°	9.4	7.0	5.9	5.9	5.9	4.8	4.8
-12.5°	9.8	7.0	5.9	5.9	5.8	4.8	4.8
-15°	10.1	6.9	5.9	5.9	5.8	4.8	4.8
-17.5°	10.3	6.8	5.9	5.9	5.8	4.8	4.8
-20°	10.5	6.7	5.9	5.9	5.8	4.8	4.8

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	10.9	6.6	5.9	5.9	5.7	4.8	4.8
-25°	11.1	6.7	5.9	5.9	5.7	4.8	4.8
-27.5°	11.0	6.8	5.9	5.9	5.7	4.8	4.8
-30°	10.7	6.9	5.9	5.9	5.6	4.8	4.8
-32.5°	10.1	6.8	6.0	5.9	5.6	4.8	4.8
-35°	9.8	6.7	6.0	5.9	5.5	4.8	4.8
-37.5°	9.7	6.5	6.1	5.9	5.4	4.8	4.8
-40°	9.4	6.6	6.1	5.9	5.4	4.8	4.8
-42.5°	8.9	6.6	6.1	5.9	5.3	4.8	4.8
-45°	8.3	6.6	6.2	5.9	5.3	4.8	4.8
-47.5°	7.5	6.6	6.2	6.0	5.2	4.8	4.8
-50°	7.3	6.6	6.2	5.9	5.1	4.8	4.8
-52.5°	7.3	6.5	6.3	5.8	5.0	4.8	4.8
-55°	7.2	6.5	6.3	5.7	5.0	4.8	4.8
-57.5°	7.0	6.6	6.3	5.6	4.9	4.8	4.8
-60°	6.9	6.6	6.3	5.5	4.8	4.8	4.8
-62.5°	6.9	6.6	6.2	5.4	4.8	4.8	4.8
-65°	6.9	6.7	6.0	5.3	4.8	4.8	4.8
-67.5°	7.0	6.6	5.9	5.2	4.8	4.8	4.8
-70°	7.0	6.4	5.7	5.1	4.8	4.8	4.8
-72.5°	6.8	6.1	5.5	5.0	4.8	4.8	4.8
-75°	6.5	5.9	5.3	5.0	4.8	4.8	4.8
-77.5°	6.2	5.7	5.3	5.0	4.8	4.8	4.8
-80°	5.9	5.5	5.2	4.9	4.8	4.8	4.8
-82.5°	5.6	5.3	5.1	4.9	4.8	4.8	4.8
-85°	5.4	5.2	5.0	4.9	4.8	4.8	4.8
-87.5°	5.1	5.0	4.9	4.8	4.8	4.8	4.8
-90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)



Horizontal Angle (degrees)



Horizontal Angle (degrees)

