

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: P701341 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-80-1S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701341 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-80-1S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

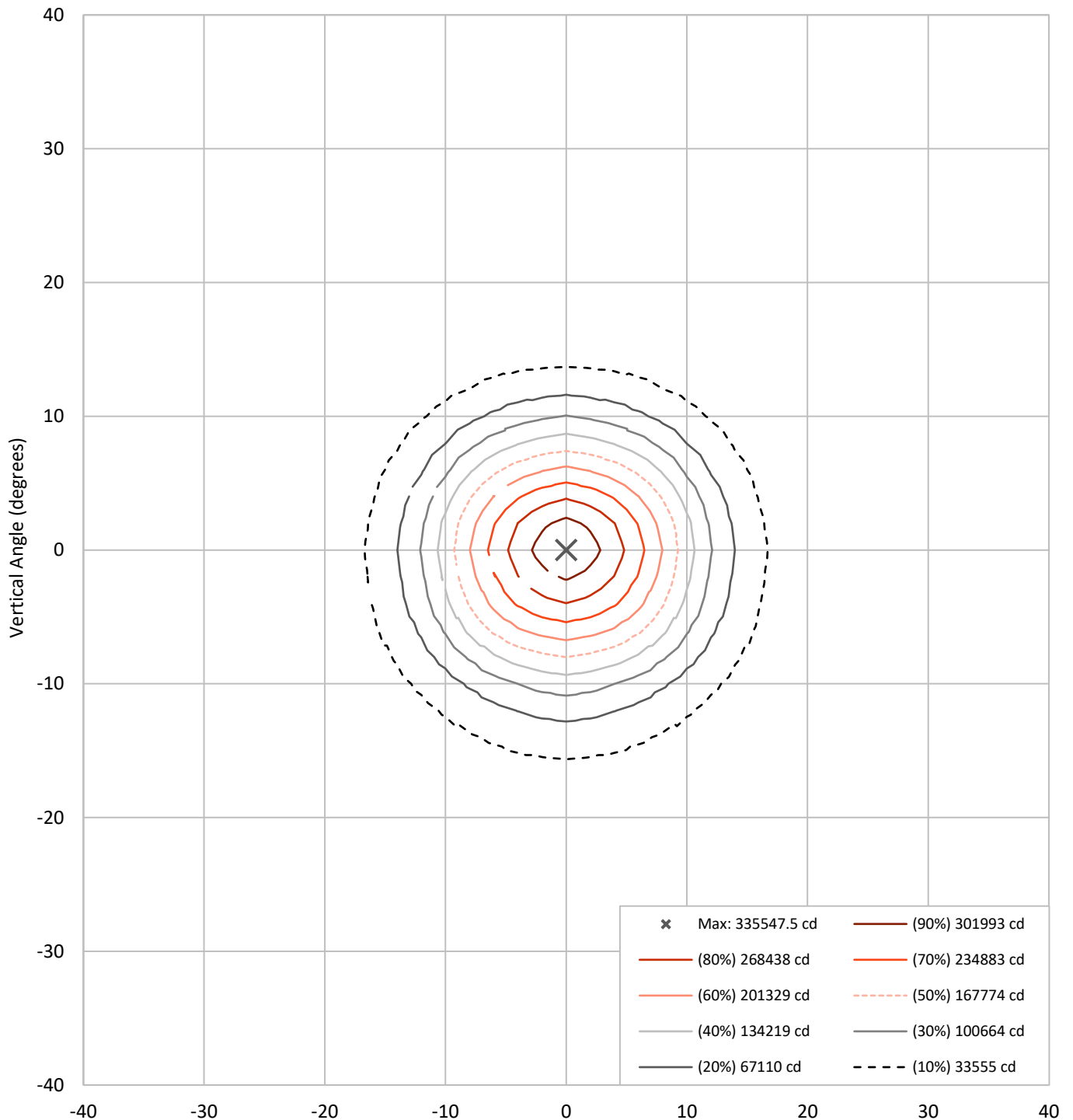
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	34497.5 lumens	Max Intensity:	335547.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	101.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.6°H x 15.4°V	Field Angle (10%):	33.2°H x 29.1°V
Beam Lumens:	15909.8 lumens	Field Lumens:	29351.9 lumens
Beam Efficiency:	46.1%	Field Efficiency:	85.1%

Input Watts (W): 341.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





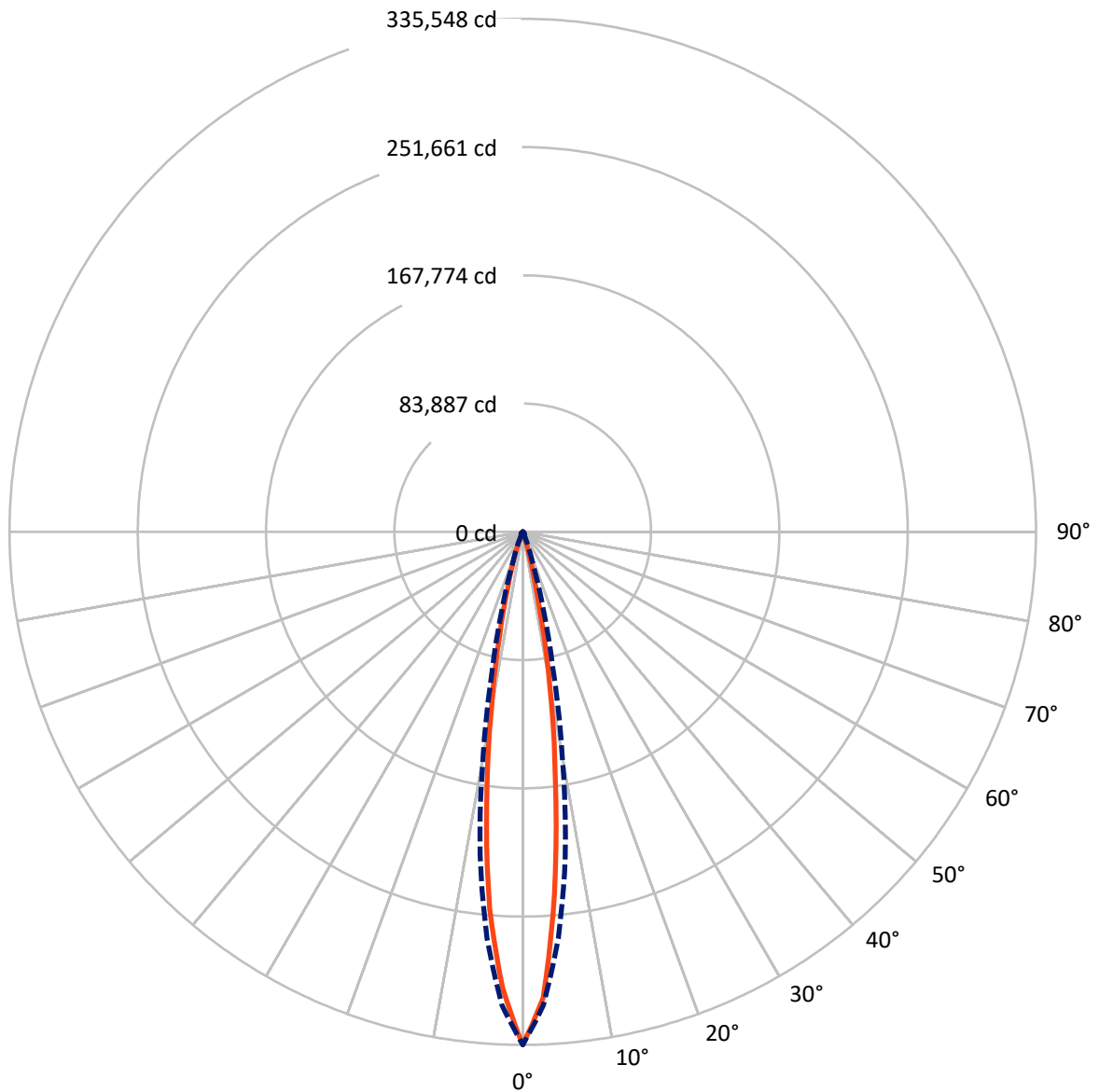
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Lumen Table

90	0.1		0.2		0.4		0.4		0.5		0.4		0.4		0.2		0.1	
80	0.1		0.2		0.4		0.4		0.5		0.4		0.4		0.2		0.1	
70	0.1	0.1	0.1	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.1	0.1	0.1	0.1	0.1
60		0.1	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.1			
50	0.2	0.1	0.3	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.3	0.1	0.2	0.2	0.2
40		0.2	0.4	0.5	0.9	1.3	1.3	1.5	1.5	1.3	1.3	0.9	0.5	0.4	0.2			
30	0.2	0.3	0.9	2.0	3.9	4.4	6.2	12.5	12.5	6.2	4.4	3.9	2.0	0.9	0.3	0.2	0.2	0.2
20		0.7	2.8	9.4	17.5	23.3	172.9	720.3	720.3	172.9	23.3	17.5	9.4	2.8	0.7			
10	0.2	1.1	5.6	23.7	38.4	87.2	1268.9	5498.6	5498.6	1268.9	87.2	38.4	23.7	5.6	1.1	0.2	0.2	0.2
0		1.4	6.5	27.3	45.0	89.4	1361.9	5747.3	5747.3	1361.9	89.4	45.0	27.3	6.5	1.4			
-10	0.3	1.5	5.7	20.6	37.1	40.9	290.4	1128.1	1128.1	290.4	40.9	37.1	20.6	5.7	1.5	0.3	0.3	0.3
-20		1.4	4.9	11.6	29.9	34.6	38.1	74.3	74.3	38.1	34.6	29.9	11.6	4.9	1.4			
-30	0.3	1.3	4.1	7.3	18.3	34.6	40.4	40.8	40.8	40.4	34.6	18.3	7.3	4.1	1.3	0.3	0.3	0.3
-40		0.9	3.1	6.3	9.9	17.4	29.4	38.6	38.6	29.4	17.4	9.9	6.3	3.1	0.9			
-50	0.2	0.4	1.7	4.1	7.4	10.2	12.1	13.4	13.4	12.1	10.2	7.4	4.1	1.7	0.4	0.2	0.2	0.2
-60		0.2	0.6	1.7	3.3	5.1	6.8	8.0	8.0	6.8	5.1	3.3	1.7	0.6	0.2			
-70	0.1	0.6	1.5	3.6	6.1	3.6	1.5	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
-80		0.1	0.6	1.5	3.6	6.1	3.6	1.5	0.6	0.1	0.1	0.1	0.1	0.1				
-90	0.1		0.6		1.5		3.6		6.1		3.6		1.5		0.6		0.1	

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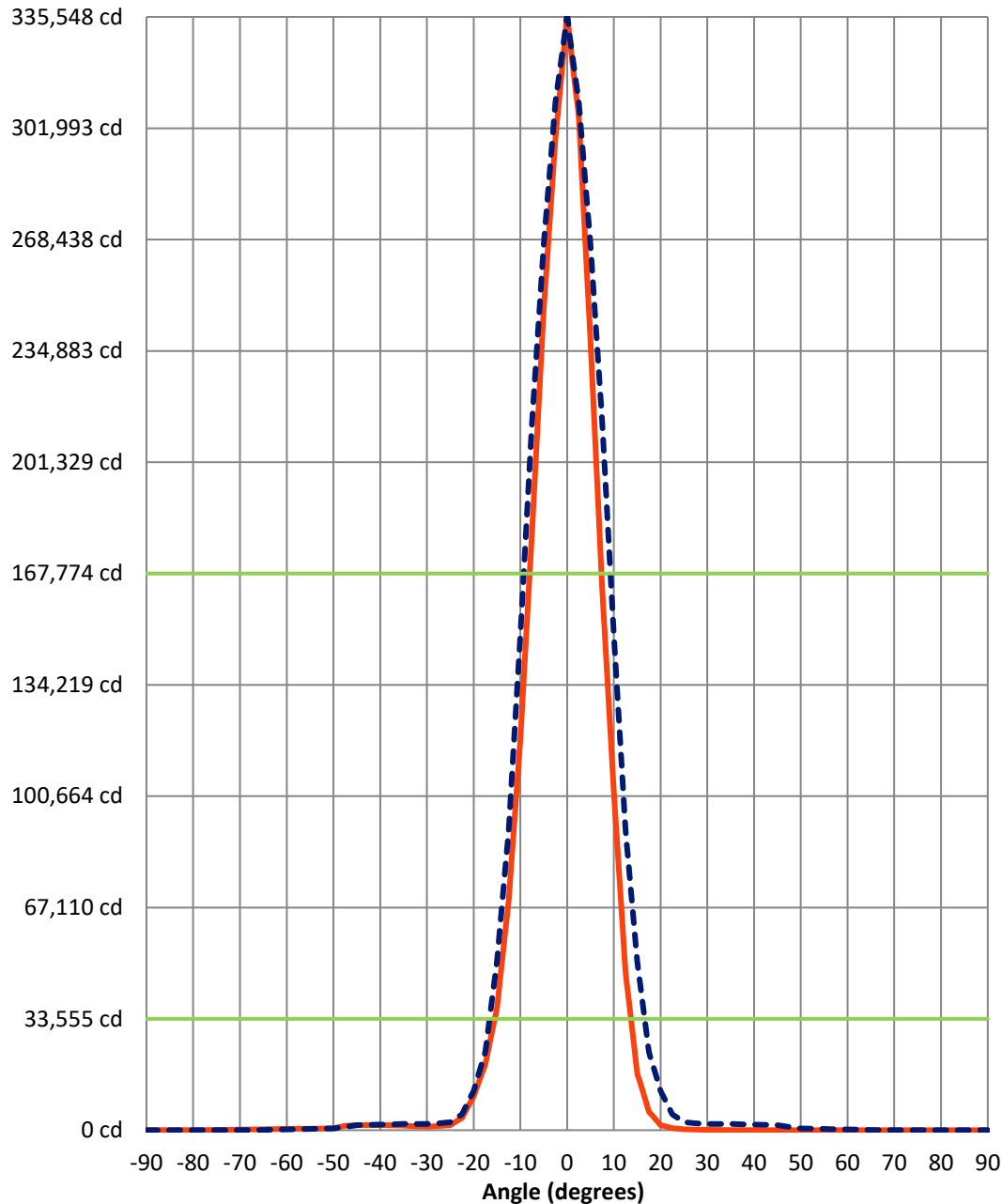
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 18.6°
V Angle: 15.4°
Lumens: 15909.8
Efficiency: 46.1%

Field:
H Angle: 33.2°
V Angle: 29.1°
Lumens: 29351.9
Efficiency: 85.1%

Spill:
Lumens: 5145.6
Efficiency: 14.9%

— 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°	4.3	4.3	4.3	4.5	4.7	4.9	5.1	5.1	5.1	5.1	5.1
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
80°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
77.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
75°	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.3	4.3	4.4	4.3
72.5°	4.3	4.3	4.3	4.3	4.5	4.6	4.4	4.3	4.5	4.5	4.4
70°	4.3	4.3	4.3	4.3	4.6	4.7	4.5	4.5	4.6	4.6	4.7
67.5°	4.3	4.3	4.3	4.5	4.8	4.8	4.7	4.8	4.8	4.9	5.0
65°	4.3	4.3	4.3	4.7	5.0	5.0	4.9	5.0	5.1	5.3	5.3
62.5°	4.3	4.3	4.3	4.8	5.2	5.2	5.2	5.2	5.4	5.6	5.4
60°	4.3	4.3	4.3	5.0	5.4	5.4	5.4	5.5	5.7	5.7	5.6
57.5°	4.3	4.3	4.4	5.2	5.5	5.6	5.7	5.8	6.0	6.0	5.9
55°	4.3	4.3	4.5	5.4	5.7	5.8	6.0	6.1	6.2	6.2	6.3
52.5°	4.3	4.3	4.6	5.6	5.8	6.0	6.3	6.5	6.5	6.6	6.8
50°	4.3	4.3	4.7	5.8	6.0	6.3	6.7	6.8	6.8	7.0	7.8
47.5°	4.3	4.3	4.8	5.9	6.1	6.6	7.0	7.3	7.1	7.4	8.8
45°	4.3	4.3	4.9	6.0	6.3	6.9	7.4	7.7	7.6	8.2	9.8
42.5°	4.3	4.3	5.0	6.2	6.4	7.2	7.8	8.3	8.2	9.0	10.8
40°	4.3	4.3	5.0	6.2	6.6	7.5	8.3	8.8	9.0	9.8	11.7
37.5°	4.3	4.3	5.1	6.2	6.9	7.8	8.8	9.4	9.9	10.9	12.5
35°	4.3	4.3	5.1	6.2	7.1	8.1	9.3	10.0	10.9	12.2	13.0
32.5°	4.3	4.3	5.2	6.3	7.3	8.5	9.8	10.7	11.8	13.5	14.4
30°	4.3	4.3	5.2	6.3	7.6	8.9	10.4	11.4	12.7	14.9	16.0
27.5°	4.3	4.3	5.2	6.3	7.6	9.3	10.9	12.2	13.8	16.5	17.8
25°	4.3	4.3	5.3	6.3	7.7	9.7	11.5	13.0	15.0	18.0	19.8
22.5°	4.3	4.3	5.3	6.3	7.7	10.0	12.0	13.7	16.3	19.6	22.9
20°	4.3	4.3	5.3	6.3	7.6	10.0	12.6	14.4	17.6	21.3	26.2
17.5°	4.3	4.3	5.3	6.2	7.6	9.9	12.7	15.1	18.9	23.1	29.6
15°	4.3	4.3	5.3	6.2	7.5	9.8	12.5	15.4	20.2	24.9	33.2
12.5°	4.3	4.3	5.2	6.2	7.4	9.7	12.2	15.2	20.8	26.7	36.8
10°	4.3	4.3	5.2	6.2	7.3	9.5	11.9	15.0	20.7	27.5	40.3
7.5°	4.3	4.3	5.2	6.1	7.2	9.3	11.5	14.7	20.6	28.2	43.4
5°	4.3	4.3	5.2	6.1	7.1	9.0	11.1	14.4	20.4	28.9	46.6
2.5°	4.3	4.3	5.1	6.1	6.9	8.8	10.7	14.1	20.0	29.5	49.5
0°	4.3	4.3	5.1	6.0	6.8	8.5	10.2	13.7	19.6	29.9	52.1
-2.5°	4.3	4.3	5.1	6.0	6.9	8.6	10.7	15.1	23.1	35.8	60.2
-5°	4.3	4.3	5.1	6.0	6.9	8.7	11.1	16.5	26.5	41.4	67.7
-7.5°	4.3	4.4	5.1	6.0	7.0	8.7	11.5	17.7	29.5	46.5	74.6
-10°	4.3	4.4	5.1	6.0	7.0	8.8	11.8	18.7	32.1	51.2	80.6
-12.5°	4.3	4.4	5.1	5.9	7.1	8.8	12.0	19.6	34.3	55.3	86.4
-15°	4.3	4.4	5.1	5.9	7.1	8.8	12.2	20.2	36.5	59.5	91.4
-17.5°	4.3	4.4	5.0	5.9	7.1	8.8	12.3	21.2	38.9	63.0	95.3
-20°	4.3	4.4	5.0	5.8	7.1	8.8	12.4	22.3	40.6	65.8	98.0



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.3	4.4	5.0	5.8	7.0	8.7	12.8	22.9	41.6	67.7	99.5
-25°	4.3	4.5	5.0	5.7	7.0	8.8	12.9	23.0	41.8	68.8	99.6
-27.5°	4.3	4.5	5.0	5.7	6.9	8.9	12.8	22.5	41.2	68.9	100.4
-30°	4.3	4.5	5.0	5.6	6.8	8.9	12.5	21.4	40.4	68.1	100.2
-32.5°	4.3	4.5	5.0	5.6	6.8	8.9	11.9	20.8	39.2	66.2	98.7
-35°	4.3	4.5	5.0	5.5	6.7	8.8	11.7	20.1	37.1	63.1	96.1
-37.5°	4.3	4.5	5.0	5.4	6.7	8.7	11.6	19.0	34.1	58.8	88.8
-40°	4.3	4.5	5.0	5.4	6.6	8.7	11.4	17.5	30.2	54.3	80.4
-42.5°	4.3	4.5	5.0	5.3	6.5	8.5	11.1	15.7	27.3	47.7	71.2
-45°	4.3	4.5	5.0	5.3	6.5	8.4	10.8	14.2	24.6	40.2	61.4
-47.5°	4.3	4.5	5.0	5.3	6.5	8.2	10.4	13.7	21.5	32.3	52.5
-50°	4.3	4.5	5.0	5.3	6.4	8.0	10.1	13.1	17.5	27.8	42.9
-52.5°	4.3	4.5	5.0	5.3	6.4	7.8	9.8	12.4	15.6	23.0	33.2
-55°	4.3	4.5	5.0	5.3	6.3	7.6	9.5	11.6	14.4	18.0	27.5
-57.5°	4.3	4.5	5.0	5.4	6.2	7.5	9.1	11.2	13.3	15.8	21.6
-60°	4.3	4.5	5.0	5.4	6.1	7.3	8.7	10.6	12.2	14.5	16.9
-62.5°	4.3	4.5	5.0	5.4	6.0	7.1	8.4	10.0	11.5	13.1	15.4
-65°	4.3	4.5	4.9	5.3	5.9	6.9	8.2	9.4	10.8	12.2	13.8
-67.5°	4.3	4.4	4.9	5.3	5.9	6.7	7.9	9.0	10.0	11.4	12.7
-70°	4.3	4.4	4.8	5.3	5.8	6.5	7.5	8.6	9.5	10.5	11.7
-72.5°	4.3	4.4	4.8	5.2	5.7	6.3	7.2	8.1	9.0	9.9	10.8
-75°	4.3	4.4	4.7	5.1	5.5	6.1	6.8	7.6	8.5	9.3	10.1
-77.5°	4.3	4.4	4.6	5.0	5.4	5.8	6.4	7.1	7.8	8.7	9.5
-80°	4.3	4.4	4.6	4.9	5.3	5.6	6.0	6.6	7.1	7.8	8.5
-82.5°	4.3	4.4	4.5	4.8	5.1	5.5	5.8	6.1	6.4	6.9	7.5
-85°	4.3	4.3	4.4	4.7	5.0	5.3	5.6	5.8	6.0	6.2	6.5
-87.5°	4.3	4.3	4.4	4.6	4.8	5.1	5.3	5.4	5.5	5.7	5.8
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



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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°	5.1	5.1	5.1	5.1	5.3	5.6	5.8	6.0	6.0	6.0	6.0
87.5°	4.1	3.9	3.6	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6
85°	4.1	3.9	3.6	3.4	3.2	3.1	3.0	2.9	2.9	2.8	2.7
82.5°	4.1	3.9	3.6	3.4	3.4	3.4	3.4	3.4	3.2	3.0	2.8
80°	4.1	3.9	3.8	3.7	3.7	3.7	3.6	3.4	3.2	3.1	3.0
77.5°	4.2	4.1	4.1	4.2	4.1	4.0	3.9	3.9	3.8	3.8	3.6
75°	4.3	4.3	4.4	4.3	4.2	4.2	4.3	4.3	4.2	4.1	4.1
72.5°	4.4	4.5	4.5	4.4	4.3	4.3	4.3	4.3	4.8	5.6	6.2
70°	4.8	4.8	4.6	4.4	4.3	4.5	5.5	6.6	7.8	9.0	10.5
67.5°	5.0	4.9	4.7	4.6	5.3	6.4	7.7	10.8	14.6	16.2	16.9
65°	5.1	4.9	5.1	5.8	6.7	9.0	12.4	16.8	21.6	22.4	21.9
62.5°	5.1	5.4	5.9	7.1	9.0	12.0	16.4	21.3	26.8	26.8	23.4
60°	5.5	5.9	7.2	9.1	11.3	14.7	19.7	23.5	27.4	29.0	22.2
57.5°	6.0	6.9	8.9	11.3	14.0	16.4	19.1	22.8	24.4	24.4	18.0
55°	6.8	8.3	10.8	13.7	15.7	15.2	17.0	18.3	18.6	17.3	12.5
52.5°	8.1	9.9	13.0	15.5	15.9	14.4	13.3	14.0	13.1	11.2	9.7
50°	9.4	11.9	15.0	16.6	15.7	12.9	10.7	10.7	10.1	9.2	8.3
47.5°	10.8	13.7	16.7	17.4	14.4	12.3	10.3	9.6	9.1	8.7	8.0
45°	12.2	15.0	18.2	16.3	14.0	12.8	11.2	9.4	9.4	9.1	9.1
42.5°	13.4	16.1	17.4	15.3	15.0	14.0	12.7	11.0	10.3	10.7	10.9
40°	14.1	16.8	16.7	16.7	16.4	15.9	14.9	13.5	12.1	13.1	13.6
37.5°	14.7	16.7	17.2	19.1	18.4	18.3	17.6	17.8	16.8	16.3	18.3
35°	15.0	17.1	20.1	22.3	21.9	21.2	22.3	23.0	22.7	22.0	25.2
32.5°	15.4	18.0	23.6	26.0	26.9	26.4	27.8	29.1	30.5	32.2	37.4
30°	17.1	21.3	27.7	30.3	32.9	36.0	35.3	36.4	40.2	52.3	63.6
27.5°	20.3	25.6	31.8	36.0	40.7	47.9	49.4	47.6	59.2	78.6	98.7
25°	24.1	38.5	36.2	42.8	52.3	62.1	67.4	71.6	87.5	115.8	136.9
22.5°	31.4	55.5	55.2	50.2	65.3	78.6	91.4	119.7	159.9	172.8	176.9
20°	43.9	72.6	78.0	79.7	84.9	96.9	118.7	185.3	265.6	295.9	263.5
17.5°	58.7	91.3	103.1	116.0	131.9	135.5	154.0	264.1	397.2	442.7	442.9
15°	75.1	111.3	129.8	156.0	182.1	198.5	259.9	393.0	539.6	611.7	652.8
12.5°	92.8	132.2	157.6	198.7	234.7	263.6	397.5	609.8	746.2	809.1	929.1
10°	111.0	153.8	186.2	243.2	289.0	330.0	552.3	841.2	974.0	1035.6	1172.7
7.5°	129.2	173.9	214.1	288.6	344.2	396.8	717.1	1080.2	1193.8	1248.7	1360.5
5°	146.6	191.7	236.2	323.0	387.8	451.6	866.6	1318.3	1406.7	1451.1	1514.1
2.5°	162.7	208.7	257.4	354.0	422.9	486.1	931.6	1422.8	1519.9	1586.4	1640.1
0°	176.7	224.5	277.4	382.4	455.8	518.1	979.0	1509.1	1611.5	1690.9	1755.8
-2.5°	177.4	227.8	284.0	381.2	448.5	513.0	933.7	1489.6	1642.9	1762.1	1859.3
-5°	175.7	229.8	288.8	377.5	439.4	505.3	874.1	1442.8	1649.3	1776.2	1875.5
-7.5°	172.2	230.2	291.6	370.9	425.9	485.8	822.0	1347.3	1574.8	1683.4	1788.9
-10°	167.6	228.9	287.4	355.5	406.5	459.0	755.8	1236.2	1498.4	1591.7	1689.7
-12.5°	163.6	226.3	281.3	340.3	386.8	431.5	669.1	1114.0	1422.6	1503.9	1582.1
-15°	159.0	222.8	274.3	326.1	367.3	403.8	560.9	984.7	1348.6	1439.8	1500.3
-17.5°	154.0	218.5	266.8	313.6	348.4	376.3	432.8	829.3	1225.4	1364.4	1435.2
-20°	149.0	213.6	258.9	303.6	330.6	356.9	394.8	671.0	1033.2	1273.4	1363.8



REPORT NUMBER: P701341 (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°	144.4	208.2	251.1	293.3	321.1	344.5	374.7	517.0	830.1	1170.5	1279.5
-25°	142.6	199.8	243.6	283.4	314.1	332.6	354.1	387.6	642.7	966.1	1184.8
-27.5°	142.1	192.8	234.7	272.9	308.6	322.6	339.0	364.6	495.2	756.5	1067.9
-30°	140.0	182.8	224.8	261.9	297.8	317.0	327.3	347.5	382.5	583.2	838.7
-32.5°	133.5	172.0	213.1	250.2	285.1	313.6	321.5	338.5	364.3	421.7	629.1
-35°	125.4	162.0	200.4	237.5	272.0	303.7	321.5	331.5	348.7	376.1	469.2
-37.5°	117.7	151.1	187.3	223.7	257.4	289.5	320.4	329.3	340.8	360.3	395.8
-40°	108.8	139.6	174.4	209.0	241.5	273.3	303.7	329.6	336.6	356.3	381.1
-42.5°	98.7	128.4	161.0	193.4	223.9	255.0	285.7	314.6	341.7	355.3	374.4
-45°	87.6	115.9	147.0	176.0	204.4	234.8	264.7	294.8	329.8	361.3	374.2
-47.5°	75.5	102.1	131.2	157.2	183.8	212.0	241.9	273.6	308.8	343.6	379.7
-50°	63.1	87.7	113.0	137.6	162.0	187.8	215.4	248.8	282.4	317.2	352.1
-52.5°	51.7	72.3	95.0	117.6	140.0	162.7	189.2	219.3	251.7	285.1	316.1
-55°	39.6	58.0	76.4	97.4	118.3	138.5	161.9	189.2	217.2	248.0	276.0
-57.5°	30.8	43.6	59.5	76.6	96.0	115.5	136.8	158.6	183.6	209.4	232.6
-60°	23.8	32.1	43.6	58.0	72.8	91.4	111.4	131.3	151.4	170.4	190.2
-62.5°	17.5	24.1	31.4	40.6	53.5	67.2	84.3	102.5	120.9	137.0	151.5
-65°	15.8	17.6	22.7	29.1	35.2	47.3	60.2	73.1	88.8	103.0	116.2
-67.5°	14.1	15.7	17.3	19.8	25.5	31.9	38.4	49.7	60.9	70.7	80.5
-70°	12.8	13.8	15.2	16.6	18.2	21.0	26.6	32.4	38.2	45.0	53.5
-72.5°	11.7	12.6	13.5	14.3	15.7	17.2	18.8	20.5	23.9	28.5	33.2
-75°	10.8	11.4	12.1	12.9	13.7	14.7	15.7	17.1	18.4	19.6	20.7
-77.5°	9.9	10.4	10.9	11.5	12.1	12.9	13.7	14.5	15.3	16.2	17.2
-80°	9.0	9.4	9.7	10.1	10.5	11.0	11.6	12.2	12.6	13.0	13.6
-82.5°	7.8	8.1	8.4	8.7	8.9	9.2	9.5	9.8	9.9	10.1	10.3
-85°	6.7	6.8	7.0	7.2	7.4	7.5	7.7	7.9	7.8	7.8	7.7
-87.5°	5.9	5.9	6.0	6.1	6.2	6.4	6.5	6.6	6.4	6.3	6.2
-90°	4.1	3.9	3.6	3.4	3.2	3.0	2.8	2.6	2.6	2.6	2.6



REPORT NUMBER: P701341 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.0	6.0	6.0	6.0	6.0	8.3	10.7	13.0	15.4	21.1	26.9
87.5°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.9	0.9
85°	2.6	2.4	2.2	1.9	1.7	1.7	1.7	1.6	1.6	1.5	1.3
82.5°	2.6	2.5	2.4	2.4	2.4	2.2	2.1	1.9	1.7	1.5	1.3
80°	2.9	2.8	2.8	2.7	2.6	2.4	2.2	1.9	1.7	1.7	1.7
77.5°	3.5	3.4	3.2	3.0	2.7	2.5	2.5	2.4	2.4	2.3	2.1
75°	4.2	4.2	4.1	3.9	3.5	3.4	3.4	3.4	3.3	3.1	2.9
72.5°	6.8	6.9	6.6	6.3	5.9	5.6	5.7	5.6	5.5	5.4	5.3
70°	11.3	11.5	11.1	10.2	9.0	8.1	7.7	7.3	6.8	6.8	7.3
67.5°	16.4	15.2	14.0	12.6	10.8	9.4	8.7	8.0	7.2	6.8	6.6
65°	19.8	15.7	13.4	11.8	10.8	9.7	8.6	7.6	6.7	6.1	5.8
62.5°	18.9	13.4	11.0	9.8	9.0	8.3	7.2	6.2	5.4	4.8	4.8
60°	16.2	11.2	8.6	7.7	6.8	6.0	5.5	5.0	4.6	4.4	4.6
57.5°	12.6	8.8	6.7	6.4	6.0	5.4	5.1	4.9	4.6	4.3	4.6
55°	9.2	7.7	6.8	6.6	6.4	6.1	5.8	5.4	5.1	4.8	5.0
52.5°	8.0	7.5	7.5	7.4	6.9	6.4	6.0	5.9	5.8	5.7	5.8
50°	7.8	7.7	7.8	7.6	7.2	6.9	6.7	6.7	6.6	6.5	6.6
47.5°	8.0	8.1	8.1	7.7	7.6	7.7	7.7	7.6	7.7	7.8	8.0
45°	8.7	9.0	9.1	9.3	9.0	9.3	9.3	9.2	10.6	10.8	10.1
42.5°	10.6	11.8	12.6	12.3	11.2	13.5	16.8	18.3	16.8	14.7	13.2
40°	15.2	16.6	17.2	18.3	22.8	26.3	23.1	19.9	18.6	19.7	20.7
37.5°	21.2	23.1	28.5	35.4	32.9	26.8	27.5	27.7	27.1	28.9	29.2
35°	31.1	39.9	46.4	44.3	41.2	40.6	42.0	42.5	38.5	40.3	41.0
32.5°	49.8	60.4	61.0	58.3	59.8	60.0	64.2	61.4	57.9	59.7	64.4
30°	71.8	82.4	86.3	81.4	72.4	77.4	81.7	80.4	82.9	90.2	97.9
27.5°	106.4	113.2	119.7	109.8	91.8	99.7	102.7	99.6	116.6	125.8	144.0
25°	147.6	155.4	160.4	152.1	139.7	133.4	143.0	150.3	171.1	191.3	219.7
22.5°	192.5	213.3	219.3	197.7	197.7	197.6	201.3	226.1	254.0	298.7	373.7
20°	244.8	286.2	319.4	297.5	269.3	288.3	311.8	342.2	421.8	624.5	854.9
17.5°	430.1	401.1	462.1	464.1	423.6	468.0	552.5	661.2	997.4	2031.2	2708.9
15°	731.9	701.3	663.3	665.3	705.3	792.3	965.1	1567.1	3052.0	5258.5	7538.8
12.5°	1040.0	994.1	938.2	923.4	1010.6	1185.8	2001.3	4478.4	7975.0	11782.7	21550.4
10°	1283.1	1258.7	1207.1	1245.6	1391.4	1905.8	3573.6	7869.9	15085.2	27700.2	43265.9
7.5°	1425.8	1416.5	1430.4	1543.4	1781.0	3135.5	6802.4	13188.7	25078.6	44195.1	72238.1
5°	1569.0	1576.8	1618.9	1774.4	2078.6	3988.3	9600.7	18327.3	36312.0	64412.2	107838.6
2.5°	1727.7	1734.8	1791.5	1987.3	2335.3	4121.6	10266.7	21599.8	46040.4	82864.0	140428.8
0°	1910.3	1869.3	1886.4	2064.8	2424.1	4807.3	11848.3	23686.3	50955.0	90528.6	149241.7
-2.5°	1975.1	1887.5	1871.4	2022.1	2337.1	4260.1	10583.9	22026.0	46801.1	82935.6	139163.1
-5°	1931.1	1811.4	1763.4	1886.6	2185.7	3735.5	8899.4	20042.1	41552.2	70947.3	117921.4
-7.5°	1821.7	1706.9	1636.3	1729.0	1990.1	3078.1	6816.9	15177.2	30245.2	52493.3	83768.6
-10°	1727.8	1617.8	1510.1	1539.8	1720.6	2291.2	4243.8	9941.4	19982.5	35434.4	53257.8
-12.5°	1646.6	1554.3	1393.1	1344.2	1445.5	1713.2	2961.9	6775.9	12781.8	20100.8	32594.5
-15°	1562.5	1486.9	1325.9	1248.5	1284.6	1415.0	1753.3	3254.6	6998.7	11913.1	17295.3
-17.5°	1469.2	1417.4	1320.6	1206.1	1157.1	1209.5	1371.1	1834.7	3110.2	6173.0	9529.0
-20°	1406.0	1377.2	1306.2	1205.6	1142.7	1118.5	1174.5	1316.5	1629.7	2803.6	4249.4



REPORT NUMBER: P701341 (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°	1326.9	1314.9	1266.9	1238.2	1192.2	1140.2	1091.0	1135.0	1239.0	1399.0	1898.6
-25°	1252.0	1254.9	1258.0	1295.9	1288.5	1215.9	1122.6	1055.9	1090.9	1141.1	1242.2
-27.5°	1169.2	1210.3	1274.2	1345.4	1378.5	1317.0	1207.2	1107.1	1077.3	1048.0	1090.7
-30°	1096.4	1180.2	1248.6	1335.6	1392.6	1374.3	1317.7	1250.2	1177.1	1126.3	1109.6
-32.5°	908.6	1140.8	1204.1	1274.0	1359.3	1386.4	1379.9	1354.0	1322.7	1286.9	1249.8
-35°	706.2	963.9	1175.9	1216.2	1272.0	1352.3	1415.6	1420.0	1415.9	1402.8	1392.8
-37.5°	498.7	744.0	967.5	1146.8	1213.7	1267.2	1364.1	1438.2	1480.3	1476.9	1477.9
-40°	414.1	481.7	706.5	913.8	1067.5	1210.7	1288.0	1384.9	1462.0	1493.4	1517.3
-42.5°	399.5	425.7	452.6	608.1	805.9	979.3	1112.5	1235.6	1344.4	1421.9	1483.5
-45°	389.2	407.0	427.3	453.1	480.9	635.8	808.1	968.2	1072.9	1177.6	1286.9
-47.5°	388.8	393.2	407.6	425.8	443.5	468.6	497.3	536.4	652.2	757.4	868.5
-50°	377.2	394.8	399.6	405.2	416.5	430.3	443.9	457.9	471.1	479.4	490.7
-52.5°	342.9	365.6	386.9	403.5	407.8	412.0	415.9	425.0	433.9	441.2	449.5
-55°	301.4	325.5	348.9	368.0	385.2	401.4	413.5	415.5	418.2	421.4	426.5
-57.5°	256.7	280.0	302.2	322.2	341.0	358.5	371.1	380.5	389.2	397.6	408.3
-60°	210.5	231.2	251.4	270.8	289.3	307.0	318.6	328.1	336.3	344.5	355.6
-62.5°	165.3	181.1	199.5	216.9	233.0	248.2	260.2	270.4	278.9	287.4	297.7
-65°	128.6	140.3	153.9	166.6	178.5	192.5	205.5	216.2	224.7	233.1	242.3
-67.5°	91.7	102.7	115.4	127.2	138.3	149.0	159.8	170.0	179.6	189.1	198.7
-70°	61.3	69.0	78.2	88.3	98.7	108.4	117.7	126.6	135.1	143.7	151.9
-72.5°	38.0	42.8	47.9	54.7	61.6	68.4	75.1	81.7	88.2	95.9	103.5
-75°	21.7	23.6	27.5	31.2	34.8	38.1	40.9	43.3	45.3	49.8	54.8
-77.5°	18.2	19.1	20.2	21.2	22.2	23.6	25.2	26.8	28.4	32.1	36.1
-80°	14.2	14.8	15.5	16.2	17.0	18.1	19.2	20.2	21.2	23.9	26.7
-82.5°	10.5	10.8	11.1	11.3	11.6	12.4	13.3	14.1	14.9	17.1	19.4
-85°	7.6	7.7	7.8	7.9	8.0	8.7	9.5	10.2	10.9	13.1	15.3
-87.5°	6.0	6.0	6.0	6.0	6.0	6.8	7.5	8.1	8.7	11.1	13.4
-90°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.9	0.9



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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°	32.6	38.4	32.4	26.5	32.4	38.4	32.6	26.9	21.1	15.4	13.0
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
85°	1.1	0.9	0.9	0.9	0.9	0.9	1.1	1.3	1.5	1.6	1.6
82.5°	1.1	0.9	1.3	1.7	1.3	0.9	1.1	1.3	1.5	1.7	1.9
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.9
77.5°	1.9	1.7	1.7	1.7	1.7	1.7	1.9	2.1	2.3	2.4	2.4
75°	2.8	2.6	2.6	2.6	2.6	2.6	2.8	2.9	3.1	3.3	3.4
72.5°	5.2	5.1	5.1	5.1	5.1	5.1	5.2	5.3	5.4	5.5	5.6
70°	7.8	8.3	8.5	8.5	8.5	8.3	7.8	7.3	6.8	6.8	7.3
67.5°	6.4	6.1	6.0	6.0	6.0	6.1	6.4	6.6	6.8	7.2	8.0
65°	5.5	5.2	5.1	5.1	5.1	5.2	5.5	5.8	6.1	6.7	7.6
62.5°	4.9	5.1	5.1	5.1	5.1	5.1	4.9	4.8	4.8	5.4	6.2
60°	4.8	5.0	5.1	5.1	5.1	5.0	4.8	4.6	4.4	4.6	5.0
57.5°	4.8	5.0	5.1	5.1	5.1	5.0	4.8	4.6	4.3	4.6	4.9
55°	5.1	5.1	5.4	6.0	5.4	5.1	5.1	5.0	4.8	5.1	5.4
52.5°	5.9	5.9	6.0	6.0	6.0	5.9	5.9	5.8	5.7	5.8	5.9
50°	6.7	6.7	6.8	6.8	6.8	6.7	6.7	6.6	6.5	6.6	6.7
47.5°	8.2	8.4	8.5	8.5	8.5	8.4	8.2	8.0	7.8	7.7	7.6
45°	10.3	10.2	10.2	10.2	10.2	10.2	10.3	10.1	10.8	10.6	9.2
42.5°	13.7	14.1	14.4	14.5	14.4	14.1	13.7	13.2	14.7	16.8	18.3
40°	21.7	22.0	21.8	21.3	21.8	22.0	21.7	20.7	19.7	18.6	19.9
37.5°	29.5	30.1	30.5	30.7	30.5	30.1	29.5	29.2	28.9	27.1	27.7
35°	41.4	41.8	41.6	42.7	41.6	41.8	41.4	41.0	40.3	38.5	42.5
32.5°	67.4	67.8	65.8	66.6	65.8	67.8	67.4	64.4	59.7	57.9	61.4
30°	103.3	108.1	111.0	114.4	111.0	108.1	103.3	97.9	90.2	82.9	80.4
27.5°	157.3	168.9	176.5	181.0	176.5	168.9	157.3	144.0	125.8	116.6	99.6
25°	245.6	263.3	272.8	280.0	272.8	263.3	245.6	219.7	191.3	171.1	150.3
22.5°	477.1	544.6	582.3	618.0	582.3	544.6	477.1	373.7	298.7	254.0	226.1
20°	1223.3	1302.1	1450.6	1542.4	1450.6	1302.1	1223.3	854.9	624.5	421.8	342.2
17.5°	4120.8	5253.7	5465.2	5625.0	5465.2	5253.7	4120.8	2708.9	2031.2	997.4	661.2
15°	12271.9	15634.2	16539.1	17309.4	16539.1	15634.2	12271.9	7538.8	5258.5	3052.0	1567.1
12.5°	29629.8	38883.7	43916.9	47741.0	43916.9	38883.7	29629.8	21550.4	11782.7	7975.0	4478.4
10°	62078.7	80195.7	93946.6	101910.0	93946.6	80195.7	62078.7	43265.9	27700.2	15085.2	7869.9
7.5°	105717.6	136424.3	154374.3	163511.1	154374.3	136424.3	105717.6	72238.1	44195.1	25078.6	13188.7
5°	159451.8	199091.1	224142.3	237917.3	224142.3	199091.1	159451.8	107838.6	64412.2	36312.0	18327.3
2.5°	199170.4	250023.9	287574.8	305238.1	287574.8	250023.9	199170.4	140428.8	82864.0	46040.4	21599.8
0°	213552.0	266905.0	309831.5	335547.5	309831.5	266905.0	213552.0	149241.7	90528.6	50955.0	23686.3
-2.5°	199823.1	249910.0	283343.8	298902.0	283343.8	249910.0	199823.1	139163.1	82935.6	46801.1	22026.0
-5°	169921.1	213224.9	237251.2	247421.7	237251.2	213224.9	169921.1	117921.4	70947.3	41552.2	20042.1
-7.5°	120556.0	153588.4	170475.1	180493.1	170475.1	153588.4	120556.0	83768.6	52493.3	30245.2	15177.2
-10°	75901.6	94471.1	110624.3	117931.4	110624.3	94471.1	75901.6	53257.8	35434.4	19982.5	9941.4
-12.5°	44079.7	55836.3	65287.8	69302.7	65287.8	55836.3	44079.7	32594.5	20100.8	12781.8	6775.9
-15°	24359.7	30784.3	35135.8	36838.0	35135.8	30784.3	24359.7	17295.3	11913.1	6998.7	3254.6
-17.5°	13545.9	16663.5	17900.3	19883.7	17900.3	16663.5	13545.9	9529.0	6173.0	3110.2	1834.7
-20°	6636.3	8252.8	8771.1	10170.2	8771.1	8252.8	6636.3	4249.4	2803.6	1629.7	1316.5



REPORT NUMBER: P701341 (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°	2577.7	2959.3	3044.3	3707.9	3044.3	2959.3	2577.7	1898.6	1399.0	1239.0	1135.0
-25°	1338.7	1403.0	1432.9	1510.8	1432.9	1403.0	1338.7	1242.2	1141.1	1090.9	1055.9
-27.5°	1125.3	1156.5	1181.3	1218.9	1181.3	1156.5	1125.3	1090.7	1048.0	1077.3	1107.1
-30°	1096.8	1091.3	1092.0	1096.0	1092.0	1091.3	1096.8	1109.6	1126.3	1177.1	1250.2
-32.5°	1220.3	1201.3	1191.9	1156.6	1191.9	1201.3	1220.3	1249.8	1286.9	1322.7	1354.0
-35°	1386.8	1385.2	1386.4	1370.0	1386.4	1385.2	1386.8	1392.8	1402.8	1415.9	1420.0
-37.5°	1478.4	1481.0	1484.3	1479.2	1484.3	1481.0	1478.4	1477.9	1476.9	1480.3	1438.2
-40°	1525.6	1533.3	1538.7	1537.3	1538.7	1533.3	1525.6	1517.3	1493.4	1462.0	1384.9
-42.5°	1514.3	1533.3	1542.7	1545.8	1542.7	1533.3	1514.3	1483.5	1421.9	1344.4	1235.6
-45°	1386.9	1464.6	1511.5	1524.5	1511.5	1464.6	1386.9	1286.9	1177.6	1072.9	968.2
-47.5°	993.5	1108.5	1216.4	1311.1	1216.4	1108.5	993.5	868.5	757.4	652.2	536.4
-50°	504.8	517.8	544.4	583.0	544.4	517.8	504.8	490.7	479.4	471.1	457.9
-52.5°	457.8	465.3	472.7	479.7	472.7	465.3	457.8	449.5	441.2	433.9	425.0
-55°	431.4	436.0	439.4	442.1	439.4	436.0	431.4	426.5	421.4	418.2	415.5
-57.5°	417.5	425.2	431.7	437.0	431.7	425.2	417.5	408.3	397.6	389.2	380.5
-60°	365.4	373.8	381.7	388.4	381.7	373.8	365.4	355.6	344.5	336.3	328.1
-62.5°	306.6	314.0	321.7	328.6	321.7	314.0	306.6	297.7	287.4	278.9	270.4
-65°	250.5	257.7	264.1	269.7	264.1	257.7	250.5	242.3	233.1	224.7	216.2
-67.5°	207.6	215.8	223.9	231.3	223.9	215.8	207.6	198.7	189.1	179.6	170.0
-70°	159.3	166.1	171.8	176.7	171.8	166.1	159.3	151.9	143.7	135.1	126.6
-72.5°	110.4	116.7	123.9	130.6	123.9	116.7	110.4	103.5	95.9	88.2	81.7
-75°	59.6	64.2	68.5	72.6	68.5	64.2	59.6	54.8	49.8	45.3	43.3
-77.5°	40.0	44.0	46.8	49.5	46.8	44.0	40.0	36.1	32.1	28.4	26.8
-80°	29.5	32.2	34.5	36.7	34.5	32.2	29.5	26.7	23.9	21.2	20.2
-82.5°	21.6	23.8	25.6	27.3	25.6	23.8	21.6	19.4	17.1	14.9	14.1
-85°	17.4	19.6	21.3	23.0	21.3	19.6	17.4	15.3	13.1	10.9	10.2
-87.5°	15.7	18.0	19.2	20.5	19.2	18.0	15.7	13.4	11.1	8.7	8.1
-90°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	10.7	8.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
87.5°	1.3	1.5	1.7	1.9	2.2	2.4	2.6	2.6	2.6	2.6	2.6
85°	1.7	1.7	1.7	1.9	2.2	2.4	2.6	2.7	2.8	2.9	2.9
82.5°	2.1	2.2	2.4	2.4	2.4	2.5	2.6	2.8	3.0	3.2	3.4
80°	2.2	2.4	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.2	3.4
77.5°	2.5	2.5	2.7	3.0	3.2	3.4	3.5	3.6	3.8	3.8	3.9
75°	3.4	3.4	3.5	3.9	4.1	4.2	4.2	4.1	4.1	4.2	4.3
72.5°	5.7	5.6	5.9	6.3	6.6	6.9	6.8	6.2	5.6	4.8	4.3
70°	7.7	8.1	9.0	10.2	11.1	11.5	11.3	10.5	9.0	7.8	6.6
67.5°	8.7	9.4	10.8	12.6	14.0	15.2	16.4	16.9	16.2	14.6	10.8
65°	8.6	9.7	10.8	11.8	13.4	15.7	19.8	21.9	22.4	21.6	16.8
62.5°	7.2	8.3	9.0	9.8	11.0	13.4	18.9	23.4	26.8	26.8	21.3
60°	5.5	6.0	6.8	7.7	8.6	11.2	16.2	22.2	29.0	27.4	23.5
57.5°	5.1	5.4	6.0	6.4	6.7	8.8	12.6	18.0	24.4	24.4	22.8
55°	5.8	6.1	6.4	6.6	6.8	7.7	9.2	12.5	17.3	18.6	18.3
52.5°	6.0	6.4	6.9	7.4	7.5	7.5	8.0	9.7	11.2	13.1	14.0
50°	6.7	6.9	7.2	7.6	7.8	7.7	7.8	8.3	9.2	10.1	10.7
47.5°	7.7	7.7	7.6	7.7	8.1	8.1	8.0	8.0	8.7	9.1	9.6
45°	9.3	9.3	9.0	9.3	9.1	9.0	8.7	9.1	9.1	9.4	9.4
42.5°	16.8	13.5	11.2	12.3	12.6	11.8	10.6	10.9	10.7	10.3	11.0
40°	23.1	26.3	22.8	18.3	17.2	16.6	15.2	13.6	13.1	12.1	13.5
37.5°	27.5	26.8	32.9	35.4	28.5	23.1	21.2	18.3	16.3	16.8	17.8
35°	42.0	40.6	41.2	44.3	46.4	39.9	31.1	25.2	22.0	22.7	23.0
32.5°	64.2	60.0	59.8	58.3	61.0	60.4	49.8	37.4	32.2	30.5	29.1
30°	81.7	77.4	72.4	81.4	86.3	82.4	71.8	63.6	52.3	40.2	36.4
27.5°	102.7	99.7	91.8	109.8	119.7	113.2	106.4	98.7	78.6	59.2	47.6
25°	143.0	133.4	139.7	152.1	160.4	155.4	147.6	136.9	115.8	87.5	71.6
22.5°	201.3	197.6	197.7	197.7	219.3	213.3	192.5	176.9	172.8	159.9	119.7
20°	311.8	288.3	269.3	297.5	319.4	286.2	244.8	263.5	295.9	265.6	185.3
17.5°	552.5	468.0	423.6	464.1	462.1	401.1	430.1	442.9	442.7	397.2	264.1
15°	965.1	792.3	705.3	665.3	663.3	701.3	731.9	652.8	611.7	539.6	393.0
12.5°	2001.3	1185.8	1010.6	923.4	938.2	994.1	1040.0	929.1	809.1	746.2	609.8
10°	3573.6	1905.8	1391.4	1245.6	1207.1	1258.7	1283.1	1172.7	1035.6	974.0	841.2
7.5°	6802.4	3135.5	1781.0	1543.4	1430.4	1416.5	1425.8	1360.5	1248.7	1193.8	1080.2
5°	9600.7	3988.3	2078.6	1774.4	1618.9	1576.8	1569.0	1514.1	1451.1	1406.7	1318.3
2.5°	10266.7	4121.6	2335.3	1987.3	1791.5	1734.8	1727.7	1640.1	1586.4	1519.9	1422.8
0°	11848.3	4807.3	2424.1	2064.8	1886.4	1869.3	1910.3	1755.8	1690.9	1611.5	1509.1
-2.5°	10583.9	4260.1	2337.1	2022.1	1871.4	1887.5	1975.1	1859.3	1762.1	1642.9	1489.6
-5°	8899.4	3735.5	2185.7	1886.6	1763.4	1811.4	1931.1	1875.5	1776.2	1649.3	1442.8
-7.5°	6816.9	3078.1	1990.1	1729.0	1636.3	1706.9	1821.7	1788.9	1683.4	1574.8	1347.3
-10°	4243.8	2291.2	1720.6	1539.8	1510.1	1617.8	1727.8	1689.7	1591.7	1498.4	1236.2
-12.5°	2961.9	1713.2	1445.5	1344.2	1393.1	1554.3	1646.6	1582.1	1503.9	1422.6	1114.0
-15°	1753.3	1415.0	1284.6	1248.5	1325.9	1486.9	1562.5	1500.3	1439.8	1348.6	984.7
-17.5°	1371.1	1209.5	1157.1	1206.1	1320.6	1417.4	1469.2	1435.2	1364.4	1225.4	829.3
-20°	1174.5	1118.5	1142.7	1205.6	1306.2	1377.2	1406.0	1363.8	1273.4	1033.2	671.0



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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°	1091.0	1140.2	1192.2	1238.2	1266.9	1314.9	1326.9	1279.5	1170.5	830.1	517.0
-25°	1122.6	1215.9	1288.5	1295.9	1258.0	1254.9	1252.0	1184.8	966.1	642.7	387.6
-27.5°	1207.2	1317.0	1378.5	1345.4	1274.2	1210.3	1169.2	1067.9	756.5	495.2	364.6
-30°	1317.7	1374.3	1392.6	1335.6	1248.6	1180.2	1096.4	838.7	583.2	382.5	347.5
-32.5°	1379.9	1386.4	1359.3	1274.0	1204.1	1140.8	908.6	629.1	421.7	364.3	338.5
-35°	1415.6	1352.3	1272.0	1216.2	1175.9	963.9	706.2	469.2	376.1	348.7	331.5
-37.5°	1364.1	1267.2	1213.7	1146.8	967.5	744.0	498.7	395.8	360.3	340.8	329.3
-40°	1288.0	1210.7	1067.5	913.8	706.5	481.7	414.1	381.1	356.3	336.6	329.6
-42.5°	1112.5	979.3	805.9	608.1	452.6	425.7	399.5	374.4	355.3	341.7	314.6
-45°	808.1	635.8	480.9	453.1	427.3	407.0	389.2	374.2	361.3	329.8	294.8
-47.5°	497.3	468.6	443.5	425.8	407.6	393.2	388.8	379.7	343.6	308.8	273.6
-50°	443.9	430.3	416.5	405.2	399.6	394.8	377.2	352.1	317.2	282.4	248.8
-52.5°	415.9	412.0	407.8	403.5	386.9	365.6	342.9	316.1	285.1	251.7	219.3
-55°	413.5	401.4	385.2	368.0	348.9	325.5	301.4	276.0	248.0	217.2	189.2
-57.5°	371.1	358.5	341.0	322.2	302.2	280.0	256.7	232.6	209.4	183.6	158.6
-60°	318.6	307.0	289.3	270.8	251.4	231.2	210.5	190.2	170.4	151.4	131.3
-62.5°	260.2	248.2	233.0	216.9	199.5	181.1	165.3	151.5	137.0	120.9	102.5
-65°	205.5	192.5	178.5	166.6	153.9	140.3	128.6	116.2	103.0	88.8	73.1
-67.5°	159.8	149.0	138.3	127.2	115.4	102.7	91.7	80.5	70.7	60.9	49.7
-70°	117.7	108.4	98.7	88.3	78.2	69.0	61.3	53.5	45.0	38.2	32.4
-72.5°	75.1	68.4	61.6	54.7	47.9	42.8	38.0	33.2	28.5	23.9	20.5
-75°	40.9	38.1	34.8	31.2	27.5	23.6	21.7	20.7	19.6	18.4	17.1
-77.5°	25.2	23.6	22.2	21.2	20.2	19.1	18.2	17.2	16.2	15.3	14.5
-80°	19.2	18.1	17.0	16.2	15.5	14.8	14.2	13.6	13.0	12.6	12.2
-82.5°	13.3	12.4	11.6	11.3	11.1	10.8	10.5	10.3	10.1	9.9	9.8
-85°	9.5	8.7	8.0	7.9	7.8	7.7	7.6	7.7	7.8	7.8	7.9
-87.5°	7.5	6.8	6.0	6.0	6.0	6.0	6.0	6.2	6.3	6.4	6.6
-90°	1.3	1.5	1.7	1.9	2.2	2.4	2.6	2.6	2.6	2.6	2.6



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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°	5.8	5.6	5.3	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
87.5°	2.8	3.0	3.2	3.4	3.6	3.9	4.1	4.3	4.3	4.3	4.3
85°	3.0	3.1	3.2	3.4	3.6	3.9	4.1	4.3	4.3	4.3	4.3
82.5°	3.4	3.4	3.4	3.4	3.6	3.9	4.1	4.3	4.3	4.3	4.3
80°	3.6	3.7	3.7	3.7	3.8	3.9	4.1	4.3	4.3	4.3	4.3
77.5°	3.9	4.0	4.1	4.2	4.1	4.1	4.2	4.3	4.3	4.3	4.3
75°	4.3	4.2	4.2	4.3	4.4	4.3	4.3	4.3	4.4	4.3	4.3
72.5°	4.3	4.3	4.3	4.4	4.5	4.5	4.4	4.4	4.5	4.5	4.3
70°	5.5	4.5	4.3	4.4	4.6	4.8	4.8	4.7	4.6	4.6	4.5
67.5°	7.7	6.4	5.3	4.6	4.7	4.9	5.0	5.0	4.9	4.8	4.8
65°	12.4	9.0	6.7	5.8	5.1	4.9	5.1	5.3	5.3	5.1	5.0
62.5°	16.4	12.0	9.0	7.1	5.9	5.4	5.1	5.4	5.6	5.4	5.2
60°	19.7	14.7	11.3	9.1	7.2	5.9	5.5	5.6	5.7	5.7	5.5
57.5°	19.1	16.4	14.0	11.3	8.9	6.9	6.0	5.9	6.0	6.0	5.8
55°	17.0	15.2	15.7	13.7	10.8	8.3	6.8	6.3	6.2	6.2	6.1
52.5°	13.3	14.4	15.9	15.5	13.0	9.9	8.1	6.8	6.6	6.5	6.5
50°	10.7	12.9	15.7	16.6	15.0	11.9	9.4	7.8	7.0	6.8	6.8
47.5°	10.3	12.3	14.4	17.4	16.7	13.7	10.8	8.8	7.4	7.1	7.3
45°	11.2	12.8	14.0	16.3	18.2	15.0	12.2	9.8	8.2	7.6	7.7
42.5°	12.7	14.0	15.0	15.3	17.4	16.1	13.4	10.8	9.0	8.2	8.3
40°	14.9	15.9	16.4	16.7	16.7	16.8	14.1	11.7	9.8	9.0	8.8
37.5°	17.6	18.3	18.4	19.1	17.2	16.7	14.7	12.5	10.9	9.9	9.4
35°	22.3	21.2	21.9	22.3	20.1	17.1	15.0	13.0	12.2	10.9	10.0
32.5°	27.8	26.4	26.9	26.0	23.6	18.0	15.4	14.4	13.5	11.8	10.7
30°	35.3	36.0	32.9	30.3	27.7	21.3	17.1	16.0	14.9	12.7	11.4
27.5°	49.4	47.9	40.7	36.0	31.8	25.6	20.3	17.8	16.5	13.8	12.2
25°	67.4	62.1	52.3	42.8	36.2	38.5	24.1	19.8	18.0	15.0	13.0
22.5°	91.4	78.6	65.3	50.2	55.2	55.5	31.4	22.9	19.6	16.3	13.7
20°	118.7	96.9	84.9	79.7	78.0	72.6	43.9	26.2	21.3	17.6	14.4
17.5°	154.0	135.5	131.9	116.0	103.1	91.3	58.7	29.6	23.1	18.9	15.1
15°	259.9	198.5	182.1	156.0	129.8	111.3	75.1	33.2	24.9	20.2	15.4
12.5°	397.5	263.6	234.7	198.7	157.6	132.2	92.8	36.8	26.7	20.8	15.2
10°	552.3	330.0	289.0	243.2	186.2	153.8	111.0	40.3	27.5	20.7	15.0
7.5°	717.1	396.8	344.2	288.6	214.1	173.9	129.2	43.4	28.2	20.6	14.7
5°	866.6	451.6	387.8	323.0	236.2	191.7	146.6	46.6	28.9	20.4	14.4
2.5°	931.6	486.1	422.9	354.0	257.4	208.7	162.7	49.5	29.5	20.0	14.1
0°	979.0	518.1	455.8	382.4	277.4	224.5	176.7	52.1	29.9	19.6	13.7
-2.5°	933.7	513.0	448.5	381.2	284.0	227.8	177.4	60.2	35.8	23.1	15.1
-5°	874.1	505.3	439.4	377.5	288.8	229.8	175.7	67.7	41.4	26.5	16.5
-7.5°	822.0	485.8	425.9	370.9	291.6	230.2	172.2	74.6	46.5	29.5	17.7
-10°	755.8	459.0	406.5	355.5	287.4	228.9	167.6	80.6	51.2	32.1	18.7
-12.5°	669.1	431.5	386.8	340.3	281.3	226.3	163.6	86.4	55.3	34.3	19.6
-15°	560.9	403.8	367.3	326.1	274.3	222.8	159.0	91.4	59.5	36.5	20.2
-17.5°	432.8	376.3	348.4	313.6	266.8	218.5	154.0	95.3	63.0	38.9	21.2
-20°	394.8	356.9	330.6	303.6	258.9	213.6	149.0	98.0	65.8	40.6	22.3



REPORT NUMBER: P701341 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	374.7	344.5	321.1	293.3	251.1	208.2	144.4	99.5	67.7	41.6	22.9
-25°	354.1	332.6	314.1	283.4	243.6	199.8	142.6	99.6	68.8	41.8	23.0
-27.5°	339.0	322.6	308.6	272.9	234.7	192.8	142.1	100.4	68.9	41.2	22.5
-30°	327.3	317.0	297.8	261.9	224.8	182.8	140.0	100.2	68.1	40.4	21.4
-32.5°	321.5	313.6	285.1	250.2	213.1	172.0	133.5	98.7	66.2	39.2	20.8
-35°	321.5	303.7	272.0	237.5	200.4	162.0	125.4	96.1	63.1	37.1	20.1
-37.5°	320.4	289.5	257.4	223.7	187.3	151.1	117.7	88.8	58.8	34.1	19.0
-40°	303.7	273.3	241.5	209.0	174.4	139.6	108.8	80.4	54.3	30.2	17.5
-42.5°	285.7	255.0	223.9	193.4	161.0	128.4	98.7	71.2	47.7	27.3	15.7
-45°	264.7	234.8	204.4	176.0	147.0	115.9	87.6	61.4	40.2	24.6	14.2
-47.5°	241.9	212.0	183.8	157.2	131.2	102.1	75.5	52.5	32.3	21.5	13.7
-50°	215.4	187.8	162.0	137.6	113.0	87.7	63.1	42.9	27.8	17.5	13.1
-52.5°	189.2	162.7	140.0	117.6	95.0	72.3	51.7	33.2	23.0	15.6	12.4
-55°	161.9	138.5	118.3	97.4	76.4	58.0	39.6	27.5	18.0	14.4	11.6
-57.5°	136.8	115.5	96.0	76.6	59.5	43.6	30.8	21.6	15.8	13.3	11.2
-60°	111.4	91.4	72.8	58.0	43.6	32.1	23.8	16.9	14.5	12.2	10.6
-62.5°	84.3	67.2	53.5	40.6	31.4	24.1	17.5	15.4	13.1	11.5	10.0
-65°	60.2	47.3	35.2	29.1	22.7	17.6	15.8	13.8	12.2	10.8	9.4
-67.5°	38.4	31.9	25.5	19.8	17.3	15.7	14.1	12.7	11.4	10.0	9.0
-70°	26.6	21.0	18.2	16.6	15.2	13.8	12.8	11.7	10.5	9.5	8.6
-72.5°	18.8	17.2	15.7	14.3	13.5	12.6	11.7	10.8	9.9	9.0	8.1
-75°	15.7	14.7	13.7	12.9	12.1	11.4	10.8	10.1	9.3	8.5	7.6
-77.5°	13.7	12.9	12.1	11.5	10.9	10.4	9.9	9.5	8.7	7.8	7.1
-80°	11.6	11.0	10.5	10.1	9.7	9.4	9.0	8.5	7.8	7.1	6.6
-82.5°	9.5	9.2	8.9	8.7	8.4	8.1	7.8	7.5	6.9	6.4	6.1
-85°	7.7	7.5	7.4	7.2	7.0	6.8	6.7	6.5	6.2	6.0	5.8
-87.5°	6.5	6.4	6.2	6.1	6.0	5.9	5.9	5.8	5.7	5.5	5.4
-90°	2.8	3.0	3.2	3.4	3.6	3.9	4.1	4.3	4.3	4.3	4.3



REPORT NUMBER: P701341 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.1	4.9	4.7	4.5	4.3	4.3	4.3
87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
80°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
77.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
75°	4.3	4.4	4.3	4.3	4.3	4.3	4.3
72.5°	4.4	4.6	4.5	4.3	4.3	4.3	4.3
70°	4.5	4.7	4.6	4.3	4.3	4.3	4.3
67.5°	4.7	4.8	4.8	4.5	4.3	4.3	4.3
65°	4.9	5.0	5.0	4.7	4.3	4.3	4.3
62.5°	5.2	5.2	5.2	4.8	4.3	4.3	4.3
60°	5.4	5.4	5.4	5.0	4.3	4.3	4.3
57.5°	5.7	5.6	5.5	5.2	4.4	4.3	4.3
55°	6.0	5.8	5.7	5.4	4.5	4.3	4.3
52.5°	6.3	6.0	5.8	5.6	4.6	4.3	4.3
50°	6.7	6.3	6.0	5.8	4.7	4.3	4.3
47.5°	7.0	6.6	6.1	5.9	4.8	4.3	4.3
45°	7.4	6.9	6.3	6.0	4.9	4.3	4.3
42.5°	7.8	7.2	6.4	6.2	5.0	4.3	4.3
40°	8.3	7.5	6.6	6.2	5.0	4.3	4.3
37.5°	8.8	7.8	6.9	6.2	5.1	4.3	4.3
35°	9.3	8.1	7.1	6.2	5.1	4.3	4.3
32.5°	9.8	8.5	7.3	6.3	5.2	4.3	4.3
30°	10.4	8.9	7.6	6.3	5.2	4.3	4.3
27.5°	10.9	9.3	7.6	6.3	5.2	4.3	4.3
25°	11.5	9.7	7.7	6.3	5.3	4.3	4.3
22.5°	12.0	10.0	7.7	6.3	5.3	4.3	4.3
20°	12.6	10.0	7.6	6.3	5.3	4.3	4.3
17.5°	12.7	9.9	7.6	6.2	5.3	4.3	4.3
15°	12.5	9.8	7.5	6.2	5.3	4.3	4.3
12.5°	12.2	9.7	7.4	6.2	5.2	4.3	4.3
10°	11.9	9.5	7.3	6.2	5.2	4.3	4.3
7.5°	11.5	9.3	7.2	6.1	5.2	4.3	4.3
5°	11.1	9.0	7.1	6.1	5.2	4.3	4.3
2.5°	10.7	8.8	6.9	6.1	5.1	4.3	4.3
0°	10.2	8.5	6.8	6.0	5.1	4.3	4.3
-2.5°	10.7	8.6	6.9	6.0	5.1	4.3	4.3
-5°	11.1	8.7	6.9	6.0	5.1	4.3	4.3
-7.5°	11.5	8.7	7.0	6.0	5.1	4.4	4.3
-10°	11.8	8.8	7.0	6.0	5.1	4.4	4.3
-12.5°	12.0	8.8	7.1	5.9	5.1	4.4	4.3
-15°	12.2	8.8	7.1	5.9	5.1	4.4	4.3
-17.5°	12.3	8.8	7.1	5.9	5.0	4.4	4.3
-20°	12.4	8.8	7.1	5.8	5.0	4.4	4.3



REPORT NUMBER: P701341 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	12.8	8.7	7.0	5.8	5.0	4.4	4.3
-25°	12.9	8.8	7.0	5.7	5.0	4.5	4.3
-27.5°	12.8	8.9	6.9	5.7	5.0	4.5	4.3
-30°	12.5	8.9	6.8	5.6	5.0	4.5	4.3
-32.5°	11.9	8.9	6.8	5.6	5.0	4.5	4.3
-35°	11.7	8.8	6.7	5.5	5.0	4.5	4.3
-37.5°	11.6	8.7	6.7	5.4	5.0	4.5	4.3
-40°	11.4	8.7	6.6	5.4	5.0	4.5	4.3
-42.5°	11.1	8.5	6.5	5.3	5.0	4.5	4.3
-45°	10.8	8.4	6.5	5.3	5.0	4.5	4.3
-47.5°	10.4	8.2	6.5	5.3	5.0	4.5	4.3
-50°	10.1	8.0	6.4	5.3	5.0	4.5	4.3
-52.5°	9.8	7.8	6.4	5.3	5.0	4.5	4.3
-55°	9.5	7.6	6.3	5.3	5.0	4.5	4.3
-57.5°	9.1	7.5	6.2	5.4	5.0	4.5	4.3
-60°	8.7	7.3	6.1	5.4	5.0	4.5	4.3
-62.5°	8.4	7.1	6.0	5.4	5.0	4.5	4.3
-65°	8.2	6.9	5.9	5.3	4.9	4.5	4.3
-67.5°	7.9	6.7	5.9	5.3	4.9	4.4	4.3
-70°	7.5	6.5	5.8	5.3	4.8	4.4	4.3
-72.5°	7.2	6.3	5.7	5.2	4.8	4.4	4.3
-75°	6.8	6.1	5.5	5.1	4.7	4.4	4.3
-77.5°	6.4	5.8	5.4	5.0	4.6	4.4	4.3
-80°	6.0	5.6	5.3	4.9	4.6	4.4	4.3
-82.5°	5.8	5.5	5.1	4.8	4.5	4.4	4.3
-85°	5.6	5.3	5.0	4.7	4.4	4.3	4.3
-87.5°	5.3	5.1	4.8	4.6	4.4	4.3	4.3
-90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

