

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: P701325 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-70-3S-CV5-S**

Issue Date: 8/29/2023

Test Information

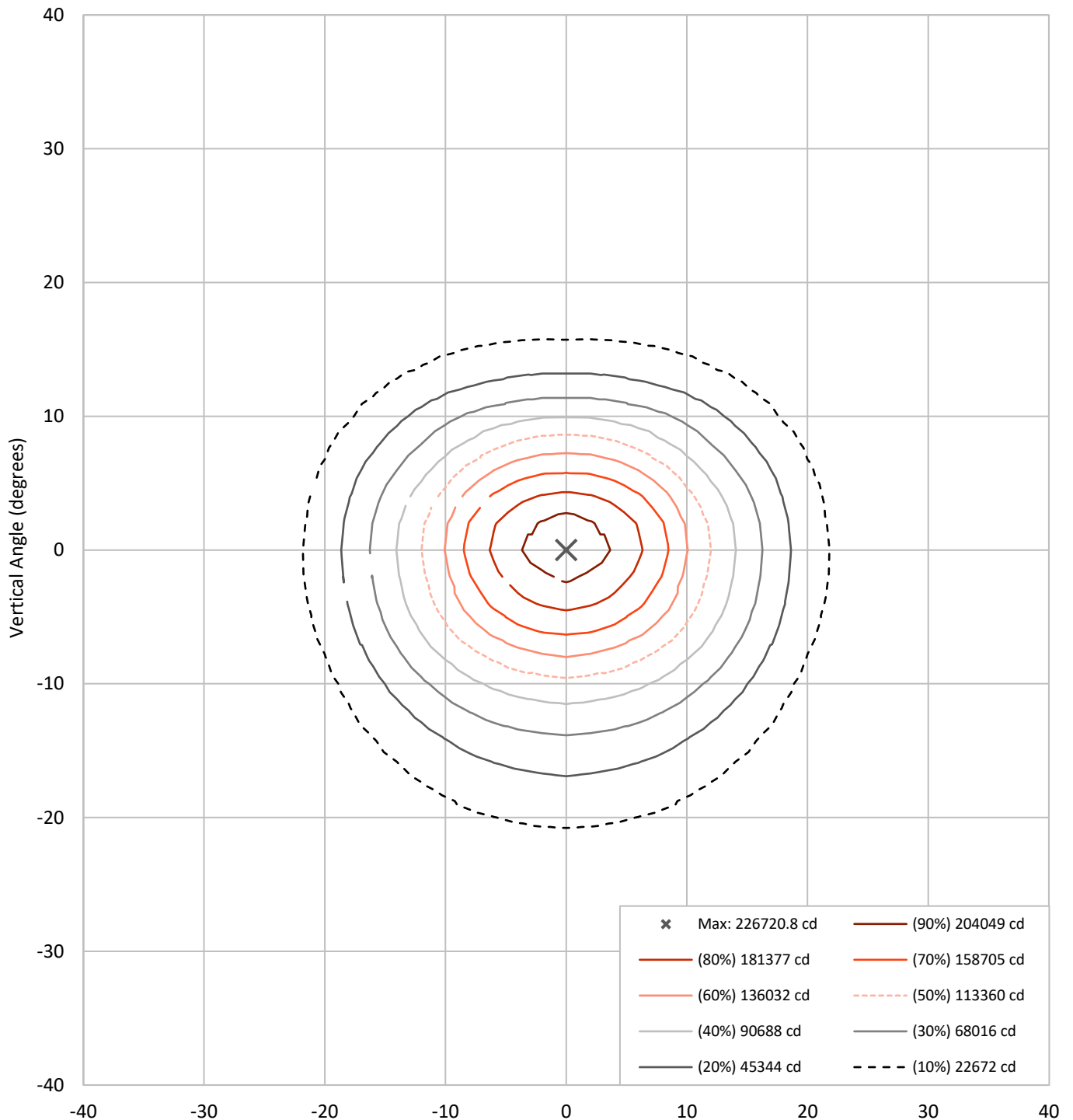
Test Method: LM-79-08
Report Number: P701325 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-70-3S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 3S 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:	37902.1 lumens	Max Intensity:	226720.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	110.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	16213.6 lumens	Field Lumens:	32391.1 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%
Input Watts (W):	344.2		
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





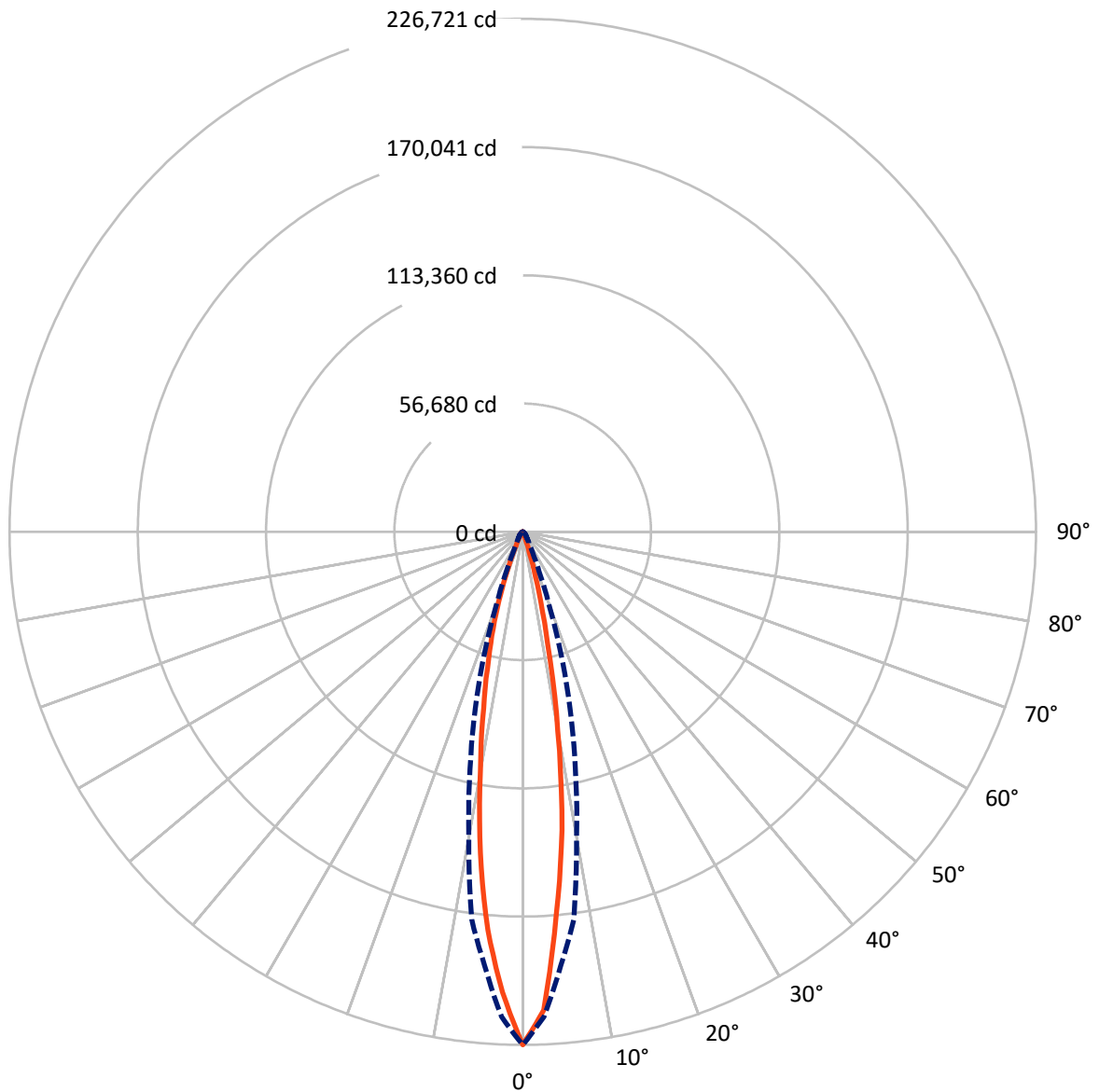
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Lumen Table

90	0.1		0.3		0.5		0.5		0.6		0.5		0.5		0.3		0.1		
80	0.1		0.3		0.5		0.5		0.6		0.5		0.5		0.3		0.1		
70	0.1	0.1	0.1	0.4	0.5	0.3	0.2	0.2	0.2	0.2	0.3	0.5	0.4	0.1	0.1	0.1			
60		0.1	0.3	0.4	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.3	0.1				
50	0.1	0.1	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.1	0.1			
40		0.1	0.4	0.6	1.0	1.5	1.9	2.4	2.4	1.9	1.5	1.0	0.6	0.4	0.1				
30	0.2	0.3	1.1	2.6	5.0	7.6	17.2	34.7	34.7	17.2	7.6	5.0	2.6	1.1	0.3	0.2			
20		0.7	3.9	12.4	27.3	73.2	406.0	929.0	929.0	406.0	73.2	27.3	12.4	3.9	0.7				
10	0.2	1.4	8.2	29.5	68.7	302.3	1896.1	4425.8	4425.8	1896.1	302.3	68.7	29.5	8.2	1.4	0.2			
0		1.8	9.8	34.5	77.1	322.2	2022.3	4558.5	4558.5	2022.3	322.2	77.1	34.5	9.8	1.8				
-10	0.4	2.0	8.4	26.2	54.7	138.9	734.2	1652.4	1652.4	734.2	138.9	54.7	26.2	8.4	2.0	0.4			
-20		1.9	6.8	16.4	38.7	65.5	142.2	285.9	285.9	142.2	65.5	38.7	16.4	6.8	1.9				
-30	0.3	1.7	5.4	11.5	25.0	45.2	61.4	71.6	71.6	61.4	45.2	25.0	11.5	5.4	1.7	0.3			
-40		1.2	4.0	8.7	15.6	25.3	38.8	48.8	48.8	38.8	25.3	15.6	8.7	4.0	1.2				
-50	0.2	0.6	2.4	5.5	9.9	14.5	18.4	20.7	20.7	18.4	14.5	9.9	5.5	2.4	0.6	0.2			
-60		0.2	0.8	2.4	4.5	6.9	9.2	10.6	10.6	9.2	6.9	4.5	2.4	0.8	0.2				
-70	0.1	0.6		1.8		4.9		7.5		4.9		1.8		0.6		0.1			
-80		0.6		1.8		4.9		7.5		4.9		1.8		0.6					
-90	0.1		0.6		1.8		4.9		7.5		4.9		1.8		0.6		0.1		

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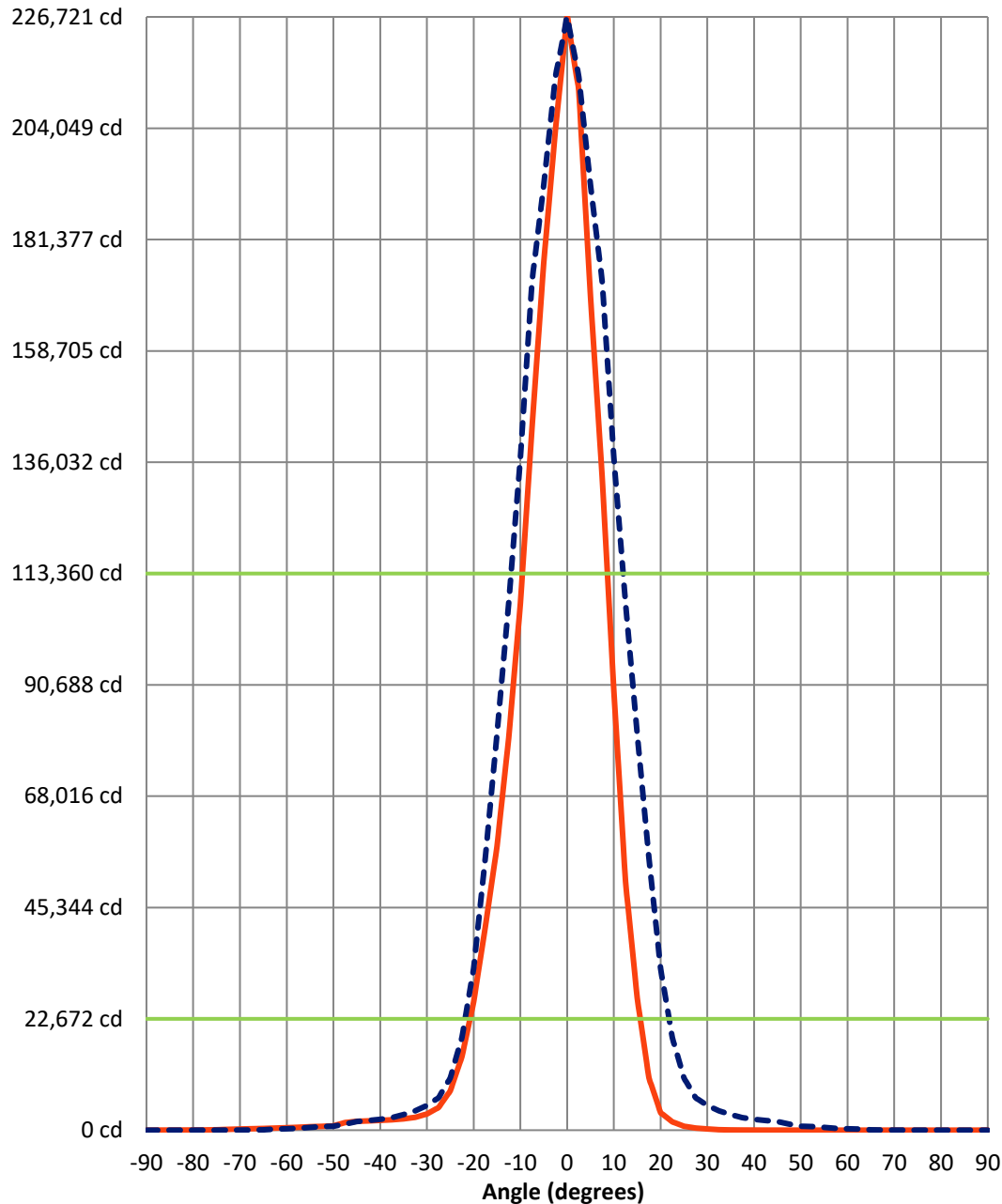
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24°
 V Angle: 18.2°
 Lumens: 16213.6
 Efficiency: 42.8%

Field:
 H Angle: 43.7°
 V Angle: 36.4°
 Lumens: 32391.1
 Efficiency: 85.5%

Spill:
 Lumens: 5511
 Efficiency: 14.5%

— 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	4.8	4.8	4.8	4.8
77.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
70°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.2
67.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.2	5.7
65°	4.8	4.8	4.8	4.8	4.8	4.8	4.9	4.8	5.2	5.7	5.9
62.5°	4.8	4.8	4.8	4.8	4.8	4.9	4.9	5.0	5.6	6.0	5.6
60°	4.8	4.8	4.8	4.8	4.8	5.0	5.0	5.4	5.9	5.8	5.3
57.5°	4.8	4.8	4.8	4.8	4.9	5.2	5.3	5.7	5.9	5.6	5.2
55°	4.8	4.8	4.8	4.8	5.0	5.3	5.5	6.0	5.9	5.6	5.3
52.5°	4.8	4.8	4.9	4.8	5.2	5.4	5.7	6.0	5.9	5.6	5.4
50°	4.8	4.8	4.9	4.8	5.3	5.6	5.9	6.1	5.9	5.7	6.5
47.5°	4.8	4.8	4.9	4.8	5.4	5.7	6.0	6.2	6.0	5.8	7.5
45°	4.8	4.8	4.9	4.9	5.6	5.8	6.1	6.3	6.1	6.4	8.2
42.5°	4.8	4.8	5.0	5.0	5.7	5.9	6.2	6.4	6.3	6.8	9.0
40°	4.8	4.8	5.0	5.2	5.8	5.9	6.4	6.6	6.5	7.0	9.8
37.5°	4.8	4.8	5.1	5.3	5.9	6.0	6.5	6.8	7.0	7.8	10.5
35°	4.8	4.8	5.1	5.4	5.9	6.1	6.7	7.0	7.6	9.0	10.9
32.5°	4.8	4.8	5.2	5.5	6.0	6.2	6.9	7.2	8.1	10.3	12.0
30°	4.8	4.8	5.2	5.6	6.0	6.3	7.0	7.5	8.7	11.6	13.3
27.5°	4.8	4.8	5.3	5.7	6.0	6.5	7.2	8.0	9.5	13.0	14.8
25°	4.8	4.8	5.4	5.8	6.0	6.6	7.5	8.5	10.6	14.3	16.7
22.5°	4.8	4.8	5.4	5.8	6.0	6.7	7.7	8.9	11.7	15.7	20.1
20°	4.8	4.8	5.5	5.9	6.0	6.8	7.9	9.4	12.8	17.2	23.9
17.5°	4.8	4.8	5.6	5.9	6.0	6.9	8.1	9.9	13.9	18.8	27.9
15°	4.8	4.8	5.6	6.0	6.0	7.0	8.1	10.4	14.9	20.5	32.2
12.5°	4.8	4.8	5.7	6.0	6.0	7.1	8.2	11.0	16.1	22.2	36.5
10°	4.8	4.8	5.8	6.0	6.0	7.1	8.3	11.7	17.3	25.0	41.9
7.5°	4.8	4.8	5.8	6.0	6.0	7.1	8.3	12.4	18.5	28.1	49.3
5°	4.8	4.8	5.9	6.0	6.0	7.2	8.4	13.1	19.6	31.2	56.7
2.5°	4.8	4.8	5.9	6.0	6.0	7.2	8.4	13.8	20.7	34.2	63.9
0°	4.8	4.8	6.0	6.0	6.0	7.2	8.4	14.4	21.6	37.1	70.6
-2.5°	4.8	4.8	6.0	6.0	6.1	7.5	9.5	17.2	27.4	45.6	80.9
-5°	4.8	4.8	6.0	6.0	6.2	7.7	10.6	19.8	32.9	53.7	90.3
-7.5°	4.8	4.8	6.0	6.0	6.3	7.9	11.6	22.2	38.1	61.3	99.0
-10°	4.8	4.8	6.0	6.0	6.4	8.1	12.5	24.3	42.7	68.2	106.8
-12.5°	4.8	4.8	5.9	6.0	6.5	8.3	13.2	26.1	46.7	74.4	113.8
-15°	4.8	4.8	5.9	6.0	6.5	8.4	13.8	27.4	50.4	80.0	119.9
-17.5°	4.8	4.8	5.9	6.0	6.6	8.5	14.2	29.0	53.8	84.9	124.8
-20°	4.8	4.8	5.9	6.0	6.6	8.6	14.6	30.4	56.4	88.9	128.4



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 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV5-S

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	5.8	6.0	6.6	8.6	15.1	31.2	58.0	91.9	130.7
-25°	4.8	4.8	5.8	6.0	6.6	8.7	15.2	31.3	58.6	94.0	131.6
-27.5°	4.8	4.8	5.7	6.0	6.6	8.8	14.8	30.6	58.2	95.0	133.4
-30°	4.8	4.8	5.7	6.0	6.6	8.8	14.1	29.1	57.2	94.3	134.1
-32.5°	4.8	4.8	5.6	6.0	6.6	8.7	12.9	28.0	55.4	92.2	133.5
-35°	4.8	4.8	5.6	6.0	6.6	8.6	12.4	26.6	52.4	88.6	131.6
-37.5°	4.8	4.8	5.5	6.0	6.5	8.4	12.2	24.5	48.3	83.4	122.7
-40°	4.8	4.8	5.4	6.0	6.4	8.3	11.9	21.7	42.9	77.4	111.9
-42.5°	4.8	4.8	5.4	6.0	6.4	8.2	11.4	18.2	38.1	68.0	99.9
-45°	4.8	4.8	5.3	6.0	6.4	8.1	10.9	15.5	33.3	57.5	87.0
-47.5°	4.8	4.8	5.2	6.0	6.4	7.8	10.3	14.7	27.5	46.3	74.3
-50°	4.8	4.8	5.1	5.9	6.4	7.6	9.9	13.8	20.4	38.2	60.8
-52.5°	4.8	4.8	5.1	5.8	6.3	7.3	9.5	12.8	17.1	29.8	47.0
-55°	4.8	4.8	5.0	5.7	6.2	7.1	9.0	11.7	15.5	20.9	37.1
-57.5°	4.8	4.8	4.9	5.6	6.1	6.9	8.5	10.9	13.9	17.5	26.8
-60°	4.8	4.8	4.8	5.5	6.0	6.7	7.9	10.1	12.4	15.6	19.0
-62.5°	4.8	4.8	4.8	5.4	5.9	6.4	7.5	9.2	11.4	13.7	16.8
-65°	4.8	4.8	4.8	5.3	5.8	6.2	7.1	8.4	10.3	12.3	14.6
-67.5°	4.8	4.8	4.8	5.2	5.7	6.0	6.6	7.8	9.3	11.2	13.0
-70°	4.8	4.8	4.8	5.1	5.6	5.9	6.1	7.2	8.6	9.9	11.6
-72.5°	4.8	4.8	4.8	5.0	5.5	5.8	6.0	6.6	7.9	9.1	10.4
-75°	4.8	4.8	4.8	5.0	5.4	5.7	6.0	6.4	7.1	8.3	9.4
-77.5°	4.8	4.8	4.8	5.0	5.3	5.7	6.0	6.2	6.8	7.5	8.5
-80°	4.8	4.8	4.8	4.9	5.2	5.6	6.0	6.1	6.4	6.9	7.6
-82.5°	4.8	4.8	4.8	4.9	5.1	5.4	5.7	5.9	6.0	6.3	6.6
-85°	4.8	4.8	4.8	4.9	5.0	5.2	5.4	5.5	5.6	5.7	5.8
-87.5°	4.8	4.8	4.8	4.8	4.9	5.0	5.1	5.2	5.2	5.3	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-08-0320L-40-70-3S-CV5-S

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	5.1	5.4	5.7
87.5°	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.6	3.6	3.6	3.6
85°	4.8	4.8	4.8	4.8	4.5	4.2	3.9	3.6	3.6	3.6	3.6
82.5°	4.8	4.8	4.8	4.8	4.5	4.2	3.9	3.8	3.8	3.8	3.7
80°	4.8	4.8	4.8	4.8	4.7	4.6	4.5	4.6	4.5	4.3	4.0
77.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.6	4.3	4.0
75°	4.8	4.8	4.9	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.6
72.5°	5.0	5.1	5.1	4.9	4.8	4.8	4.8	4.8	5.7	6.9	7.8
70°	5.5	5.5	5.2	4.9	4.8	5.1	6.6	8.6	10.7	12.3	14.2
67.5°	5.8	5.3	4.9	4.9	5.8	7.4	9.7	14.8	20.5	22.7	23.4
65°	5.4	4.9	5.1	5.9	7.1	11.3	16.9	23.5	28.4	28.0	26.6
62.5°	4.9	5.0	5.6	7.5	11.4	16.7	21.8	26.4	31.0	29.7	25.6
60°	4.9	5.1	7.4	11.3	15.3	19.2	24.0	26.6	28.7	28.5	22.6
57.5°	5.0	6.5	10.4	14.2	17.5	20.4	21.9	23.7	24.5	24.5	18.3
55°	5.8	8.9	12.7	16.0	18.4	18.0	18.5	18.7	18.8	17.6	12.5
52.5°	7.6	11.0	14.1	17.0	17.5	15.8	13.8	13.8	12.9	10.9	9.0
50°	9.2	12.2	15.2	17.2	16.4	13.1	10.2	10.1	9.2	8.0	6.9
47.5°	10.3	13.3	16.3	17.3	14.6	11.9	9.4	8.2	7.3	7.1	6.3
45°	11.3	14.2	17.3	16.2	13.8	11.8	9.7	7.2	7.5	7.5	7.7
42.5°	12.2	14.8	16.6	15.4	14.1	12.6	10.7	9.2	8.6	9.5	9.9
40°	12.6	15.2	16.0	16.3	14.9	14.2	13.9	12.8	11.1	12.6	13.1
37.5°	12.8	15.2	16.7	18.7	16.9	17.3	18.0	18.3	17.3	16.9	19.0
35°	12.8	15.6	20.1	22.5	21.0	22.0	24.1	25.1	25.1	24.6	28.2
32.5°	13.1	16.5	24.8	26.8	28.4	29.6	31.0	33.3	35.3	37.6	43.6
30°	14.8	20.9	30.2	31.8	37.4	43.3	41.7	42.8	47.5	62.5	75.6
27.5°	18.4	26.9	35.0	39.8	49.0	61.3	65.1	57.6	71.2	94.5	116.7
25°	22.7	43.5	40.1	49.7	66.7	85.2	95.5	94.4	107.7	137.1	163.5
22.5°	31.9	65.2	63.2	60.4	87.3	114.4	132.1	162.8	205.9	205.7	215.3
20°	47.9	86.0	92.4	100.4	117.8	148.0	173.3	254.5	344.4	375.0	341.7
17.5°	66.7	108.9	125.6	152.7	191.2	210.8	225.2	364.2	516.2	576.5	595.4
15°	87.5	133.5	161.2	211.2	272.6	307.4	368.8	527.6	707.2	809.3	885.2
12.5°	109.7	159.4	198.4	274.4	359.9	405.9	542.0	771.8	950.7	1073.9	1266.9
10°	132.6	186.2	236.7	340.7	451.2	505.6	727.3	1023.3	1210.2	1352.8	1616.9
7.5°	157.9	212.9	274.7	408.4	544.5	605.7	918.9	1276.7	1463.1	1622.0	1920.5
5°	182.4	238.5	308.8	466.0	619.3	690.1	1091.5	1525.4	1708.9	1881.3	2194.6
2.5°	205.1	263.0	341.5	519.1	678.6	749.2	1174.7	1652.0	1852.0	2066.0	2401.7
0°	225.1	286.2	372.4	567.5	732.8	805.8	1240.4	1761.3	1968.4	2211.5	2552.7
-2.5°	229.3	295.4	383.4	566.8	725.5	804.4	1246.8	1766.1	2008.5	2265.4	2599.4
-5°	230.4	302.8	391.8	561.2	713.5	799.7	1234.0	1748.2	2015.1	2252.3	2553.0
-7.5°	228.8	308.0	397.6	550.0	690.1	773.2	1161.2	1639.9	1909.8	2116.4	2399.2
-10°	224.7	307.3	391.2	525.0	652.6	732.8	1061.6	1514.9	1800.1	1977.9	2224.3
-12.5°	217.5	301.5	380.8	498.2	614.8	691.7	945.6	1376.4	1688.9	1840.8	2040.1
-15°	209.5	294.7	368.7	470.5	577.8	650.3	813.9	1227.0	1583.0	1737.7	1885.8
-17.5°	201.1	287.0	354.8	442.8	542.8	609.2	671.7	1068.3	1449.0	1632.5	1775.6
-20°	192.8	278.6	339.4	415.8	509.9	577.4	628.7	907.4	1260.7	1516.0	1659.7



REPORT NUMBER: P701325 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	185.2	269.6	324.8	394.9	480.8	552.0	604.1	750.1	1062.1	1389.2	1544.6
-25°	182.4	256.6	312.9	376.6	453.1	526.4	580.1	616.5	874.4	1198.3	1434.9
-27.5°	182.5	245.8	301.5	356.9	425.3	499.1	552.7	590.3	731.7	1010.6	1311.2
-30°	180.8	232.8	289.0	337.8	401.0	467.8	524.4	576.3	621.0	844.3	1109.7
-32.5°	174.0	219.0	273.8	322.8	376.6	437.5	501.2	556.8	605.3	677.9	918.4
-35°	164.8	207.7	257.3	306.7	351.8	410.5	473.1	534.0	585.5	630.5	740.2
-37.5°	156.4	194.9	240.3	289.0	333.3	383.6	442.9	503.9	559.3	612.8	662.4
-40°	146.8	180.5	224.1	269.9	314.1	358.1	411.7	469.2	527.6	589.4	649.0
-42.5°	135.7	168.6	206.9	250.0	291.9	335.0	378.9	433.1	491.8	557.1	619.3
-45°	121.2	155.5	188.8	227.6	267.3	309.2	351.5	395.2	451.9	512.2	577.3
-47.5°	105.4	140.3	172.6	203.8	241.1	280.1	321.4	364.2	409.0	463.9	522.4
-50°	88.9	121.4	154.2	182.3	213.6	249.6	287.5	330.1	372.8	415.8	465.6
-52.5°	72.9	101.2	131.9	161.1	188.1	218.2	253.4	292.0	332.7	374.1	412.6
-55°	55.9	81.6	108.1	136.7	164.0	189.5	217.9	252.5	289.0	327.4	362.6
-57.5°	42.2	61.5	85.2	110.0	136.5	162.4	187.1	212.2	243.7	277.6	307.8
-60°	30.3	44.4	62.5	84.4	107.0	131.5	156.3	179.7	202.7	225.0	252.0
-62.5°	19.9	30.9	43.6	59.0	79.0	99.7	121.7	144.2	166.6	185.9	203.7
-65°	17.4	20.0	28.6	40.1	51.5	70.1	88.8	106.8	126.5	144.1	161.2
-67.5°	14.9	17.2	19.5	23.6	33.9	45.4	57.5	73.9	89.6	102.3	115.0
-70°	13.2	14.6	16.5	18.6	20.7	25.4	35.5	46.1	56.5	66.3	77.2
-72.5°	11.7	12.9	14.1	15.4	17.2	19.4	21.7	24.0	29.8	37.7	45.2
-75°	10.3	11.2	12.3	13.4	14.6	15.9	17.4	19.3	21.1	22.8	24.2
-77.5°	9.2	9.8	10.6	11.4	12.3	13.3	14.4	15.6	16.8	18.1	19.4
-80°	8.0	8.4	8.9	9.4	10.2	11.0	11.7	12.5	13.2	14.1	15.0
-82.5°	6.9	7.2	7.5	7.7	8.2	8.7	9.4	10.0	10.2	10.4	10.7
-85°	5.9	6.0	6.2	6.4	6.6	6.9	7.2	7.5	7.6	7.6	7.6
-87.5°	5.4	5.4	5.4	5.5	5.5	5.6	5.6	5.6	5.8	5.9	5.9
-90°	4.5	4.2	3.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6



REPORT NUMBER: P701325 (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°	6.0	6.3	6.6	6.9	7.2	9.9	12.6	15.3	18.0	22.5	26.9
87.5°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	1.2	1.2
85°	3.6	3.3	3.0	2.7	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	3.4	3.3	3.2	3.2	3.0	2.9	2.7	2.4	2.4	2.4
77.5°	3.8	3.8	3.8	3.8	3.6	3.4	3.1	2.7	2.4	2.4	2.4
75°	4.7	4.8	4.9	4.7	4.3	4.0	3.8	3.6	3.4	3.2	3.0
72.5°	8.4	8.5	8.1	7.8	7.0	6.7	6.7	6.7	6.5	6.4	6.3
70°	15.4	15.7	15.0	13.6	11.5	10.1	9.4	8.6	7.6	7.2	7.1
67.5°	21.9	20.1	18.1	16.1	13.5	11.3	10.0	8.8	7.7	7.1	6.8
65°	24.0	19.6	16.4	13.8	11.8	10.2	8.8	7.5	6.2	5.4	5.1
62.5°	20.8	15.6	12.4	10.5	9.1	8.2	6.8	5.7	4.6	4.0	4.2
60°	16.9	11.5	8.5	7.5	6.6	6.0	5.3	4.6	4.0	3.6	3.7
57.5°	12.7	8.4	6.0	5.8	5.5	5.0	4.6	4.3	3.9	3.6	3.6
55°	8.8	6.9	6.0	5.7	5.4	5.0	4.7	4.3	4.0	3.6	3.6
52.5°	6.9	6.3	6.0	5.8	5.5	5.1	4.8	4.4	4.0	3.7	3.6
50°	6.3	6.1	6.1	5.9	5.6	5.2	4.8	4.6	4.5	4.4	4.5
47.5°	6.5	6.6	6.5	6.0	5.8	5.9	5.9	5.9	5.9	5.7	5.6
45°	7.4	7.4	7.3	7.2	6.9	7.6	8.0	8.1	9.4	8.9	7.5
42.5°	9.1	9.6	10.1	10.7	9.9	12.7	17.0	19.9	17.0	13.5	11.3
40°	13.8	14.2	17.2	18.8	22.3	26.2	23.9	20.0	17.8	19.0	19.7
37.5°	21.8	25.4	30.4	36.0	34.6	28.7	29.4	29.3	28.3	30.7	30.9
35°	35.6	44.5	48.8	50.1	47.6	45.8	47.5	49.1	45.4	51.2	53.1
32.5°	58.1	69.1	71.6	69.0	69.3	73.3	76.3	81.7	87.2	96.0	106.4
30°	85.8	97.6	103.2	98.0	99.1	108.6	114.8	127.2	147.1	169.8	198.1
27.5°	127.0	135.8	145.9	147.3	142.5	156.5	178.4	191.5	244.9	280.2	343.9
25°	181.5	195.1	204.0	219.0	227.0	243.9	285.9	326.2	408.2	488.1	623.6
22.5°	253.1	296.8	312.8	310.6	357.7	403.2	438.9	551.9	713.4	949.8	1215.9
20°	347.6	437.3	513.6	538.3	555.1	675.0	798.2	1148.9	1551.0	2222.0	2743.7
17.5°	626.5	656.0	823.5	959.9	1024.8	1278.5	1853.7	2736.6	4254.1	6330.5	7607.1
15°	1046.0	1130.3	1298.2	1586.7	1943.6	2616.2	3576.4	6391.1	10283.0	14536.1	18585.3
12.5°	1509.2	1685.0	1992.7	2417.5	2984.1	4903.2	8002.1	13297.8	20502.9	27871.6	37269.4
10°	1939.1	2292.6	2797.6	3514.6	4969.5	8248.1	13464.3	22466.1	35228.7	48536.5	61831.4
7.5°	2289.8	2795.6	3534.1	4608.0	7215.6	12479.4	21033.9	34296.9	50660.6	67781.7	85807.7
5°	2643.9	3284.2	4173.7	5473.0	8687.5	15748.4	27126.8	45284.3	66401.8	87974.9	110691.6
2.5°	2950.8	3699.9	4729.8	6247.8	9677.3	17517.7	30802.4	53160.9	77954.9	103770.8	132704.1
0°	3177.7	3940.4	5034.8	6614.1	10652.7	18895.1	32954.2	55489.2	80707.4	107359.4	136930.5
-2.5°	3146.1	3835.8	4827.8	6395.1	10313.8	18646.6	31610.1	53572.2	78253.6	103237.3	129610.8
-5°	3002.4	3602.2	4491.1	5893.9	9143.4	16178.3	28366.6	48606.9	71557.4	94388.4	117854.4
-7.5°	2783.4	3302.3	4081.4	5286.5	7793.9	13333.4	23462.5	39295.5	59026.7	78539.5	96641.4
-10°	2557.0	2979.8	3611.2	4563.5	6352.1	10222.7	17385.6	29222.0	45630.9	61700.3	75572.2
-12.5°	2344.3	2659.1	3108.2	3771.2	4873.6	7652.9	13061.3	21697.1	32657.7	45012.5	57024.2
-15°	2145.8	2378.6	2701.2	3235.9	4118.2	5766.7	8702.8	14457.8	22167.5	30791.4	39094.6
-17.5°	1963.9	2155.9	2407.5	2784.1	3330.7	4350.2	6407.0	9697.3	14352.1	20486.3	26220.3
-20°	1800.9	1974.8	2163.0	2445.1	2864.9	3465.0	4477.6	6520.1	9206.2	13072.6	16864.7



REPORT NUMBER: P701325 (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°	1673.3	1809.8	1956.1	2171.9	2521.9	2947.4	3450.8	4287.6	5766.0	7749.2	9995.2
-25°	1556.7	1657.7	1809.6	2041.8	2281.5	2565.4	2870.6	3206.2	3862.2	4500.0	5675.9
-27.5°	1445.8	1552.4	1710.6	1920.1	2138.8	2271.4	2466.6	2673.9	2987.7	3264.6	3733.1
-30°	1353.3	1465.3	1599.5	1776.4	1960.5	2085.3	2186.9	2336.9	2510.9	2684.6	2886.1
-32.5°	1179.4	1393.1	1486.1	1621.0	1786.8	1918.1	2008.0	2119.4	2212.4	2320.4	2429.9
-35°	989.2	1224.9	1417.4	1504.6	1619.3	1765.3	1893.2	1982.6	2054.7	2121.2	2184.0
-37.5°	774.0	1019.1	1229.3	1406.2	1511.1	1609.0	1744.5	1865.0	1951.6	1997.4	2038.2
-40°	692.2	763.0	985.0	1187.9	1345.8	1499.0	1604.6	1722.7	1822.8	1886.1	1933.5
-42.5°	678.1	714.5	743.2	897.0	1088.7	1252.8	1392.6	1530.3	1652.7	1743.4	1816.7
-45°	640.3	683.5	723.9	752.3	781.8	927.0	1083.0	1235.0	1373.1	1496.7	1604.8
-47.5°	579.1	630.8	673.8	715.1	747.2	772.5	801.8	850.2	979.5	1106.5	1227.1
-50°	512.7	559.5	606.2	650.5	685.4	716.0	744.1	768.2	792.5	817.9	842.0
-52.5°	447.0	488.8	530.4	569.4	606.4	641.3	673.9	697.7	718.2	736.1	749.7
-55°	395.3	426.4	456.7	489.7	522.7	553.5	581.7	607.6	631.1	652.0	668.2
-57.5°	338.2	368.7	397.7	422.4	446.4	469.7	493.6	516.5	536.8	554.3	568.6
-60°	278.6	304.6	330.4	354.7	377.9	399.7	419.4	437.5	453.8	467.8	478.3
-62.5°	221.0	241.6	264.8	285.9	304.5	322.4	342.6	360.8	377.0	390.5	400.4
-65°	177.4	192.2	208.9	225.3	241.4	258.8	276.4	292.0	305.8	317.1	325.9
-67.5°	129.3	143.8	160.0	174.8	188.3	203.0	219.9	235.4	249.5	260.9	270.2
-70°	87.2	97.5	110.3	124.0	137.3	151.3	166.7	181.5	195.7	206.5	215.3
-72.5°	52.3	59.1	66.0	74.9	84.3	95.8	108.7	121.7	134.5	143.9	151.1
-75°	25.6	28.3	33.9	39.1	43.9	50.1	56.6	62.7	68.5	72.7	76.1
-77.5°	20.8	22.1	23.3	24.5	25.7	28.4	31.7	35.0	38.4	41.2	43.7
-80°	16.0	16.8	17.6	18.6	19.5	21.6	23.8	26.0	28.3	30.0	31.6
-82.5°	11.1	11.6	12.0	12.4	12.7	14.2	15.7	17.2	18.6	20.0	21.3
-85°	7.5	7.6	7.8	7.9	7.9	9.4	11.0	12.6	14.1	15.4	16.7
-87.5°	6.0	6.0	6.1	6.1	6.1	7.4	8.6	9.9	11.0	12.2	13.4
-90°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6



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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°	31.4	35.9	32.9	29.9	32.9	35.9	31.4	26.9	22.5	18.0	15.3
87.5°	1.2	1.2	1.2	1.2	1.2	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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7
75°	2.7	2.4	3.0	3.6	3.0	2.4	2.7	3.0	3.2	3.4	3.6
72.5°	6.1	5.9	6.0	6.0	6.0	5.9	6.1	6.3	6.4	6.5	6.7
70°	7.1	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.2	7.6	8.6
67.5°	6.4	6.1	6.0	6.0	6.0	6.1	6.4	6.8	7.1	7.7	8.8
65°	4.9	4.9	4.8	4.8	4.8	4.9	4.9	5.1	5.4	6.2	7.5
62.5°	4.4	4.7	4.8	4.8	4.8	4.7	4.4	4.2	4.0	4.6	5.7
60°	3.7	3.7	3.6	3.6	3.6	3.7	3.7	3.7	3.6	4.0	4.6
57.5°	3.6	3.6	4.1	4.8	4.1	3.6	3.6	3.6	3.6	3.9	4.3
55°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.0	4.3
52.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7	4.0	4.4
50°	4.6	4.7	4.8	4.8	4.8	4.7	4.6	4.5	4.4	4.5	4.6
47.5°	5.8	5.9	5.6	4.8	5.6	5.9	5.8	5.6	5.7	5.9	5.9
45°	7.5	7.3	7.2	7.2	7.2	7.3	7.5	7.5	8.9	9.4	8.1
42.5°	11.7	11.8	11.9	12.0	11.9	11.8	11.7	11.3	13.5	17.0	19.9
40°	20.7	21.2	21.4	21.6	21.4	21.2	20.7	19.7	19.0	17.8	20.0
37.5°	31.3	31.8	32.0	32.3	32.0	31.8	31.3	30.9	30.7	28.3	29.3
35°	52.9	52.7	50.9	51.5	50.9	52.7	52.9	53.1	51.2	45.4	49.1
32.5°	113.5	114.4	108.5	99.4	108.5	114.4	113.5	106.4	96.0	87.2	81.7
30°	219.4	238.1	250.7	251.4	250.7	238.1	219.4	198.1	169.8	147.1	127.2
27.5°	386.4	415.6	428.0	434.6	428.0	415.6	386.4	343.9	280.2	244.9	191.5
25°	730.0	797.0	833.1	805.8	833.1	797.0	730.0	623.6	488.1	408.2	326.2
22.5°	1468.9	1597.0	1706.1	1712.2	1706.1	1597.0	1468.9	1215.9	949.8	713.4	551.9
20°	3469.1	3439.9	3715.8	3577.6	3715.8	3439.9	3469.1	2743.7	2222.0	1551.0	1148.9
17.5°	9839.7	10928.1	11529.6	10706.5	11529.6	10928.1	9839.7	7607.1	6330.5	4254.1	2736.6
15°	22621.0	25336.2	27173.4	26938.8	27173.4	25336.2	22621.0	18585.3	14536.1	10283.0	6391.1
12.5°	42533.4	46995.2	50798.3	50638.8	50798.3	46995.2	42533.4	37269.4	27871.6	20502.9	13297.8
10°	73676.2	81455.1	88704.6	89459.9	88704.6	81455.1	73676.2	61831.4	48536.5	35228.7	22466.1
7.5°	102368.5	119885.6	130327.3	133006.3	130327.3	119885.6	102368.5	85807.7	67781.7	50660.6	34296.9
5°	138296.1	158581.7	169555.9	169848.8	169555.9	158581.7	138296.1	110691.6	87974.9	66401.8	45284.3
2.5°	164892.6	187742.9	201217.7	211643.5	201217.7	187742.9	164892.6	132704.1	103770.8	77954.9	53160.9
0°	172802.6	192508.3	214496.1	226720.8	214496.1	192508.3	172802.6	136930.5	107359.4	80707.4	55489.2
-2.5°	162203.6	182835.1	193750.1	203693.7	193750.1	182835.1	162203.6	129610.8	103237.3	78253.6	53572.2
-5°	142068.2	163920.4	174407.5	176646.0	174407.5	163920.4	142068.2	117854.4	94388.4	71557.4	48606.9
-7.5°	113043.9	128424.3	139041.3	143205.1	139041.3	128424.3	113043.9	96641.4	78539.5	59026.7	39295.5
-10°	88472.3	98404.0	103717.0	107249.8	103717.0	98404.0	88472.3	75572.2	61700.3	45630.9	29222.0
-12.5°	66705.6	73885.0	78051.9	79865.6	78051.9	73885.0	66705.6	57024.2	45012.5	32657.7	21697.1
-15°	47480.6	53161.7	55983.2	57779.7	55983.2	53161.7	47480.6	39094.6	30791.4	22167.5	14457.8
-17.5°	32530.5	37098.4	39702.1	41395.4	39702.1	37098.4	32530.5	26220.3	20486.3	14352.1	9697.3
-20°	20813.9	23533.7	25537.1	26121.0	25537.1	23533.7	20813.9	16864.7	13072.6	9206.2	6520.1



REPORT NUMBER: P701325 (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°	12160.9	13762.3	14771.2	15000.2	14771.2	13762.3	12160.9	9995.2	7749.2	5766.0	4287.6
-25°	6612.2	7309.9	7839.2	8018.5	7839.2	7309.9	6612.2	5675.9	4500.0	3862.2	3206.2
-27.5°	4060.5	4330.3	4525.8	4626.5	4525.8	4330.3	4060.5	3733.1	3264.6	2987.7	2673.9
-30°	3054.1	3177.2	3250.6	3299.8	3250.6	3177.2	3054.1	2886.1	2684.6	2510.9	2336.9
-32.5°	2507.6	2562.7	2595.8	2618.6	2595.8	2562.7	2507.6	2429.9	2320.4	2212.4	2119.4
-35°	2233.6	2269.4	2293.9	2306.1	2293.9	2269.4	2233.6	2184.0	2121.2	2054.7	1982.6
-37.5°	2068.5	2091.1	2107.5	2116.9	2107.5	2091.1	2068.5	2038.2	1997.4	1951.6	1865.0
-40°	1956.1	1971.9	1984.9	1999.5	1984.9	1971.9	1956.1	1933.5	1886.1	1822.8	1722.7
-42.5°	1853.4	1876.9	1888.7	1891.8	1888.7	1876.9	1853.4	1816.7	1743.4	1652.7	1530.3
-45°	1687.5	1752.7	1792.7	1805.6	1792.7	1752.7	1687.5	1604.8	1496.7	1373.1	1235.0
-47.5°	1337.9	1435.5	1509.1	1554.1	1509.1	1435.5	1337.9	1227.1	1106.5	979.5	850.2
-50°	864.5	885.2	893.3	888.4	893.3	885.2	864.5	842.0	817.9	792.5	768.2
-52.5°	760.4	768.7	775.6	780.7	775.6	768.7	760.4	749.7	736.1	718.2	697.7
-55°	680.8	690.1	698.9	706.4	698.9	690.1	680.8	668.2	652.0	631.1	607.6
-57.5°	580.5	590.0	593.5	592.7	593.5	590.0	580.5	568.6	554.3	536.8	516.5
-60°	486.9	493.6	498.6	501.7	498.6	493.6	486.9	478.3	467.8	453.8	437.5
-62.5°	408.3	414.1	420.7	426.3	420.7	414.1	408.3	400.4	390.5	377.0	360.8
-65°	333.4	339.6	344.5	348.4	344.5	339.6	333.4	325.9	317.1	305.8	292.0
-67.5°	278.5	285.9	291.4	295.7	291.4	285.9	278.5	270.2	260.9	249.5	235.4
-70°	223.5	230.8	235.2	238.3	235.2	230.8	223.5	215.3	206.5	195.7	181.5
-72.5°	157.4	162.7	165.2	166.4	165.2	162.7	157.4	151.1	143.9	134.5	121.7
-75°	79.1	81.7	84.1	86.2	84.1	81.7	79.1	76.1	72.7	68.5	62.7
-77.5°	46.3	48.7	50.2	51.5	50.2	48.7	46.3	43.7	41.2	38.4	35.0
-80°	33.1	34.5	35.8	37.1	35.8	34.5	33.1	31.6	30.0	28.3	26.0
-82.5°	22.6	23.8	24.5	25.1	24.5	23.8	22.6	21.3	20.0	18.6	17.2
-85°	17.9	19.2	19.8	20.4	19.8	19.2	17.9	16.7	15.4	14.1	12.6
-87.5°	14.5	15.7	16.2	16.8	16.2	15.7	14.5	13.4	12.2	11.0	9.9
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	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°	12.6	9.9	7.2	6.9	6.6	6.3	6.0	5.7	5.4	5.1	4.8
87.5°	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.6	3.6	3.6	3.6
85°	2.3	2.4	2.4	2.7	3.0	3.3	3.6	3.6	3.6	3.6	3.6
82.5°	2.4	2.4	2.4	2.7	3.0	3.3	3.6	3.7	3.8	3.8	3.8
80°	2.9	3.0	3.2	3.2	3.3	3.4	3.6	4.0	4.3	4.5	4.6
77.5°	3.1	3.4	3.6	3.8	3.8	3.8	3.8	4.0	4.3	4.6	4.8
75°	3.8	4.0	4.3	4.7	4.9	4.8	4.7	4.6	4.6	4.7	4.8
72.5°	6.7	6.7	7.0	7.8	8.1	8.5	8.4	7.8	6.9	5.7	4.8
70°	9.4	10.1	11.5	13.6	15.0	15.7	15.4	14.2	12.3	10.7	8.6
67.5°	10.0	11.3	13.5	16.1	18.1	20.1	21.9	23.4	22.7	20.5	14.8
65°	8.8	10.2	11.8	13.8	16.4	19.6	24.0	26.6	28.0	28.4	23.5
62.5°	6.8	8.2	9.1	10.5	12.4	15.6	20.8	25.6	29.7	31.0	26.4
60°	5.3	6.0	6.6	7.5	8.5	11.5	16.9	22.6	28.5	28.7	26.6
57.5°	4.6	5.0	5.5	5.8	6.0	8.4	12.7	18.3	24.5	24.5	23.7
55°	4.7	5.0	5.4	5.7	6.0	6.9	8.8	12.5	17.6	18.8	18.7
52.5°	4.8	5.1	5.5	5.8	6.0	6.3	6.9	9.0	10.9	12.9	13.8
50°	4.8	5.2	5.6	5.9	6.1	6.1	6.3	6.9	8.0	9.2	10.1
47.5°	5.9	5.9	5.8	6.0	6.5	6.6	6.5	6.3	7.1	7.3	8.2
45°	8.0	7.6	6.9	7.2	7.3	7.4	7.4	7.7	7.5	7.5	7.2
42.5°	17.0	12.7	9.9	10.7	10.1	9.6	9.1	9.9	9.5	8.6	9.2
40°	23.9	26.2	22.3	18.8	17.2	14.2	13.8	13.1	12.6	11.1	12.8
37.5°	29.4	28.7	34.6	36.0	30.4	25.4	21.8	19.0	16.9	17.3	18.3
35°	47.5	45.8	47.6	50.1	48.8	44.5	35.6	28.2	24.6	25.1	25.1
32.5°	76.3	73.3	69.3	69.0	71.6	69.1	58.1	43.6	37.6	35.3	33.3
30°	114.8	108.6	99.1	98.0	103.2	97.6	85.8	75.6	62.5	47.5	42.8
27.5°	178.4	156.5	142.5	147.3	145.9	135.8	127.0	116.7	94.5	71.2	57.6
25°	285.9	243.9	227.0	219.0	204.0	195.1	181.5	163.5	137.1	107.7	94.4
22.5°	438.9	403.2	357.7	310.6	312.8	296.8	253.1	215.3	205.7	205.9	162.8
20°	798.2	675.0	555.1	538.3	513.6	437.3	347.6	341.7	375.0	344.4	254.5
17.5°	1853.7	1278.5	1024.8	959.9	823.5	656.0	626.5	595.4	576.5	516.2	364.2
15°	3576.4	2616.2	1943.6	1586.7	1298.2	1130.3	1046.0	885.2	809.3	707.2	527.6
12.5°	8002.1	4903.2	2984.1	2417.5	1992.7	1685.0	1509.2	1266.9	1073.9	950.7	771.8
10°	13464.3	8248.1	4969.5	3514.6	2797.6	2292.6	1939.1	1616.9	1352.8	1210.2	1023.3
7.5°	21033.9	12479.4	7215.6	4608.0	3534.1	2795.6	2289.8	1920.5	1622.0	1463.1	1276.7
5°	27126.8	15748.4	8687.5	5473.0	4173.7	3284.2	2643.9	2194.6	1881.3	1708.9	1525.4
2.5°	30802.4	17517.7	9677.3	6247.8	4729.8	3699.9	2950.8	2401.7	2066.0	1852.0	1652.0
0°	32954.2	18895.1	10652.7	6614.1	5034.8	3940.4	3177.7	2552.7	2211.5	1968.4	1761.3
-2.5°	31610.1	18646.6	10313.8	6395.1	4827.8	3835.8	3146.1	2599.4	2265.4	2008.5	1766.1
-5°	28366.6	16178.3	9143.4	5893.9	4491.1	3602.2	3002.4	2553.0	2252.3	2015.1	1748.2
-7.5°	23462.5	13333.4	7793.9	5286.5	4081.4	3302.3	2783.4	2399.2	2116.4	1909.8	1639.9
-10°	17385.6	10222.7	6352.1	4563.5	3611.2	2979.8	2557.0	2224.3	1977.9	1800.1	1514.9
-12.5°	13061.3	7652.9	4873.6	3771.2	3108.2	2659.1	2344.3	2040.1	1840.8	1688.9	1376.4
-15°	8702.8	5766.7	4118.2	3235.9	2701.2	2378.6	2145.8	1885.8	1737.7	1583.0	1227.0
-17.5°	6407.0	4350.2	3330.7	2784.1	2407.5	2155.9	1963.9	1775.6	1632.5	1449.0	1068.3
-20°	4477.6	3465.0	2864.9	2445.1	2163.0	1974.8	1800.9	1659.7	1516.0	1260.7	907.4



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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°	3450.8	2947.4	2521.9	2171.9	1956.1	1809.8	1673.3	1544.6	1389.2	1062.1	750.1
-25°	2870.6	2565.4	2281.5	2041.8	1809.6	1657.7	1556.7	1434.9	1198.3	874.4	616.5
-27.5°	2466.6	2271.4	2138.8	1920.1	1710.6	1552.4	1445.8	1311.2	1010.6	731.7	590.3
-30°	2186.9	2085.3	1960.5	1776.4	1599.5	1465.3	1353.3	1109.7	844.3	621.0	576.3
-32.5°	2008.0	1918.1	1786.8	1621.0	1486.1	1393.1	1179.4	918.4	677.9	605.3	556.8
-35°	1893.2	1765.3	1619.3	1504.6	1417.4	1224.9	989.2	740.2	630.5	585.5	534.0
-37.5°	1744.5	1609.0	1511.1	1406.2	1229.3	1019.1	774.0	662.4	612.8	559.3	503.9
-40°	1604.6	1499.0	1345.8	1187.9	985.0	763.0	692.2	649.0	589.4	527.6	469.2
-42.5°	1392.6	1252.8	1088.7	897.0	743.2	714.5	678.1	619.3	557.1	491.8	433.1
-45°	1083.0	927.0	781.8	752.3	723.9	683.5	640.3	577.3	512.2	451.9	395.2
-47.5°	801.8	772.5	747.2	715.1	673.8	630.8	579.1	522.4	463.9	409.0	364.2
-50°	744.1	716.0	685.4	650.5	606.2	559.5	512.7	465.6	415.8	372.8	330.1
-52.5°	673.9	641.3	606.4	569.4	530.4	488.8	447.0	412.6	374.1	332.7	292.0
-55°	581.7	553.5	522.7	489.7	456.7	426.4	395.3	362.6	327.4	289.0	252.5
-57.5°	493.6	469.7	446.4	422.4	397.7	368.7	338.2	307.8	277.6	243.7	212.2
-60°	419.4	399.7	377.9	354.7	330.4	304.6	278.6	252.0	225.0	202.7	179.7
-62.5°	342.6	322.4	304.5	285.9	264.8	241.6	221.0	203.7	185.9	166.6	144.2
-65°	276.4	258.8	241.4	225.3	208.9	192.2	177.4	161.2	144.1	126.5	106.8
-67.5°	219.9	203.0	188.3	174.8	160.0	143.8	129.3	115.0	102.3	89.6	73.9
-70°	166.7	151.3	137.3	124.0	110.3	97.5	87.2	77.2	66.3	56.5	46.1
-72.5°	108.7	95.8	84.3	74.9	66.0	59.1	52.3	45.2	37.7	29.8	24.0
-75°	56.6	50.1	43.9	39.1	33.9	28.3	25.6	24.2	22.8	21.1	19.3
-77.5°	31.7	28.4	25.7	24.5	23.3	22.1	20.8	19.4	18.1	16.8	15.6
-80°	23.8	21.6	19.5	18.6	17.6	16.8	16.0	15.0	14.1	13.2	12.5
-82.5°	15.7	14.2	12.7	12.4	12.0	11.6	11.1	10.7	10.4	10.2	10.0
-85°	11.0	9.4	7.9	7.9	7.8	7.6	7.5	7.6	7.6	7.6	7.5
-87.5°	8.6	7.4	6.1	6.1	6.1	6.0	6.0	5.9	5.9	5.8	5.6
-90°	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.6	3.6	3.6	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°	3.8	4.0	4.1	4.3	4.4	4.5	4.6	4.8	4.8	4.8	4.8
85°	3.9	4.2	4.5	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
82.5°	3.9	4.2	4.5	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	4.5	4.6	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
77.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
75°	4.8	4.8	4.8	4.8	4.9	4.8	4.8	4.8	4.8	4.8	4.8
72.5°	4.8	4.8	4.8	4.9	5.1	5.1	5.0	4.8	4.8	4.8	4.8
70°	6.6	5.1	4.8	4.9	5.2	5.5	5.5	5.2	4.8	4.8	4.8
67.5°	9.7	7.4	5.8	4.9	4.9	5.3	5.8	5.7	5.2	4.8	4.8
65°	16.9	11.3	7.1	5.9	5.1	4.9	5.4	5.9	5.7	5.2	4.8
62.5°	21.8	16.7	11.4	7.5	5.6	5.0	4.9	5.6	6.0	5.6	5.0
60°	24.0	19.2	15.3	11.3	7.4	5.1	4.9	5.3	5.8	5.9	5.4
57.5°	21.9	20.4	17.5	14.2	10.4	6.5	5.0	5.2	5.6	5.9	5.7
55°	18.5	18.0	18.4	16.0	12.7	8.9	5.8	5.3	5.6	5.9	6.0
52.5°	13.8	15.8	17.5	17.0	14.1	11.0	7.6	5.4	5.6	5.9	6.0
50°	10.2	13.1	16.4	17.2	15.2	12.2	9.2	6.5	5.7	5.9	6.1
47.5°	9.4	11.9	14.6	17.3	16.3	13.3	10.3	7.5	5.8	6.0	6.2
45°	9.7	11.8	13.8	16.2	17.3	14.2	11.3	8.2	6.4	6.1	6.3
42.5°	10.7	12.6	14.1	15.4	16.6	14.8	12.2	9.0	6.8	6.3	6.4
40°	13.9	14.2	14.9	16.3	16.0	15.2	12.6	9.8	7.0	6.5	6.6
37.5°	18.0	17.3	16.9	18.7	16.7	15.2	12.8	10.5	7.8	7.0	6.8
35°	24.1	22.0	21.0	22.5	20.1	15.6	12.8	10.9	9.0	7.6	7.0
32.5°	31.0	29.6	28.4	26.8	24.8	16.5	13.1	12.0	10.3	8.1	7.2
30°	41.7	43.3	37.4	31.8	30.2	20.9	14.8	13.3	11.6	8.7	7.5
27.5°	65.1	61.3	49.0	39.8	35.0	26.9	18.4	14.8	13.0	9.5	8.0
25°	95.5	85.2	66.7	49.7	40.1	43.5	22.7	16.7	14.3	10.6	8.5
22.5°	132.1	114.4	87.3	60.4	63.2	65.2	31.9	20.1	15.7	11.7	8.9
20°	173.3	148.0	117.8	100.4	92.4	86.0	47.9	23.9	17.2	12.8	9.4
17.5°	225.2	210.8	191.2	152.7	125.6	108.9	66.7	27.9	18.8	13.9	9.9
15°	368.8	307.4	272.6	211.2	161.2	133.5	87.5	32.2	20.5	14.9	10.4
12.5°	542.0	405.9	359.9	274.4	198.4	159.4	109.7	36.5	22.2	16.1	11.0
10°	727.3	505.6	451.2	340.7	236.7	186.2	132.6	41.9	25.0	17.3	11.7
7.5°	918.9	605.7	544.5	408.4	274.7	212.9	157.9	49.3	28.1	18.5	12.4
5°	1091.5	690.1	619.3	466.0	308.8	238.5	182.4	56.7	31.2	19.6	13.1
2.5°	1174.7	749.2	678.6	519.1	341.5	263.0	205.1	63.9	34.2	20.7	13.8
0°	1240.4	805.8	732.8	567.5	372.4	286.2	225.1	70.6	37.1	21.6	14.4
-2.5°	1246.8	804.4	725.5	566.8	383.4	295.4	229.3	80.9	45.6	27.4	17.2
-5°	1234.0	799.7	713.5	561.2	391.8	302.8	230.4	90.3	53.7	32.9	19.8
-7.5°	1161.2	773.2	690.1	550.0	397.6	308.0	228.8	99.0	61.3	38.1	22.2
-10°	1061.6	732.8	652.6	525.0	391.2	307.3	224.7	106.8	68.2	42.7	24.3
-12.5°	945.6	691.7	614.8	498.2	380.8	301.5	217.5	113.8	74.4	46.7	26.1
-15°	813.9	650.3	577.8	470.5	368.7	294.7	209.5	119.9	80.0	50.4	27.4
-17.5°	671.7	609.2	542.8	442.8	354.8	287.0	201.1	124.8	84.9	53.8	29.0
-20°	628.7	577.4	509.9	415.8	339.4	278.6	192.8	128.4	88.9	56.4	30.4



REPORT NUMBER: P701325 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	604.1	552.0	480.8	394.9	324.8	269.6	185.2	130.7	91.9	58.0	31.2
-25°	580.1	526.4	453.1	376.6	312.9	256.6	182.4	131.6	94.0	58.6	31.3
-27.5°	552.7	499.1	425.3	356.9	301.5	245.8	182.5	133.4	95.0	58.2	30.6
-30°	524.4	467.8	401.0	337.8	289.0	232.8	180.8	134.1	94.3	57.2	29.1
-32.5°	501.2	437.5	376.6	322.8	273.8	219.0	174.0	133.5	92.2	55.4	28.0
-35°	473.1	410.5	351.8	306.7	257.3	207.7	164.8	131.6	88.6	52.4	26.6
-37.5°	442.9	383.6	333.3	289.0	240.3	194.9	156.4	122.7	83.4	48.3	24.5
-40°	411.7	358.1	314.1	269.9	224.1	180.5	146.8	111.9	77.4	42.9	21.7
-42.5°	378.9	335.0	291.9	250.0	206.9	168.6	135.7	99.9	68.0	38.1	18.2
-45°	351.5	309.2	267.3	227.6	188.8	155.5	121.2	87.0	57.5	33.3	15.5
-47.5°	321.4	280.1	241.1	203.8	172.6	140.3	105.4	74.3	46.3	27.5	14.7
-50°	287.5	249.6	213.6	182.3	154.2	121.4	88.9	60.8	38.2	20.4	13.8
-52.5°	253.4	218.2	188.1	161.1	131.9	101.2	72.9	47.0	29.8	17.1	12.8
-55°	217.9	189.5	164.0	136.7	108.1	81.6	55.9	37.1	20.9	15.5	11.7
-57.5°	187.1	162.4	136.5	110.0	85.2	61.5	42.2	26.8	17.5	13.9	10.9
-60°	156.3	131.5	107.0	84.4	62.5	44.4	30.3	19.0	15.6	12.4	10.1
-62.5°	121.7	99.7	79.0	59.0	43.6	30.9	19.9	16.8	13.7	11.4	9.2
-65°	88.8	70.1	51.5	40.1	28.6	20.0	17.4	14.6	12.3	10.3	8.4
-67.5°	57.5	45.4	33.9	23.6	19.5	17.2	14.9	13.0	11.2	9.3	7.8
-70°	35.5	25.4	20.7	18.6	16.5	14.6	13.2	11.6	9.9	8.6	7.2
-72.5°	21.7	19.4	17.2	15.4	14.1	12.9	11.7	10.4	9.1	7.9	6.6
-75°	17.4	15.9	14.6	13.4	12.3	11.2	10.3	9.4	8.3	7.1	6.4
-77.5°	14.4	13.3	12.3	11.4	10.6	9.8	9.2	8.5	7.5	6.8	6.2
-80°	11.7	11.0	10.2	9.4	8.9	8.4	8.0	7.6	6.9	6.4	6.1
-82.5°	9.4	8.7	8.2	7.7	7.5	7.2	6.9	6.6	6.3	6.0	5.9
-85°	7.2	6.9	6.6	6.4	6.2	6.0	5.9	5.8	5.7	5.6	5.5
-87.5°	5.6	5.6	5.5	5.5	5.4	5.4	5.4	5.3	5.3	5.2	5.2
-90°	3.6	3.6	3.6	3.6	3.9	4.2	4.5	4.8	4.8	4.8	4.8



REPORT NUMBER: P701325 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV5-S

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°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
70°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
67.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8
65°	4.9	4.8	4.8	4.8	4.8	4.8	4.8
62.5°	4.9	4.9	4.8	4.8	4.8	4.8	4.8
60°	5.0	5.0	4.8	4.8	4.8	4.8	4.8
57.5°	5.3	5.2	4.9	4.8	4.8	4.8	4.8
55°	5.5	5.3	5.0	4.8	4.8	4.8	4.8
52.5°	5.7	5.4	5.2	4.8	4.9	4.8	4.8
50°	5.9	5.6	5.3	4.8	4.9	4.8	4.8
47.5°	6.0	5.7	5.4	4.8	4.9	4.8	4.8
45°	6.1	5.8	5.6	4.9	4.9	4.8	4.8
42.5°	6.2	5.9	5.7	5.0	5.0	4.8	4.8
40°	6.4	5.9	5.8	5.2	5.0	4.8	4.8
37.5°	6.5	6.0	5.9	5.3	5.1	4.8	4.8
35°	6.7	6.1	5.9	5.4	5.1	4.8	4.8
32.5°	6.9	6.2	6.0	5.5	5.2	4.8	4.8
30°	7.0	6.3	6.0	5.6	5.2	4.8	4.8
27.5°	7.2	6.5	6.0	5.7	5.3	4.8	4.8
25°	7.5	6.6	6.0	5.8	5.4	4.8	4.8
22.5°	7.7	6.7	6.0	5.8	5.4	4.8	4.8
20°	7.9	6.8	6.0	5.9	5.5	4.8	4.8
17.5°	8.1	6.9	6.0	5.9	5.6	4.8	4.8
15°	8.1	7.0	6.0	6.0	5.6	4.8	4.8
12.5°	8.2	7.1	6.0	6.0	5.7	4.8	4.8
10°	8.3	7.1	6.0	6.0	5.8	4.8	4.8
7.5°	8.3	7.1	6.0	6.0	5.8	4.8	4.8
5°	8.4	7.2	6.0	6.0	5.9	4.8	4.8
2.5°	8.4	7.2	6.0	6.0	5.9	4.8	4.8
0°	8.4	7.2	6.0	6.0	6.0	4.8	4.8
-2.5°	9.5	7.5	6.1	6.0	6.0	4.8	4.8
-5°	10.6	7.7	6.2	6.0	6.0	4.8	4.8
-7.5°	11.6	7.9	6.3	6.0	6.0	4.8	4.8
-10°	12.5	8.1	6.4	6.0	6.0	4.8	4.8
-12.5°	13.2	8.3	6.5	6.0	5.9	4.8	4.8
-15°	13.8	8.4	6.5	6.0	5.9	4.8	4.8
-17.5°	14.2	8.5	6.6	6.0	5.9	4.8	4.8
-20°	14.6	8.6	6.6	6.0	5.9	4.8	4.8



REPORT NUMBER: P701325 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-70-3S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	15.1	8.6	6.6	6.0	5.8	4.8	4.8
-25°	15.2	8.7	6.6	6.0	5.8	4.8	4.8
-27.5°	14.8	8.8	6.6	6.0	5.7	4.8	4.8
-30°	14.1	8.8	6.6	6.0	5.7	4.8	4.8
-32.5°	12.9	8.7	6.6	6.0	5.6	4.8	4.8
-35°	12.4	8.6	6.6	6.0	5.6	4.8	4.8
-37.5°	12.2	8.4	6.5	6.0	5.5	4.8	4.8
-40°	11.9	8.3	6.4	6.0	5.4	4.8	4.8
-42.5°	11.4	8.2	6.4	6.0	5.4	4.8	4.8
-45°	10.9	8.1	6.4	6.0	5.3	4.8	4.8
-47.5°	10.3	7.8	6.4	6.0	5.2	4.8	4.8
-50°	9.9	7.6	6.4	5.9	5.1	4.8	4.8
-52.5°	9.5	7.3	6.3	5.8	5.1	4.8	4.8
-55°	9.0	7.1	6.2	5.7	5.0	4.8	4.8
-57.5°	8.5	6.9	6.1	5.6	4.9	4.8	4.8
-60°	7.9	6.7	6.0	5.5	4.8	4.8	4.8
-62.5°	7.5	6.4	5.9	5.4	4.8	4.8	4.8
-65°	7.1	6.2	5.8	5.3	4.8	4.8	4.8
-67.5°	6.6	6.0	5.7	5.2	4.8	4.8	4.8
-70°	6.1	5.9	5.6	5.1	4.8	4.8	4.8
-72.5°	6.0	5.8	5.5	5.0	4.8	4.8	4.8
-75°	6.0	5.7	5.4	5.0	4.8	4.8	4.8
-77.5°	6.0	5.7	5.3	5.0	4.8	4.8	4.8
-80°	6.0	5.6	5.2	4.9	4.8	4.8	4.8
-82.5°	5.7	5.4	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)

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

