

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: P701711 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-4S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701711 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-27)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-70-4S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

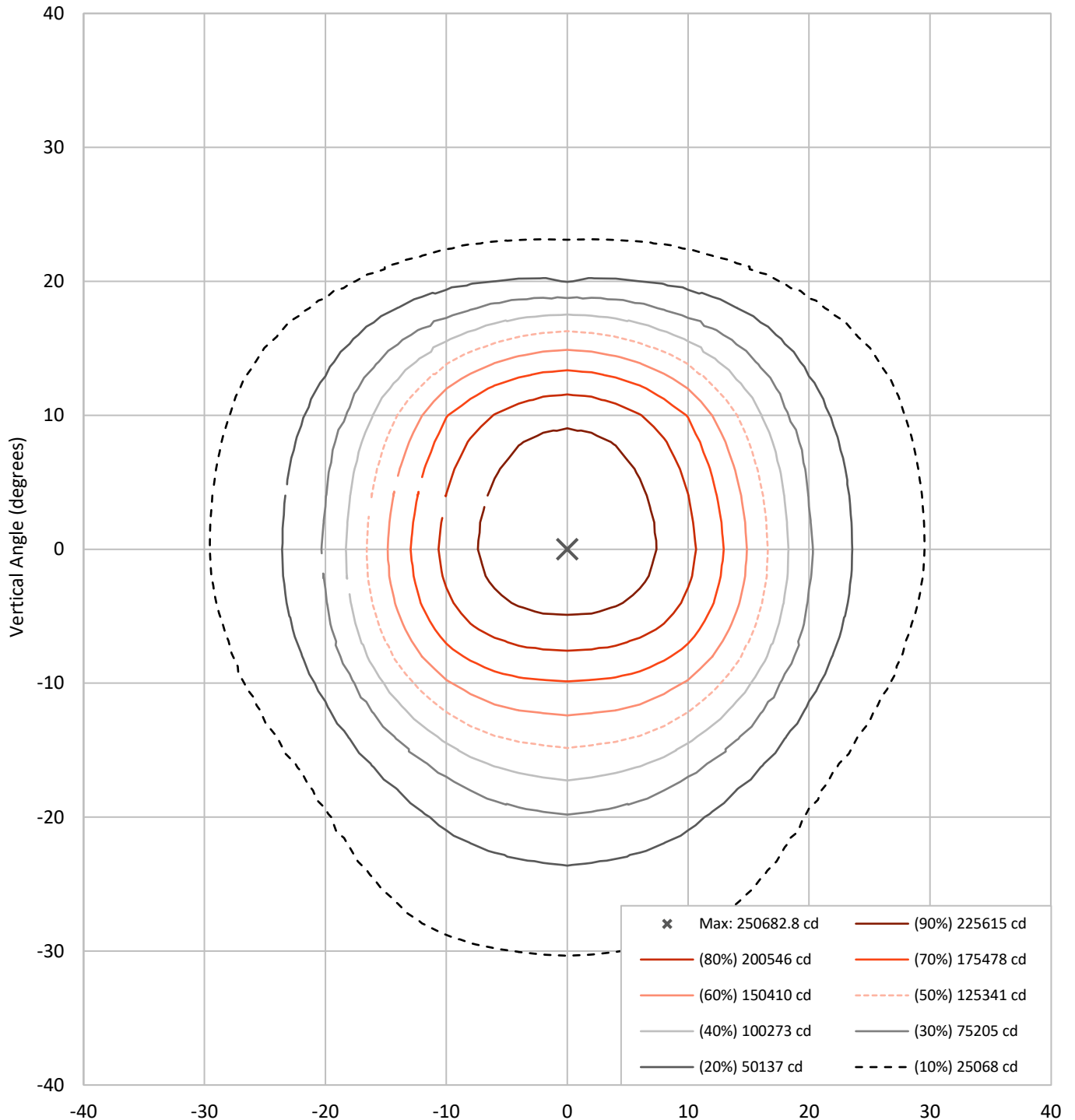
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	85412.8 lumens	Max Intensity:	250682.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	122.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 31.1°V	Field Angle (10%):	59.1°H x 53.4°V
Beam Lumens:	46681.4 lumens	Field Lumens:	75219 lumens
Beam Efficiency:	54.7%	Field Efficiency:	88.1%

Input Watts (W): 697.5
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





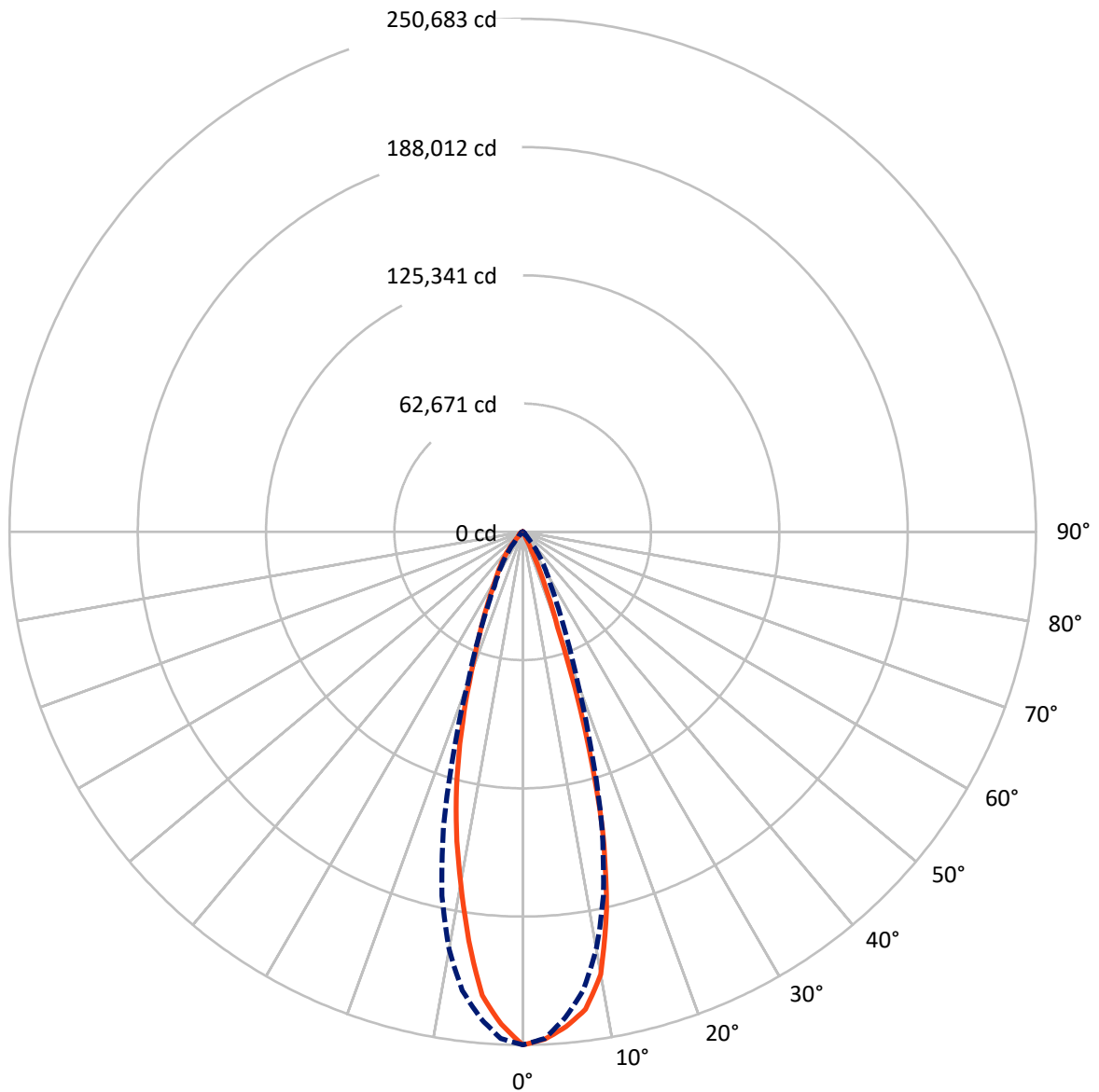
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Lumen Table

90	0.1		0.2		0.4		0.5		0.4		0.5		0.4		0.2		0.1	
80	0.1		0.2		0.4		0.5		0.4		0.5		0.4		0.2		0.1	
70	0.1	0.1	0.1	0.5	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.5	0.1	0.1	0.1		
60		0.1	0.3	0.9	0.9	0.3	0.3	0.3	0.3	0.3	0.3	0.9	0.9	0.3	0.1			
50	0.1	0.1	0.4	0.6	0.7	0.8	1.0	1.0	1.0	1.0	0.8	0.7	0.6	0.4	0.1	0.1		
40		0.2	0.9	2.5	4.6	8.0	12.2	15.1	15.1	12.2	8.0	4.6	2.5	0.9	0.2			
30	0.1	0.5	4.2	12.8	50.7	158.3	317.0	514.7	514.7	317.0	158.3	50.7	12.8	4.2	0.5	0.1		
20		1.3	9.5	31.0	209.5	715.7	2135.9	3982.1	3982.1	2135.9	715.7	209.5	31.0	9.5	1.3			
10	0.3	2.1	13.1	44.2	326.5	1162.8	3987.4	6829.7	6829.7	3987.4	1162.8	326.5	44.2	13.1	2.1	0.3		
0		2.7	13.9	45.5	322.3	1121.7	3859.5	6357.2	6357.2	3859.5	1121.7	322.3	45.5	13.9	2.7			
-10	0.5	3.2	13.3	35.1	191.6	633.8	1947.7	3471.8	3471.8	1947.7	633.8	191.6	35.1	13.3	3.2	0.5		
-20		3.3	12.8	27.1	90.2	343.6	791.5	1262.6	1262.6	791.5	343.6	90.2	27.1	12.8	3.3			
-30	0.4	2.7	11.5	23.1	44.5	127.6	319.6	485.5	485.5	319.6	127.6	44.5	23.1	11.5	2.7	0.4		
-40		1.7	8.4	19.8	33.3	50.8	77.3	104.9	104.9	77.3	50.8	33.3	19.8	8.4	1.7			
-50	0.2	0.9	4.3	12.9	25.0	36.1	46.3	53.0	53.0	46.3	36.1	25.0	12.9	4.3	0.9	0.2		
-60		0.3	1.5	4.6	10.0	16.8	23.6	27.4	27.4	23.6	16.8	10.0	4.6	1.5	0.3			
-70	0.1	0.9	4.3	12.9	25.0	36.1	46.3	53.0	53.0	46.3	36.1	25.0	12.9	4.3	0.9	0.1		
-80		0.3	1.5	4.6	10.0	16.8	23.6	27.4	27.4	23.6	16.8	10.0	4.6	1.5	0.3			
-90	0.1		0.8		3.2		8.0		10.7		8.0		3.2		0.8		0.1	

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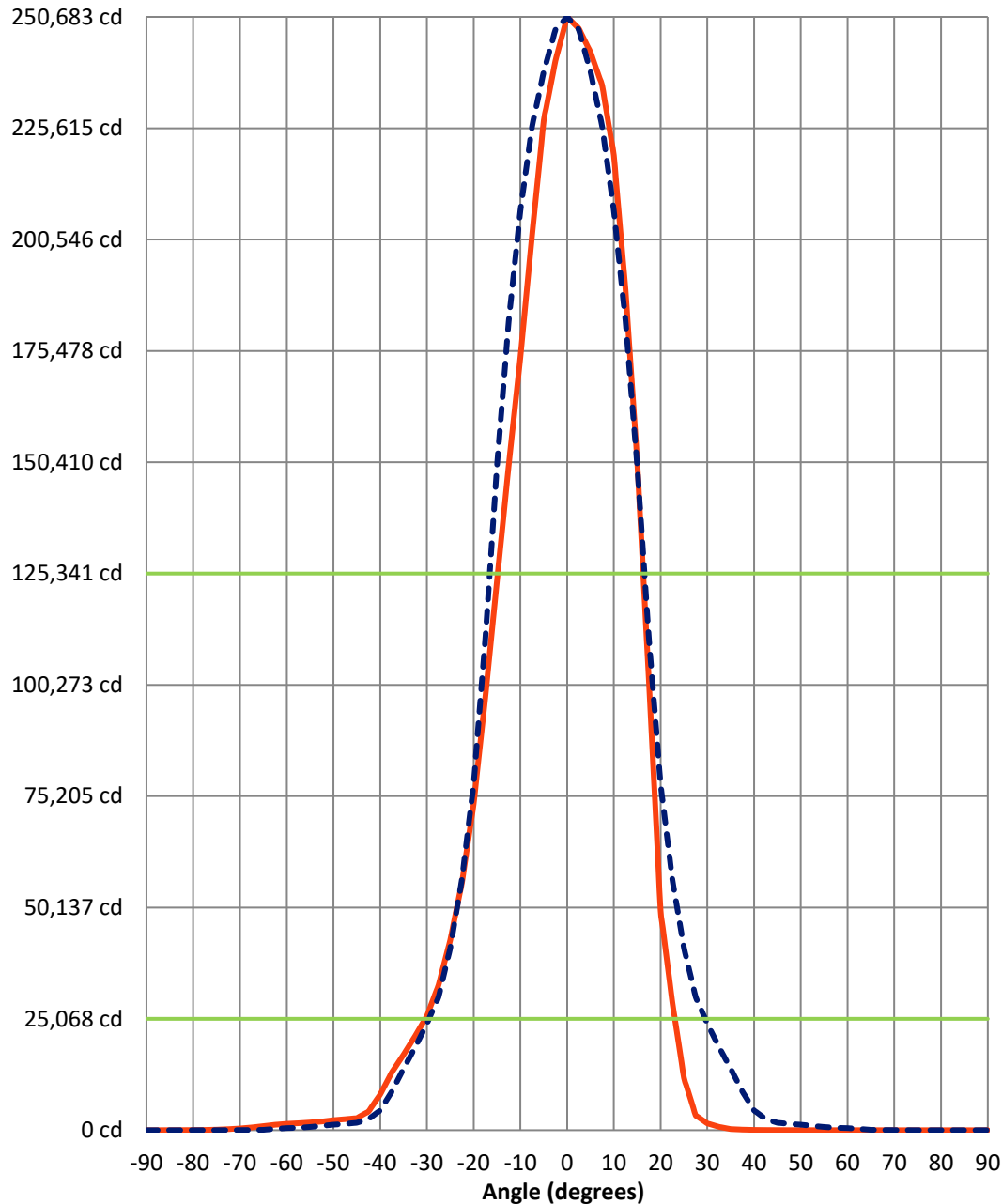
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 31.1°
 Lumens: 46681.4
 Efficiency: 54.7%

Field:
 H Angle: 59.1°
 V Angle: 53.4°
 Lumens: 75219
 Efficiency: 88.1%

Spill:
 Lumens: 10193.8
 Efficiency: 11.9%

- 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	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
87.5°	4.3	3.3	2.4	2.4	2.4	2.3	2.2	2.2	2.2	2.2	2.2
85°	4.3	3.3	2.6	2.6	2.6	2.4	2.2	2.2	2.2	2.2	2.2
82.5°	4.3	3.4	2.8	2.8	2.8	2.6	2.2	2.2	2.2	2.3	2.2
80°	4.3	3.4	2.9	3.0	2.9	2.7	2.3	2.5	2.6	2.5	2.2
77.5°	4.3	3.5	3.1	3.2	3.1	2.9	2.8	3.0	3.0	2.8	2.5
75°	4.3	3.5	3.3	3.5	3.3	3.2	3.4	3.5	3.4	3.3	3.4
72.5°	4.3	3.6	3.5	3.7	3.5	3.6	3.9	4.0	3.7	3.8	4.2
70°	4.3	3.7	3.7	3.9	3.7	3.9	4.3	4.1	4.0	4.3	4.3
67.5°	4.3	3.7	3.8	4.0	3.9	4.2	4.3	4.2	4.3	4.3	4.3
65°	4.3	3.8	4.0	4.0	4.0	4.3	4.3	4.3	4.3	4.3	4.3
62.5°	4.3	3.8	4.2	4.1	4.2	4.3	4.3	4.3	4.3	4.3	4.3
60°	4.3	3.8	4.3	4.1	4.3	4.3	4.3	4.3	4.3	4.3	4.3
57.5°	4.3	3.9	4.3	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3
55°	4.3	3.9	4.3	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3
52.5°	4.3	4.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
50°	4.3	4.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.6
47.5°	4.3	4.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	7.1
45°	4.3	4.1	4.3	4.3	4.3	4.3	4.3	4.3	4.4	5.5	8.5
42.5°	4.3	4.1	4.3	4.3	4.3	4.3	4.3	4.4	4.5	6.7	10.3
40°	4.3	4.1	4.3	4.3	4.3	4.3	4.3	4.6	5.0	7.9	12.1
37.5°	4.3	4.2	4.3	4.3	4.3	4.3	4.3	4.8	6.2	9.3	14.0
35°	4.3	4.2	4.3	4.3	4.3	4.3	4.3	5.0	7.2	11.0	15.6
32.5°	4.3	4.2	4.3	4.3	4.3	4.3	4.4	5.3	8.2	12.7	17.2
30°	4.3	4.2	4.3	4.3	4.3	4.3	4.6	5.8	9.2	14.2	19.1
27.5°	4.3	4.2	4.3	4.3	4.3	4.3	4.8	6.6	10.3	15.7	21.3
25°	4.3	4.3	4.3	4.3	4.3	4.3	5.1	7.3	11.5	17.3	23.8
22.5°	4.3	4.3	4.3	4.3	4.3	4.3	5.4	8.0	12.6	19.1	28.9
20°	4.3	4.3	4.3	4.3	4.3	4.5	5.7	8.7	13.6	21.1	34.4
17.5°	4.3	4.3	4.3	4.3	4.3	4.7	6.0	9.3	14.5	23.1	40.3
15°	4.3	4.3	4.3	4.3	4.3	4.9	6.5	10.0	15.4	25.2	46.4
12.5°	4.3	4.3	4.3	4.3	4.3	5.2	6.9	10.9	16.8	27.3	52.5
10°	4.3	4.3	4.3	4.3	4.3	5.4	7.3	11.9	18.7	31.0	58.9
7.5°	4.3	4.3	4.3	4.3	4.3	5.7	7.7	12.8	20.7	34.8	65.6
5°	4.3	4.3	4.3	4.3	4.3	6.0	8.1	13.7	22.5	38.6	71.8
2.5°	4.3	4.3	4.3	4.3	4.3	6.2	8.4	14.5	24.3	42.2	77.4
0°	4.3	4.3	4.3	4.3	4.3	6.5	8.7	15.2	26.0	45.5	82.3
-2.5°	4.3	4.3	4.3	4.3	4.5	7.2	10.7	19.2	34.9	61.4	106.1
-5°	4.3	4.3	4.3	4.3	4.7	7.9	12.6	23.1	43.5	76.6	128.7
-7.5°	4.3	4.3	4.3	4.3	4.9	8.5	14.5	26.7	51.4	90.7	149.7
-10°	4.3	4.3	4.3	4.3	5.0	9.0	16.1	30.0	58.5	103.5	168.6
-12.5°	4.3	4.3	4.3	4.3	5.2	9.5	17.6	32.9	64.5	114.4	185.4
-15°	4.3	4.3	4.3	4.3	5.3	9.9	18.8	35.3	69.4	122.8	199.2
-17.5°	4.3	4.3	4.3	4.3	5.4	10.2	19.7	37.6	73.1	129.1	209.3
-20°	4.3	4.3	4.3	4.3	5.4	10.3	20.6	39.6	75.4	133.1	215.6



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.3	4.3	4.3	4.3	5.5	10.3	21.3	41.0	76.2	134.5	217.5
-25°	4.3	4.3	4.3	4.3	5.5	10.4	21.7	41.6	75.4	133.2	214.8
-27.5°	4.3	4.3	4.3	4.3	5.4	10.4	21.6	41.3	72.9	130.3	212.9
-30°	4.3	4.3	4.3	4.3	5.3	10.2	21.0	40.3	71.2	127.2	207.4
-32.5°	4.3	4.3	4.3	4.3	5.4	9.8	20.0	39.4	69.9	121.7	198.1
-35°	4.3	4.3	4.3	4.3	5.4	9.2	19.2	38.1	67.3	113.8	184.8
-37.5°	4.3	4.3	4.3	4.3	5.4	8.7	18.4	36.0	63.5	103.3	168.4
-40°	4.3	4.3	4.3	4.3	5.4	8.7	17.3	33.2	58.4	95.9	151.9
-42.5°	4.3	4.3	4.3	4.3	5.4	8.6	16.0	29.7	53.8	87.5	132.9
-45°	4.3	4.3	4.3	4.4	5.5	8.4	14.3	26.4	48.9	77.9	113.2
-47.5°	4.3	4.3	4.3	4.4	5.5	8.2	12.2	24.0	43.0	67.3	101.1
-50°	4.3	4.3	4.3	4.5	5.5	8.0	11.6	21.2	35.5	58.6	88.0
-52.5°	4.3	4.3	4.3	4.5	5.5	7.6	11.2	17.9	30.1	48.9	74.0
-55°	4.3	4.3	4.3	4.5	5.4	7.4	10.7	14.6	25.5	38.3	61.6
-57.5°	4.3	4.3	4.3	4.5	5.3	7.1	10.1	13.9	20.7	31.5	48.1
-60°	4.3	4.3	4.3	4.5	5.1	6.8	9.5	13.0	16.5	25.8	36.3
-62.5°	4.3	4.3	4.3	4.4	5.0	6.4	8.8	11.9	15.3	19.9	29.5
-65°	4.3	4.3	4.3	4.4	4.9	6.0	8.1	10.9	13.9	17.3	22.5
-67.5°	4.3	4.3	4.3	4.4	4.8	5.6	7.3	9.8	12.4	15.5	18.9
-70°	4.3	4.3	4.3	4.3	4.7	5.3	6.4	8.7	11.2	13.6	16.6
-72.5°	4.3	4.3	4.3	4.3	4.5	5.1	5.9	7.6	9.8	12.1	14.4
-75°	4.3	4.3	4.3	4.3	4.3	4.7	5.4	6.8	8.5	10.6	12.7
-77.5°	4.3	4.3	4.3	4.3	4.3	4.4	4.9	6.1	7.5	9.2	11.0
-80°	4.3	4.3	4.3	4.3	4.3	4.3	4.4	5.3	6.5	7.8	9.3
-82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.8	5.4	6.5	7.6
-85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.6	5.0	5.5	6.1
-87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.5	4.7	4.9	5.2
-90°	4.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4	2.6	2.8	3.0
80°	2.2	2.2	2.3	2.2	2.4	2.7	3.2	3.8	4.2	4.3	4.3
77.5°	2.7	2.8	2.6	2.3	2.6	3.1	3.6	4.2	4.3	4.3	4.3
75°	3.5	3.4	2.9	2.4	2.5	3.0	3.6	4.1	4.3	4.3	4.3
72.5°	4.0	3.5	3.0	2.5	2.9	3.6	4.0	4.3	5.3	6.6	7.4
70°	4.1	3.6	3.4	3.5	3.9	4.8	6.7	9.0	11.4	12.3	13.1
67.5°	4.2	3.9	4.0	4.5	6.1	8.2	10.9	14.3	17.7	18.9	20.2
65°	4.3	4.2	4.8	6.3	8.5	11.8	15.5	19.5	25.4	28.3	29.7
62.5°	4.3	4.6	5.8	8.1	11.7	15.6	20.6	27.0	34.8	39.9	39.7
60°	4.3	4.8	7.2	10.8	14.8	19.5	25.9	34.8	45.9	53.8	48.5
57.5°	4.3	5.8	9.3	13.3	17.7	22.9	31.7	42.7	52.9	63.5	54.4
55°	4.9	7.4	11.2	15.5	20.6	26.8	35.5	44.2	55.2	59.3	49.6
52.5°	6.6	9.1	12.9	17.8	24.0	29.0	33.7	41.5	45.7	47.6	40.8
50°	8.3	11.0	14.4	20.5	25.8	28.6	29.3	34.1	36.1	34.4	31.1
47.5°	10.1	12.9	16.5	22.4	26.0	27.3	26.3	27.3	27.1	26.8	22.6
45°	12.0	15.3	19.1	23.1	25.8	25.5	25.1	22.0	25.0	24.2	22.2
42.5°	14.0	17.5	21.3	24.0	24.7	26.0	25.8	26.8	26.9	28.1	30.3
40°	15.9	19.6	23.9	25.8	25.1	29.1	35.0	37.9	34.1	41.1	47.2
37.5°	17.5	22.3	27.9	32.2	29.7	38.6	48.1	63.3	65.5	60.9	77.7
35°	19.0	25.3	37.0	47.2	49.8	53.9	80.6	104.9	120.0	111.2	124.0
32.5°	21.2	28.6	49.4	71.8	89.6	94.6	122.6	173.6	203.3	208.4	199.9
30°	25.0	40.3	68.0	102.8	142.6	178.3	202.9	261.1	309.7	362.7	394.2
27.5°	30.5	55.3	97.9	151.8	211.8	278.4	333.8	378.6	467.5	557.7	635.3
25°	37.0	86.0	131.9	213.1	308.3	400.2	477.3	546.1	663.2	804.0	1039.4
22.5°	53.0	125.3	188.8	281.9	415.6	532.0	636.0	743.0	885.9	1075.6	1568.0
20°	81.7	174.4	253.7	352.8	526.3	669.4	801.3	936.0	1115.0	1512.1	2592.5
17.5°	114.8	225.6	316.2	431.0	608.9	790.9	971.9	1120.1	1337.0	1923.1	3720.7
15°	151.1	278.3	372.6	502.4	687.1	885.1	1087.3	1299.6	1630.3	2470.8	4791.5
12.5°	189.4	331.7	423.4	567.3	760.6	974.8	1180.0	1409.8	1895.1	3301.7	6153.9
10°	228.6	384.7	469.3	625.7	828.7	1058.9	1262.7	1502.6	2102.5	3833.5	7105.2
7.5°	253.6	422.4	506.7	677.6	891.0	1136.5	1335.8	1579.2	2278.3	4171.0	7770.2
5°	272.5	441.6	519.0	700.9	932.0	1193.1	1392.5	1640.5	2419.9	4336.1	8229.7
2.5°	286.9	456.7	529.0	714.9	956.9	1219.6	1409.4	1663.6	2478.5	4435.9	8548.1
0°	296.6	467.6	536.9	723.1	974.3	1236.2	1418.1	1675.7	2487.6	4464.3	8703.4
-2.5°	312.9	476.2	553.1	737.7	983.5	1241.5	1425.4	1685.1	2524.0	4597.8	8940.7
-5°	324.8	481.3	566.9	746.7	984.8	1237.7	1425.3	1682.9	2502.9	4551.4	8641.4
-7.5°	332.9	483.4	577.7	749.7	971.7	1210.6	1396.4	1634.9	2371.6	4258.7	7828.6
-10°	338.8	490.5	591.4	745.2	942.9	1166.5	1355.4	1576.7	2202.4	3847.4	6887.0
-12.5°	347.9	502.0	604.8	738.5	912.8	1116.0	1307.8	1509.1	1997.3	3317.8	5822.5
-15°	352.5	511.5	617.2	730.7	883.3	1059.8	1254.0	1432.8	1767.5	2678.7	4640.7
-17.5°	352.5	519.4	628.9	722.8	855.9	998.9	1200.0	1377.5	1605.4	2285.7	3816.9
-20°	348.1	526.0	640.3	715.7	833.3	961.1	1156.0	1338.5	1539.2	1991.4	2999.7



REPORT NUMBER: P701711 (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°	339.1	531.7	647.6	721.4	825.1	945.3	1105.7	1291.9	1470.4	1677.1	2375.8
-25°	333.2	517.4	648.6	727.2	816.4	928.6	1051.5	1237.0	1406.1	1605.1	2047.1
-27.5°	329.3	497.8	636.7	728.6	805.6	912.2	1020.1	1172.4	1356.9	1541.9	1743.9
-30°	319.0	462.2	620.3	721.9	801.2	897.2	998.9	1113.6	1300.4	1479.7	1665.8
-32.5°	298.8	424.9	583.7	700.1	794.0	880.6	977.3	1080.6	1228.3	1413.3	1584.2
-35°	275.3	396.0	538.6	672.9	779.9	864.2	952.6	1050.1	1158.9	1326.8	1516.9
-37.5°	253.5	362.3	492.3	632.6	745.0	847.0	924.1	1016.6	1117.7	1233.5	1423.3
-40°	227.5	324.1	448.9	581.0	707.0	818.9	905.7	979.9	1073.2	1191.1	1308.8
-42.5°	198.7	291.0	402.1	527.9	652.7	771.9	884.3	956.7	1039.3	1149.1	1261.8
-45°	174.9	253.4	352.0	468.4	588.5	712.9	827.2	940.1	1019.2	1107.3	1214.4
-47.5°	148.3	214.7	304.9	404.2	518.7	636.8	759.3	876.6	997.3	1081.7	1165.7
-50°	122.8	181.8	252.6	344.1	443.9	555.2	670.4	799.2	920.8	1038.4	1135.8
-52.5°	106.6	145.8	209.4	283.1	371.9	468.8	578.7	697.7	823.0	948.0	1055.0
-55°	89.2	122.2	166.0	229.0	301.5	386.6	481.0	590.1	703.7	823.3	936.6
-57.5°	72.5	101.0	133.4	177.5	238.9	305.9	387.9	477.7	579.7	685.6	780.3
-60°	55.5	79.8	107.7	139.7	178.6	236.1	294.9	369.1	454.0	539.5	622.0
-62.5°	39.4	59.2	82.5	108.9	139.6	170.7	217.6	271.9	328.1	397.5	466.0
-65°	31.6	40.9	58.2	80.2	103.7	130.6	158.5	187.0	232.9	278.8	322.7
-67.5°	23.4	31.6	40.3	51.9	71.9	91.9	113.6	138.4	163.5	186.9	214.9
-70°	19.8	22.8	29.4	37.4	45.2	54.7	72.1	90.9	110.2	128.6	148.2
-72.5°	17.1	19.8	22.6	25.3	31.4	37.3	42.8	47.8	58.9	74.2	89.1
-75°	14.6	16.8	19.3	21.8	23.8	25.6	28.0	32.7	37.3	41.8	46.0
-77.5°	12.3	13.9	15.7	18.0	19.7	21.0	22.4	23.9	26.0	28.3	30.7
-80°	10.1	10.8	11.9	13.2	14.8	16.1	17.3	18.3	19.6	21.1	22.8
-82.5°	8.1	8.6	9.1	9.6	10.4	11.4	12.6	13.7	14.5	15.2	16.1
-85°	6.3	6.5	6.8	7.1	7.5	8.0	8.6	9.2	9.9	10.5	11.0
-87.5°	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.9	6.3	6.8	7.3
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.3	4.9	5.4	6.0	6.5	7.1	7.6	8.2	8.7	8.7	8.7
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	3.2	3.1	2.9	2.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	4.3	4.0	3.8	3.6	3.5	3.3	3.0	2.7	2.2	2.2	2.2
77.5°	4.3	4.3	4.3	4.3	4.3	3.9	3.3	2.8	2.3	2.2	2.2
75°	4.3	4.5	4.8	4.8	4.4	4.1	4.0	3.9	3.9	3.6	3.2
72.5°	7.8	7.7	7.3	7.3	7.0	6.9	7.0	6.7	6.2	6.1	6.2
70°	13.8	14.3	14.2	13.7	12.4	11.1	10.3	9.4	8.5	8.0	7.6
67.5°	21.4	21.5	20.4	18.4	15.4	12.6	11.5	10.4	9.2	8.9	9.3
65°	29.6	26.9	23.7	20.2	16.4	12.8	11.9	11.1	10.5	10.5	11.3
62.5°	36.5	29.5	23.7	19.6	16.1	12.8	11.8	10.8	9.9	9.4	9.2
60°	40.4	29.7	21.3	17.7	14.3	11.3	10.0	9.3	8.9	8.7	8.7
57.5°	40.4	28.0	18.6	15.2	12.3	9.7	8.7	8.7	8.7	8.7	8.7
55°	35.9	24.5	15.9	13.2	11.2	9.6	8.8	9.0	9.0	8.7	9.2
52.5°	28.2	20.3	14.8	12.3	11.4	10.9	10.6	10.5	10.3	10.1	10.4
50°	22.4	16.9	14.3	12.8	12.7	12.8	12.8	13.0	13.3	13.5	13.6
47.5°	18.8	15.8	16.1	14.9	15.4	16.7	17.0	17.2	17.8	17.9	17.6
45°	19.2	22.3	23.0	22.7	22.3	25.4	25.3	23.1	25.9	26.8	26.1
42.5°	31.8	34.5	36.3	37.9	39.8	42.2	43.5	42.8	45.2	45.2	42.3
40°	53.8	51.3	55.3	60.3	64.7	66.3	70.4	74.7	76.2	75.4	72.5
37.5°	88.2	84.4	84.7	95.8	105.9	93.9	111.6	118.6	114.2	129.9	133.1
35°	146.5	162.1	139.7	179.1	198.8	189.2	210.3	251.9	219.6	278.7	293.2
32.5°	260.5	297.8	321.1	354.5	403.5	468.0	484.2	587.0	620.0	667.6	718.9
30°	425.8	531.0	724.6	760.7	807.5	1029.7	1090.8	1146.7	1263.7	1353.9	1507.2
27.5°	773.7	1057.3	1462.3	1818.8	1792.7	2168.8	2587.1	2118.6	2813.7	2534.8	3201.8
25°	1448.9	2074.0	3050.5	3995.4	4446.4	5212.5	6170.7	5989.2	7253.5	7341.3	9206.0
22.5°	2755.6	4113.9	5607.1	7213.4	8771.5	10495.8	12152.9	13890.0	16501.6	20110.0	23617.1
20°	4508.6	6505.6	8917.3	11404.3	14041.6	16723.4	19839.2	25115.5	30525.3	38034.9	43340.0
17.5°	6408.1	9586.6	12547.0	15628.3	19315.4	23773.0	30218.0	39233.6	50169.1	61394.5	70078.5
15°	8067.3	11663.0	15930.2	20038.2	24622.9	31314.2	41436.7	54790.6	71053.0	88118.0	108753.8
12.5°	9672.8	13428.6	18065.9	23261.9	29492.1	39069.2	52190.4	70236.9	91780.6	117424.2	143928.3
10°	10918.6	15039.7	20201.0	26052.5	33656.8	45419.4	60667.2	81973.5	113897.9	144170.0	174435.8
7.5°	11892.2	16528.2	21995.3	28136.7	36990.9	50235.6	68478.2	95299.0	129029.8	161783.2	189660.3
5°	12757.6	17752.2	23211.0	29311.3	39391.0	53739.8	73384.5	104015.0	140010.3	172200.5	198727.9
2.5°	13439.2	18552.5	23878.8	29899.6	40936.0	55674.2	75971.9	108692.4	147088.1	178868.3	204198.4
0°	13851.9	18695.1	23990.7	30024.7	41053.4	56550.7	77991.0	110739.3	149612.5	182131.3	207044.4
-2.5°	13704.0	18375.5	23627.7	29657.5	40666.2	55729.3	76367.0	109702.2	147473.3	177897.7	202953.6
-5°	12967.4	17329.7	22206.8	27880.0	38097.5	52608.9	71763.3	102161.3	137664.5	168037.2	191615.1
-7.5°	11806.0	15868.2	20345.7	25597.9	34433.5	47546.5	65001.2	90869.7	123099.6	151124.4	172402.1
-10°	10506.6	14173.7	18053.2	22705.1	29611.7	40742.3	55318.2	75070.7	102712.4	127910.1	148028.4
-12.5°	8944.8	11995.8	15256.9	19268.6	24503.3	33577.5	45832.3	61855.5	81074.9	103497.3	121813.0
-15°	7321.7	9886.6	12585.9	16348.9	20813.4	26593.7	35402.5	48140.9	62407.0	77721.9	94340.0
-17.5°	5879.5	8051.1	10913.1	14082.5	17485.3	21507.6	28791.0	37472.2	47796.7	58720.4	68749.8
-20°	4723.0	7026.3	9597.3	12353.6	15480.1	19348.0	23822.3	30417.8	38074.2	46459.7	54494.0



REPORT NUMBER: P701711 (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°	3885.2	5950.7	8338.4	10923.7	14086.8	17568.8	21192.3	25331.6	30826.1	37273.1	43445.1
-25°	2959.2	4685.2	7001.3	9608.8	12522.6	15593.3	18534.6	21908.7	25925.5	30120.3	34442.3
-27.5°	2345.6	3564.0	5465.7	7914.3	10610.5	13014.6	15534.6	18344.2	21856.9	25506.4	27911.2
-30°	1914.4	2627.8	4055.3	5968.4	8221.8	10343.4	12412.5	14937.6	17695.1	20314.4	22440.3
-32.5°	1788.4	2107.5	2846.2	4209.7	5902.1	7795.8	9653.2	11907.3	14047.5	16120.2	17948.0
-35°	1699.5	1903.5	2182.2	2893.4	3912.8	5451.8	7148.9	9056.3	10987.9	12662.3	14212.5
-37.5°	1616.5	1793.6	1978.1	2161.6	2735.5	3439.8	4635.0	6143.7	7609.0	8964.0	10298.4
-40°	1498.2	1692.3	1841.3	1998.2	2168.9	2362.8	2988.3	3604.8	4322.1	5361.2	6271.5
-42.5°	1372.8	1534.5	1704.2	1851.1	1993.8	2142.9	2300.5	2457.2	2785.1	3192.8	3526.7
-45°	1320.3	1417.6	1534.2	1687.6	1831.1	1965.0	2093.2	2217.3	2348.3	2467.9	2565.6
-47.5°	1257.6	1346.1	1440.4	1540.4	1645.7	1775.0	1901.9	2028.2	2142.8	2249.3	2334.4
-50°	1199.6	1269.1	1353.5	1438.5	1522.7	1609.4	1697.0	1794.5	1904.0	2011.9	2100.6
-52.5°	1152.3	1215.9	1276.2	1336.5	1409.8	1483.3	1556.9	1634.5	1709.3	1780.0	1835.2
-55°	1037.2	1126.9	1215.1	1272.0	1321.4	1371.4	1427.1	1496.7	1563.0	1625.8	1662.8
-57.5°	880.5	984.4	1079.8	1147.0	1215.8	1285.5	1343.0	1392.7	1442.8	1490.7	1516.9
-60°	706.2	791.5	877.9	958.1	1034.6	1106.8	1173.9	1239.2	1299.6	1350.4	1381.2
-62.5°	533.7	604.6	674.7	741.7	806.1	868.9	940.4	1009.2	1074.8	1128.2	1161.1
-65°	371.6	429.6	484.0	536.2	586.2	639.6	695.2	749.2	801.0	842.1	869.2
-67.5°	252.7	288.5	320.9	351.9	389.9	431.1	471.8	509.7	544.4	571.1	590.1
-70°	167.9	187.0	204.1	224.2	249.0	274.1	299.3	322.7	344.0	360.0	372.0
-72.5°	103.3	116.6	129.0	142.4	155.1	168.2	181.9	195.4	208.3	217.7	224.8
-75°	49.7	55.8	66.8	76.7	85.7	94.0	101.6	108.3	114.0	117.6	120.0
-77.5°	33.9	36.7	39.4	42.1	44.9	48.2	51.7	55.0	58.1	60.5	62.7
-80°	24.5	26.0	27.2	28.3	29.2	30.6	32.2	33.7	35.2	35.8	36.2
-82.5°	16.9	18.1	19.2	20.3	21.3	22.3	23.3	24.2	25.1	25.8	26.6
-85°	11.4	12.0	12.6	13.3	14.0	14.7	15.4	16.2	16.8	17.0	17.1
-87.5°	7.9	8.1	8.3	8.4	8.5	9.1	9.6	10.2	10.7	10.8	10.8
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.7	1.1



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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°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.2
87.5°	2.2	2.2	1.1	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.8
75°	2.7	2.2	2.2	2.2	2.2	2.2	2.7	3.2	3.6	3.9	3.9
72.5°	6.3	6.4	5.4	4.3	5.4	6.4	6.3	6.2	6.1	6.2	6.7
70°	7.1	6.6	6.5	6.5	6.5	6.6	7.1	7.6	8.0	8.5	9.4
67.5°	9.9	10.6	10.8	10.8	10.8	10.6	9.9	9.3	8.9	9.2	10.4
65°	12.1	12.8	12.0	10.8	12.0	12.8	12.1	11.3	10.5	10.5	11.1
62.5°	9.1	8.9	8.7	8.7	8.7	8.9	9.1	9.2	9.4	9.9	10.8
60°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.9	9.3
57.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
55°	9.8	10.5	10.8	10.8	10.8	10.5	9.8	9.2	8.7	9.0	9.0
52.5°	10.7	10.8	10.8	10.8	10.8	10.8	10.7	10.4	10.1	10.3	10.5
50°	13.5	13.1	13.0	13.0	13.0	13.1	13.5	13.6	13.5	13.3	13.0
47.5°	16.8	15.8	15.2	15.2	15.2	15.8	16.8	17.6	17.9	17.8	17.2
45°	26.3	25.9	25.8	26.0	25.8	25.9	26.3	26.1	26.8	25.9	23.1
42.5°	43.9	44.7	43.9	41.1	43.9	44.7	43.9	42.3	45.2	45.2	42.8
40°	72.6	69.8	66.1	65.0	66.1	69.8	72.6	72.5	75.4	76.2	74.7
37.5°	134.7	134.6	131.5	129.9	131.5	134.6	134.7	133.1	129.9	114.2	118.6
35°	283.4	281.2	265.7	251.1	265.7	281.2	283.4	293.2	278.7	219.6	251.9
32.5°	736.2	775.2	771.6	749.1	771.6	775.2	736.2	718.9	667.6	620.0	587.0
30°	1566.2	1636.1	1621.4	1528.5	1621.4	1636.1	1566.2	1507.2	1353.9	1263.7	1146.7
27.5°	3237.1	3400.8	3544.9	3355.8	3544.9	3400.8	3237.1	3201.8	2534.8	2813.7	2118.6
25°	11072.9	12137.7	12767.7	11788.6	12767.7	12137.7	11072.9	9206.0	7341.3	7253.5	5989.2
22.5°	26426.5	27753.6	28461.7	28866.4	28461.7	27753.6	26426.5	23617.1	20110.0	16501.6	13890.0
20°	48475.2	51312.8	53130.5	49468.9	53130.5	51312.8	48475.2	43340.0	38034.9	30525.3	25115.5
17.5°	82125.4	92590.6	98100.5	101094.1	98100.5	92590.6	82125.4	70078.5	61394.5	50169.1	39233.6
15°	124679.3	138069.4	147111.7	150651.8	147111.7	138069.4	124679.3	108753.8	88118.0	71053.0	54790.6
12.5°	164914.5	178731.1	187074.0	189171.0	187074.0	178731.1	164914.5	143928.3	117424.2	91780.6	70236.9
10°	193532.6	206551.0	216148.1	219517.2	216148.1	206551.0	193532.6	174435.8	144170.0	113897.9	81973.5
7.5°	209464.3	224682.0	233140.5	235246.2	233140.5	224682.0	209464.3	189660.3	161783.2	129029.8	95299.0
5°	218633.4	232382.8	241629.0	242750.2	241629.0	232382.8	218633.4	198727.9	172200.5	140010.3	104015.0
2.5°	224545.4	237992.0	245771.4	248057.8	245771.4	237992.0	224545.4	204198.4	178868.3	147088.1	108692.4
0°	225996.1	238359.5	247757.9	250682.8	247757.9	238359.5	225996.1	207044.4	182131.3	149612.5	110739.3
-2.5°	221603.6	233530.4	239790.9	240806.0	239790.9	233530.4	221603.6	202953.6	177897.7	147473.3	109702.2
-5°	210386.4	219207.2	226434.4	227358.9	226434.4	219207.2	210386.4	191615.1	168037.2	137664.5	102161.3
-7.5°	186559.3	196454.3	200451.6	201533.3	200451.6	196454.3	186559.3	172402.1	151124.4	123099.6	90869.7
-10°	161207.6	169684.5	172516.3	174045.0	172516.3	169684.5	161207.6	148028.4	127910.1	102712.4	75070.7
-12.5°	136388.2	144677.3	147462.7	149675.3	147462.7	144677.3	136388.2	121813.0	103497.3	81074.9	61855.5
-15°	108580.1	116742.7	121242.7	123733.9	121242.7	116742.7	108580.1	94340.0	77721.9	62407.0	48140.9
-17.5°	81478.3	89230.2	94467.8	97515.3	94467.8	89230.2	81478.3	68749.8	58720.4	47796.7	37472.2
-20°	61779.9	67026.3	71056.9	73448.8	71056.9	67026.3	61779.9	54494.0	46459.7	38074.2	30417.8



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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°	48259.3	51893.0	54228.0	55756.1	54228.0	51893.0	48259.3	43445.1	37273.1	30826.1	25331.6
-25°	37717.5	40102.4	41612.4	42848.2	41612.4	40102.4	37717.5	34442.3	30120.3	25925.5	21908.7
-27.5°	29864.3	31142.9	31810.3	32718.0	31810.3	31142.9	29864.3	27911.2	25506.4	21856.9	18344.2
-30°	24007.9	24989.0	25519.4	25716.3	25519.4	24989.0	24007.9	22440.3	20314.4	17695.1	14937.6
-32.5°	19322.3	20249.1	20918.5	21232.5	20918.5	20249.1	19322.3	17948.0	16120.2	14047.5	11907.3
-35°	15415.5	16188.7	16716.4	17006.3	16716.4	16188.7	15415.5	14212.5	12662.3	10987.9	9056.3
-37.5°	11403.4	12251.9	12832.7	13031.3	12832.7	12251.9	11403.4	10298.4	8964.0	7609.0	6143.7
-40°	6996.4	7536.9	7885.7	8032.3	7885.7	7536.9	6996.4	6271.5	5361.2	4322.1	3604.8
-42.5°	3787.0	3985.4	4123.2	4202.3	4123.2	3985.4	3787.0	3526.7	3192.8	2785.1	2457.2
-45°	2628.8	2679.1	2710.9	2723.6	2710.9	2679.1	2628.8	2565.6	2467.9	2348.3	2217.3
-47.5°	2396.6	2450.9	2479.7	2481.1	2479.7	2450.9	2396.6	2334.4	2249.3	2142.8	2028.2
-50°	2170.8	2229.8	2259.7	2262.5	2259.7	2229.8	2170.8	2100.6	2011.9	1904.0	1794.5
-52.5°	1885.4	1932.2	1952.5	1950.7	1952.5	1932.2	1885.4	1835.2	1780.0	1709.3	1634.5
-55°	1694.8	1722.7	1735.1	1736.4	1735.1	1722.7	1694.8	1662.8	1625.8	1563.0	1496.7
-57.5°	1540.4	1561.0	1568.2	1567.5	1568.2	1561.0	1540.4	1516.9	1490.7	1442.8	1392.7
-60°	1408.1	1430.6	1436.8	1433.3	1436.8	1430.6	1408.1	1381.2	1350.4	1299.6	1239.2
-62.5°	1188.0	1208.6	1218.8	1221.1	1218.8	1208.6	1188.0	1161.1	1128.2	1074.8	1009.2
-65°	890.4	905.9	914.0	915.8	914.0	905.9	890.4	869.2	842.1	801.0	749.2
-67.5°	604.8	615.2	618.5	617.0	618.5	615.2	604.8	590.1	571.1	544.4	509.7
-70°	381.7	388.9	390.8	389.7	390.8	388.9	381.7	372.0	360.0	344.0	322.7
-72.5°	230.6	235.0	235.3	233.8	235.3	235.0	230.6	224.8	217.7	208.3	195.4
-75°	121.5	122.2	122.0	121.2	122.0	122.2	121.5	120.0	117.6	114.0	108.3
-77.5°	64.7	66.5	65.9	65.0	65.9	66.5	64.7	62.7	60.5	58.1	55.0
-80°	36.5	36.7	36.8	36.8	36.8	36.7	36.5	36.2	35.8	35.2	33.7
-82.5°	27.3	28.0	27.0	26.0	27.0	28.0	27.3	26.6	25.8	25.1	24.2
-85°	17.2	17.3	17.3	17.3	17.3	17.3	17.2	17.1	17.0	16.8	16.2
-87.5°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.7	10.2
-90°	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.1	1.7	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.6	7.1	6.5	6.0	5.4	4.9	4.3	4.3	4.3	4.3	4.3
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.6	2.9	3.1	3.2	3.0	2.8	2.6	2.4
80°	3.0	3.3	3.5	3.6	3.8	4.0	4.3	4.3	4.3	4.2	3.8
77.5°	3.3	3.9	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2
75°	4.0	4.1	4.4	4.8	4.8	4.5	4.3	4.3	4.3	4.3	4.1
72.5°	7.0	6.9	7.0	7.3	7.3	7.7	7.8	7.4	6.6	5.3	4.3
70°	10.3	11.1	12.4	13.7	14.2	14.3	13.8	13.1	12.3	11.4	9.0
67.5°	11.5	12.6	15.4	18.4	20.4	21.5	21.4	20.2	18.9	17.7	14.3
65°	11.9	12.8	16.4	20.2	23.7	26.9	29.6	29.7	28.3	25.4	19.5
62.5°	11.8	12.8	16.1	19.6	23.7	29.5	36.5	39.7	39.9	34.8	27.0
60°	10.0	11.3	14.3	17.7	21.3	29.7	40.4	48.5	53.8	45.9	34.8
57.5°	8.7	9.7	12.3	15.2	18.6	28.0	40.4	54.4	63.5	52.9	42.7
55°	8.8	9.6	11.2	13.2	15.9	24.5	35.9	49.6	59.3	55.2	44.2
52.5°	10.6	10.9	11.4	12.3	14.8	20.3	28.2	40.8	47.6	45.7	41.5
50°	12.8	12.8	12.7	12.8	14.3	16.9	22.4	31.1	34.4	36.1	34.1
47.5°	17.0	16.7	15.4	14.9	16.1	15.8	18.8	22.6	26.8	27.1	27.3
45°	25.3	25.4	22.3	22.7	23.0	22.3	19.2	22.2	24.2	25.0	22.0
42.5°	43.5	42.2	39.8	37.9	36.3	34.5	31.8	30.3	28.1	26.9	26.8
40°	70.4	66.3	64.7	60.3	55.3	51.3	53.8	47.2	41.1	34.1	37.9
37.5°	111.6	93.9	105.9	95.8	84.7	84.4	88.2	77.7	60.9	65.5	63.3
35°	210.3	189.2	198.8	179.1	139.7	162.1	146.5	124.0	111.2	120.0	104.9
32.5°	484.2	468.0	403.5	354.5	321.1	297.8	260.5	199.9	208.4	203.3	173.6
30°	1090.8	1029.7	807.5	760.7	724.6	531.0	425.8	394.2	362.7	309.7	261.1
27.5°	2587.1	2168.8	1792.7	1818.8	1462.3	1057.3	773.7	635.3	557.7	467.5	378.6
25°	6170.7	5212.5	4446.4	3995.4	3050.5	2074.0	1448.9	1039.4	804.0	663.2	546.1
22.5°	12152.9	10495.8	8771.5	7213.4	5607.1	4113.9	2755.6	1568.0	1075.6	885.9	743.0
20°	19839.2	16723.4	14041.6	11404.3	8917.3	6505.6	4508.6	2592.5	1512.1	1115.0	936.0
17.5°	30218.0	23773.0	19315.4	15628.3	12547.0	9586.6	6408.1	3720.7	1923.1	1337.0	1120.1
15°	41436.7	31314.2	24622.9	20038.2	15930.2	11663.0	8067.3	4791.5	2470.8	1630.3	1299.6
12.5°	52190.4	39069.2	29492.1	23261.9	18065.9	13428.6	9672.8	6153.9	3301.7	1895.1	1409.8
10°	60667.2	45419.4	33656.8	26052.5	20201.0	15039.7	10918.6	7105.2	3833.5	2102.5	1502.6
7.5°	68478.2	50235.6	36990.9	28136.7	21995.3	16528.2	11892.2	7770.2	4171.0	2278.3	1579.2
5°	73384.5	53739.8	39391.0	29311.3	23211.0	17752.2	12757.6	8229.7	4336.1	2419.9	1640.5
2.5°	75971.9	55674.2	40936.0	29899.6	23878.8	18552.5	13439.2	8548.1	4435.9	2478.5	1663.6
0°	77991.0	56550.7	41053.4	30024.7	23990.7	18695.1	13851.9	8703.4	4464.3	2487.6	1675.7
-2.5°	76367.0	55729.3	40666.2	29657.5	23627.7	18375.5	13704.0	8940.7	4597.8	2524.0	1685.1
-5°	71763.3	52608.9	38097.5	27880.0	22206.8	17329.7	12967.4	8641.4	4551.4	2502.9	1682.9
-7.5°	65001.2	47546.5	34433.5	25597.9	20345.7	15868.2	11806.0	7828.6	4258.7	2371.6	1634.9
-10°	55318.2	40742.3	29611.7	22705.1	18053.2	14173.7	10506.6	6887.0	3847.4	2202.4	1576.7
-12.5°	45832.3	33577.5	24503.3	19268.6	15256.9	11995.8	8944.8	5822.5	3317.8	1997.3	1509.1
-15°	35402.5	26593.7	20813.4	16348.9	12585.9	9886.6	7321.7	4640.7	2678.7	1767.5	1432.8
-17.5°	28791.0	21507.6	17485.3	14082.5	10913.1	8051.1	5879.5	3816.9	2285.7	1605.4	1377.5
-20°	23822.3	19348.0	15480.1	12353.6	9597.3	7026.3	4723.0	2999.7	1991.4	1539.2	1338.5



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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°	21192.3	17568.8	14086.8	10923.7	8338.4	5950.7	3885.2	2375.8	1677.1	1470.4	1291.9
-25°	18534.6	15593.3	12522.6	9608.8	7001.3	4685.2	2959.2	2047.1	1605.1	1406.1	1237.0
-27.5°	15534.6	13014.6	10610.5	7914.3	5465.7	3564.0	2345.6	1743.9	1541.9	1356.9	1172.4
-30°	12412.5	10343.4	8221.8	5968.4	4055.3	2627.8	1914.4	1665.8	1479.7	1300.4	1113.6
-32.5°	9653.2	7795.8	5902.1	4209.7	2846.2	2107.5	1788.4	1584.2	1413.3	1228.3	1080.6
-35°	7148.9	5451.8	3912.8	2893.4	2182.2	1903.5	1699.5	1516.9	1326.8	1158.9	1050.1
-37.5°	4635.0	3439.8	2735.5	2161.6	1978.1	1793.6	1616.5	1423.3	1233.5	1117.7	1016.6
-40°	2988.3	2362.8	2168.9	1998.2	1841.3	1692.3	1498.2	1308.8	1191.1	1073.2	979.9
-42.5°	2300.5	2142.9	1993.8	1851.1	1704.2	1534.5	1372.8	1261.8	1149.1	1039.3	956.7
-45°	2093.2	1965.0	1831.1	1687.6	1534.2	1417.6	1320.3	1214.4	1107.3	1019.2	940.1
-47.5°	1901.9	1775.0	1645.7	1540.4	1440.4	1346.1	1257.6	1165.7	1081.7	997.3	876.6
-50°	1697.0	1609.4	1522.7	1438.5	1353.5	1269.1	1199.6	1135.8	1038.4	920.8	799.2
-52.5°	1556.9	1483.3	1409.8	1336.5	1276.2	1215.9	1152.3	1055.0	948.0	823.0	697.7
-55°	1427.1	1371.4	1321.4	1272.0	1215.1	1126.9	1037.2	936.6	823.3	703.7	590.1
-57.5°	1343.0	1285.5	1215.8	1147.0	1079.8	984.4	880.5	780.3	685.6	579.7	477.7
-60°	1173.9	1106.8	1034.6	958.1	877.9	791.5	706.2	622.0	539.5	454.0	369.1
-62.5°	940.4	868.9	806.1	741.7	674.7	604.6	533.7	466.0	397.5	328.1	271.9
-65°	695.2	639.6	586.2	536.2	484.0	429.6	371.6	322.7	278.8	232.9	187.0
-67.5°	471.8	431.1	389.9	351.9	320.9	288.5	252.7	214.9	186.9	163.5	138.4
-70°	299.3	274.1	249.0	224.2	204.1	187.0	167.9	148.2	128.6	110.2	90.9
-72.5°	181.9	168.2	155.1	142.4	129.0	116.6	103.3	89.1	74.2	58.9	47.8
-75°	101.6	94.0	85.7	76.7	66.8	55.8	49.7	46.0	41.8	37.3	32.7
-77.5°	51.7	48.2	44.9	42.1	39.4	36.7	33.9	30.7	28.3	26.0	23.9
-80°	32.2	30.6	29.2	28.3	27.2	26.0	24.5	22.8	21.1	19.6	18.3
-82.5°	23.3	22.3	21.3	20.3	19.2	18.1	16.9	16.1	15.2	14.5	13.7
-85°	15.4	14.7	14.0	13.3	12.6	12.0	11.4	11.0	10.5	9.9	9.2
-87.5°	9.6	9.1	8.5	8.4	8.3	8.1	7.9	7.3	6.8	6.3	5.9
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2
80°	3.2	2.7	2.4	2.2	2.3	2.2	2.2	2.2	2.5	2.6	2.5
77.5°	3.6	3.1	2.6	2.3	2.6	2.8	2.7	2.5	2.8	3.0	3.0
75°	3.6	3.0	2.5	2.4	2.9	3.4	3.5	3.4	3.3	3.4	3.5
72.5°	4.0	3.6	2.9	2.5	3.0	3.5	4.0	4.2	3.8	3.7	4.0
70°	6.7	4.8	3.9	3.5	3.4	3.6	4.1	4.3	4.3	4.0	4.1
67.5°	10.9	8.2	6.1	4.5	4.0	3.9	4.2	4.3	4.3	4.3	4.2
65°	15.5	11.8	8.5	6.3	4.8	4.2	4.3	4.3	4.3	4.3	4.3
62.5°	20.6	15.6	11.7	8.1	5.8	4.6	4.3	4.3	4.3	4.3	4.3
60°	25.9	19.5	14.8	10.8	7.2	4.8	4.3	4.3	4.3	4.3	4.3
57.5°	31.7	22.9	17.7	13.3	9.3	5.8	4.3	4.3	4.3	4.3	4.3
55°	35.5	26.8	20.6	15.5	11.2	7.4	4.9	4.3	4.3	4.3	4.3
52.5°	33.7	29.0	24.0	17.8	12.9	9.1	6.6	4.3	4.3	4.3	4.3
50°	29.3	28.6	25.8	20.5	14.4	11.0	8.3	5.6	4.3	4.3	4.3
47.5°	26.3	27.3	26.0	22.4	16.5	12.9	10.1	7.1	4.3	4.3	4.3
45°	25.1	25.5	25.8	23.1	19.1	15.3	12.0	8.5	5.5	4.4	4.3
42.5°	25.8	26.0	24.7	24.0	21.3	17.5	14.0	10.3	6.7	4.5	4.4
40°	35.0	29.1	25.1	25.8	23.9	19.6	15.9	12.1	7.9	5.0	4.6
37.5°	48.1	38.6	29.7	32.2	27.9	22.3	17.5	14.0	9.3	6.2	4.8
35°	80.6	53.9	49.8	47.2	37.0	25.3	19.0	15.6	11.0	7.2	5.0
32.5°	122.6	94.6	89.6	71.8	49.4	28.6	21.2	17.2	12.7	8.2	5.3
30°	202.9	178.3	142.6	102.8	68.0	40.3	25.0	19.1	14.2	9.2	5.8
27.5°	333.8	278.4	211.8	151.8	97.9	55.3	30.5	21.3	15.7	10.3	6.6
25°	477.3	400.2	308.3	213.1	131.9	86.0	37.0	23.8	17.3	11.5	7.3
22.5°	636.0	532.0	415.6	281.9	188.8	125.3	53.0	28.9	19.1	12.6	8.0
20°	801.3	669.4	526.3	352.8	253.7	174.4	81.7	34.4	21.1	13.6	8.7
17.5°	971.9	790.9	608.9	431.0	316.2	225.6	114.8	40.3	23.1	14.5	9.3
15°	1087.3	885.1	687.1	502.4	372.6	278.3	151.1	46.4	25.2	15.4	10.0
12.5°	1180.0	974.8	760.6	567.3	423.4	331.7	189.4	52.5	27.3	16.8	10.9
10°	1262.7	1058.9	828.7	625.7	469.3	384.7	228.6	58.9	31.0	18.7	11.9
7.5°	1335.8	1136.5	891.0	677.6	506.7	422.4	253.6	65.6	34.8	20.7	12.8
5°	1392.5	1193.1	932.0	700.9	519.0	441.6	272.5	71.8	38.6	22.5	13.7
2.5°	1409.4	1219.6	956.9	714.9	529.0	456.7	286.9	77.4	42.2	24.3	14.5
0°	1418.1	1236.2	974.3	723.1	536.9	467.6	296.6	82.3	45.5	26.0	15.2
-2.5°	1425.4	1241.5	983.5	737.7	553.1	476.2	312.9	106.1	61.4	34.9	19.2
-5°	1425.3	1237.7	984.8	746.7	566.9	481.3	324.8	128.7	76.6	43.5	23.1
-7.5°	1396.4	1210.6	971.7	749.7	577.7	483.4	332.9	149.7	90.7	51.4	26.7
-10°	1355.4	1166.5	942.9	745.2	591.4	490.5	338.8	168.6	103.5	58.5	30.0
-12.5°	1307.8	1116.0	912.8	738.5	604.8	502.0	347.9	185.4	114.4	64.5	32.9
-15°	1254.0	1059.8	883.3	730.7	617.2	511.5	352.5	199.2	122.8	69.4	35.3
-17.5°	1200.0	998.9	855.9	722.8	628.9	519.4	352.5	209.3	129.1	73.1	37.6
-20°	1156.0	961.1	833.3	715.7	640.3	526.0	348.1	215.6	133.1	75.4	39.6



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1105.7	945.3	825.1	721.4	647.6	531.7	339.1	217.5	134.5	76.2	41.0
-25°	1051.5	928.6	816.4	727.2	648.6	517.4	333.2	214.8	133.2	75.4	41.6
-27.5°	1020.1	912.2	805.6	728.6	636.7	497.8	329.3	212.9	130.3	72.9	41.3
-30°	998.9	897.2	801.2	721.9	620.3	462.2	319.0	207.4	127.2	71.2	40.3
-32.5°	977.3	880.6	794.0	700.1	583.7	424.9	298.8	198.1	121.7	69.9	39.4
-35°	952.6	864.2	779.9	672.9	538.6	396.0	275.3	184.8	113.8	67.3	38.1
-37.5°	924.1	847.0	745.0	632.6	492.3	362.3	253.5	168.4	103.3	63.5	36.0
-40°	905.7	818.9	707.0	581.0	448.9	324.1	227.5	151.9	95.9	58.4	33.2
-42.5°	884.3	771.9	652.7	527.9	402.1	291.0	198.7	132.9	87.5	53.8	29.7
-45°	827.2	712.9	588.5	468.4	352.0	253.4	174.9	113.2	77.9	48.9	26.4
-47.5°	759.3	636.8	518.7	404.2	304.9	214.7	148.3	101.1	67.3	43.0	24.0
-50°	670.4	555.2	443.9	344.1	252.6	181.8	122.8	88.0	58.6	35.5	21.2
-52.5°	578.7	468.8	371.9	283.1	209.4	145.8	106.6	74.0	48.9	30.1	17.9
-55°	481.0	386.6	301.5	229.0	166.0	122.2	89.2	61.6	38.3	25.5	14.6
-57.5°	387.9	305.9	238.9	177.5	133.4	101.0	72.5	48.1	31.5	20.7	13.9
-60°	294.9	236.1	178.6	139.7	107.7	79.8	55.5	36.3	25.8	16.5	13.0
-62.5°	217.6	170.7	139.6	108.9	82.5	59.2	39.4	29.5	19.9	15.3	11.9
-65°	158.5	130.6	103.7	80.2	58.2	40.9	31.6	22.5	17.3	13.9	10.9
-67.5°	113.6	91.9	71.9	51.9	40.3	31.6	23.4	18.9	15.5	12.4	9.8
-70°	72.1	54.7	45.2	37.4	29.4	22.8	19.8	16.6	13.6	11.2	8.7
-72.5°	42.8	37.3	31.4	25.3	22.6	19.8	17.1	14.4	12.1	9.8	7.6
-75°	28.0	25.6	23.8	21.8	19.3	16.8	14.6	12.7	10.6	8.5	6.8
-77.5°	22.4	21.0	19.7	18.0	15.7	13.9	12.3	11.0	9.2	7.5	6.1
-80°	17.3	16.1	14.8	13.2	11.9	10.8	10.1	9.3	7.8	6.5	5.3
-82.5°	12.6	11.4	10.4	9.6	9.1	8.6	8.1	7.6	6.5	5.4	4.8
-85°	8.6	8.0	7.5	7.1	6.8	6.5	6.3	6.1	5.5	5.0	4.6
-87.5°	5.8	5.7	5.6	5.6	5.5	5.4	5.3	5.2	4.9	4.7	4.5
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
87.5°	2.2	2.3	2.4	2.4	2.4	3.3	4.3
85°	2.2	2.4	2.6	2.6	2.6	3.3	4.3
82.5°	2.2	2.6	2.8	2.8	2.8	3.4	4.3
80°	2.3	2.7	2.9	3.0	2.9	3.4	4.3
77.5°	2.8	2.9	3.1	3.2	3.1	3.5	4.3
75°	3.4	3.2	3.3	3.5	3.3	3.5	4.3
72.5°	3.9	3.6	3.5	3.7	3.5	3.6	4.3
70°	4.3	3.9	3.7	3.9	3.7	3.7	4.3
67.5°	4.3	4.2	3.9	4.0	3.8	3.7	4.3
65°	4.3	4.3	4.0	4.0	4.0	3.8	4.3
62.5°	4.3	4.3	4.2	4.1	4.2	3.8	4.3
60°	4.3	4.3	4.3	4.1	4.3	3.8	4.3
57.5°	4.3	4.3	4.3	4.2	4.3	3.9	4.3
55°	4.3	4.3	4.3	4.2	4.3	3.9	4.3
52.5°	4.3	4.3	4.3	4.3	4.3	4.0	4.3
50°	4.3	4.3	4.3	4.3	4.3	4.0	4.3
47.5°	4.3	4.3	4.3	4.3	4.3	4.0	4.3
45°	4.3	4.3	4.3	4.3	4.3	4.1	4.3
42.5°	4.3	4.3	4.3	4.3	4.3	4.1	4.3
40°	4.3	4.3	4.3	4.3	4.3	4.1	4.3
37.5°	4.3	4.3	4.3	4.3	4.3	4.2	4.3
35°	4.3	4.3	4.3	4.3	4.3	4.2	4.3
32.5°	4.4	4.3	4.3	4.3	4.3	4.2	4.3
30°	4.6	4.3	4.3	4.3	4.3	4.2	4.3
27.5°	4.8	4.3	4.3	4.3	4.3	4.2	4.3
25°	5.1	4.3	4.3	4.3	4.3	4.3	4.3
22.5°	5.4	4.3	4.3	4.3	4.3	4.3	4.3
20°	5.7	4.5	4.3	4.3	4.3	4.3	4.3
17.5°	6.0	4.7	4.3	4.3	4.3	4.3	4.3
15°	6.5	4.9	4.3	4.3	4.3	4.3	4.3
12.5°	6.9	5.2	4.3	4.3	4.3	4.3	4.3
10°	7.3	5.4	4.3	4.3	4.3	4.3	4.3
7.5°	7.7	5.7	4.3	4.3	4.3	4.3	4.3
5°	8.1	6.0	4.3	4.3	4.3	4.3	4.3
2.5°	8.4	6.2	4.3	4.3	4.3	4.3	4.3
0°	8.7	6.5	4.3	4.3	4.3	4.3	4.3
-2.5°	10.7	7.2	4.5	4.3	4.3	4.3	4.3
-5°	12.6	7.9	4.7	4.3	4.3	4.3	4.3
-7.5°	14.5	8.5	4.9	4.3	4.3	4.3	4.3
-10°	16.1	9.0	5.0	4.3	4.3	4.3	4.3
-12.5°	17.6	9.5	5.2	4.3	4.3	4.3	4.3
-15°	18.8	9.9	5.3	4.3	4.3	4.3	4.3
-17.5°	19.7	10.2	5.4	4.3	4.3	4.3	4.3
-20°	20.6	10.3	5.4	4.3	4.3	4.3	4.3



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-4S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	21.3	10.3	5.5	4.3	4.3	4.3	4.3
-25°	21.7	10.4	5.5	4.3	4.3	4.3	4.3
-27.5°	21.6	10.4	5.4	4.3	4.3	4.3	4.3
-30°	21.0	10.2	5.3	4.3	4.3	4.3	4.3
-32.5°	20.0	9.8	5.4	4.3	4.3	4.3	4.3
-35°	19.2	9.2	5.4	4.3	4.3	4.3	4.3
-37.5°	18.4	8.7	5.4	4.3	4.3	4.3	4.3
-40°	17.3	8.7	5.4	4.3	4.3	4.3	4.3
-42.5°	16.0	8.6	5.4	4.3	4.3	4.3	4.3
-45°	14.3	8.4	5.5	4.4	4.3	4.3	4.3
-47.5°	12.2	8.2	5.5	4.4	4.3	4.3	4.3
-50°	11.6	8.0	5.5	4.5	4.3	4.3	4.3
-52.5°	11.2	7.6	5.5	4.5	4.3	4.3	4.3
-55°	10.7	7.4	5.4	4.5	4.3	4.3	4.3
-57.5°	10.1	7.1	5.3	4.5	4.3	4.3	4.3
-60°	9.5	6.8	5.1	4.5	4.3	4.3	4.3
-62.5°	8.8	6.4	5.0	4.4	4.3	4.3	4.3
-65°	8.1	6.0	4.9	4.4	4.3	4.3	4.3
-67.5°	7.3	5.6	4.8	4.4	4.3	4.3	4.3
-70°	6.4	5.3	4.7	4.3	4.3	4.3	4.3
-72.5°	5.9	5.1	4.5	4.3	4.3	4.3	4.3
-75°	5.4	4.7	4.3	4.3	4.3	4.3	4.3
-77.5°	4.9	4.4	4.3	4.3	4.3	4.3	4.3
-80°	4.4	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
-85°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
-87.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3
-90°	2.2	2.2	2.2	2.2	2.2	3.3	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

