

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: P701448 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-4S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701448 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-25)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-57-80-4S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

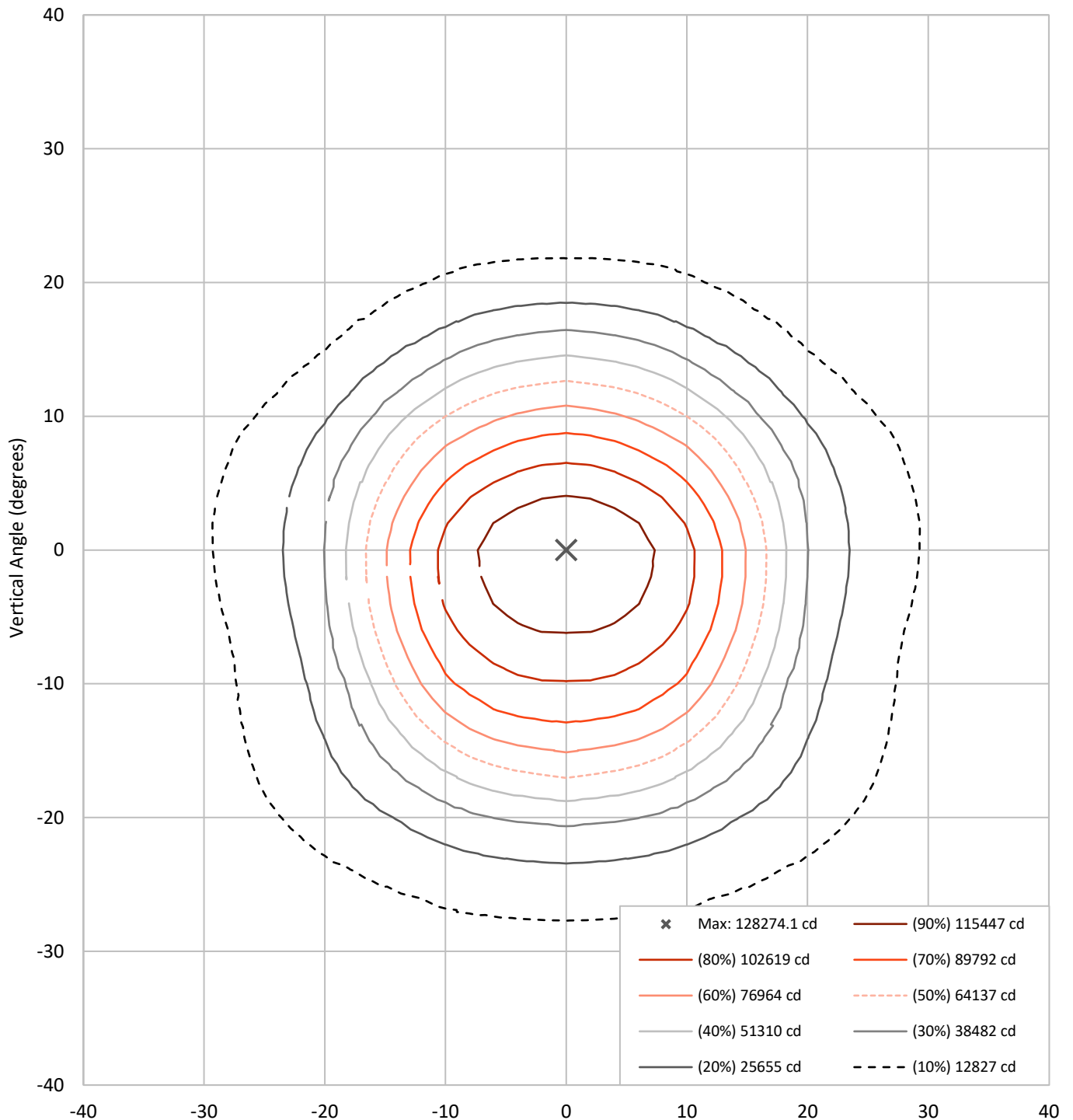
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	41053.5 lumens	Max Intensity:	128274.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	119.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.2°H x 29.7°V	Field Angle (10%):	58.6°H x 49.3°V
Beam Lumens:	22527.4 lumens	Field Lumens:	36093.8 lumens
Beam Efficiency:	54.9%	Field Efficiency:	87.9%

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





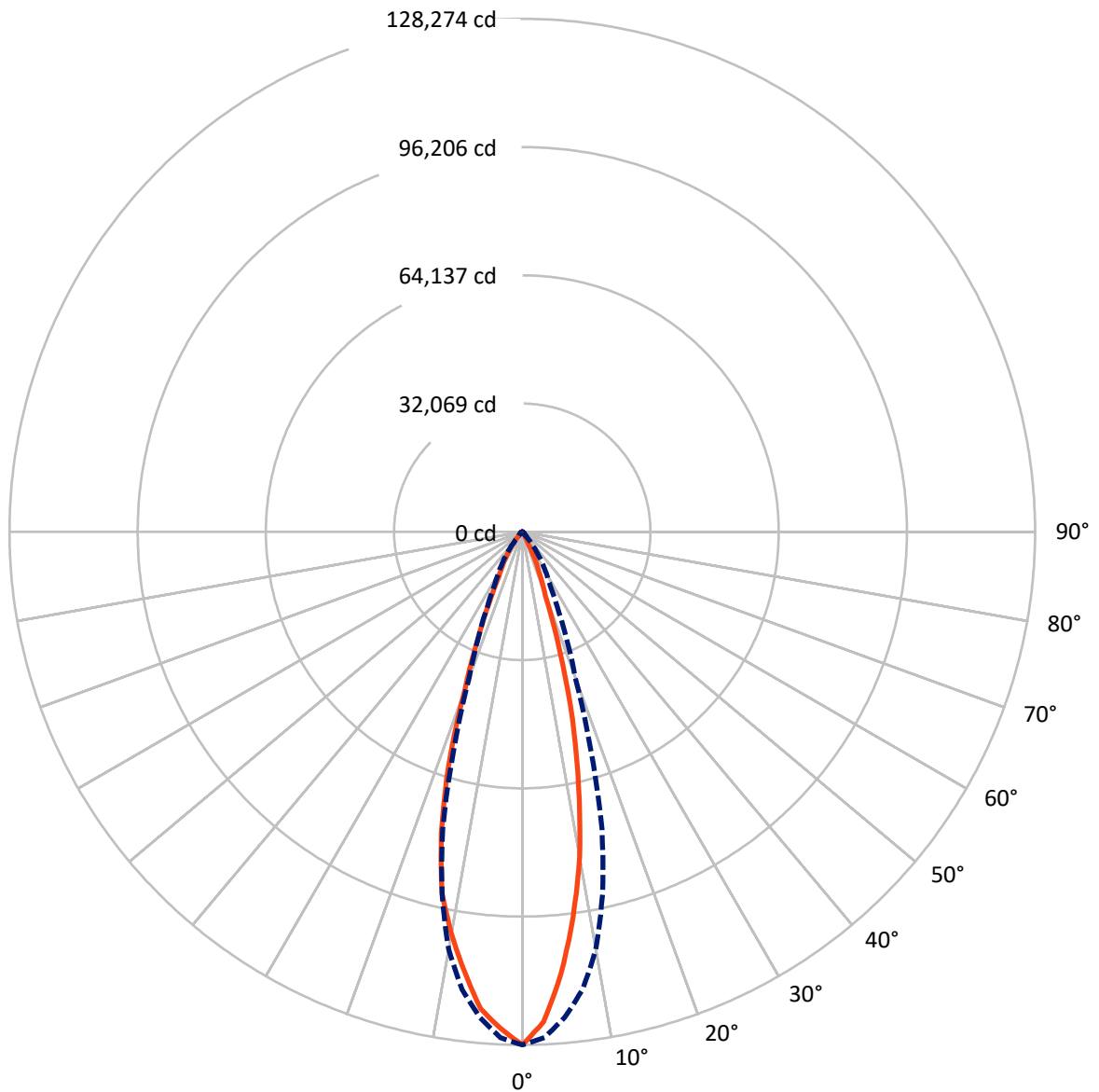
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Lumen Table

90	0.1		0.3		0.3		0.3		0.3		0.3		0.3		0.1	
80	0.1		0.3		0.3		0.3		0.3		0.3		0.3		0.1	
70	0.1	0.1	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.1	0.1
60		0.1	0.2	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.2	0.1	
50	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.8	0.8	0.7	0.5	0.4	0.3	0.2	0.1	0.1
40		0.1	0.5	1.0	1.7	3.9	7.7	10.7	10.7	7.7	3.9	1.7	1.0	0.5	0.1	
30	0.1	0.2	1.5	4.0	15.0	54.7	129.7	219.3	219.3	129.7	54.7	15.0	4.0	1.5	0.2	0.1
20		0.5	3.4	10.8	66.5	230.1	706.1	1334.2	1334.2	706.1	230.1	66.5	10.8	3.4	0.5	
10	0.2	0.9	5.7	20.4	154.8	551.4	1829.0	3090.3	3090.3	1829.0	551.4	154.8	20.4	5.7	0.9	0.2
0		1.6	7.6	24.2	161.3	568.6	2052.8	3392.8	3392.8	2052.8	568.6	161.3	24.2	7.6	1.6	
-10	0.3	1.8	7.8	20.8	125.9	419.2	1226.0	2141.8	2141.8	1226.0	419.2	125.9	20.8	7.8	1.8	0.3
-20		1.7	6.7	14.3	54.4	198.9	414.1	619.7	619.7	414.1	198.9	54.4	14.3	6.7	1.7	
-30	0.2	1.3	5.1	9.9	18.7	53.7	122.0	172.3	172.3	122.0	53.7	18.7	9.9	5.1	1.3	0.2
-40		0.8	3.4	7.5	12.3	18.7	27.4	35.8	35.8	27.4	18.7	12.3	7.5	3.4	0.8	
-50	0.1	0.4	1.8	5.0	9.1	13.1	16.8	19.1	19.1	16.8	13.1	9.1	5.0	1.8	0.4	0.1
-60		0.2	0.7	2.0	4.4	7.6	10.9	12.8	12.8	10.9	7.6	4.4	2.0	0.7	0.2	
-70	0.1	0.4	1.8	5.0	9.1	13.1	16.8	19.1	19.1	16.8	13.1	9.1	5.0	1.8	0.4	0.1
-80		0.2	0.7	2.0	4.4	7.6	10.9	12.8	12.8	10.9	7.6	4.4	2.0	0.7	0.2	
-90	0.1		0.5		1.6		4.3		6.1		4.3		1.6		0.5	

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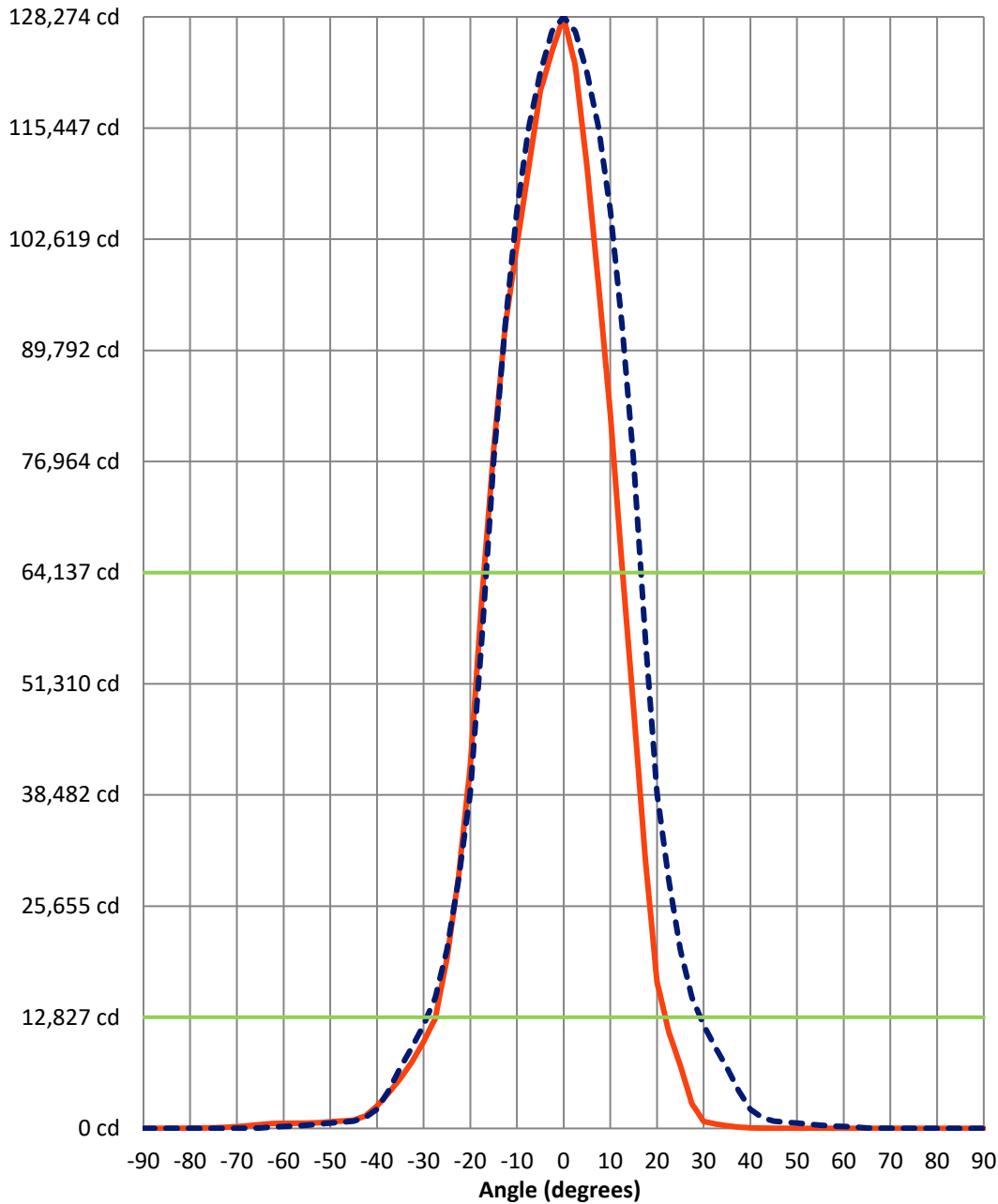
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.2°
 V Angle: 29.7°
 Lumens: 22527.4
 Efficiency: 54.9%

Field:
 H Angle: 58.6°
 V Angle: 49.3°
 Lumens: 36093.8
 Efficiency: 87.9%

Spill:
 Lumens: 4959.8
 Efficiency: 12.1%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.7	4.7	4.7	4.5
77.5°	4.5	4.5	4.5	4.5	4.5	4.6	4.8	5.0	5.0	4.8	4.6
75°	4.5	4.5	4.5	4.5	4.5	4.8	5.1	5.3	5.2	4.9	4.6
72.5°	4.5	4.5	4.5	4.5	4.7	5.1	5.4	5.5	5.2	4.9	4.6
70°	4.5	4.5	4.5	4.5	4.9	5.3	5.7	5.5	5.2	5.0	5.0
67.5°	4.5	4.5	4.5	4.7	5.1	5.6	5.7	5.6	5.3	5.2	5.4
65°	4.5	4.5	4.5	4.8	5.3	5.7	5.7	5.6	5.4	5.5	5.7
62.5°	4.5	4.5	4.5	5.0	5.5	5.7	5.7	5.6	5.6	5.7	5.7
60°	4.5	4.5	4.5	5.1	5.7	5.7	5.7	5.7	5.7	5.7	5.7
57.5°	4.5	4.5	4.6	5.2	5.7	5.7	5.7	5.7	5.7	5.7	5.7
55°	4.5	4.5	4.7	5.4	5.7	5.7	5.7	5.7	5.7	5.7	5.7
52.5°	4.5	4.5	4.8	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7
50°	4.5	4.5	4.8	5.6	5.7	5.7	5.7	5.7	5.7	5.7	6.2
47.5°	4.5	4.5	4.9	5.7	5.7	5.7	5.7	5.7	5.7	5.7	6.7
45°	4.5	4.5	5.0	5.7	5.7	5.7	5.7	5.7	5.7	6.0	7.1
42.5°	4.5	4.5	5.1	5.7	5.7	5.7	5.7	5.7	5.8	6.3	7.4
40°	4.5	4.5	5.1	5.7	5.7	5.7	5.7	5.8	6.0	6.6	7.6
37.5°	4.5	4.5	5.2	5.7	5.7	5.7	5.7	5.9	6.3	7.0	7.8
35°	4.5	4.5	5.3	5.7	5.7	5.7	5.7	6.1	6.6	7.3	8.0
32.5°	4.5	4.5	5.3	5.7	5.7	5.7	5.7	6.2	6.9	7.7	8.5
30°	4.5	4.5	5.4	5.7	5.7	5.7	5.8	6.4	7.2	8.0	9.3
27.5°	4.5	4.5	5.4	5.7	5.7	5.7	6.0	6.6	7.5	8.3	10.2
25°	4.5	4.5	5.5	5.7	5.7	5.7	6.1	6.9	7.7	8.9	11.3
22.5°	4.5	4.5	5.5	5.7	5.7	5.7	6.2	7.1	8.0	9.6	13.6
20°	4.5	4.5	5.6	5.7	5.7	5.8	6.4	7.3	8.2	10.5	16.0
17.5°	4.5	4.5	5.6	5.7	5.7	5.9	6.5	7.5	8.4	11.4	18.4
15°	4.5	4.5	5.6	5.7	5.7	6.0	6.6	7.7	8.6	12.4	20.9
12.5°	4.5	4.5	5.6	5.7	5.7	6.1	6.7	7.9	9.3	13.4	23.2
10°	4.5	4.5	5.7	5.7	5.7	6.3	6.7	8.1	10.3	15.6	26.5
7.5°	4.5	4.5	5.7	5.7	5.7	6.4	6.8	8.4	11.4	18.0	31.9
5°	4.5	4.5	5.7	5.7	5.7	6.5	6.8	8.6	12.5	20.4	37.3
2.5°	4.5	4.5	5.7	5.7	5.7	6.7	6.8	8.8	13.6	22.7	42.5
0°	4.5	4.5	5.7	5.7	5.7	6.8	6.8	9.0	14.7	24.9	47.5
-2.5°	4.5	4.5	5.7	5.7	5.7	6.8	7.4	10.8	19.0	33.0	61.5
-5°	4.5	4.5	5.7	5.7	5.7	6.8	8.0	12.5	23.0	40.7	74.6
-7.5°	4.5	4.5	5.7	5.7	5.7	6.8	8.5	14.0	26.8	47.8	86.6
-10°	4.5	4.5	5.7	5.7	5.7	6.7	9.0	15.4	30.1	54.1	97.2
-12.5°	4.5	4.5	5.6	5.7	5.7	6.7	9.4	16.6	32.8	59.5	104.1
-15°	4.5	4.5	5.6	5.7	5.7	6.6	9.6	17.5	35.1	63.6	108.7
-17.5°	4.5	4.5	5.6	5.7	5.7	6.5	9.8	18.5	37.0	66.7	111.7
-20°	4.5	4.5	5.6	5.7	5.7	6.5	10.0	19.4	38.1	68.6	113.1



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.5	4.5	5.5	5.7	5.7	6.4	10.4	20.0	38.3	69.2	112.9
-25°	4.5	4.5	5.5	5.7	5.7	6.5	10.6	20.2	37.7	68.5	110.8
-27.5°	4.5	4.5	5.4	5.7	5.7	6.6	10.5	20.0	36.0	66.9	109.7
-30°	4.5	4.5	5.4	5.7	5.7	6.6	10.2	19.4	35.0	65.0	106.8
-32.5°	4.5	4.5	5.3	5.7	5.8	6.5	9.7	19.0	34.2	61.7	102.0
-35°	4.5	4.5	5.3	5.7	5.8	6.4	9.4	18.3	32.9	57.0	95.3
-37.5°	4.5	4.5	5.2	5.7	5.8	6.3	9.2	17.2	30.9	50.9	84.9
-40°	4.5	4.5	5.1	5.7	5.9	6.3	8.9	15.8	28.4	46.9	74.7
-42.5°	4.5	4.5	5.1	5.7	5.9	6.3	8.5	13.9	25.9	42.5	64.0
-45°	4.5	4.5	5.0	5.7	5.9	6.4	7.9	12.3	23.3	37.5	53.6
-47.5°	4.5	4.5	4.9	5.8	6.0	6.3	7.2	11.4	20.1	32.2	47.6
-50°	4.5	4.5	4.8	5.7	6.0	6.3	7.0	10.3	16.2	27.7	41.3
-52.5°	4.5	4.5	4.8	5.6	6.0	6.3	7.0	9.1	13.8	22.8	34.7
-55°	4.5	4.5	4.7	5.5	6.1	6.3	6.8	7.8	11.9	17.6	28.7
-57.5°	4.5	4.5	4.6	5.4	6.1	6.3	6.7	7.6	9.9	14.5	22.3
-60°	4.5	4.5	4.5	5.3	6.1	6.3	6.6	7.3	8.1	11.9	16.7
-62.5°	4.5	4.5	4.5	5.2	5.9	6.4	6.6	7.1	7.8	9.1	13.4
-65°	4.5	4.5	4.5	5.0	5.8	6.4	6.7	6.9	7.5	8.2	9.9
-67.5°	4.5	4.5	4.5	4.9	5.6	6.3	6.7	6.9	7.2	7.9	8.5
-70°	4.5	4.5	4.5	4.8	5.4	6.1	6.7	6.9	7.1	7.5	8.1
-72.5°	4.5	4.5	4.5	4.7	5.3	5.9	6.5	6.8	7.0	7.3	7.7
-75°	4.5	4.5	4.5	4.7	5.1	5.7	6.2	6.6	6.8	7.0	7.3
-77.5°	4.5	4.5	4.5	4.7	5.0	5.4	6.0	6.2	6.5	6.7	6.9
-80°	4.5	4.5	4.5	4.6	4.9	5.3	5.7	5.9	6.1	6.3	6.5
-82.5°	4.5	4.5	4.5	4.6	4.8	5.1	5.4	5.6	5.7	5.9	6.0
-85°	4.5	4.5	4.5	4.6	4.7	4.9	5.1	5.2	5.3	5.4	5.5
-87.5°	4.5	4.5	4.5	4.5	4.6	4.7	4.8	4.9	4.9	5.0	5.0
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5



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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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.2	4.0	3.7
87.5°	4.2	4.0	3.7	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6
85°	4.2	4.0	3.7	3.6	3.6	3.6	3.5	3.4	3.3	3.1	3.1
82.5°	4.3	4.2	4.2	4.2	4.1	3.9	3.7	3.4	3.4	3.4	3.4
80°	4.5	4.5	4.5	4.5	4.3	4.0	3.7	3.4	3.4	3.4	3.5
77.5°	4.5	4.5	4.5	4.5	4.3	4.1	4.0	4.0	4.0	3.9	3.7
75°	4.5	4.5	4.6	4.5	4.4	4.4	4.5	4.5	4.3	4.1	3.8
72.5°	4.7	4.8	4.8	4.6	4.5	4.5	4.5	4.5	4.6	4.7	4.6
70°	5.2	5.2	5.0	4.7	4.5	4.7	5.3	5.9	6.3	6.3	6.5
67.5°	5.6	5.3	5.0	4.9	5.4	6.1	6.8	7.7	8.6	9.0	9.4
65°	5.7	5.4	5.4	5.9	6.7	7.6	8.6	9.7	12.2	13.7	14.4
62.5°	5.7	5.6	5.9	6.8	7.9	9.0	10.7	13.5	17.2	19.8	19.9
60°	5.7	5.8	6.6	7.9	9.0	10.5	13.2	17.4	22.9	27.1	24.7
57.5°	5.7	6.3	7.6	8.8	10.1	11.8	15.8	21.2	26.9	32.9	28.1
55°	6.0	7.2	8.4	9.6	11.1	13.3	17.5	22.6	28.9	30.6	25.1
52.5°	6.7	8.0	8.9	10.3	12.3	14.4	17.3	21.7	23.7	24.2	20.9
50°	7.4	8.3	9.3	11.0	13.0	14.7	15.6	18.3	19.0	18.1	16.3
47.5°	7.8	8.7	9.7	11.5	13.4	14.9	15.0	15.1	14.8	14.6	12.0
45°	8.1	9.0	10.0	12.0	14.1	15.4	14.7	12.6	14.3	13.8	13.2
42.5°	8.3	9.4	11.0	12.5	15.4	16.2	15.0	15.5	16.0	16.7	17.0
40°	8.6	9.7	12.4	15.4	17.0	17.4	19.2	20.7	20.1	21.9	23.0
37.5°	8.9	11.2	15.0	20.6	18.9	21.3	24.8	30.4	30.7	28.8	33.2
35°	9.1	12.9	21.3	27.4	26.0	27.5	36.7	44.1	46.3	43.9	46.7
32.5°	10.2	14.9	29.3	35.6	39.3	41.1	51.7	62.8	71.2	72.9	66.1
30°	12.2	22.2	38.5	45.6	56.1	66.3	73.6	87.1	104.3	117.8	123.4
27.5°	15.0	31.1	48.0	60.9	76.9	94.2	106.9	123.7	151.9	176.1	195.9
25°	17.9	43.1	58.7	79.6	103.4	125.8	145.4	173.4	210.7	250.8	320.5
22.5°	24.3	56.9	74.7	100.2	131.6	159.7	192.3	232.2	280.0	335.0	464.3
20°	34.8	70.5	94.1	123.3	162.0	195.3	241.2	292.2	357.3	474.7	694.2
17.5°	46.1	85.0	113.9	150.5	198.6	240.7	292.1	351.8	438.0	625.8	1058.1
15°	57.7	100.3	132.9	179.4	238.6	298.6	360.8	425.7	549.0	839.6	1521.6
12.5°	69.5	116.0	150.8	209.2	281.0	359.1	433.2	515.9	694.2	1207.1	2208.2
10°	81.1	131.9	167.8	239.3	324.7	421.0	505.1	602.4	845.1	1540.0	2822.1
7.5°	100.2	152.5	186.0	269.0	368.7	482.8	575.6	684.8	992.5	1830.2	3387.6
5°	120.3	177.8	214.9	305.3	412.1	537.9	639.4	762.5	1132.1	2074.3	3918.0
2.5°	139.6	202.1	243.2	340.2	452.7	580.8	679.9	806.0	1206.7	2188.4	4245.6
0°	157.2	225.1	270.4	372.2	489.8	618.8	716.1	843.9	1252.3	2210.4	4350.7
-2.5°	178.5	250.3	298.6	397.6	510.1	641.1	739.1	872.6	1299.4	2334.0	4369.6
-5°	196.9	273.7	325.4	420.3	527.1	658.5	758.3	895.1	1321.4	2390.3	4277.8
-7.5°	211.7	295.1	350.8	438.2	535.9	662.0	765.3	898.8	1306.0	2361.3	4089.8
-10°	220.6	304.1	356.9	437.9	533.0	654.6	765.3	895.6	1261.9	2241.1	3825.8
-12.5°	214.1	301.6	358.0	434.6	527.6	642.3	759.9	885.3	1186.8	2019.2	3516.8
-15°	206.1	297.6	357.3	428.3	519.8	624.9	748.6	867.8	1069.7	1675.0	3135.3
-17.5°	197.0	292.0	354.5	418.8	509.9	602.5	725.6	822.2	948.6	1427.2	2695.5
-20°	187.0	285.0	349.7	406.3	497.8	570.2	671.5	771.0	886.3	1213.6	2103.8



REPORT NUMBER: P701448 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	176.6	276.7	341.7	398.2	467.0	533.1	614.6	712.1	817.7	948.3	1474.5
-25°	170.5	261.1	330.3	379.3	433.6	495.1	556.1	646.2	746.1	851.3	1128.3
-27.5°	167.3	246.0	311.5	360.5	401.5	457.2	509.1	581.0	673.6	763.5	851.3
-30°	161.9	224.6	292.4	341.0	378.2	422.1	466.7	525.1	607.3	686.3	759.0
-32.5°	150.2	202.8	268.9	319.2	357.5	389.6	433.7	485.7	549.0	617.6	676.2
-35°	135.9	185.6	243.5	297.6	337.2	367.5	407.2	451.0	497.5	556.9	627.0
-37.5°	122.6	167.0	218.3	273.3	313.8	350.7	381.3	420.6	460.7	504.8	574.8
-40°	108.3	146.9	195.5	246.0	293.0	331.2	363.0	392.4	427.4	471.4	518.3
-42.5°	93.5	130.1	172.1	219.3	266.4	307.7	343.7	370.9	400.8	438.7	480.4
-45°	81.1	112.2	148.1	192.8	237.3	280.7	317.4	351.7	380.4	408.3	444.3
-47.5°	68.2	94.7	127.8	165.8	208.1	248.8	288.6	326.4	362.9	389.0	411.1
-50°	56.5	80.2	107.1	142.1	178.9	217.1	254.3	298.6	337.3	370.2	395.8
-52.5°	49.0	65.2	89.9	118.7	151.8	186.1	222.9	263.6	305.5	344.6	374.6
-55°	41.0	55.0	72.5	97.3	125.4	156.6	191.0	228.4	266.5	305.7	344.1
-57.5°	33.4	45.8	59.1	76.4	100.8	127.4	159.0	192.1	227.2	262.9	298.4
-60°	25.7	36.6	48.6	61.2	76.1	100.1	126.2	155.4	186.5	218.5	250.6
-62.5°	18.3	27.2	37.8	49.2	61.0	74.0	95.1	119.4	144.6	171.2	199.0
-65°	14.2	18.9	26.7	36.7	47.5	58.9	71.4	85.1	106.1	126.7	146.3
-67.5°	10.0	14.3	18.5	23.7	32.9	42.7	53.2	64.6	76.7	88.7	102.8
-70°	8.9	10.1	13.4	17.2	20.8	25.6	34.2	43.4	52.8	61.9	71.9
-72.5°	8.3	9.2	10.4	11.9	14.9	17.9	20.8	23.7	29.2	36.7	44.1
-75°	7.8	8.3	9.1	10.2	11.4	12.7	14.2	16.7	19.0	21.3	23.5
-77.5°	7.2	7.6	8.0	8.6	9.3	10.3	11.3	12.4	13.4	14.3	15.2
-80°	6.6	6.8	7.1	7.4	7.8	8.3	8.9	9.5	10.0	10.5	11.1
-82.5°	6.1	6.2	6.4	6.5	6.6	6.7	6.9	7.2	7.5	7.8	8.1
-85°	5.6	5.7	5.8	5.9	5.7	5.6	5.5	5.5	5.6	5.7	5.8
-87.5°	5.1	5.1	5.1	5.2	5.0	4.9	4.7	4.5	4.4	4.4	4.3
-90°	4.2	4.0	3.7	3.4	3.4	3.4	3.4	3.4	3.1	2.9	2.6



REPORT NUMBER: P701448 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	3.4	3.4	3.4	3.4	3.4	4.0	4.6	5.1	5.7	6.3	6.8
87.5°	2.3	2.3	2.3	2.3	2.3	2.0	1.7	1.4	1.1	1.1	1.1
85°	3.0	2.9	2.7	2.5	2.3	2.3	2.2	2.2	2.2	2.0	1.7
82.5°	3.4	3.1	2.9	2.6	2.3	2.3	2.3	2.3	2.3	2.0	1.7
80°	3.4	3.2	2.9	2.6	2.3	2.3	2.3	2.3	2.3	2.0	1.7
77.5°	3.5	3.2	3.1	3.0	2.9	2.8	2.7	2.5	2.3	2.0	1.7
75°	3.5	3.4	3.5	3.5	3.4	3.2	2.9	2.6	2.4	2.3	2.2
72.5°	4.4	4.2	4.2	4.3	4.3	4.2	4.0	3.7	3.3	3.2	3.3
70°	6.6	6.7	6.8	6.7	6.4	5.8	5.4	4.9	4.4	4.3	4.4
67.5°	10.0	10.1	9.8	9.1	8.0	6.9	6.5	6.0	5.6	5.4	5.5
65°	14.4	13.3	12.2	10.9	9.4	7.8	7.3	6.9	6.6	6.6	7.0
62.5°	18.6	15.2	12.2	10.3	8.9	7.8	7.3	6.8	6.3	6.1	6.3
60°	20.5	14.5	10.6	9.4	8.2	7.0	6.3	5.8	5.3	4.9	5.2
57.5°	20.6	14.3	9.8	8.3	7.1	6.1	5.5	5.2	4.8	4.5	4.9
55°	18.3	12.6	8.3	7.1	6.5	5.9	5.6	5.5	5.4	5.3	5.5
52.5°	14.7	10.6	7.7	6.7	6.7	6.7	6.7	6.7	6.8	7.0	7.3
50°	11.7	9.0	8.2	7.7	8.0	8.0	7.8	8.3	8.9	9.2	9.5
47.5°	10.7	9.8	9.9	9.7	10.1	10.8	11.0	11.3	12.2	12.8	13.2
45°	11.9	12.8	13.3	14.2	14.8	16.1	16.5	16.6	18.4	19.7	20.4
42.5°	16.6	18.1	19.9	21.6	22.5	24.2	25.9	26.9	29.7	31.9	32.8
40°	25.1	26.0	29.7	32.0	33.7	35.8	41.0	44.5	49.9	60.1	67.5
37.5°	37.0	39.7	41.9	45.1	52.2	55.8	72.5	87.7	98.1	123.4	137.7
35°	54.2	61.6	59.0	73.5	91.4	113.9	138.4	174.9	203.8	238.0	269.5
32.5°	84.9	103.1	120.6	137.5	177.7	242.2	244.0	312.3	358.0	413.3	462.1
30°	134.3	198.6	279.4	306.2	419.5	546.1	511.0	615.7	719.5	781.2	994.2
27.5°	265.1	409.9	570.5	774.6	985.8	1203.5	1347.7	1398.1	1923.1	2309.0	2811.4
25°	453.5	707.6	1156.4	1486.9	1857.7	2341.2	2620.5	2996.5	3872.1	4963.2	5810.7
22.5°	722.8	1166.7	1759.6	2259.8	2815.5	3467.1	4056.5	4957.9	6319.5	7808.9	9075.9
20°	1024.5	1596.9	2348.1	3097.5	3826.0	4675.2	5700.6	7541.4	9645.2	11979.8	14090.4
17.5°	1581.2	2144.1	3106.1	4130.7	5165.6	6188.5	8443.5	11169.6	14463.0	17922.3	20994.8
15°	2376.8	3287.7	4241.9	5596.6	7319.3	9285.0	12140.8	16922.3	22037.2	27436.0	33872.2
12.5°	3415.0	4735.5	6167.0	7735.5	10071.1	13659.5	18396.9	24233.2	31554.5	39654.1	48812.6
10°	4474.4	6379.0	8350.2	10590.4	13668.7	18290.8	24408.8	31716.4	43230.2	54578.5	64137.1
7.5°	5335.9	7555.4	10042.4	13018.2	17030.6	22662.4	30222.8	40784.1	54515.0	68017.4	78710.7
5°	6144.1	8582.3	11171.3	14211.8	19049.1	25840.4	34945.4	48122.1	64548.7	78908.9	90367.2
2.5°	6730.3	9291.5	11969.9	15063.7	20578.6	27772.3	37768.5	54113.4	73020.4	87733.2	100871.5
0°	6989.8	9359.7	11921.9	15096.1	20628.8	28757.7	38747.5	56643.3	76941.8	92759.0	105956.4
-2.5°	6668.1	8968.8	11612.9	14713.9	20260.0	28069.0	38388.1	56358.4	76726.7	92767.8	105779.3
-5°	6327.6	8508.8	10963.3	13829.7	18887.0	26148.0	36676.3	53846.3	73391.9	89518.8	102211.3
-7.5°	5964.7	7961.0	10157.0	12728.7	17215.4	24202.5	33978.8	48470.3	66740.1	83160.2	95097.5
-10°	5549.8	7367.2	9676.4	12402.1	16308.0	22381.7	30466.5	42076.1	59188.2	74444.1	87550.5
-12.5°	5306.2	7244.7	9552.3	12055.9	15206.6	20559.0	27915.2	37818.2	49532.0	63703.1	75365.2
-15°	4993.2	6955.3	9243.8	11592.7	14509.1	18688.1	24496.1	31770.0	40683.1	50232.7	60584.0
-17.5°	4478.5	6439.5	8282.4	10486.9	13256.9	16558.6	20732.4	26377.4	32291.3	39057.6	45250.7
-20°	3630.8	5214.8	6957.7	9034.8	11416.0	13918.1	16705.3	20551.6	24303.0	29040.0	32842.9



REPORT NUMBER: P701448 (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°	2612.2	3951.1	5461.1	7177.7	9063.4	11205.5	13305.2	15334.9	17905.9	20904.5	23960.0
-25°	1701.2	2691.8	3999.4	5406.3	6723.3	8435.2	9943.6	11155.8	12889.5	14246.3	16098.0
-27.5°	1178.0	1821.9	2795.9	3916.9	4955.7	6051.5	7279.5	8107.0	9457.6	10191.6	11326.7
-30°	862.0	1223.3	1923.9	2762.3	3667.3	4600.0	5476.7	6386.6	7326.1	8156.8	8786.8
-32.5°	764.4	906.3	1251.8	1855.3	2563.4	3345.5	4087.9	4881.2	5629.6	6273.5	6793.2
-35°	698.2	777.7	886.2	1205.4	1628.0	2238.6	2822.6	3464.8	4065.9	4563.7	4980.9
-37.5°	645.7	709.4	777.7	847.7	1085.0	1352.2	1767.4	2213.7	2599.4	3040.1	3380.5
-40°	586.1	654.2	708.9	764.8	827.7	894.7	1119.4	1319.2	1537.2	1834.7	2077.8
-42.5°	524.6	583.9	645.5	697.5	745.0	795.1	845.6	890.3	1001.0	1132.2	1231.8
-45°	482.1	524.0	569.1	624.3	675.4	718.8	759.7	798.8	839.0	876.1	906.9
-47.5°	444.6	478.5	515.7	553.5	592.0	636.6	678.5	718.3	753.1	784.8	810.3
-50°	417.3	440.7	471.6	501.5	534.4	565.5	593.3	625.9	661.6	694.0	719.9
-52.5°	403.4	423.9	441.7	463.1	492.8	518.9	541.8	567.6	592.3	615.1	631.7
-55°	376.2	403.0	429.0	453.1	473.5	492.1	512.0	537.3	559.1	577.8	588.2
-57.5°	333.5	368.0	400.6	431.2	460.0	487.0	509.5	529.6	549.8	568.9	577.8
-60°	283.1	316.0	350.1	386.9	424.0	461.0	488.3	514.2	538.7	559.3	570.1
-62.5°	229.0	259.0	289.4	322.6	357.9	392.5	422.2	453.2	485.0	512.3	529.8
-65°	167.4	193.0	220.3	247.5	274.3	301.9	328.4	354.5	379.9	400.4	414.7
-67.5°	120.0	136.5	153.4	170.8	191.6	213.0	232.6	251.5	269.6	284.1	294.8
-70°	82.5	93.1	103.1	114.2	127.5	140.5	152.6	164.0	174.8	183.9	191.5
-72.5°	51.3	58.3	65.2	73.0	80.6	87.8	94.6	101.0	107.0	112.4	117.2
-75°	25.7	29.0	34.5	39.7	44.6	49.7	54.4	58.6	62.2	65.2	67.7
-77.5°	16.7	18.7	20.8	22.7	24.4	26.8	29.4	32.1	34.7	36.8	38.8
-80°	11.7	12.8	14.0	15.3	16.5	18.0	19.6	21.1	22.6	23.5	24.4
-82.5°	8.3	9.0	9.7	10.4	11.1	12.2	13.2	14.3	15.3	16.0	16.7
-85°	6.0	6.3	6.6	6.9	7.3	8.2	9.2	10.1	11.0	11.7	12.3
-87.5°	4.3	4.3	4.4	4.4	4.4	5.2	6.1	7.0	7.8	8.1	8.4
-90°	2.3	2.3	2.3	2.3	2.3	2.0	1.7	1.4	1.1	1.1	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°	7.4	7.9	7.9	7.9	7.9	7.9	7.4	6.8	6.3	5.7	5.1
87.5°	1.1	1.1	0.6	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.4
85°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.2	2.2
82.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.3	2.3
80°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.3	2.3
77.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.3	2.5
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.4	2.6
72.5°	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.2	3.3	3.7
70°	4.4	4.5	4.0	3.4	4.0	4.5	4.4	4.4	4.3	4.4	4.9
67.5°	5.6	5.7	6.2	6.8	6.2	5.7	5.6	5.5	5.4	5.6	6.0
65°	7.4	7.8	7.4	6.8	7.4	7.8	7.4	7.0	6.6	6.6	6.9
62.5°	6.5	6.8	6.3	5.7	6.3	6.8	6.5	6.3	6.1	6.3	6.8
60°	5.4	5.7	5.7	5.7	5.7	5.7	5.4	5.2	4.9	5.3	5.8
57.5°	5.2	5.6	5.7	5.7	5.7	5.6	5.2	4.9	4.5	4.8	5.2
55°	5.6	5.7	5.7	5.7	5.7	5.7	5.6	5.5	5.3	5.4	5.5
52.5°	7.6	7.8	7.9	7.9	7.9	7.8	7.6	7.3	7.0	6.8	6.7
50°	9.8	10.0	10.2	10.2	10.2	10.0	9.8	9.5	9.2	8.9	8.3
47.5°	13.5	13.5	13.5	13.6	13.5	13.5	13.5	13.2	12.8	12.2	11.3
45°	20.7	20.5	20.3	20.4	20.3	20.5	20.7	20.4	19.7	18.4	16.6
42.5°	33.6	33.7	33.6	33.9	33.6	33.7	33.6	32.8	31.9	29.7	26.9
40°	69.5	67.0	63.4	63.3	63.4	67.0	69.5	67.5	60.1	49.9	44.5
37.5°	144.7	147.2	146.9	149.3	146.9	147.2	144.7	137.7	123.4	98.1	87.7
35°	293.5	306.6	309.6	308.8	309.6	306.6	293.5	269.5	238.0	203.8	174.9
32.5°	483.3	500.8	505.7	512.4	505.7	500.8	483.3	462.1	413.3	358.0	312.3
30°	849.7	873.2	850.8	805.4	850.8	873.2	849.7	994.2	781.2	719.5	615.7
27.5°	3079.0	3191.9	2937.8	2845.0	2937.8	3191.9	3079.0	2811.4	2309.0	1923.1	1398.1
25°	6275.0	6774.4	7286.3	7240.9	7286.3	6774.4	6275.0	5810.7	4963.2	3872.1	2996.5
22.5°	10127.0	10633.1	11054.9	11200.2	11054.9	10633.1	10127.0	9075.9	7808.9	6319.5	4957.9
20°	16040.2	17025.9	17731.7	16979.5	17731.7	17025.9	16040.2	14090.4	11979.8	9645.2	7541.4
17.5°	25639.4	28607.5	30149.4	31123.1	30149.4	28607.5	25639.4	20994.8	17922.3	14463.0	11169.6
15°	39800.7	44277.0	46756.9	48399.0	46756.9	44277.0	39800.7	33872.2	27436.0	22037.2	16922.3
12.5°	56132.3	61012.7	63204.5	64993.4	63204.5	61012.7	56132.3	48812.6	39654.1	31554.5	24233.2
10°	71657.5	76930.2	80580.7	82478.0	80580.7	76930.2	71657.5	64137.1	54578.5	43230.2	31716.4
7.5°	85882.5	92332.4	96036.8	97216.0	96036.8	92332.4	85882.5	78710.7	68017.4	54515.0	40784.1
5°	99796.4	105551.2	110006.1	111016.3	110006.1	105551.2	99796.4	90367.2	78908.9	64548.7	48122.1
2.5°	110509.5	117406.4	121406.2	122615.2	121406.2	117406.4	110509.5	100871.5	87733.2	73020.4	54113.4
0°	115418.9	121839.7	126575.6	128274.1	126575.6	121839.7	115418.9	105956.4	92759.0	76941.8	56643.3
-2.5°	114392.1	120309.2	123699.1	124283.2	123699.1	120309.2	114392.1	105779.3	92767.8	76726.7	56358.4
-5°	110780.5	116217.1	119565.2	119661.0	119565.2	116217.1	110780.5	102211.3	89518.8	73391.9	53846.3
-7.5°	102847.4	107931.3	110265.5	110851.7	110265.5	107931.3	102847.4	95097.5	83160.2	66740.1	48470.3
-10°	94773.1	99489.6	101695.3	101939.4	101695.3	99489.6	94773.1	87550.5	74444.1	59188.2	42076.1
-12.5°	84314.3	89360.9	91563.3	92599.0	91563.3	89360.9	84314.3	75365.2	63703.1	49532.0	37818.2
-15°	68750.3	73630.4	76272.5	78223.5	76272.5	73630.4	68750.3	60584.0	50232.7	40683.1	31770.0
-17.5°	52073.6	56256.4	58860.2	61230.4	58860.2	56256.4	52073.6	45250.7	39057.6	32291.3	26377.4
-20°	37074.1	39738.0	40556.2	41833.5	40556.2	39738.0	37074.1	32842.9	29040.0	24303.0	20551.6



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	26039.1	27553.7	28513.1	29055.3	28513.1	27553.7	26039.1	23960.0	20904.5	17905.9	15334.9
-25°	17652.6	18703.0	19111.5	19582.5	19111.5	18703.0	17652.6	16098.0	14246.3	12889.5	11155.8
-27.5°	11824.5	12255.8	12550.4	12710.3	12550.4	12255.8	11824.5	11326.7	10191.6	9457.6	8107.0
-30°	9293.9	9688.3	9924.9	9999.9	9924.9	9688.3	9293.9	8786.8	8156.8	7326.1	6386.6
-32.5°	7195.5	7493.7	7653.1	7674.2	7653.1	7493.7	7195.5	6793.2	6273.5	5629.6	4881.2
-35°	5330.7	5602.2	5752.6	5742.0	5752.6	5602.2	5330.7	4980.9	4563.7	4065.9	3464.8
-37.5°	3673.3	3903.5	4044.7	4081.4	4044.7	3903.5	3673.3	3380.5	3040.1	2599.4	2213.7
-40°	2298.0	2467.0	2568.0	2581.4	2568.0	2467.0	2298.0	2077.8	1834.7	1537.2	1319.2
-42.5°	1319.1	1387.6	1426.1	1424.2	1426.1	1387.6	1319.1	1231.8	1132.2	1001.0	890.3
-45°	927.1	942.4	951.1	952.5	951.1	942.4	927.1	906.9	876.1	839.0	798.8
-47.5°	828.6	843.1	850.9	851.8	850.9	843.1	828.6	810.3	784.8	753.1	718.3
-50°	740.7	757.9	767.2	769.2	767.2	757.9	740.7	719.9	694.0	661.6	625.9
-52.5°	645.2	656.6	660.4	658.4	660.4	656.6	645.2	631.7	615.1	592.3	567.6
-55°	597.8	607.1	611.1	612.0	611.1	607.1	597.8	588.2	577.8	559.1	537.3
-57.5°	586.3	594.6	597.2	597.3	597.2	594.6	586.3	577.8	568.9	549.8	529.6
-60°	580.8	591.2	593.2	591.6	593.2	591.2	580.8	570.1	559.3	538.7	514.2
-62.5°	545.3	558.5	562.7	562.2	562.7	558.5	545.3	529.8	512.3	485.0	453.2
-65°	426.7	436.5	441.5	443.4	441.5	436.5	426.7	414.7	400.4	379.9	354.5
-67.5°	303.5	310.3	312.5	312.2	312.5	310.3	303.5	294.8	284.1	269.6	251.5
-70°	197.9	203.1	203.7	202.5	203.7	203.1	197.9	191.5	183.9	174.8	164.0
-72.5°	121.5	125.0	124.7	123.3	124.7	125.0	121.5	117.2	112.4	107.0	101.0
-75°	69.9	71.7	71.1	70.1	71.1	71.7	69.9	67.7	65.2	62.2	58.6
-77.5°	40.8	42.6	42.9	43.0	42.9	42.6	40.8	38.8	36.8	34.7	32.1
-80°	25.2	25.9	26.0	26.0	26.0	25.9	25.2	24.4	23.5	22.6	21.1
-82.5°	17.4	18.0	18.1	18.1	18.1	18.0	17.4	16.7	16.0	15.3	14.3
-85°	12.9	13.6	13.6	13.6	13.6	13.6	12.9	12.3	11.7	11.0	10.1
-87.5°	8.7	9.0	9.0	9.0	9.0	9.0	8.7	8.4	8.1	7.8	7.0
-90°	1.1	1.1	0.5	0.0	0.5	1.1	1.1	1.1	1.1	1.1	1.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	4.6	4.0	3.4	3.4	3.4	3.4	3.4	3.7	4.0	4.2	4.5
87.5°	1.7	2.0	2.3	2.3	2.3	2.3	2.3	2.6	2.9	3.1	3.4
85°	2.2	2.3	2.3	2.5	2.7	2.9	3.0	3.1	3.1	3.3	3.4
82.5°	2.3	2.3	2.3	2.6	2.9	3.1	3.4	3.4	3.4	3.4	3.4
80°	2.3	2.3	2.3	2.6	2.9	3.2	3.4	3.5	3.4	3.4	3.4
77.5°	2.7	2.8	2.9	3.0	3.1	3.2	3.5	3.7	3.9	4.0	4.0
75°	2.9	3.2	3.4	3.5	3.5	3.4	3.5	3.8	4.1	4.3	4.5
72.5°	4.0	4.2	4.3	4.3	4.2	4.2	4.4	4.6	4.7	4.6	4.5
70°	5.4	5.8	6.4	6.7	6.8	6.7	6.6	6.5	6.3	6.3	5.9
67.5°	6.5	6.9	8.0	9.1	9.8	10.1	10.0	9.4	9.0	8.6	7.7
65°	7.3	7.8	9.4	10.9	12.2	13.3	14.4	14.4	13.7	12.2	9.7
62.5°	7.3	7.8	8.9	10.3	12.2	15.2	18.6	19.9	19.8	17.2	13.5
60°	6.3	7.0	8.2	9.4	10.6	14.5	20.5	24.7	27.1	22.9	17.4
57.5°	5.5	6.1	7.1	8.3	9.8	14.3	20.6	28.1	32.9	26.9	21.2
55°	5.6	5.9	6.5	7.1	8.3	12.6	18.3	25.1	30.6	28.9	22.6
52.5°	6.7	6.7	6.7	6.7	7.7	10.6	14.7	20.9	24.2	23.7	21.7
50°	7.8	8.0	8.0	7.7	8.2	9.0	11.7	16.3	18.1	19.0	18.3
47.5°	11.0	10.8	10.1	9.7	9.9	9.8	10.7	12.0	14.6	14.8	15.1
45°	16.5	16.1	14.8	14.2	13.3	12.8	11.9	13.2	13.8	14.3	12.6
42.5°	25.9	24.2	22.5	21.6	19.9	18.1	16.6	17.0	16.7	16.0	15.5
40°	41.0	35.8	33.7	32.0	29.7	26.0	25.1	23.0	21.9	20.1	20.7
37.5°	72.5	55.8	52.2	45.1	41.9	39.7	37.0	33.2	28.8	30.7	30.4
35°	138.4	113.9	91.4	73.5	59.0	61.6	54.2	46.7	43.9	46.3	44.1
32.5°	244.0	242.2	177.7	137.5	120.6	103.1	84.9	66.1	72.9	71.2	62.8
30°	511.0	546.1	419.5	306.2	279.4	198.6	134.3	123.4	117.8	104.3	87.1
27.5°	1347.7	1203.5	985.8	774.6	570.5	409.9	265.1	195.9	176.1	151.9	123.7
25°	2620.5	2341.2	1857.7	1486.9	1156.4	707.6	453.5	320.5	250.8	210.7	173.4
22.5°	4056.5	3467.1	2815.5	2259.8	1759.6	1166.7	722.8	464.3	335.0	280.0	232.2
20°	5700.6	4675.2	3826.0	3097.5	2348.1	1596.9	1024.5	694.2	474.7	357.3	292.2
17.5°	8443.5	6188.5	5165.6	4130.7	3106.1	2144.1	1581.2	1058.1	625.8	438.0	351.8
15°	12140.8	9285.0	7319.3	5596.6	4241.9	3287.7	2376.8	1521.6	839.6	549.0	425.7
12.5°	18396.9	13659.5	10071.1	7735.5	6167.0	4735.5	3415.0	2208.2	1207.1	694.2	515.9
10°	24408.8	18290.8	13668.7	10590.4	8350.2	6379.0	4474.4	2822.1	1540.0	845.1	602.4
7.5°	30222.8	22662.4	17030.6	13018.2	10042.4	7555.4	5335.9	3387.6	1830.2	992.5	684.8
5°	34945.4	25840.4	19049.1	14211.8	11171.3	8582.3	6144.1	3918.0	2074.3	1132.1	762.5
2.5°	37768.5	27772.3	20578.6	15063.7	11969.9	9291.5	6730.3	4245.6	2188.4	1206.7	806.0
0°	38747.5	28757.7	20628.8	15096.1	11921.9	9359.7	6989.8	4350.7	2210.4	1252.3	843.9
-2.5°	38388.1	28069.0	20260.0	14713.9	11612.9	8968.8	6668.1	4369.6	2334.0	1299.4	872.6
-5°	36676.3	26148.0	18887.0	13829.7	10963.3	8508.8	6327.6	4277.8	2390.3	1321.4	895.1
-7.5°	33978.8	24202.5	17215.4	12728.7	10157.0	7961.0	5964.7	4089.8	2361.3	1306.0	898.8
-10°	30466.5	22381.7	16308.0	12402.1	9676.4	7367.2	5549.8	3825.8	2241.1	1261.9	895.6
-12.5°	27915.2	20559.0	15206.6	12055.9	9552.3	7244.7	5306.2	3516.8	2019.2	1186.8	885.3
-15°	24496.1	18688.1	14509.1	11592.7	9243.8	6955.3	4993.2	3135.3	1675.0	1069.7	867.8
-17.5°	20732.4	16558.6	13256.9	10486.9	8282.4	6439.5	4478.5	2695.5	1427.2	948.6	822.2
-20°	16705.3	13918.1	11416.0	9034.8	6957.7	5214.8	3630.8	2103.8	1213.6	886.3	771.0



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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°	13305.2	11205.5	9063.4	7177.7	5461.1	3951.1	2612.2	1474.5	948.3	817.7	712.1
-25°	9943.6	8435.2	6723.3	5406.3	3999.4	2691.8	1701.2	1128.3	851.3	746.1	646.2
-27.5°	7279.5	6051.5	4955.7	3916.9	2795.9	1821.9	1178.0	851.3	763.5	673.6	581.0
-30°	5476.7	4600.0	3667.3	2762.3	1923.9	1223.3	862.0	759.0	686.3	607.3	525.1
-32.5°	4087.9	3345.5	2563.4	1855.3	1251.8	906.3	764.4	676.2	617.6	549.0	485.7
-35°	2822.6	2238.6	1628.0	1205.4	886.2	777.7	698.2	627.0	556.9	497.5	451.0
-37.5°	1767.4	1352.2	1085.0	847.7	777.7	709.4	645.7	574.8	504.8	460.7	420.6
-40°	1119.4	894.7	827.7	764.8	708.9	654.2	586.1	518.3	471.4	427.4	392.4
-42.5°	845.6	795.1	745.0	697.5	645.5	583.9	524.6	480.4	438.7	400.8	370.9
-45°	759.7	718.8	675.4	624.3	569.1	524.0	482.1	444.3	408.3	380.4	351.7
-47.5°	678.5	636.6	592.0	553.5	515.7	478.5	444.6	411.1	389.0	362.9	326.4
-50°	593.3	565.5	534.4	501.5	471.6	440.7	417.3	395.8	370.2	337.3	298.6
-52.5°	541.8	518.9	492.8	463.1	441.7	423.9	403.4	374.6	344.6	305.5	263.6
-55°	512.0	492.1	473.5	453.1	429.0	403.0	376.2	344.1	305.7	266.5	228.4
-57.5°	509.5	487.0	460.0	431.2	400.6	368.0	333.5	298.4	262.9	227.2	192.1
-60°	488.3	461.0	424.0	386.9	350.1	316.0	283.1	250.6	218.5	186.5	155.4
-62.5°	422.2	392.5	357.9	322.6	289.4	259.0	229.0	199.0	171.2	144.6	119.4
-65°	328.4	301.9	274.3	247.5	220.3	193.0	167.4	146.3	126.7	106.1	85.1
-67.5°	232.6	213.0	191.6	170.8	153.4	136.5	120.0	102.8	88.7	76.7	64.6
-70°	152.6	140.5	127.5	114.2	103.1	93.1	82.5	71.9	61.9	52.8	43.4
-72.5°	94.6	87.8	80.6	73.0	65.2	58.3	51.3	44.1	36.7	29.2	23.7
-75°	54.4	49.7	44.6	39.7	34.5	29.0	25.7	23.5	21.3	19.0	16.7
-77.5°	29.4	26.8	24.4	22.7	20.8	18.7	16.7	15.2	14.3	13.4	12.4
-80°	19.6	18.0	16.5	15.3	14.0	12.8	11.7	11.1	10.5	10.0	9.5
-82.5°	13.2	12.2	11.1	10.4	9.7	9.0	8.3	8.1	7.8	7.5	7.2
-85°	9.2	8.2	7.3	6.9	6.6	6.3	6.0	5.8	5.7	5.6	5.5
-87.5°	6.1	5.2	4.4	4.4	4.4	4.3	4.3	4.3	4.4	4.4	4.5
-90°	1.7	2.0	2.3	2.3	2.3	2.3	2.3	2.6	2.9	3.1	3.4



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	3.4	3.4	3.4	3.4	3.7	4.0	4.2	4.5	4.5	4.5	4.5
85°	3.5	3.6	3.6	3.6	3.7	4.0	4.2	4.5	4.5	4.5	4.5
82.5°	3.7	3.9	4.1	4.2	4.2	4.2	4.3	4.5	4.5	4.5	4.5
80°	3.7	4.0	4.3	4.5	4.5	4.5	4.5	4.5	4.7	4.7	4.7
77.5°	4.0	4.1	4.3	4.5	4.5	4.5	4.5	4.6	4.8	5.0	5.0
75°	4.5	4.4	4.4	4.5	4.6	4.5	4.5	4.6	4.9	5.2	5.3
72.5°	4.5	4.5	4.5	4.6	4.8	4.8	4.7	4.6	4.9	5.2	5.5
70°	5.3	4.7	4.5	4.7	5.0	5.2	5.2	5.0	5.0	5.2	5.5
67.5°	6.8	6.1	5.4	4.9	5.0	5.3	5.6	5.4	5.2	5.3	5.6
65°	8.6	7.6	6.7	5.9	5.4	5.4	5.7	5.7	5.5	5.4	5.6
62.5°	10.7	9.0	7.9	6.8	5.9	5.6	5.7	5.7	5.7	5.6	5.6
60°	13.2	10.5	9.0	7.9	6.6	5.8	5.7	5.7	5.7	5.7	5.7
57.5°	15.8	11.8	10.1	8.8	7.6	6.3	5.7	5.7	5.7	5.7	5.7
55°	17.5	13.3	11.1	9.6	8.4	7.2	6.0	5.7	5.7	5.7	5.7
52.5°	17.3	14.4	12.3	10.3	8.9	8.0	6.7	5.7	5.7	5.7	5.7
50°	15.6	14.7	13.0	11.0	9.3	8.3	7.4	6.2	5.7	5.7	5.7
47.5°	15.0	14.9	13.4	11.5	9.7	8.7	7.8	6.7	5.7	5.7	5.7
45°	14.7	15.4	14.1	12.0	10.0	9.0	8.1	7.1	6.0	5.7	5.7
42.5°	15.0	16.2	15.4	12.5	11.0	9.4	8.3	7.4	6.3	5.8	5.7
40°	19.2	17.4	17.0	15.4	12.4	9.7	8.6	7.6	6.6	6.0	5.8
37.5°	24.8	21.3	18.9	20.6	15.0	11.2	8.9	7.8	7.0	6.3	5.9
35°	36.7	27.5	26.0	27.4	21.3	12.9	9.1	8.0	7.3	6.6	6.1
32.5°	51.7	41.1	39.3	35.6	29.3	14.9	10.2	8.5	7.7	6.9	6.2
30°	73.6	66.3	56.1	45.6	38.5	22.2	12.2	9.3	8.0	7.2	6.4
27.5°	106.9	94.2	76.9	60.9	48.0	31.1	15.0	10.2	8.3	7.5	6.6
25°	145.4	125.8	103.4	79.6	58.7	43.1	17.9	11.3	8.9	7.7	6.9
22.5°	192.3	159.7	131.6	100.2	74.7	56.9	24.3	13.6	9.6	8.0	7.1
20°	241.2	195.3	162.0	123.3	94.1	70.5	34.8	16.0	10.5	8.2	7.3
17.5°	292.1	240.7	198.6	150.5	113.9	85.0	46.1	18.4	11.4	8.4	7.5
15°	360.8	298.6	238.6	179.4	132.9	100.3	57.7	20.9	12.4	8.6	7.7
12.5°	433.2	359.1	281.0	209.2	150.8	116.0	69.5	23.2	13.4	9.3	7.9
10°	505.1	421.0	324.7	239.3	167.8	131.9	81.1	26.5	15.6	10.3	8.1
7.5°	575.6	482.8	368.7	269.0	186.0	152.5	100.2	31.9	18.0	11.4	8.4
5°	639.4	537.9	412.1	305.3	214.9	177.8	120.3	37.3	20.4	12.5	8.6
2.5°	679.9	580.8	452.7	340.2	243.2	202.1	139.6	42.5	22.7	13.6	8.8
0°	716.1	618.8	489.8	372.2	270.4	225.1	157.2	47.5	24.9	14.7	9.0
-2.5°	739.1	641.1	510.1	397.6	298.6	250.3	178.5	61.5	33.0	19.0	10.8
-5°	758.3	658.5	527.1	420.3	325.4	273.7	196.9	74.6	40.7	23.0	12.5
-7.5°	765.3	662.0	535.9	438.2	350.8	295.1	211.7	86.6	47.8	26.8	14.0
-10°	765.3	654.6	533.0	437.9	356.9	304.1	220.6	97.2	54.1	30.1	15.4
-12.5°	759.9	642.3	527.6	434.6	358.0	301.6	214.1	104.1	59.5	32.8	16.6
-15°	748.6	624.9	519.8	428.3	357.3	297.6	206.1	108.7	63.6	35.1	17.5
-17.5°	725.6	602.5	509.9	418.8	354.5	292.0	197.0	111.7	66.7	37.0	18.5
-20°	671.5	570.2	497.8	406.3	349.7	285.0	187.0	113.1	68.6	38.1	19.4



REPORT NUMBER: P701448 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	614.6	533.1	467.0	398.2	341.7	276.7	176.6	112.9	69.2	38.3	20.0
-25°	556.1	495.1	433.6	379.3	330.3	261.1	170.5	110.8	68.5	37.7	20.2
-27.5°	509.1	457.2	401.5	360.5	311.5	246.0	167.3	109.7	66.9	36.0	20.0
-30°	466.7	422.1	378.2	341.0	292.4	224.6	161.9	106.8	65.0	35.0	19.4
-32.5°	433.7	389.6	357.5	319.2	268.9	202.8	150.2	102.0	61.7	34.2	19.0
-35°	407.2	367.5	337.2	297.6	243.5	185.6	135.9	95.3	57.0	32.9	18.3
-37.5°	381.3	350.7	313.8	273.3	218.3	167.0	122.6	84.9	50.9	30.9	17.2
-40°	363.0	331.2	293.0	246.0	195.5	146.9	108.3	74.7	46.9	28.4	15.8
-42.5°	343.7	307.7	266.4	219.3	172.1	130.1	93.5	64.0	42.5	25.9	13.9
-45°	317.4	280.7	237.3	192.8	148.1	112.2	81.1	53.6	37.5	23.3	12.3
-47.5°	288.6	248.8	208.1	165.8	127.8	94.7	68.2	47.6	32.2	20.1	11.4
-50°	254.3	217.1	178.9	142.1	107.1	80.2	56.5	41.3	27.7	16.2	10.3
-52.5°	222.9	186.1	151.8	118.7	89.9	65.2	49.0	34.7	22.8	13.8	9.1
-55°	191.0	156.6	125.4	97.3	72.5	55.0	41.0	28.7	17.6	11.9	7.8
-57.5°	159.0	127.4	100.8	76.4	59.1	45.8	33.4	22.3	14.5	9.9	7.6
-60°	126.2	100.1	76.1	61.2	48.6	36.6	25.7	16.7	11.9	8.1	7.3
-62.5°	95.1	74.0	61.0	49.2	37.8	27.2	18.3	13.4	9.1	7.8	7.1
-65°	71.4	58.9	47.5	36.7	26.7	18.9	14.2	9.9	8.2	7.5	6.9
-67.5°	53.2	42.7	32.9	23.7	18.5	14.3	10.0	8.5	7.9	7.2	6.9
-70°	34.2	25.6	20.8	17.2	13.4	10.1	8.9	8.1	7.5	7.1	6.9
-72.5°	20.8	17.9	14.9	11.9	10.4	9.2	8.3	7.7	7.3	7.0	6.8
-75°	14.2	12.7	11.4	10.2	9.1	8.3	7.8	7.3	7.0	6.8	6.6
-77.5°	11.3	10.3	9.3	8.6	8.0	7.6	7.2	6.9	6.7	6.5	6.2
-80°	8.9	8.3	7.8	7.4	7.1	6.8	6.6	6.5	6.3	6.1	5.9
-82.5°	6.9	6.7	6.6	6.5	6.4	6.2	6.1	6.0	5.9	5.7	5.6
-85°	5.5	5.6	5.7	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2
-87.5°	4.7	4.9	5.0	5.2	5.1	5.1	5.1	5.0	5.0	4.9	4.9
-90°	3.4	3.4	3.4	3.4	3.7	4.0	4.2	4.5	4.5	4.5	4.5



REPORT NUMBER: P701448 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	4.8	4.6	4.5	4.5	4.5	4.5	4.5
75°	5.1	4.8	4.5	4.5	4.5	4.5	4.5
72.5°	5.4	5.1	4.7	4.5	4.5	4.5	4.5
70°	5.7	5.3	4.9	4.5	4.5	4.5	4.5
67.5°	5.7	5.6	5.1	4.7	4.5	4.5	4.5
65°	5.7	5.7	5.3	4.8	4.5	4.5	4.5
62.5°	5.7	5.7	5.5	5.0	4.5	4.5	4.5
60°	5.7	5.7	5.7	5.1	4.5	4.5	4.5
57.5°	5.7	5.7	5.7	5.2	4.6	4.5	4.5
55°	5.7	5.7	5.7	5.4	4.7	4.5	4.5
52.5°	5.7	5.7	5.7	5.5	4.8	4.5	4.5
50°	5.7	5.7	5.7	5.6	4.8	4.5	4.5
47.5°	5.7	5.7	5.7	5.7	4.9	4.5	4.5
45°	5.7	5.7	5.7	5.7	5.0	4.5	4.5
42.5°	5.7	5.7	5.7	5.7	5.1	4.5	4.5
40°	5.7	5.7	5.7	5.7	5.1	4.5	4.5
37.5°	5.7	5.7	5.7	5.7	5.2	4.5	4.5
35°	5.7	5.7	5.7	5.7	5.3	4.5	4.5
32.5°	5.7	5.7	5.7	5.7	5.3	4.5	4.5
30°	5.8	5.7	5.7	5.7	5.4	4.5	4.5
27.5°	6.0	5.7	5.7	5.7	5.4	4.5	4.5
25°	6.1	5.7	5.7	5.7	5.5	4.5	4.5
22.5°	6.2	5.7	5.7	5.7	5.5	4.5	4.5
20°	6.4	5.8	5.7	5.7	5.6	4.5	4.5
17.5°	6.5	5.9	5.7	5.7	5.6	4.5	4.5
15°	6.6	6.0	5.7	5.7	5.6	4.5	4.5
12.5°	6.7	6.1	5.7	5.7	5.6	4.5	4.5
10°	6.7	6.3	5.7	5.7	5.7	4.5	4.5
7.5°	6.8	6.4	5.7	5.7	5.7	4.5	4.5
5°	6.8	6.5	5.7	5.7	5.7	4.5	4.5
2.5°	6.8	6.7	5.7	5.7	5.7	4.5	4.5
0°	6.8	6.8	5.7	5.7	5.7	4.5	4.5
-2.5°	7.4	6.8	5.7	5.7	5.7	4.5	4.5
-5°	8.0	6.8	5.7	5.7	5.7	4.5	4.5
-7.5°	8.5	6.8	5.7	5.7	5.7	4.5	4.5
-10°	9.0	6.7	5.7	5.7	5.7	4.5	4.5
-12.5°	9.4	6.7	5.7	5.7	5.6	4.5	4.5
-15°	9.6	6.6	5.7	5.7	5.6	4.5	4.5
-17.5°	9.8	6.5	5.7	5.7	5.6	4.5	4.5
-20°	10.0	6.5	5.7	5.7	5.6	4.5	4.5



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	10.4	6.4	5.7	5.7	5.5	4.5	4.5
-25°	10.6	6.5	5.7	5.7	5.5	4.5	4.5
-27.5°	10.5	6.6	5.7	5.7	5.4	4.5	4.5
-30°	10.2	6.6	5.7	5.7	5.4	4.5	4.5
-32.5°	9.7	6.5	5.8	5.7	5.3	4.5	4.5
-35°	9.4	6.4	5.8	5.7	5.3	4.5	4.5
-37.5°	9.2	6.3	5.8	5.7	5.2	4.5	4.5
-40°	8.9	6.3	5.9	5.7	5.1	4.5	4.5
-42.5°	8.5	6.3	5.9	5.7	5.1	4.5	4.5
-45°	7.9	6.4	5.9	5.7	5.0	4.5	4.5
-47.5°	7.2	6.3	6.0	5.8	4.9	4.5	4.5
-50°	7.0	6.3	6.0	5.7	4.8	4.5	4.5
-52.5°	7.0	6.3	6.0	5.6	4.8	4.5	4.5
-55°	6.8	6.3	6.1	5.5	4.7	4.5	4.5
-57.5°	6.7	6.3	6.1	5.4	4.6	4.5	4.5
-60°	6.6	6.3	6.1	5.3	4.5	4.5	4.5
-62.5°	6.6	6.4	5.9	5.2	4.5	4.5	4.5
-65°	6.7	6.4	5.8	5.0	4.5	4.5	4.5
-67.5°	6.7	6.3	5.6	4.9	4.5	4.5	4.5
-70°	6.7	6.1	5.4	4.8	4.5	4.5	4.5
-72.5°	6.5	5.9	5.3	4.7	4.5	4.5	4.5
-75°	6.2	5.7	5.1	4.7	4.5	4.5	4.5
-77.5°	6.0	5.4	5.0	4.7	4.5	4.5	4.5
-80°	5.7	5.3	4.9	4.6	4.5	4.5	4.5
-82.5°	5.4	5.1	4.8	4.6	4.5	4.5	4.5
-85°	5.1	4.9	4.7	4.6	4.5	4.5	4.5
-87.5°	4.8	4.7	4.6	4.5	4.5	4.5	4.5
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5

(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

