

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: P731626 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-40-80-3S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731626 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-20)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-40-80-3S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

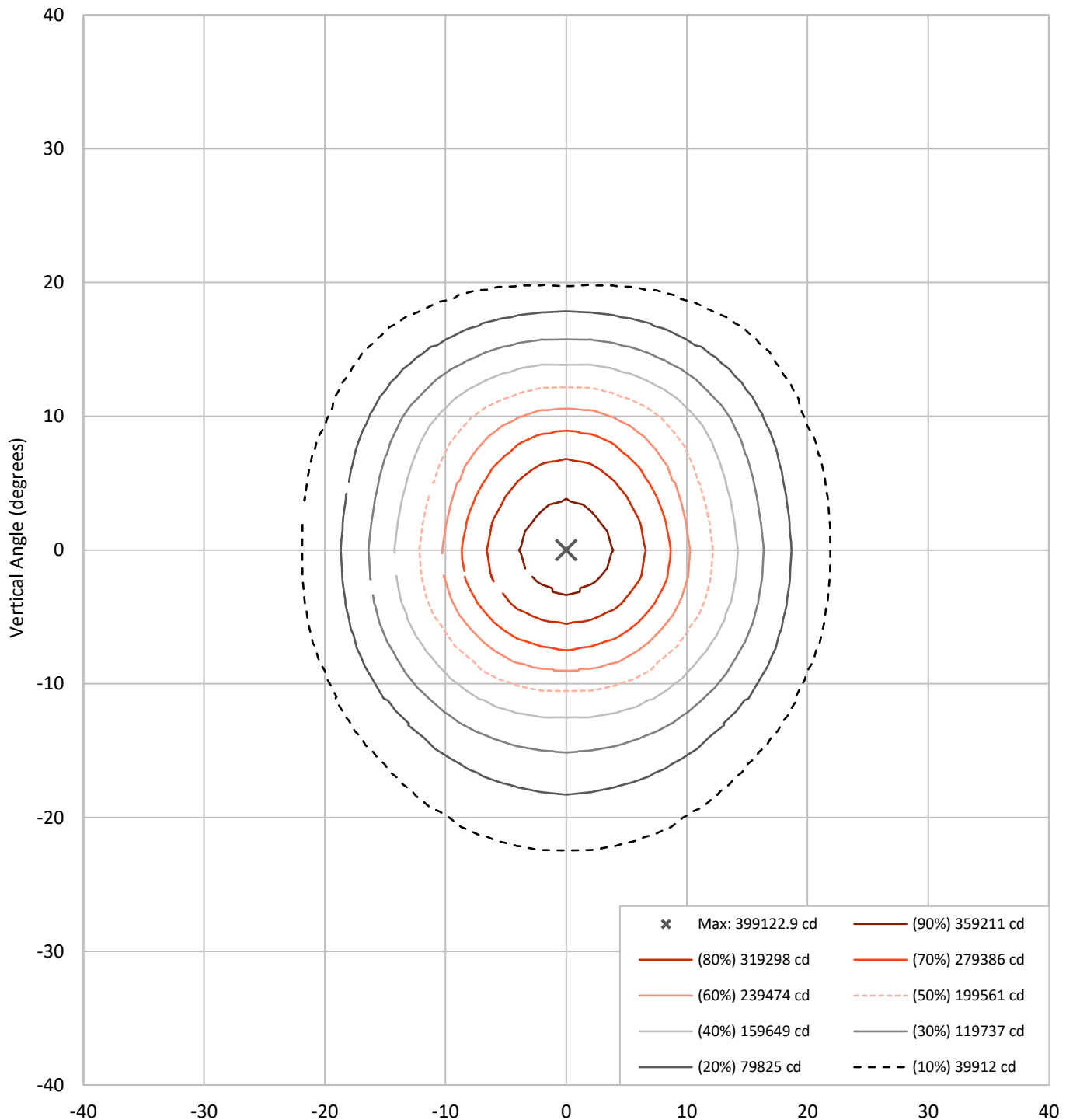
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	82721.5 lumens	Max Intensity:	399122.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	118.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.3°H x 22.7°V	Field Angle (10%):	43.8°H x 42.1°V
Beam Lumens:	39007 lumens	Field Lumens:	70467.9 lumens
Beam Efficiency:	47.2%	Field Efficiency:	85.2%

Input Watts (W): 697.2
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





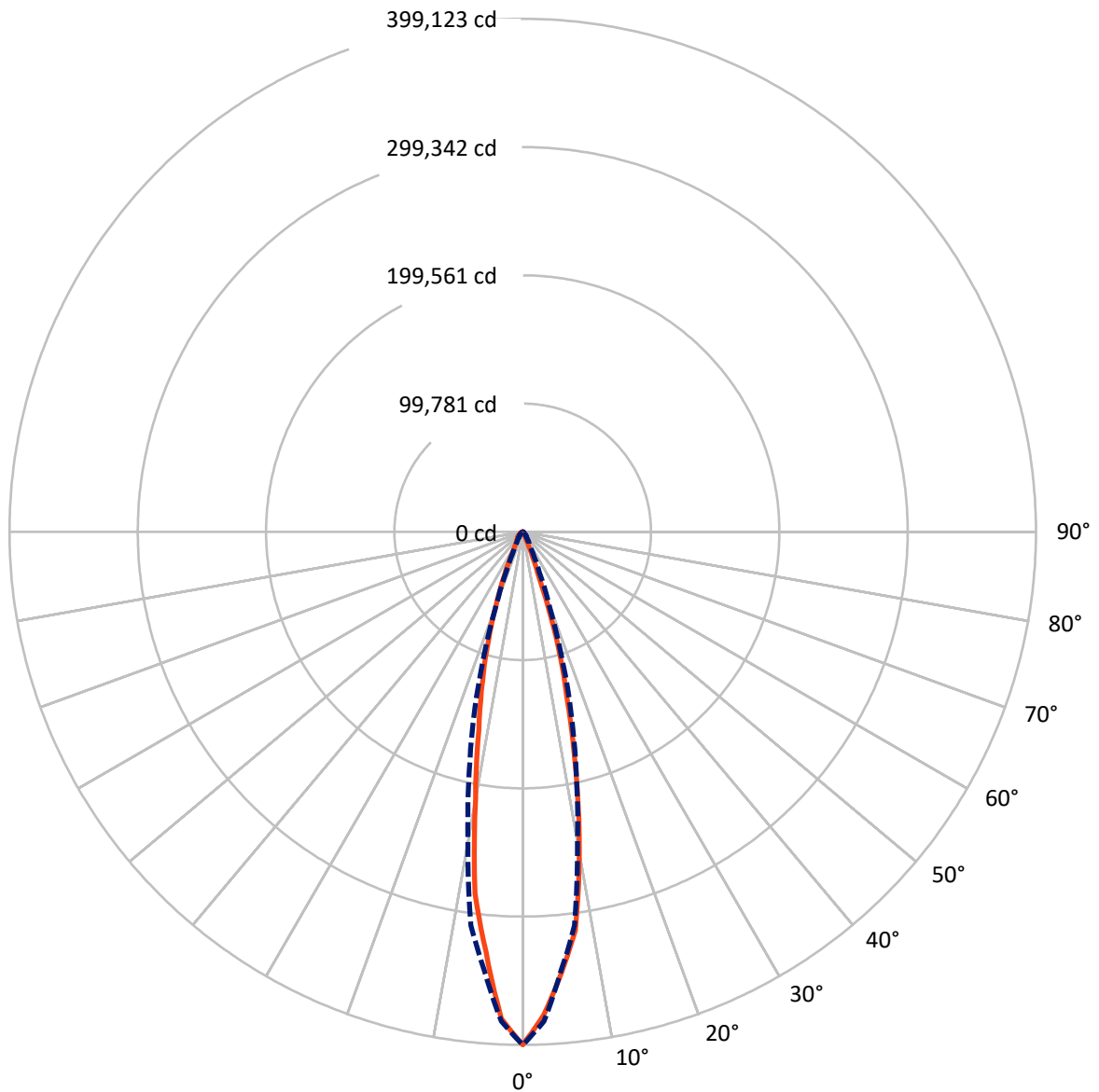
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Lumen Table

90																			
80	0.1	0.3		0.5		0.5		0.5		0.5		0.5		0.3	0.1				
70																			
60	0.1	0.1	0.2	0.7	0.9	0.6	0.4	0.4	0.4	0.4	0.6	0.9	0.7	0.2	0.1	0.1			
50		0.1	0.5	0.9	0.7	0.4	0.3	0.4	0.4	0.3	0.4	0.7	0.9	0.5	0.1				
40	0.2	0.3	0.7	0.7	0.8	1.2	2.2	1.5	1.5	2.2	1.2	0.8	0.7	0.7	0.3	0.2			
30		0.4	1.4	3.3	5.8	8.4	11.5	13.8	13.8	11.5	8.4	5.8	3.3	1.4	0.4				
20	0.3	0.8	5.6	17.6	40.8	67.9	139.5	268.5	268.5	139.5	67.9	40.8	17.6	5.6	0.8	0.3			
10		1.7	12.0	44.9	108.8	287.9	1585.3	3741.2	3741.2	1585.3	287.9	108.8	44.9	12.0	1.7				
0	0.4	2.6	16.0	59.8	139.9	614.1	3800.5	8913.1	8913.1	3800.5	614.1	139.9	59.8	16.0	2.6	0.4			
-10		3.2	17.2	60.8	140.2	608.0	3734.1	8541.4	8541.4	3734.1	608.0	140.2	60.8	17.2	3.2				
-20	0.7	3.8	16.2	50.5	110.3	290.2	1514.0	3417.0	3417.0	1514.0	290.2	110.3	50.5	16.2	3.8	0.7			
-30		4.1	15.1	37.8	94.0	164.6	376.7	770.1	770.1	376.7	164.6	94.0	37.8	15.1	4.1				
-40	0.6	3.6	13.0	28.6	69.3	136.0	191.1	234.7	234.7	191.1	136.0	69.3	28.6	13.0	3.6	0.6			
-50		2.5	9.9	22.5	42.1	74.7	122.3	156.6	156.6	122.3	74.7	42.1	22.5	9.9	2.5				
-60	0.3	1.3	6.0	15.1	28.7	44.2	59.2	68.5	68.5	59.2	44.2	28.7	15.1	6.0	1.3	0.3			
-70		0.5	2.1	6.6	13.4	21.2	29.0	33.4	33.4	29.0	21.2	13.4	6.6	2.1	0.5				
-80	0.2	1.2		4.2		10.9		14.8		10.9		4.2		1.2	0.2				
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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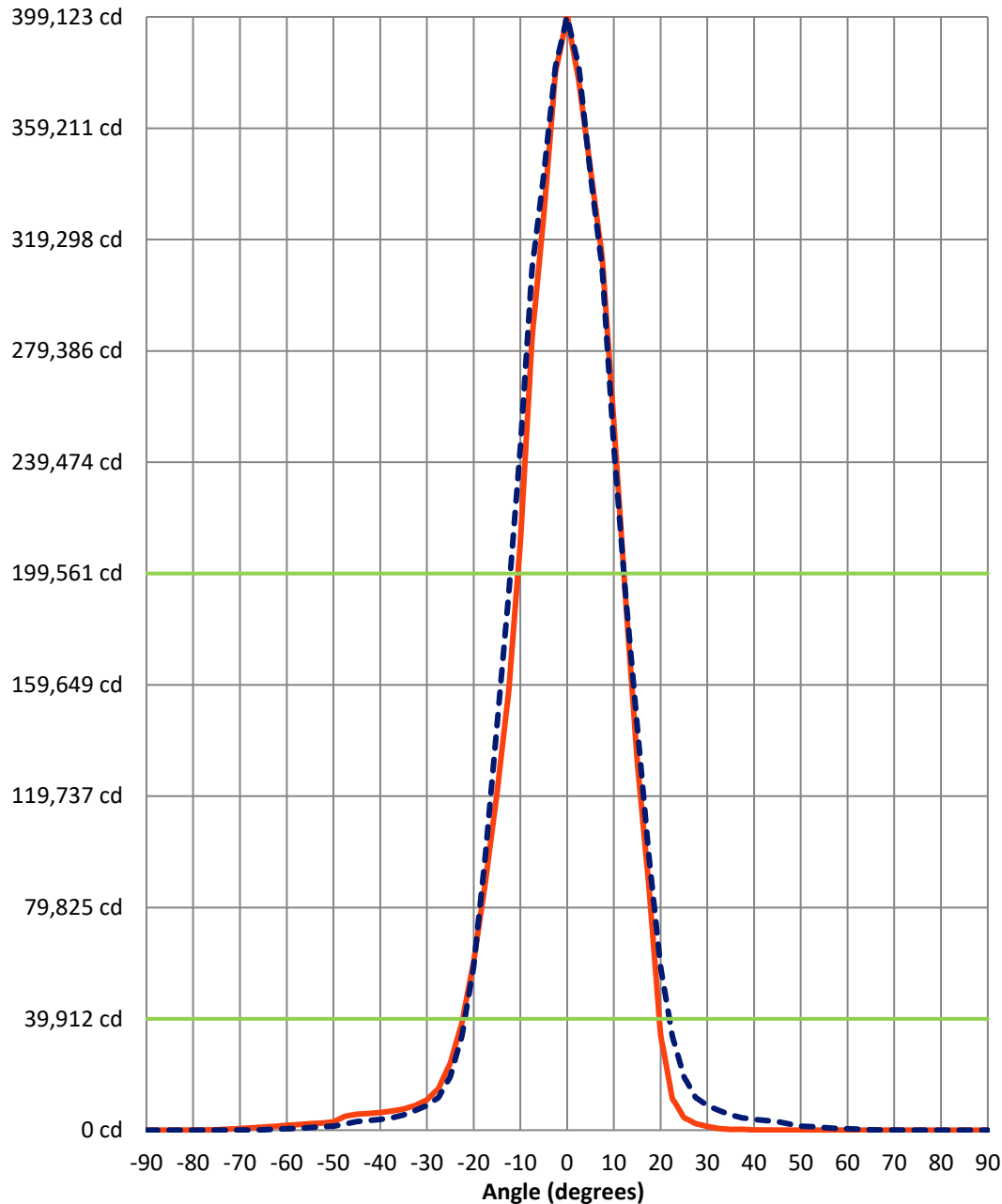
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 24.3°
 V Angle: 22.7°
 Lumens: 39007
 Efficiency: 47.2%

Field:
 H Angle: 43.8°
 V Angle: 42.1°
 Lumens: 70467.9
 Efficiency: 85.2%

Spill:
 Lumens: 12253.5
 Efficiency: 14.8%

— 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°	4.1	5.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
87.5°	4.1	4.2	4.3	4.3	4.3	4.2	4.1	4.1	4.1	4.1	4.1
85°	4.1	4.3	4.4	4.5	4.4	4.3	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.4	4.6	4.7	4.6	4.4	4.1	4.1	4.1	4.2	4.1
80°	4.1	4.4	4.8	4.9	4.8	4.6	4.2	4.4	4.5	4.4	4.1
77.5°	4.1	4.5	5.0	5.1	5.0	4.8	4.7	4.9	4.9	4.6	4.2
75°	4.1	4.6	5.1	5.3	5.2	5.1	5.2	5.4	5.2	4.7	4.3
72.5°	4.1	4.7	5.3	5.5	5.4	5.4	5.7	5.8	5.3	4.8	4.3
70°	4.1	4.8	5.5	5.7	5.5	5.7	6.1	5.8	5.3	4.9	4.9
67.5°	4.1	4.9	5.6	5.8	5.7	6.0	6.1	5.9	5.4	5.3	5.6
65°	4.1	4.9	5.8	5.8	5.8	6.1	6.1	5.9	5.7	5.8	6.1
62.5°	4.1	5.0	5.9	5.9	6.0	6.1	6.1	6.0	5.9	6.2	6.4
60°	4.1	5.1	6.1	5.9	6.1	6.1	6.1	6.1	6.1	6.5	6.6
57.5°	4.1	5.2	6.1	6.0	6.1	6.1	6.2	6.1	6.5	7.0	7.0
55°	4.1	5.2	6.1	6.0	6.1	6.1	6.3	6.2	7.0	7.4	7.4
52.5°	4.1	5.3	6.1	6.1	6.1	6.1	6.5	6.7	7.5	8.0	7.9
50°	4.1	5.4	6.1	6.1	6.1	6.3	6.7	7.3	8.1	8.6	10.7
47.5°	4.1	5.5	6.1	6.1	6.1	6.5	6.9	7.9	8.8	9.3	13.4
45°	4.1	5.5	6.1	6.1	6.1	6.7	7.4	8.4	9.4	11.4	15.9
42.5°	4.1	5.6	6.1	6.1	6.1	7.0	7.8	8.9	10.0	13.4	20.4
40°	4.1	5.6	6.1	6.1	6.2	7.2	8.3	9.5	10.9	15.1	25.2
37.5°	4.1	5.7	6.1	6.1	6.4	7.5	8.7	10.0	12.3	17.4	29.7
35°	4.1	5.7	6.1	6.1	6.6	7.8	9.1	10.5	13.5	21.5	33.5
32.5°	4.1	5.8	6.1	6.1	6.8	8.2	9.6	11.0	14.7	25.6	36.8
30°	4.1	5.8	6.1	6.1	7.0	8.5	9.9	11.6	15.6	29.7	40.2
27.5°	4.1	5.9	6.1	6.1	7.2	8.8	10.3	12.4	17.5	33.8	43.8
25°	4.1	5.9	6.1	6.1	7.3	9.1	10.7	13.1	20.7	37.1	47.5
22.5°	4.1	5.9	6.1	6.1	7.5	9.3	11.0	13.8	23.8	40.0	54.2
20°	4.1	6.0	6.1	6.1	7.6	9.5	11.4	14.4	26.7	42.8	61.3
17.5°	4.1	6.0	6.1	6.1	7.7	9.6	11.7	14.8	29.4	45.7	68.8
15°	4.1	6.0	6.1	6.1	7.8	9.8	12.1	15.5	32.0	48.4	76.4
12.5°	4.1	6.1	6.1	6.1	7.9	9.9	12.5	16.3	35.0	51.0	84.1
10°	4.1	6.1	6.1	6.1	8.0	9.9	12.9	17.2	38.3	55.2	92.7
7.5°	4.1	6.1	6.1	6.1	8.0	10.0	13.2	18.1	41.4	59.5	103.4
5°	4.1	6.1	6.1	6.1	8.1	10.1	13.6	18.9	44.2	63.6	113.6
2.5°	4.1	6.1	6.1	6.1	8.1	10.1	13.9	19.6	46.6	67.5	123.2
0°	4.1	6.1	6.1	6.1	8.1	10.1	13.9	19.6	46.6	67.5	123.2
-2.5°	4.1	6.1	6.1	6.1	8.1	10.1	13.9	19.6	46.6	67.5	123.2
-5°	4.1	6.1	6.1	6.1	8.1	10.1	13.9	19.6	46.6	67.5	123.2
-7.5°	4.1	6.1	6.1	6.1	8.1	10.1	13.9	19.6	46.6	67.5	123.2
-10°	4.1	6.1	6.1	6.1	8.1	10.1	13.9	19.6	46.6	67.5	123.2
-12.5°	4.1	6.1	6.1	6.1	8.1	10.1	13.9	19.6	46.6	67.5	123.2
-15°	4.1	6.1	6.1	6.1	8.1	10.1	13.9	19.6	46.6	67.5	123.2
-17.5°	4.1	6.1	6.1	6.1	8.1	10.1	13.9	19.6	46.6	67.5	123.2
-20°	4.1	6.1	6.1	6.1	8.1	10.1	13.9	19.6	46.6	67.5	123.2



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.1	6.0	6.7	8.1	10.6	15.7	29.1	59.3	113.4	187.3	274.5
-25°	4.1	6.0	6.8	8.3	10.8	15.9	29.4	59.6	113.1	190.4	273.4
-27.5°	4.1	5.9	6.8	8.4	11.0	16.0	29.0	58.5	110.5	190.6	276.0
-30°	4.1	5.9	6.8	8.5	11.1	15.9	27.8	55.8	108.0	187.2	275.5
-32.5°	4.1	5.9	6.8	8.6	11.2	15.6	25.8	54.0	104.8	180.7	271.5
-35°	4.1	5.8	6.8	8.6	11.2	15.2	24.8	51.6	99.4	171.0	264.0
-37.5°	4.1	5.8	6.8	8.6	11.2	14.8	24.2	48.1	91.9	158.2	247.2
-40°	4.1	5.8	6.8	8.6	11.1	14.7	23.3	43.3	82.1	146.1	226.3
-42.5°	4.1	5.8	6.7	8.6	11.1	14.6	22.1	37.2	73.7	130.7	202.3
-45°	4.1	5.7	6.7	8.5	11.0	14.4	20.6	32.4	65.3	112.8	176.2
-47.5°	4.1	5.7	6.6	8.4	10.8	14.1	18.8	30.2	55.3	92.9	153.4
-50°	4.1	5.7	6.5	8.2	10.6	13.7	18.1	27.6	43.3	79.0	127.9
-52.5°	4.1	5.6	6.4	8.1	10.4	13.3	17.4	24.7	36.9	64.0	101.2
-55°	4.1	5.6	6.3	7.9	10.2	12.9	16.7	21.6	32.8	47.7	82.5
-57.5°	4.1	5.6	6.2	7.8	9.9	12.5	15.8	20.5	28.4	40.0	62.5
-60°	4.1	5.5	6.1	7.6	9.6	12.0	14.9	19.2	24.4	34.6	46.1
-62.5°	4.1	5.5	6.1	7.3	9.2	11.6	14.3	17.9	22.8	28.8	39.5
-65°	4.1	5.5	6.1	7.1	8.9	11.0	13.6	16.6	21.0	25.9	32.5
-67.5°	4.1	5.4	6.1	6.8	8.5	10.5	12.8	15.7	19.2	23.7	28.5
-70°	4.1	5.4	6.1	6.6	8.0	9.8	12.0	14.7	17.8	21.3	25.8
-72.5°	4.1	5.4	6.1	6.5	7.6	9.2	11.1	13.6	16.5	19.6	23.0
-75°	4.1	5.3	6.1	6.4	7.1	8.5	10.1	12.4	15.0	17.8	20.8
-77.5°	4.1	5.3	6.1	6.4	6.9	7.8	9.2	11.2	13.5	15.9	18.6
-80°	4.1	5.3	6.1	6.3	6.8	7.4	8.2	9.9	11.9	14.0	16.2
-82.5°	4.1	5.2	6.1	6.3	6.6	7.1	7.6	8.8	10.2	11.9	13.7
-85°	4.1	5.2	6.1	6.2	6.4	6.7	7.1	7.9	8.8	10.0	11.2
-87.5°	4.1	5.1	6.1	6.2	6.3	6.4	6.6	7.0	7.5	8.0	8.7
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1



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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°	6.6	7.1	7.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	3.6	3.1	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	3.6	3.1	2.7	2.3	2.3	2.3	2.2	2.0	2.0	2.0	2.0
82.5°	3.8	3.6	3.5	3.5	3.3	3.0	2.6	2.3	2.3	2.3	2.2
80°	4.0	4.1	4.1	4.1	3.9	3.7	3.6	3.7	3.6	3.3	3.0
77.5°	4.1	4.1	4.1	4.1	4.1	4.3	4.6	5.1	5.1	4.9	4.6
75°	4.1	4.1	4.2	4.2	4.3	4.8	5.4	5.9	5.9	5.8	5.8
72.5°	4.4	4.7	4.6	4.3	4.7	5.4	5.9	6.1	7.3	8.9	10.1
70°	5.2	5.3	5.2	5.3	5.7	6.6	8.7	11.5	14.4	16.4	19.1
67.5°	6.0	5.7	5.8	6.3	7.7	10.1	13.3	20.4	28.4	31.5	33.1
65°	6.1	6.0	6.6	7.9	9.9	15.9	23.8	33.1	42.8	45.0	44.8
62.5°	6.1	6.4	7.4	10.5	16.2	23.7	33.9	44.3	54.6	52.9	46.7
60°	6.3	6.6	10.2	16.2	23.0	33.1	44.3	49.8	53.1	52.7	45.4
57.5°	6.6	8.9	15.1	22.7	32.4	41.1	44.7	48.0	49.9	51.5	42.7
55°	8.2	13.0	20.8	30.9	38.8	40.5	42.6	43.7	45.4	42.1	32.6
52.5°	11.9	17.6	27.9	36.8	40.2	39.9	37.8	38.0	35.2	30.7	25.9
50°	15.4	24.3	34.0	39.6	41.2	38.2	32.8	31.1	28.1	24.5	21.3
47.5°	20.6	30.7	37.7	42.3	41.3	37.0	30.7	26.9	23.9	22.9	19.8
45°	26.3	35.3	41.9	43.8	41.7	36.2	31.1	24.2	25.7	25.5	25.2
42.5°	31.8	39.1	44.6	46.2	41.7	38.0	33.5	31.9	31.7	35.8	38.5
40°	35.3	42.7	47.9	48.3	43.3	42.4	45.5	47.4	45.6	52.5	58.3
37.5°	38.5	46.4	52.8	55.3	49.0	54.0	61.7	83.0	85.1	72.8	93.3
35°	41.5	50.8	62.8	72.3	71.9	72.4	105.2	137.7	152.8	133.8	151.5
32.5°	45.2	55.8	76.6	101.2	121.6	124.9	160.4	226.5	257.4	258.7	256.2
30°	50.5	68.8	98.0	138.6	190.2	240.2	267.3	339.9	389.6	474.8	539.4
27.5°	57.9	85.6	134.1	201.8	283.2	382.4	442.8	484.8	607.5	766.9	938.8
25°	66.4	119.6	175.8	282.9	421.1	547.2	624.3	674.6	889.1	1205.3	1426.5
22.5°	84.8	163.2	236.8	375.1	577.0	718.7	800.0	962.5	1295.1	1719.6	1981.5
20°	116.7	216.6	308.4	459.1	736.4	894.2	971.1	1293.8	1807.1	2242.4	2603.1
17.5°	153.4	270.4	379.4	557.6	825.9	1029.2	1160.0	1648.5	2352.5	2743.5	3156.8
15°	193.9	324.2	442.7	645.1	912.2	1109.2	1392.2	2075.9	2851.4	3224.8	3651.1
12.5°	236.6	377.3	498.7	721.8	997.3	1183.1	1600.0	2380.8	3109.0	3614.6	4167.6
10°	280.4	429.1	548.2	788.0	1079.3	1251.1	1795.1	2634.9	3245.2	3720.6	4366.0
7.5°	307.4	464.8	588.6	844.1	1156.5	1313.2	1973.3	2840.1	3341.8	3783.5	4393.1
5°	327.0	482.0	608.5	882.2	1210.3	1362.6	2118.6	2998.3	3404.7	3808.5	4345.0
2.5°	341.4	495.4	625.4	910.8	1243.5	1396.5	2187.0	3059.2	3446.3	3839.2	4352.1
0°	350.8	504.9	638.8	930.8	1265.4	1425.6	2222.6	3080.4	3471.8	3865.2	4424.9
-2.5°	363.2	518.8	660.1	951.2	1271.0	1432.1	2227.8	3072.1	3486.5	3927.4	4503.6
-5°	371.5	528.8	677.1	962.7	1266.9	1432.9	2199.8	3028.2	3465.3	3912.1	4473.3
-7.5°	376.3	534.9	689.3	963.6	1245.2	1411.3	2104.4	2890.3	3346.3	3765.6	4317.1
-10°	380.3	543.6	700.8	947.3	1203.3	1373.5	1969.7	2726.5	3214.3	3600.5	4118.4
-12.5°	393.1	555.3	709.4	927.4	1160.3	1330.9	1805.1	2541.9	3071.9	3419.1	3904.1
-15°	402.0	564.8	714.4	905.8	1118.7	1283.8	1611.5	2340.7	2963.3	3353.3	3769.1
-17.5°	407.2	572.4	716.3	884.0	1080.7	1232.5	1398.8	2154.0	2876.9	3317.7	3701.6
-20°	408.8	578.6	715.0	863.2	1047.2	1202.0	1351.5	1927.4	2665.5	3260.9	3642.0



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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°	406.8	583.6	713.2	853.7	1025.6	1188.3	1333.5	1676.9	2386.5	3179.0	3565.6
-25°	405.6	576.7	712.8	840.4	1001.3	1171.7	1314.7	1442.7	2072.7	2864.2	3463.0
-27.5°	403.1	565.9	698.5	819.3	970.8	1148.5	1292.7	1418.9	1783.6	2506.4	3301.8
-30°	394.0	537.1	678.8	792.9	940.0	1109.1	1267.8	1401.5	1537.9	2141.2	2883.3
-32.5°	373.6	505.6	646.4	767.2	901.8	1063.5	1232.5	1370.8	1509.3	1730.7	2434.5
-35°	352.0	475.9	608.5	735.3	855.5	1011.1	1172.5	1329.8	1467.5	1612.4	1955.8
-37.5°	335.4	443.4	569.1	695.4	814.8	951.5	1105.9	1265.1	1413.5	1563.0	1732.1
-40°	315.2	408.0	529.7	650.7	769.8	893.3	1035.8	1186.3	1341.8	1513.9	1672.5
-42.5°	291.3	381.7	488.2	604.7	720.3	838.7	961.8	1104.3	1266.8	1448.9	1616.6
-45°	261.1	351.7	445.7	554.9	666.5	779.4	896.4	1019.7	1182.8	1356.6	1534.9
-47.5°	227.4	316.7	407.5	500.8	608.0	716.9	826.1	950.8	1088.5	1250.2	1423.6
-50°	192.4	275.1	363.8	450.1	544.6	649.1	754.5	874.7	1004.4	1139.2	1290.9
-52.5°	160.5	229.6	312.5	398.0	483.0	575.6	678.6	790.6	910.8	1039.0	1163.9
-55°	125.8	187.6	256.4	337.9	421.7	504.3	592.8	695.5	806.1	923.2	1040.1
-57.5°	97.7	144.1	203.3	271.3	350.7	432.9	511.5	593.5	690.3	795.3	897.6
-60°	73.3	106.4	151.3	208.9	272.7	348.6	427.0	502.7	579.5	657.0	747.5
-62.5°	50.9	76.6	107.7	147.5	202.3	261.6	330.3	402.4	475.7	542.4	608.4
-65°	42.7	51.3	72.7	101.8	132.7	182.8	237.8	295.5	359.8	417.3	476.7
-67.5°	34.1	42.0	49.8	61.4	87.9	116.9	148.1	196.7	246.9	288.4	330.9
-70°	29.8	33.3	39.6	46.5	53.2	65.0	90.3	117.4	144.4	171.5	206.2
-72.5°	26.2	29.2	32.3	35.7	41.2	46.9	52.6	58.3	73.5	94.1	113.1
-75°	23.0	25.0	27.5	30.3	33.0	35.6	38.4	43.1	47.9	52.6	57.3
-77.5°	20.2	21.7	23.3	25.1	27.1	29.3	31.4	33.5	35.5	37.4	39.4
-80°	17.3	18.3	19.4	20.6	21.9	23.4	24.9	26.5	27.8	29.0	30.3
-82.5°	14.5	15.2	15.9	16.6	17.2	17.8	18.5	19.5	20.4	21.3	22.1
-85°	11.8	12.2	12.6	13.1	13.5	13.9	14.3	14.7	15.1	15.4	15.8
-87.5°	9.2	9.6	10.1	10.4	10.6	10.7	10.9	11.0	11.1	11.2	11.4
-90°	3.6	3.1	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.1	8.6	9.1	9.6	10.1	10.1	10.1	10.1	10.1	10.1	10.1
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.7	2.6	2.5	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	4.4	4.1	3.8	3.5	3.2	3.0	2.8	2.5	2.1	2.0	2.0
75°	5.9	6.0	6.1	5.8	5.2	4.8	4.5	4.1	3.8	3.8	3.9
72.5°	10.8	10.7	10.3	10.3	9.6	9.3	9.4	9.2	8.9	9.1	9.4
70°	20.8	21.3	20.9	19.6	17.4	15.8	14.9	13.7	12.2	12.1	12.7
67.5°	32.7	31.2	29.3	26.9	23.3	20.2	18.6	17.1	15.7	15.4	15.7
65°	41.6	35.3	30.9	27.4	24.5	21.6	19.7	17.7	15.8	14.7	14.5
62.5°	40.1	33.0	28.2	25.0	22.3	19.9	17.5	15.1	12.9	11.4	11.5
60°	37.7	29.8	23.6	20.5	18.1	16.3	14.2	12.4	11.0	10.1	10.2
57.5°	32.1	23.5	18.0	16.6	14.9	13.0	11.6	10.9	10.4	10.1	10.1
55°	24.7	19.8	16.5	14.7	13.0	11.3	10.2	10.4	10.4	10.1	10.6
52.5°	20.4	17.5	15.2	13.5	12.7	12.2	12.0	12.0	12.2	12.6	12.9
50°	18.3	16.3	15.2	14.0	14.0	14.0	14.0	14.6	15.2	15.4	15.2
47.5°	18.4	17.6	18.5	16.1	16.5	18.1	18.2	18.3	19.6	20.0	19.8
45°	23.3	28.0	28.1	25.9	24.6	29.9	30.3	27.4	42.1	41.2	31.2
42.5°	41.4	44.2	44.4	46.8	51.9	68.2	98.4	125.7	129.9	114.2	78.3
40°	66.9	64.6	69.7	83.6	123.9	160.7	188.6	271.9	271.2	212.2	213.8
37.5°	108.8	106.3	114.1	156.4	169.5	146.6	206.4	212.2	181.7	216.5	219.6
35°	187.3	212.4	185.1	229.9	232.1	207.5	222.8	248.6	212.0	253.6	271.7
32.5°	341.5	385.7	389.9	386.5	409.5	432.0	418.8	481.6	492.9	534.5	580.4
30°	554.9	640.0	705.0	692.5	730.7	797.7	819.7	915.6	1011.1	1070.4	1215.7
27.5°	967.0	1009.9	1143.3	1237.1	1215.3	1324.9	1542.2	1609.4	1883.7	2014.9	2204.0
25°	1531.2	1607.4	1797.4	2020.2	2115.7	2299.2	2652.2	2821.2	3181.3	3365.2	4058.3
22.5°	2230.2	2488.5	2726.9	3026.3	3455.9	3820.8	4213.2	4873.0	5944.8	7484.8	9323.3
20°	3028.4	3461.3	3821.8	4374.8	5087.0	5773.2	6788.5	9716.0	12825.1	19310.2	23716.3
17.5°	3783.4	4470.7	4974.4	5708.9	6760.8	8478.5	11976.0	18519.5	28803.4	41366.1	53358.1
15°	4372.6	5075.1	6008.8	7117.4	8724.0	12085.5	18474.1	31407.9	51014.9	70157.7	90299.2
12.5°	4870.5	5613.5	6636.8	8138.6	10541.5	16583.7	28070.4	47553.5	73400.5	101898.1	132008.6
10°	5191.0	6093.2	7318.8	9302.2	13295.3	21879.5	36812.6	62920.4	97663.0	134869.5	168336.6
7.5°	5247.4	6348.3	7900.7	10313.2	16027.7	27404.0	47210.9	77923.4	115973.7	157878.9	200028.2
5°	5269.9	6585.8	8392.5	11107.5	17904.7	31400.2	53200.9	87535.3	129785.1	172822.3	218184.8
2.5°	5330.0	6819.0	8753.5	11663.1	18987.6	33783.1	56662.5	94420.5	138993.7	185726.9	236303.5
0°	5455.1	7063.2	8831.5	11757.8	19214.4	33833.6	58659.3	98365.8	144999.5	192215.3	244969.4
-2.5°	5522.9	7031.9	8765.6	11564.7	18921.9	33839.0	56740.3	95620.9	141867.7	187935.2	241096.0
-5°	5406.5	6717.9	8360.1	10981.7	17641.9	31132.8	52928.2	88533.4	131219.0	172638.8	215387.4
-7.5°	5156.4	6276.1	7783.7	10154.1	15656.9	26938.3	46037.9	75274.5	111521.3	147529.9	180834.6
-10°	4865.2	5807.8	7044.3	8952.4	12851.9	21299.9	36022.2	59026.4	90160.5	121072.3	149178.5
-12.5°	4551.0	5285.0	6200.5	7520.2	9947.8	16082.8	27300.2	44931.7	66459.9	89779.2	115308.4
-15°	4282.4	4823.5	5517.5	6641.5	8493.2	11981.4	18325.3	30058.4	45495.7	63776.9	82595.7
-17.5°	4101.9	4504.2	5108.6	5965.9	7104.2	9176.1	13767.6	20723.9	30656.8	44339.0	56767.7
-20°	3972.3	4350.7	4830.3	5505.4	6458.6	7919.4	10166.1	14960.6	21496.8	30365.0	38801.4



REPORT NUMBER: P731626 (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°	3879.9	4220.4	4625.7	5168.9	6020.2	7161.7	8595.8	10922.8	15039.1	20268.7	26133.8
-25°	3788.9	4071.3	4518.4	5102.4	5687.6	6504.4	7495.6	8638.1	10831.0	13156.1	16756.2
-27.5°	3684.9	4034.3	4533.7	5079.4	5606.6	6012.0	6715.6	7503.6	8664.7	9788.8	11638.4
-30°	3609.1	4055.9	4552.8	5077.2	5483.4	5841.8	6235.2	6837.4	7588.8	8383.2	9233.5
-32.5°	3231.9	3989.4	4499.4	4969.6	5305.6	5638.6	5987.2	6404.9	6885.3	7388.6	7905.0
-35°	2726.5	3533.2	4324.4	4693.0	5033.5	5369.3	5732.9	6071.3	6410.1	6750.5	7074.9
-37.5°	2106.9	2897.5	3644.9	4288.9	4679.9	5021.8	5409.3	5756.8	6053.9	6309.7	6559.3
-40°	1840.6	2116.7	2839.7	3517.5	4086.5	4628.4	4993.6	5378.4	5709.8	5945.7	6157.7
-42.5°	1767.3	1922.8	2083.1	2602.9	3231.1	3788.0	4283.5	4764.9	5220.5	5548.5	5800.6
-45°	1703.7	1835.3	1972.6	2125.9	2279.0	2767.3	3282.4	3800.9	4337.2	4817.2	5205.9
-47.5°	1586.0	1745.4	1880.6	2007.4	2129.2	2268.1	2411.6	2618.1	3088.7	3569.0	4006.9
-50°	1440.6	1589.9	1740.7	1890.7	2003.5	2110.1	2219.2	2342.4	2479.5	2619.5	2737.5
-52.5°	1282.2	1419.6	1558.8	1691.1	1817.4	1940.1	2059.9	2168.5	2270.7	2369.3	2427.2
-55°	1153.6	1263.5	1373.2	1486.6	1601.8	1714.0	1825.4	1937.7	2045.9	2149.2	2206.9
-57.5°	1003.5	1113.1	1218.0	1304.5	1393.9	1485.1	1580.4	1677.2	1772.0	1860.4	1910.1
-60°	840.6	935.6	1026.5	1110.5	1193.2	1274.1	1352.3	1429.0	1502.8	1566.9	1605.9
-62.5°	676.7	754.1	829.4	900.8	970.3	1038.5	1111.6	1180.9	1246.1	1298.9	1331.3
-65°	536.9	596.0	648.3	699.7	750.4	808.8	871.0	929.9	985.1	1028.1	1056.6
-67.5°	380.3	431.1	479.1	524.8	566.9	608.6	652.8	696.0	737.6	769.8	792.7
-70°	239.6	271.7	303.3	337.1	374.0	410.6	447.0	480.7	511.3	534.4	551.8
-72.5°	130.6	146.0	162.2	186.1	209.1	233.6	258.7	282.4	304.5	320.0	331.6
-75°	62.0	68.9	81.3	92.5	102.3	113.1	123.9	134.0	143.1	147.9	150.6
-77.5°	42.5	45.9	49.0	51.8	54.3	57.4	60.9	64.4	67.8	70.0	71.8
-80°	31.7	33.1	34.4	35.8	37.2	38.7	40.1	41.4	42.6	43.7	44.7
-82.5°	22.9	23.6	24.3	25.0	25.5	26.5	27.5	28.5	29.3	30.1	30.9
-85°	16.1	16.5	16.9	17.3	17.5	18.1	18.7	19.3	19.9	20.0	20.1
-87.5°	11.5	12.1	12.6	13.2	13.8	13.9	14.0	14.0	14.1	14.1	14.1
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0



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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°	10.1	10.1	11.2	12.2	11.2	10.1	10.1	10.1	10.1	10.1	10.1
87.5°	0.5	0.0	1.0	2.0	1.0	0.0	0.5	1.0	1.5	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	3.0	4.1	3.0	2.0	2.0	2.0	2.0	2.1	2.5
75°	4.0	4.1	4.1	4.1	4.1	4.1	4.0	3.9	3.8	3.8	4.1
72.5°	9.7	9.9	10.1	10.1	10.1	9.9	9.7	9.4	9.1	8.9	9.2
70°	13.4	14.0	14.2	14.2	14.2	14.0	13.4	12.7	12.1	12.2	13.7
67.5°	16.0	16.1	16.2	16.2	16.2	16.1	16.0	15.7	15.4	15.7	17.1
65°	14.4	14.3	13.3	12.2	13.3	14.3	14.4	14.5	14.7	15.8	17.7
62.5°	11.8	12.2	12.2	12.2	12.2	12.2	11.8	11.5	11.4	12.9	15.1
60°	10.3	10.2	10.1	10.1	10.1	10.2	10.3	10.2	10.1	11.0	12.4
57.5°	10.1	10.1	10.9	12.2	10.9	10.1	10.1	10.1	10.1	10.4	10.9
55°	11.2	11.9	12.2	12.2	12.2	11.9	11.2	10.6	10.1	10.4	10.4
52.5°	12.8	12.4	12.2	12.2	12.2	12.4	12.8	12.9	12.6	12.2	12.0
50°	14.8	14.4	14.2	14.2	14.2	14.4	14.8	15.2	15.4	15.2	14.6
47.5°	19.4	18.7	18.2	18.3	18.2	18.7	19.4	19.8	20.0	19.6	18.3
45°	31.9	32.0	32.1	32.4	32.1	32.0	31.9	31.2	41.2	42.1	27.4
42.5°	75.2	65.1	56.2	56.8	56.2	65.1	75.2	78.3	114.2	129.9	125.7
40°	192.7	144.2	95.8	81.1	95.8	144.2	192.7	213.8	212.2	271.2	271.9
37.5°	198.4	202.4	238.1	320.4	238.1	202.4	198.4	219.6	216.5	181.7	212.2
35°	277.3	281.6	271.7	265.7	271.7	281.6	277.3	271.7	253.6	212.0	248.6
32.5°	589.6	615.7	612.4	596.2	612.4	615.7	589.6	580.4	534.5	492.9	481.6
30°	1269.8	1336.3	1329.1	1342.5	1329.1	1336.3	1269.8	1215.7	1070.4	1011.1	915.6
27.5°	2279.0	2361.1	2376.0	2358.5	2376.0	2361.1	2279.0	2204.0	2014.9	1883.7	1609.4
25°	4523.8	4653.6	4606.2	4544.5	4606.2	4653.6	4523.8	4058.3	3365.2	3181.3	2821.2
22.5°	11472.6	11986.3	11933.5	11500.3	11933.5	11986.3	11472.6	9323.3	7484.8	5944.8	4873.0
20°	31519.9	34911.6	36387.6	34387.3	36387.6	34911.6	31519.9	23716.3	19310.2	12825.1	9716.0
17.5°	66716.2	77050.1	84397.7	87463.7	84397.7	77050.1	66716.2	53358.1	41366.1	28803.4	18519.5
15°	109130.7	124686.4	133733.2	132517.8	133733.2	124686.4	109130.7	90299.2	70157.7	51014.9	31407.9
12.5°	156924.6	175361.8	190641.4	190965.2	190641.4	175361.8	156924.6	132008.6	101898.1	73400.5	47553.5
10°	203153.5	228742.6	249597.4	253638.7	249597.4	228742.6	203153.5	168336.6	134869.5	97663.0	62920.4
7.5°	237835.6	277063.4	303242.0	312834.4	303242.0	277063.4	237835.6	200028.2	157878.9	115973.7	77923.4
5°	272109.7	313214.2	339888.7	344620.8	339888.7	313214.2	272109.7	218184.8	172822.3	129785.1	87535.3
2.5°	295227.1	336690.5	360032.9	376223.8	360032.9	336690.5	295227.1	236303.5	185726.9	138993.7	94420.5
0°	308768.4	342552.4	381176.9	399122.9	381176.9	342552.4	308768.4	244969.4	192215.3	144999.5	98365.8
-2.5°	298530.1	336536.2	358649.4	379042.5	358649.4	336536.2	298530.1	241096.0	187935.2	141867.7	95620.9
-5°	264621.7	305955.5	325491.5	328040.6	325491.5	305955.5	264621.7	215387.4	172638.8	131219.0	88533.4
-7.5°	216227.1	254712.1	273468.7	283823.1	273468.7	254712.1	216227.1	180834.6	147529.9	111521.3	75274.5
-10°	175038.0	197497.2	210123.8	210955.3	210123.8	197497.2	175038.0	149178.5	121072.3	90160.5	59026.4
-12.5°	135138.5	150203.3	157671.3	157398.2	157671.3	150203.3	135138.5	115308.4	89779.2	66459.9	44931.7
-15°	99167.0	110870.8	117607.0	120837.0	117607.0	110870.8	99167.0	82595.7	63776.9	45495.7	30058.4
-17.5°	69995.3	79293.0	86042.8	88769.7	86042.8	79293.0	69995.3	56767.7	44339.0	30656.8	20723.9
-20°	47718.1	54090.2	58469.4	60328.3	58469.4	54090.2	47718.1	38801.4	30365.0	21496.8	14960.6



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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°	31431.3	35703.2	38705.6	38544.5	38705.6	35703.2	31431.3	26133.8	20268.7	15039.1	10922.8
-25°	20037.0	22385.8	23928.1	24053.0	23928.1	22385.8	20037.0	16756.2	13156.1	10831.0	8638.1
-27.5°	13261.8	14294.4	14916.7	15024.8	14916.7	14294.4	13261.8	11638.4	9788.8	8664.7	7503.6
-30°	10037.4	10512.6	10868.3	10853.4	10868.3	10512.6	10037.4	9233.5	8383.2	7588.8	6837.4
-32.5°	8344.4	8578.2	8734.0	8859.9	8734.0	8578.2	8344.4	7905.0	7388.6	6885.3	6404.9
-35°	7297.3	7416.4	7503.2	7582.4	7503.2	7416.4	7297.3	7074.9	6750.5	6410.1	6071.3
-37.5°	6702.9	6785.2	6839.9	6858.4	6839.9	6785.2	6702.9	6559.3	6309.7	6053.9	5756.8
-40°	6238.7	6285.2	6312.8	6329.1	6312.8	6285.2	6238.7	6157.7	5945.7	5709.8	5378.4
-42.5°	5890.4	5954.1	5987.0	5986.4	5987.0	5954.1	5890.4	5800.6	5548.5	5220.5	4764.9
-45°	5428.8	5589.8	5687.4	5728.8	5687.4	5589.8	5428.8	5205.9	4817.2	4337.2	3800.9
-47.5°	4365.7	4671.5	4886.1	4998.8	4886.1	4671.5	4365.7	4006.9	3569.0	3088.7	2618.1
-50°	2843.6	2945.8	2988.8	2970.9	2988.8	2945.8	2843.6	2737.5	2619.5	2479.5	2342.4
-52.5°	2470.2	2506.9	2529.1	2538.9	2529.1	2506.9	2470.2	2427.2	2369.3	2270.7	2168.5
-55°	2255.6	2296.4	2322.7	2336.2	2322.7	2296.4	2255.6	2206.9	2149.2	2045.9	1937.7
-57.5°	1951.5	1984.4	2004.4	2013.7	2004.4	1984.4	1951.5	1910.1	1860.4	1772.0	1677.2
-60°	1639.1	1666.1	1683.8	1693.3	1683.8	1666.1	1639.1	1605.9	1566.9	1502.8	1429.0
-62.5°	1357.5	1377.4	1395.0	1407.4	1395.0	1377.4	1357.5	1331.3	1298.9	1246.1	1180.9
-65°	1079.7	1097.4	1110.2	1117.4	1110.2	1097.4	1079.7	1056.6	1028.1	985.1	929.9
-67.5°	811.5	825.9	837.9	845.6	837.9	825.9	811.5	792.7	769.8	737.6	696.0
-70°	565.9	576.5	586.9	594.2	586.9	576.5	565.9	551.8	534.4	511.3	480.7
-72.5°	340.8	347.4	350.6	350.8	350.6	347.4	340.8	331.6	320.0	304.5	282.4
-75°	152.0	152.4	155.6	158.2	155.6	152.4	152.0	150.6	147.9	143.1	134.0
-77.5°	73.2	74.4	75.9	77.1	75.9	74.4	73.2	71.8	70.0	67.8	64.4
-80°	45.6	46.4	46.5	46.6	46.5	46.4	45.6	44.7	43.7	42.6	41.4
-82.5°	31.6	32.3	32.4	32.4	32.4	32.3	31.6	30.9	30.1	29.3	28.5
-85°	20.2	20.3	20.3	20.3	20.3	20.3	20.2	20.1	20.0	19.9	19.3
-87.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.1	14.1	14.1	14.0
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	10.1	10.1	10.1	9.6	9.1	8.6	8.1	8.1	8.1	8.1	8.1
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.3	2.3	2.3
80°	2.0	2.0	2.0	2.3	2.5	2.6	2.7	3.0	3.3	3.6	3.7
77.5°	2.8	3.0	3.2	3.5	3.8	4.1	4.4	4.6	4.9	5.1	5.1
75°	4.5	4.8	5.2	5.8	6.1	6.0	5.9	5.8	5.8	5.9	5.9
72.5°	9.4	9.3	9.6	10.3	10.3	10.7	10.8	10.1	8.9	7.3	6.1
70°	14.9	15.8	17.4	19.6	20.9	21.3	20.8	19.1	16.4	14.4	11.5
67.5°	18.6	20.2	23.3	26.9	29.3	31.2	32.7	33.1	31.5	28.4	20.4
65°	19.7	21.6	24.5	27.4	30.9	35.3	41.6	44.8	45.0	42.8	33.1
62.5°	17.5	19.9	22.3	25.0	28.2	33.0	40.1	46.7	52.9	54.6	44.3
60°	14.2	16.3	18.1	20.5	23.6	29.8	37.7	45.4	52.7	53.1	49.8
57.5°	11.6	13.0	14.9	16.6	18.0	23.5	32.1	42.7	51.5	49.9	48.0
55°	10.2	11.3	13.0	14.7	16.5	19.8	24.7	32.6	42.1	45.4	43.7
52.5°	12.0	12.2	12.7	13.5	15.2	17.5	20.4	25.9	30.7	35.2	38.0
50°	14.0	14.0	14.0	14.0	15.2	16.3	18.3	21.3	24.5	28.1	31.1
47.5°	18.2	18.1	16.5	16.1	18.5	17.6	18.4	19.8	22.9	23.9	26.9
45°	30.3	29.9	24.6	25.9	28.1	28.0	23.3	25.2	25.5	25.7	24.2
42.5°	98.4	68.2	51.9	46.8	44.4	44.2	41.4	38.5	35.8	31.7	31.9
40°	188.6	160.7	123.9	83.6	69.7	64.6	66.9	58.3	52.5	45.6	47.4
37.5°	206.4	146.6	169.5	156.4	114.1	106.3	108.8	93.3	72.8	85.1	83.0
35°	222.8	207.5	232.1	229.9	185.1	212.4	187.3	151.5	133.8	152.8	137.7
32.5°	418.8	432.0	409.5	386.5	389.9	385.7	341.5	256.2	258.7	257.4	226.5
30°	819.7	797.7	730.7	692.5	705.0	640.0	554.9	539.4	474.8	389.6	339.9
27.5°	1542.2	1324.9	1215.3	1237.1	1143.3	1009.9	967.0	938.8	766.9	607.5	484.8
25°	2652.2	2299.2	2115.7	2020.2	1797.4	1607.4	1531.2	1426.5	1205.3	889.1	674.6
22.5°	4213.2	3820.8	3455.9	3026.3	2726.9	2488.5	2230.2	1981.5	1719.6	1295.1	962.5
20°	6788.5	5773.2	5087.0	4374.8	3821.8	3461.3	3028.4	2603.1	2242.4	1807.1	1293.8
17.5°	11976.0	8478.5	6760.8	5708.9	4974.4	4470.7	3783.4	3156.8	2743.5	2352.5	1648.5
15°	18474.1	12085.5	8724.0	7117.4	6008.8	5075.1	4372.6	3651.1	3224.8	2851.4	2075.9
12.5°	28070.4	16583.7	10541.5	8138.6	6636.8	5613.5	4870.5	4167.6	3614.6	3109.0	2380.8
10°	36812.6	21879.5	13295.3	9302.2	7318.8	6093.2	5191.0	4366.0	3720.6	3245.2	2634.9
7.5°	47210.9	27404.0	16027.7	10313.2	7900.7	6348.3	5247.4	4393.1	3783.5	3341.8	2840.1
5°	53200.9	31400.2	17904.7	11107.5	8392.5	6585.8	5269.9	4345.0	3808.5	3404.7	2998.3
2.5°	56662.5	33783.1	18987.6	11663.1	8753.5	6819.0	5330.0	4352.1	3839.2	3446.3	3059.2
0°	58659.3	33833.6	19214.4	11757.8	8831.5	7063.2	5455.1	4424.9	3865.2	3471.8	3080.4
-2.5°	56740.3	33839.0	18921.9	11564.7	8765.6	7031.9	5522.9	4503.6	3927.4	3486.5	3072.1
-5°	52928.2	31132.8	17641.9	10981.7	8360.1	6717.9	5406.5	4473.3	3912.1	3465.3	3028.2
-7.5°	46037.9	26938.3	15656.9	10154.1	7783.7	6276.1	5156.4	4317.1	3765.6	3346.3	2890.3
-10°	36022.2	21299.9	12851.9	8952.4	7044.3	5807.8	4865.2	4118.4	3600.5	3214.3	2726.5
-12.5°	27300.2	16082.8	9947.8	7520.2	6200.5	5285.0	4551.0	3904.1	3419.1	3071.9	2541.9
-15°	18325.3	11981.4	8493.2	6641.5	5517.5	4823.5	4282.4	3769.1	3353.3	2963.3	2340.7
-17.5°	13767.6	9176.1	7104.2	5965.9	5108.6	4504.2	4101.9	3701.6	3317.7	2876.9	2154.0
-20°	10166.1	7919.4	6458.6	5505.4	4830.3	4350.7	3972.3	3642.0	3260.9	2665.5	1927.4



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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°	8595.8	7161.7	6020.2	5168.9	4625.7	4220.4	3879.9	3565.6	3179.0	2386.5	1676.9
-25°	7495.6	6504.4	5687.6	5102.4	4518.4	4071.3	3788.9	3463.0	2864.2	2072.7	1442.7
-27.5°	6715.6	6012.0	5606.6	5079.4	4533.7	4034.3	3684.9	3301.8	2506.4	1783.6	1418.9
-30°	6235.2	5841.8	5483.4	5077.2	4552.8	4055.9	3609.1	2883.3	2141.2	1537.9	1401.5
-32.5°	5987.2	5638.6	5305.6	4969.6	4499.4	3989.4	3231.9	2434.5	1730.7	1509.3	1370.8
-35°	5732.9	5369.3	5033.5	4693.0	4324.4	3533.2	2726.5	1955.8	1612.4	1467.5	1329.8
-37.5°	5409.3	5021.8	4679.9	4288.9	3644.9	2897.5	2106.9	1732.1	1563.0	1413.5	1265.1
-40°	4993.6	4628.4	4086.5	3517.5	2839.7	2116.7	1840.6	1672.5	1513.9	1341.8	1186.3
-42.5°	4283.5	3788.0	3231.1	2602.9	2083.1	1922.8	1767.3	1616.6	1448.9	1266.8	1104.3
-45°	3282.4	2767.3	2279.0	2125.9	1972.6	1835.3	1703.7	1534.9	1356.6	1182.8	1019.7
-47.5°	2411.6	2268.1	2129.2	2007.4	1880.6	1745.4	1586.0	1423.6	1250.2	1088.5	950.8
-50°	2219.2	2110.1	2003.5	1890.7	1740.7	1589.9	1440.6	1290.9	1139.2	1004.4	874.7
-52.5°	2059.9	1940.1	1817.4	1691.1	1558.8	1419.6	1282.2	1163.9	1039.0	910.8	790.6
-55°	1825.4	1714.0	1601.8	1486.6	1373.2	1263.5	1153.6	1040.1	923.2	806.1	695.5
-57.5°	1580.4	1485.1	1393.9	1304.5	1218.0	1113.1	1003.5	897.6	795.3	690.3	593.5
-60°	1352.3	1274.1	1193.2	1110.5	1026.5	935.6	840.6	747.5	657.0	579.5	502.7
-62.5°	1111.6	1038.5	970.3	900.8	829.4	754.1	676.7	608.4	542.4	475.7	402.4
-65°	871.0	808.8	750.4	699.7	648.3	596.0	536.9	476.7	417.3	359.8	295.5
-67.5°	652.8	608.6	566.9	524.8	479.1	431.1	380.3	330.9	288.4	246.9	196.7
-70°	447.0	410.6	374.0	337.1	303.3	271.7	239.6	206.2	171.5	144.4	117.4
-72.5°	258.7	233.6	209.1	186.1	162.2	146.0	130.6	113.1	94.1	73.5	58.3
-75°	123.9	113.1	102.3	92.5	81.3	68.9	62.0	57.3	52.6	47.9	43.1
-77.5°	60.9	57.4	54.3	51.8	49.0	45.9	42.5	39.4	37.4	35.5	33.5
-80°	40.1	38.7	37.2	35.8	34.4	33.1	31.7	30.3	29.0	27.8	26.5
-82.5°	27.5	26.5	25.5	25.0	24.3	23.6	22.9	22.1	21.3	20.4	19.5
-85°	18.7	18.1	17.5	17.3	16.9	16.5	16.1	15.8	15.4	15.1	14.7
-87.5°	14.0	13.9	13.8	13.2	12.6	12.1	11.5	11.4	11.2	11.1	11.0
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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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°	8.1	8.1	8.1	8.1	7.6	7.1	6.6	6.1	6.1	6.1	6.1
87.5°	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.1	4.1	4.1
85°	2.2	2.3	2.3	2.3	2.7	3.1	3.6	4.1	4.1	4.1	4.1
82.5°	2.6	3.0	3.3	3.5	3.5	3.6	3.8	4.1	4.2	4.1	4.1
80°	3.6	3.7	3.9	4.1	4.1	4.1	4.0	4.1	4.4	4.5	4.4
77.5°	4.6	4.3	4.1	4.1	4.1	4.1	4.1	4.2	4.6	4.9	4.9
75°	5.4	4.8	4.3	4.2	4.2	4.1	4.1	4.3	4.7	5.2	5.4
72.5°	5.9	5.4	4.7	4.3	4.6	4.7	4.4	4.3	4.8	5.3	5.8
70°	8.7	6.6	5.7	5.3	5.2	5.3	5.2	4.9	4.9	5.3	5.8
67.5°	13.3	10.1	7.7	6.3	5.8	5.7	6.0	5.6	5.3	5.4	5.9
65°	23.8	15.9	9.9	7.9	6.6	6.0	6.1	6.1	5.8	5.7	5.9
62.5°	33.9	23.7	16.2	10.5	7.4	6.4	6.1	6.4	6.2	5.9	6.0
60°	44.3	33.1	23.0	16.2	10.2	6.6	6.3	6.6	6.5	6.1	6.1
57.5°	44.7	41.1	32.4	22.7	15.1	8.9	6.6	7.0	7.0	6.5	6.1
55°	42.6	40.5	38.8	30.9	20.8	13.0	8.2	7.4	7.4	7.0	6.2
52.5°	37.8	39.9	40.2	36.8	27.9	17.6	11.9	7.9	8.0	7.5	6.7
50°	32.8	38.2	41.2	39.6	34.0	24.3	15.4	10.7	8.6	8.1	7.3
47.5°	30.7	37.0	41.3	42.3	37.7	30.7	20.6	13.4	9.3	8.8	7.9
45°	31.1	36.2	41.7	43.8	41.9	35.3	26.3	15.9	11.4	9.4	8.4
42.5°	33.5	38.0	41.7	46.2	44.6	39.1	31.8	20.4	13.4	10.0	8.9
40°	45.5	42.4	43.3	48.3	47.9	42.7	35.3	25.2	15.1	10.9	9.5
37.5°	61.7	54.0	49.0	55.3	52.8	46.4	38.5	29.7	17.4	12.3	10.0
35°	105.2	72.4	71.9	72.3	62.8	50.8	41.5	33.5	21.5	13.5	10.5
32.5°	160.4	124.9	121.6	101.2	76.6	55.8	45.2	36.8	25.6	14.7	11.0
30°	267.3	240.2	190.2	138.6	98.0	68.8	50.5	40.2	29.7	15.6	11.6
27.5°	442.8	382.4	283.2	201.8	134.1	85.6	57.9	43.8	33.8	17.5	12.4
25°	624.3	547.2	421.1	282.9	175.8	119.6	66.4	47.5	37.1	20.7	13.1
22.5°	800.0	718.7	577.0	375.1	236.8	163.2	84.8	54.2	40.0	23.8	13.8
20°	971.1	894.2	736.4	459.1	308.4	216.6	116.7	61.3	42.8	26.7	14.4
17.5°	1160.0	1029.2	825.9	557.6	379.4	270.4	153.4	68.8	45.7	29.4	14.8
15°	1392.2	1109.2	912.2	645.1	442.7	324.2	193.9	76.4	48.4	32.0	15.5
12.5°	1600.0	1183.1	997.3	721.8	498.7	377.3	236.6	84.1	51.0	35.0	16.3
10°	1795.1	1251.1	1079.3	788.0	548.2	429.1	280.4	92.7	55.2	38.3	17.2
7.5°	1973.3	1313.2	1156.5	844.1	588.6	464.8	307.4	103.4	59.5	41.4	18.1
5°	2118.6	1362.6	1210.3	882.2	608.5	482.0	327.0	113.6	63.6	44.2	18.9
2.5°	2187.0	1396.5	1243.5	910.8	625.4	495.4	341.4	123.2	67.5	46.6	19.6
0°	2222.6	1425.6	1265.4	930.8	638.8	504.9	350.8	131.8	71.0	48.7	20.3
-2.5°	2227.8	1432.1	1271.0	951.2	660.1	518.8	363.2	155.2	89.2	59.9	26.6
-5°	2199.8	1432.9	1266.9	962.7	677.1	528.8	371.5	177.2	106.7	70.4	32.7
-7.5°	2104.4	1411.3	1245.2	963.6	689.3	534.9	376.3	197.4	123.1	80.0	38.4
-10°	1969.7	1373.5	1203.3	947.3	700.8	543.6	380.3	215.5	138.1	88.5	43.5
-12.5°	1805.1	1330.9	1160.3	927.4	709.4	555.3	393.1	233.9	151.4	95.7	47.9
-15°	1611.5	1283.8	1118.7	905.8	714.4	564.8	402.0	250.1	163.5	102.1	51.5
-17.5°	1398.8	1232.5	1080.7	884.0	716.3	572.4	407.2	262.5	173.7	107.8	54.8
-20°	1351.5	1202.0	1047.2	863.2	715.0	578.6	408.8	270.8	181.6	111.6	57.7



REPORT NUMBER: P731626 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-40-80-3S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1333.5	1188.3	1025.6	853.7	713.2	583.6	406.8	274.5	187.3	113.4	59.3
-25°	1314.7	1171.7	1001.3	840.4	712.8	576.7	405.6	273.4	190.4	113.1	59.6
-27.5°	1292.7	1148.5	970.8	819.3	698.5	565.9	403.1	276.0	190.6	110.5	58.5
-30°	1267.8	1109.1	940.0	792.9	678.8	537.1	394.0	275.5	187.2	108.0	55.8
-32.5°	1232.5	1063.5	901.8	767.2	646.4	505.6	373.6	271.5	180.7	104.8	54.0
-35°	1172.5	1011.1	855.5	735.3	608.5	475.9	352.0	264.0	171.0	99.4	51.6
-37.5°	1105.9	951.5	814.8	695.4	569.1	443.4	335.4	247.2	158.2	91.9	48.1
-40°	1035.8	893.3	769.8	650.7	529.7	408.0	315.2	226.3	146.1	82.1	43.3
-42.5°	961.8	838.7	720.3	604.7	488.2	381.7	291.3	202.3	130.7	73.7	37.2
-45°	896.4	779.4	666.5	554.9	445.7	351.7	261.1	176.2	112.8	65.3	32.4
-47.5°	826.1	716.9	608.0	500.8	407.5	316.7	227.4	153.4	92.9	55.3	30.2
-50°	754.5	649.1	544.6	450.1	363.8	275.1	192.4	127.9	79.0	43.3	27.6
-52.5°	678.6	575.6	483.0	398.0	312.5	229.6	160.5	101.2	64.0	36.9	24.7
-55°	592.8	504.3	421.7	337.9	256.4	187.6	125.8	82.5	47.7	32.8	21.6
-57.5°	511.5	432.9	350.7	271.3	203.3	144.1	97.7	62.5	40.0	28.4	20.5
-60°	427.0	348.6	272.7	208.9	151.3	106.4	73.3	46.1	34.6	24.4	19.2
-62.5°	330.3	261.6	202.3	147.5	107.7	76.6	50.9	39.5	28.8	22.8	17.9
-65°	237.8	182.8	132.7	101.8	72.7	51.3	42.7	32.5	25.9	21.0	16.6
-67.5°	148.1	116.9	87.9	61.4	49.8	42.0	34.1	28.5	23.7	19.2	15.7
-70°	90.3	65.0	53.2	46.5	39.6	33.3	29.8	25.8	21.3	17.8	14.7
-72.5°	52.6	46.9	41.2	35.7	32.3	29.2	26.2	23.0	19.6	16.5	13.6
-75°	38.4	35.6	33.0	30.3	27.5	25.0	23.0	20.8	17.8	15.0	12.4
-77.5°	31.4	29.3	27.1	25.1	23.3	21.7	20.2	18.6	15.9	13.5	11.2
-80°	24.9	23.4	21.9	20.6	19.4	18.3	17.3	16.2	14.0	11.9	9.9
-82.5°	18.5	17.8	17.2	16.6	15.9	15.2	14.5	13.7	11.9	10.2	8.8
-85°	14.3	13.9	13.5	13.1	12.6	12.2	11.8	11.2	10.0	8.8	7.9
-87.5°	10.9	10.7	10.6	10.4	10.1	9.6	9.2	8.7	8.0	7.5	7.0
-90°	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.1	4.1	4.1



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.1	6.1	6.1	6.1	6.1	5.1	4.1
87.5°	4.1	4.2	4.3	4.3	4.3	4.2	4.1
85°	4.1	4.3	4.4	4.5	4.4	4.3	4.1
82.5°	4.1	4.4	4.6	4.7	4.6	4.4	4.1
80°	4.2	4.6	4.8	4.9	4.8	4.4	4.1
77.5°	4.7	4.8	5.0	5.1	5.0	4.5	4.1
75°	5.2	5.1	5.2	5.3	5.1	4.6	4.1
72.5°	5.7	5.4	5.4	5.5	5.3	4.7	4.1
70°	6.1	5.7	5.5	5.7	5.5	4.8	4.1
67.5°	6.1	6.0	5.7	5.8	5.6	4.9	4.1
65°	6.1	6.1	5.8	5.8	5.8	4.9	4.1
62.5°	6.1	6.1	6.0	5.9	5.9	5.0	4.1
60°	6.1	6.1	6.1	5.9	6.1	5.1	4.1
57.5°	6.2	6.1	6.1	6.0	6.1	5.2	4.1
55°	6.3	6.1	6.1	6.0	6.1	5.2	4.1
52.5°	6.5	6.1	6.1	6.1	6.1	5.3	4.1
50°	6.7	6.3	6.1	6.1	6.1	5.4	4.1
47.5°	6.9	6.5	6.1	6.1	6.1	5.5	4.1
45°	7.4	6.7	6.1	6.1	6.1	5.5	4.1
42.5°	7.8	7.0	6.1	6.1	6.1	5.6	4.1
40°	8.3	7.2	6.2	6.1	6.1	5.6	4.1
37.5°	8.7	7.5	6.4	6.1	6.1	5.7	4.1
35°	9.1	7.8	6.6	6.1	6.1	5.7	4.1
32.5°	9.6	8.2	6.8	6.1	6.1	5.8	4.1
30°	9.9	8.5	7.0	6.1	6.1	5.8	4.1
27.5°	10.3	8.8	7.2	6.1	6.1	5.9	4.1
25°	10.7	9.1	7.3	6.1	6.1	5.9	4.1
22.5°	11.0	9.3	7.5	6.1	6.1	5.9	4.1
20°	11.4	9.5	7.6	6.1	6.1	6.0	4.1
17.5°	11.7	9.6	7.7	6.1	6.1	6.0	4.1
15°	12.1	9.8	7.8	6.1	6.1	6.0	4.1
12.5°	12.5	9.9	7.9	6.1	6.1	6.1	4.1
10°	12.9	9.9	8.0	6.1	6.1	6.1	4.1
7.5°	13.2	10.0	8.0	6.1	6.1	6.1	4.1
5°	13.6	10.1	8.1	6.1	6.1	6.1	4.1
2.5°	13.9	10.1	8.1	6.1	6.1	6.1	4.1
0°	14.2	10.1	8.1	6.1	6.1	6.1	4.1
-2.5°	16.6	11.0	8.5	6.4	6.2	6.1	4.1
-5°	18.9	11.9	8.8	6.6	6.3	6.1	4.1
-7.5°	21.1	12.7	9.1	6.9	6.4	6.1	4.1
-10°	23.0	13.4	9.4	7.1	6.4	6.1	4.1
-12.5°	24.7	14.1	9.7	7.4	6.5	6.1	4.1
-15°	26.1	14.7	10.0	7.6	6.6	6.0	4.1
-17.5°	27.2	15.2	10.2	7.8	6.6	6.0	4.1
-20°	28.2	15.5	10.4	8.0	6.7	6.0	4.1



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 CATALOG NUMBER: EPH-LS-08-0680N-40-80-3S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	29.1	15.7	10.6	8.1	6.7	6.0	4.1
-25°	29.4	15.9	10.8	8.3	6.8	6.0	4.1
-27.5°	29.0	16.0	11.0	8.4	6.8	5.9	4.1
-30°	27.8	15.9	11.1	8.5	6.8	5.9	4.1
-32.5°	25.8	15.6	11.2	8.6	6.8	5.9	4.1
-35°	24.8	15.2	11.2	8.6	6.8	5.8	4.1
-37.5°	24.2	14.8	11.2	8.6	6.8	5.8	4.1
-40°	23.3	14.7	11.1	8.6	6.8	5.8	4.1
-42.5°	22.1	14.6	11.1	8.6	6.7	5.8	4.1
-45°	20.6	14.4	11.0	8.5	6.7	5.7	4.1
-47.5°	18.8	14.1	10.8	8.4	6.6	5.7	4.1
-50°	18.1	13.7	10.6	8.2	6.5	5.7	4.1
-52.5°	17.4	13.3	10.4	8.1	6.4	5.6	4.1
-55°	16.7	12.9	10.2	7.9	6.3	5.6	4.1
-57.5°	15.8	12.5	9.9	7.8	6.2	5.6	4.1
-60°	14.9	12.0	9.6	7.6	6.1	5.5	4.1
-62.5°	14.3	11.6	9.2	7.3	6.1	5.5	4.1
-65°	13.6	11.0	8.9	7.1	6.1	5.5	4.1
-67.5°	12.8	10.5	8.5	6.8	6.1	5.4	4.1
-70°	12.0	9.8	8.0	6.6	6.1	5.4	4.1
-72.5°	11.1	9.2	7.6	6.5	6.1	5.4	4.1
-75°	10.1	8.5	7.1	6.4	6.1	5.3	4.1
-77.5°	9.2	7.8	6.9	6.4	6.1	5.3	4.1
-80°	8.2	7.4	6.8	6.3	6.1	5.3	4.1
-82.5°	7.6	7.1	6.6	6.3	6.1	5.2	4.1
-85°	7.1	6.7	6.4	6.2	6.1	5.2	4.1
-87.5°	6.6	6.4	6.3	6.2	6.1	5.1	4.1
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1

(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

