

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: P731318 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-40-70-4S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731318 (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: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-40-70-4S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

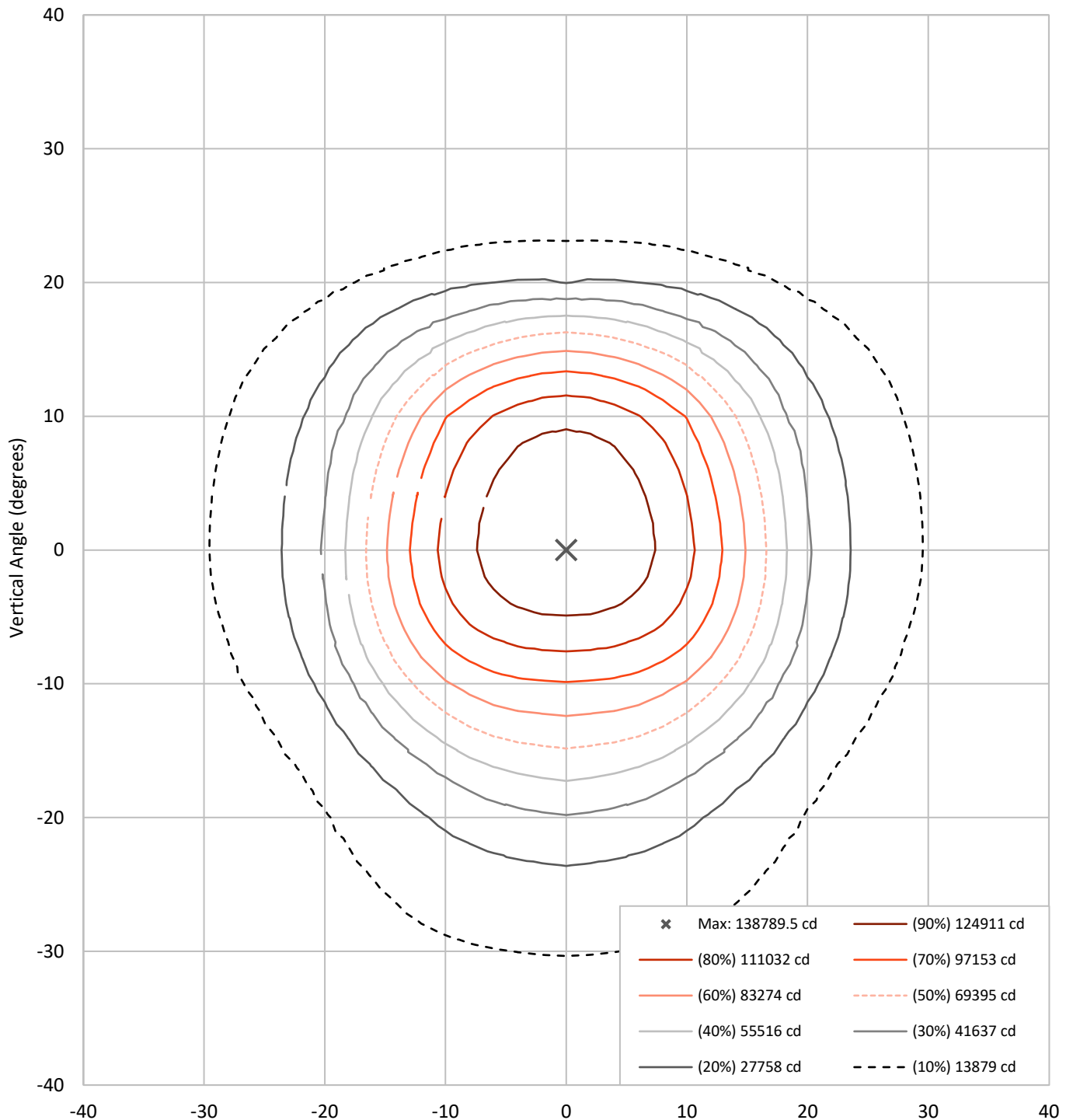
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	47288.5 lumens	Max Intensity:	138789.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	136.8 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:	25845 lumens	Field Lumens:	41644.7 lumens
Beam Efficiency:	54.7%	Field Efficiency:	88.1%

Input Watts (W): 345.8
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





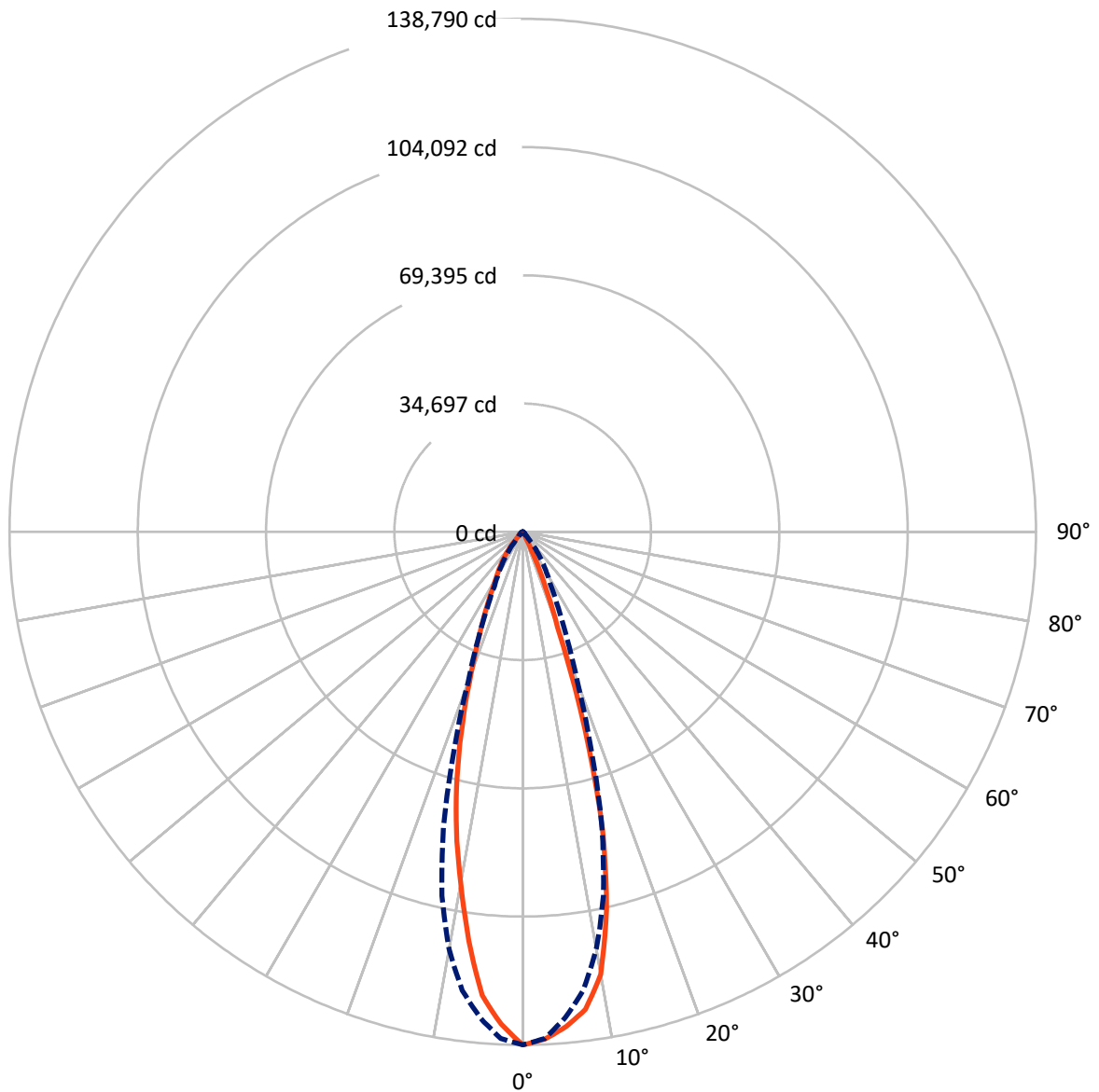
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Lumen Table

90																			
80	0.0	0.1		0.2		0.3		0.2		0.3		0.2		0.1		0.0			
70																			
60	0.0	0.0	0.1	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.1	0.0	0.0			
50		0.0	0.2	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.2	0.0				
40	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1			
30		0.1	0.5	1.4	2.6	4.4	6.8	8.3	8.3	6.8	4.4	2.6	1.4	0.5	0.1				
20	0.1	0.3	2.3	7.1	28.1	87.6	175.5	285.0	285.0	175.5	87.6	28.1	7.1	2.3	0.3	0.1			
10		0.7	5.3	17.2	116.0	396.2	1182.5	2204.6	2204.6	1182.5	396.2	116.0	17.2	5.3	0.7				
0	0.1	1.2	7.2	24.5	180.7	643.8	2207.6	3781.2	3781.2	2207.6	643.8	180.7	24.5	7.2	1.2	0.1			
-10		1.5	7.7	25.2	178.4	621.0	2136.8	3519.7	3519.7	2136.8	621.0	178.4	25.2	7.7	1.5				
-20	0.3	1.8	7.4	19.4	106.1	350.9	1078.3	1922.1	1922.1	1078.3	350.9	106.1	19.4	7.4	1.8	0.3			
-30		1.8	7.1	15.0	50.0	190.2	438.2	699.1	699.1	438.2	190.2	50.0	15.0	7.1	1.8				
-40	0.2	1.5	6.4	12.8	24.6	70.7	176.9	268.8	268.8	176.9	70.7	24.6	12.8	6.4	1.5	0.2			
-50		1.0	4.6	10.9	18.4	28.1	42.8	58.1	58.1	42.8	28.1	18.4	10.9	4.6	1.0				
-60	0.1	0.5	2.4	7.1	13.8	20.0	25.6	29.4	29.4	25.6	20.0	13.8	7.1	2.4	0.5	0.1			
-70		0.2	0.8	2.5	5.6	9.3	13.1	15.2	15.2	13.1	9.3	5.6	2.5	0.8	0.2				
-80	0.1	0.4		1.8		4.4		5.9		4.4		1.8		0.4		0.1			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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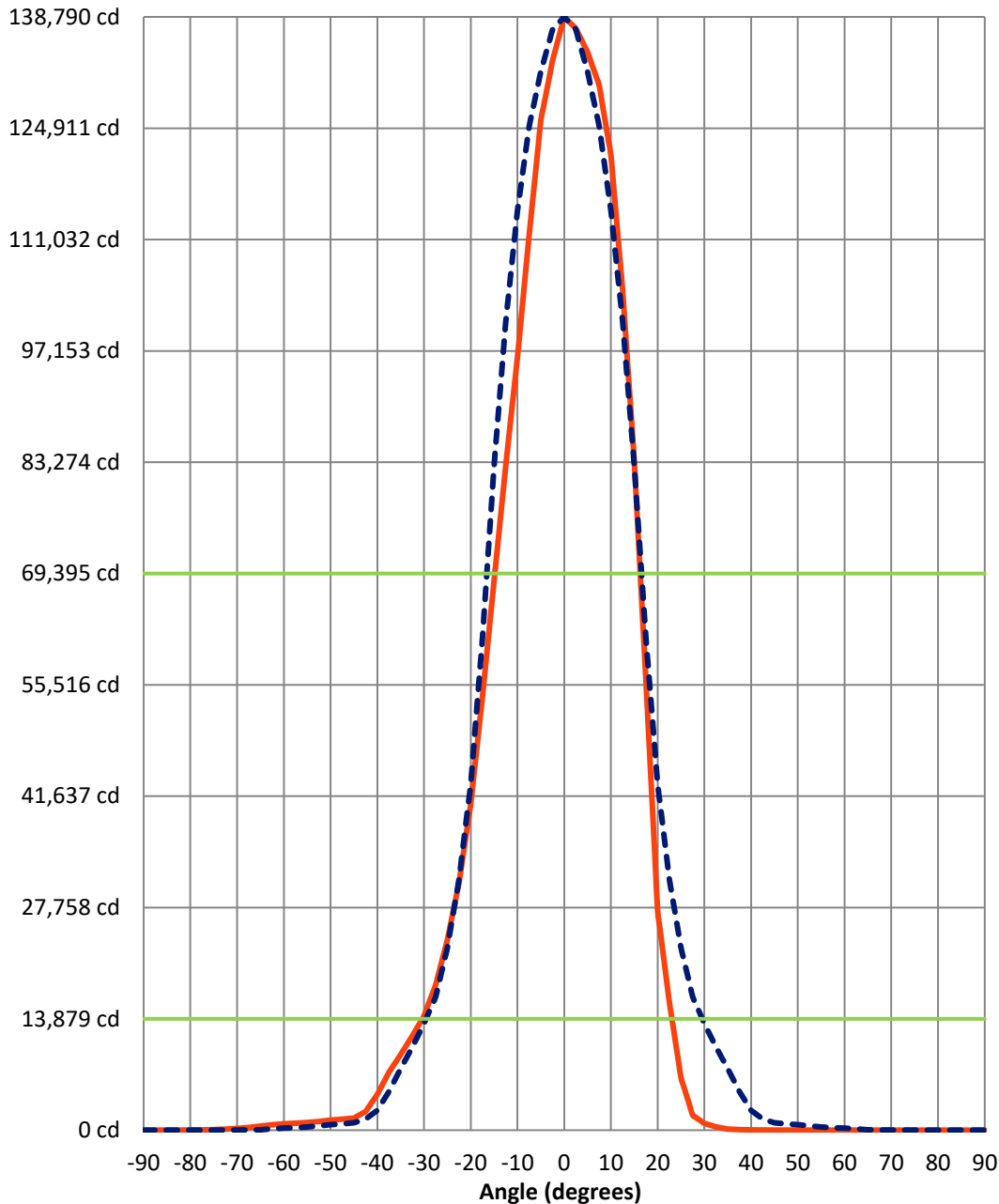
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 31.1°
 Lumens: 25845
 Efficiency: 54.7%

Field:
 H Angle: 59.1°
 V Angle: 53.4°
 Lumens: 41644.7
 Efficiency: 88.1%

Spill:
 Lumens: 5643.8
 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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
87.5°	2.4	1.8	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2
85°	2.4	1.9	1.4	1.4	1.4	1.3	1.2	1.2	1.2	1.2	1.2
82.5°	2.4	1.9	1.5	1.6	1.5	1.4	1.2	1.2	1.2	1.2	1.2
80°	2.4	1.9	1.6	1.7	1.6	1.5	1.3	1.4	1.4	1.4	1.2
77.5°	2.4	1.9	1.7	1.8	1.7	1.6	1.6	1.7	1.7	1.5	1.4
75°	2.4	2.0	1.8	1.9	1.9	1.8	1.9	2.0	1.9	1.8	1.9
72.5°	2.4	2.0	1.9	2.0	2.0	2.0	2.2	2.2	2.1	2.1	2.3
70°	2.4	2.0	2.0	2.2	2.1	2.2	2.4	2.3	2.3	2.4	2.4
67.5°	2.4	2.1	2.1	2.2	2.2	2.3	2.4	2.3	2.4	2.4	2.4
65°	2.4	2.1	2.2	2.2	2.2	2.4	2.4	2.4	2.4	2.4	2.4
62.5°	2.4	2.1	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.1	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.2	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
52.5°	2.4	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
50°	2.4	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.1
47.5°	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.9
45°	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.1	4.7
42.5°	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.5	3.7	5.7
40°	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.5	2.8	4.4	6.7
37.5°	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.7	3.4	5.2	7.7
35°	2.4	2.3	2.4	2.4	2.4	2.4	2.4	2.8	4.0	6.1	8.6
32.5°	2.4	2.3	2.4	2.4	2.4	2.4	2.4	3.0	4.6	7.0	9.5
30°	2.4	2.4	2.4	2.4	2.4	2.4	2.6	3.2	5.1	7.9	10.6
27.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.7	3.7	5.7	8.7	11.8
25°	2.4	2.4	2.4	2.4	2.4	2.4	2.8	4.1	6.4	9.6	13.2
22.5°	2.4	2.4	2.4	2.4	2.4	2.4	3.0	4.5	7.0	10.6	16.0
20°	2.4	2.4	2.4	2.4	2.4	2.5	3.1	4.8	7.5	11.7	19.1
17.5°	2.4	2.4	2.4	2.4	2.4	2.6	3.4	5.1	8.1	12.8	22.3
15°	2.4	2.4	2.4	2.4	2.4	2.7	3.6	5.6	8.5	14.0	25.7
12.5°	2.4	2.4	2.4	2.4	2.4	2.9	3.8	6.1	9.3	15.1	29.1
10°	2.4	2.4	2.4	2.4	2.4	3.0	4.0	6.6	10.4	17.2	32.6
7.5°	2.4	2.4	2.4	2.4	2.4	3.2	4.3	7.1	11.5	19.3	36.3
5°	2.4	2.4	2.4	2.4	2.4	3.3	4.5	7.6	12.5	21.4	39.7
2.5°	2.4	2.4	2.4	2.4	2.4	3.5	4.6	8.0	13.5	23.4	42.8
0°	2.4	2.4	2.4	2.4	2.4	3.6	4.8	8.4	14.4	25.2	45.5
-2.5°	2.4	2.4	2.4	2.4	2.5	4.0	5.9	10.6	19.4	34.0	58.7
-5°	2.4	2.4	2.4	2.4	2.6	4.4	7.0	12.8	24.1	42.4	71.2
-7.5°	2.4	2.4	2.4	2.4	2.7	4.7	8.0	14.8	28.5	50.2	82.8
-10°	2.4	2.4	2.4	2.4	2.8	5.0	8.9	16.6	32.4	57.3	93.4
-12.5°	2.4	2.4	2.4	2.4	2.9	5.3	9.7	18.2	35.7	63.3	102.6
-15°	2.4	2.4	2.4	2.4	2.9	5.5	10.4	19.6	38.4	68.0	110.3
-17.5°	2.4	2.4	2.4	2.4	3.0	5.6	10.9	20.9	40.5	71.5	115.9
-20°	2.4	2.4	2.4	2.4	3.0	5.7	11.4	22.0	41.8	73.7	119.3



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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°	2.4	2.4	2.4	2.4	3.0	5.7	11.8	22.7	42.2	74.5	120.4
-25°	2.4	2.4	2.4	2.4	3.0	5.8	12.0	23.0	41.8	73.8	118.9
-27.5°	2.4	2.4	2.4	2.4	3.0	5.8	12.0	22.9	40.4	72.2	117.8
-30°	2.4	2.4	2.4	2.4	3.0	5.6	11.6	22.3	39.4	70.4	114.8
-32.5°	2.4	2.4	2.4	2.4	3.0	5.4	11.1	21.8	38.7	67.4	109.7
-35°	2.4	2.4	2.4	2.4	3.0	5.1	10.6	21.1	37.3	63.0	102.3
-37.5°	2.4	2.4	2.4	2.4	3.0	4.8	10.2	20.0	35.2	57.2	93.3
-40°	2.4	2.4	2.4	2.4	3.0	4.8	9.6	18.4	32.4	53.1	84.1
-42.5°	2.4	2.4	2.4	2.4	3.0	4.8	8.8	16.5	29.8	48.4	73.6
-45°	2.4	2.4	2.4	2.4	3.1	4.7	7.9	14.6	27.1	43.1	62.6
-47.5°	2.4	2.4	2.4	2.5	3.1	4.6	6.8	13.3	23.8	37.3	56.0
-50°	2.4	2.4	2.4	2.5	3.1	4.4	6.4	11.7	19.7	32.4	48.7
-52.5°	2.4	2.4	2.4	2.5	3.1	4.2	6.2	9.9	16.7	27.1	41.0
-55°	2.4	2.4	2.4	2.5	3.0	4.1	5.9	8.1	14.1	21.2	34.1
-57.5°	2.4	2.4	2.4	2.5	2.9	4.0	5.6	7.7	11.5	17.5	26.6
-60°	2.4	2.4	2.4	2.5	2.8	3.8	5.3	7.2	9.1	14.3	20.1
-62.5°	2.4	2.4	2.4	2.5	2.8	3.6	4.9	6.6	8.4	11.0	16.4
-65°	2.4	2.4	2.4	2.5	2.7	3.3	4.5	6.0	7.7	9.6	12.5
-67.5°	2.4	2.4	2.4	2.4	2.7	3.1	4.1	5.4	6.9	8.6	10.4
-70°	2.4	2.4	2.4	2.4	2.6	3.0	3.6	4.8	6.2	7.5	9.2
-72.5°	2.4	2.4	2.4	2.4	2.5	2.8	3.3	4.2	5.5	6.7	8.0
-75°	2.4	2.4	2.4	2.4	2.4	2.6	3.0	3.8	4.7	5.9	7.0
-77.5°	2.4	2.4	2.4	2.4	2.4	2.5	2.7	3.4	4.2	5.1	6.1
-80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0	3.6	4.3	5.2
-82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.7	3.0	3.6	4.2
-85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.6	2.8	3.1	3.4
-87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.6	2.7	2.9
-90°	2.4	1.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



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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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.5	1.6	1.7
80°	1.2	1.2	1.2	1.2	1.3	1.5	1.8	2.1	2.3	2.4	2.4
77.5°	1.5	1.5	1.5	1.3	1.4	1.7	2.0	2.3	2.4	2.4	2.4
75°	1.9	1.9	1.6	1.3	1.4	1.7	2.0	2.3	2.4	2.4	2.4
72.5°	2.2	1.9	1.6	1.4	1.6	2.0	2.3	2.4	3.0	3.7	4.1
70°	2.3	2.0	1.9	1.9	2.2	2.7	3.7	5.0	6.3	6.8	7.2
67.5°	2.3	2.2	2.2	2.5	3.4	4.5	6.0	7.9	9.8	10.5	11.2
65°	2.4	2.4	2.7	3.5	4.7	6.5	8.6	10.8	14.0	15.7	16.5
62.5°	2.4	2.6	3.2	4.5	6.5	8.6	11.4	15.0	19.3	22.1	22.0
60°	2.4	2.7	4.0	6.0	8.2	10.8	14.3	19.3	25.5	29.8	26.9
57.5°	2.4	3.2	5.2	7.4	9.8	12.6	17.6	23.7	29.3	35.2	30.2
55°	2.7	4.1	6.2	8.6	11.4	14.9	19.7	24.5	30.6	32.9	27.5
52.5°	3.7	5.0	7.1	9.9	13.3	16.1	18.7	23.0	25.3	26.4	22.7
50°	4.6	6.1	8.0	11.3	14.3	15.9	16.2	18.9	20.0	19.1	17.3
47.5°	5.6	7.2	9.1	12.4	14.4	15.1	14.6	15.1	15.0	14.8	12.5
45°	6.7	8.5	10.6	12.8	14.3	14.1	13.9	12.2	13.8	13.4	12.3
42.5°	7.8	9.7	11.8	13.3	13.7	14.4	14.3	14.8	14.9	15.6	16.8
40°	8.8	10.8	13.2	14.3	13.9	16.2	19.4	21.0	18.9	22.8	26.2
37.5°	9.7	12.3	15.5	17.9	16.5	21.4	26.6	35.1	36.3	33.7	43.0
35°	10.5	14.0	20.5	26.2	27.6	29.9	44.6	58.1	66.4	61.5	68.6
32.5°	11.8	15.9	27.4	39.8	49.6	52.4	67.9	96.1	112.5	115.4	110.7
30°	13.8	22.3	37.7	56.9	79.0	98.7	112.3	144.5	171.4	200.8	218.2
27.5°	16.9	30.7	54.2	84.0	117.3	154.1	184.8	209.6	258.9	308.8	351.7
25°	20.5	47.6	73.1	117.9	170.7	221.6	264.2	302.3	367.2	445.1	575.5
22.5°	29.4	69.4	104.5	156.0	230.1	294.5	352.1	411.3	490.5	595.5	868.1
20°	45.3	96.5	140.5	195.3	291.4	370.6	443.6	518.2	617.3	837.2	1435.4
17.5°	63.6	124.9	175.0	238.6	337.1	437.8	538.1	620.1	740.3	1064.7	2059.9
15°	83.6	154.1	206.3	278.2	380.4	490.0	602.0	719.5	902.7	1368.0	2652.7
12.5°	104.9	183.6	234.4	314.1	421.1	539.7	653.3	780.5	1049.3	1828.0	3407.1
10°	126.5	213.0	259.8	346.4	458.8	586.3	699.1	831.9	1164.1	2122.4	3933.8
7.5°	140.4	233.8	280.5	375.2	493.3	629.3	739.5	874.3	1261.4	2309.2	4302.0
5°	150.8	244.5	287.4	388.1	516.0	660.6	770.9	908.3	1339.8	2400.6	4556.4
2.5°	158.8	252.9	292.9	395.9	529.8	675.2	780.3	921.1	1372.3	2455.9	4732.7
0°	164.2	258.9	297.3	400.4	539.4	684.4	785.1	927.8	1377.3	2471.6	4818.6
-2.5°	173.2	263.7	306.2	408.5	544.5	687.3	789.1	933.0	1397.4	2545.5	4950.0
-5°	179.8	266.4	313.8	413.4	545.2	685.2	789.1	931.7	1385.8	2519.8	4784.3
-7.5°	184.3	267.6	319.8	415.1	538.0	670.2	773.1	905.2	1313.1	2357.8	4334.3
-10°	187.6	271.5	327.4	412.5	522.1	645.8	750.4	872.9	1219.4	2130.1	3813.0
-12.5°	192.6	277.9	334.8	408.8	505.4	617.8	724.1	835.5	1105.8	1836.9	3223.6
-15°	195.1	283.2	341.7	404.5	489.0	586.8	694.3	793.3	978.6	1483.1	2569.3
-17.5°	195.2	287.5	348.2	400.2	473.9	553.0	664.4	762.7	888.8	1265.5	2113.2
-20°	192.7	291.2	354.5	396.2	461.4	532.1	640.0	741.1	852.2	1102.6	1660.8



REPORT NUMBER: P731318 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	187.8	294.3	358.6	399.4	456.8	523.4	612.2	715.2	814.1	928.5	1315.3
-25°	184.5	286.5	359.1	402.6	452.0	514.1	582.1	684.8	778.5	888.7	1133.4
-27.5°	182.3	275.6	352.5	403.4	446.0	505.0	564.8	649.1	751.2	853.6	965.5
-30°	176.6	256.0	343.4	399.7	443.6	496.7	553.0	616.5	719.9	819.2	922.3
-32.5°	165.4	235.3	323.2	387.6	439.6	487.6	541.1	598.3	680.0	782.4	877.1
-35°	152.4	219.3	298.2	372.5	431.8	478.5	527.4	581.4	641.6	734.6	839.9
-37.5°	140.3	200.6	272.6	350.3	412.5	468.9	511.7	562.8	618.8	682.9	788.0
-40°	126.0	179.4	248.5	321.7	391.4	453.3	501.5	542.5	594.2	659.4	724.6
-42.5°	110.0	161.1	222.6	292.3	361.4	427.3	489.6	529.7	575.4	636.2	698.6
-45°	96.8	140.3	194.9	259.4	325.9	394.7	457.9	520.5	564.2	613.1	672.3
-47.5°	82.1	118.9	168.8	223.8	287.2	352.6	420.4	485.3	552.1	598.9	645.4
-50°	67.9	100.6	139.9	190.5	245.7	307.4	371.1	442.5	509.7	574.9	628.8
-52.5°	59.0	80.7	115.9	156.8	205.9	259.5	320.4	386.3	455.6	524.8	584.1
-55°	49.4	67.6	91.9	126.8	166.9	214.0	266.3	326.7	389.6	455.8	518.5
-57.5°	40.1	55.9	73.9	98.3	132.3	169.3	214.7	264.5	320.9	379.6	432.0
-60°	30.8	44.1	59.6	77.3	98.9	130.7	163.2	204.4	251.3	298.7	344.4
-62.5°	21.9	32.8	45.7	60.2	77.3	94.5	120.5	150.5	181.7	220.1	258.0
-65°	17.5	22.7	32.2	44.4	57.4	72.3	87.7	103.6	129.0	154.4	178.7
-67.5°	12.9	17.5	22.4	28.7	39.8	50.9	62.9	76.6	90.6	103.5	119.0
-70°	10.9	12.6	16.3	20.7	25.1	30.3	40.0	50.3	61.0	71.2	82.0
-72.5°	9.4	11.0	12.5	14.0	17.4	20.7	23.7	26.5	32.6	41.1	49.3
-75°	8.1	9.3	10.7	12.1	13.2	14.2	15.5	18.1	20.7	23.2	25.5
-77.5°	6.8	7.7	8.7	10.0	10.9	11.6	12.4	13.3	14.4	15.7	17.0
-80°	5.6	6.0	6.6	7.3	8.2	8.9	9.6	10.1	10.8	11.7	12.6
-82.5°	4.5	4.8	5.1	5.3	5.8	6.3	7.0	7.6	8.0	8.4	8.9
-85°	3.5	3.6	3.8	4.0	4.2	4.5	4.8	5.1	5.5	5.8	6.1
-87.5°	3.0	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.5	3.8	4.1
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



REPORT NUMBER: P731318 (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°	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8	4.8	4.8
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.7	1.7	1.6	1.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	2.4	2.2	2.1	2.0	2.0	1.8	1.7	1.5	1.2	1.2	1.2
77.5°	2.4	2.4	2.4	2.4	2.4	2.2	1.9	1.5	1.2	1.2	1.2
75°	2.4	2.5	2.7	2.6	2.5	2.3	2.2	2.2	2.2	2.0	1.8
72.5°	4.3	4.2	4.1	4.0	3.9	3.9	3.9	3.7	3.4	3.4	3.4
70°	7.6	7.9	7.9	7.6	6.9	6.2	5.7	5.2	4.7	4.4	4.2
67.5°	11.8	11.9	11.3	10.2	8.5	7.0	6.4	5.7	5.1	4.9	5.2
65°	16.4	14.9	13.1	11.2	9.1	7.1	6.6	6.2	5.8	5.8	6.3
62.5°	20.2	16.4	13.1	10.9	8.9	7.1	6.5	6.0	5.5	5.2	5.1
60°	22.4	16.4	11.8	9.8	7.9	6.3	5.5	5.2	4.9	4.8	4.8
57.5°	22.4	15.5	10.3	8.4	6.8	5.3	4.8	4.8	4.8	4.8	4.8
55°	19.9	13.6	8.8	7.3	6.2	5.3	4.8	5.0	5.0	4.8	5.1
52.5°	15.6	11.2	8.2	6.8	6.3	6.0	5.9	5.8	5.7	5.6	5.8
50°	12.4	9.3	7.9	7.1	7.1	7.1	7.1	7.2	7.4	7.5	7.5
47.5°	10.4	8.7	8.9	8.2	8.5	9.3	9.4	9.5	9.9	9.9	9.7
45°	10.6	12.4	12.7	12.6	12.4	14.1	14.0	12.8	14.4	14.8	14.5
42.5°	17.6	19.1	20.1	21.0	22.1	23.4	24.1	23.7	25.1	25.0	23.4
40°	29.8	28.4	30.7	33.4	35.8	36.8	39.0	41.4	42.3	41.7	40.1
37.5°	48.9	46.8	46.9	53.0	58.6	52.0	61.8	65.7	63.2	71.9	73.7
35°	81.2	89.7	77.3	99.2	110.0	104.7	116.4	139.5	121.6	154.3	162.3
32.5°	144.3	164.9	177.8	196.2	223.4	259.1	268.1	325.0	343.2	369.6	398.0
30°	235.7	293.9	401.2	421.1	447.0	570.1	603.9	634.8	699.7	749.6	834.4
27.5°	428.3	585.3	809.6	1007.0	992.5	1200.7	1432.3	1173.0	1557.8	1403.4	1772.6
25°	802.1	1148.3	1688.9	2212.0	2461.7	2885.9	3416.4	3315.9	4015.9	4064.5	5096.9
22.5°	1525.6	2277.7	3104.4	3993.7	4856.3	5811.0	6728.4	7690.1	9136.1	11133.9	13075.5
20°	2496.2	3601.9	4937.1	6314.0	7774.1	9258.8	10983.9	13905.1	16900.2	21057.9	23995.0
17.5°	3547.8	5307.6	6946.6	8652.6	10693.8	13161.8	16730.1	21721.5	27775.9	33990.8	38798.7
15°	4466.5	6457.2	8819.7	11094.1	13632.4	17336.9	22941.2	30334.6	39338.2	48786.2	60211.1
12.5°	5355.3	7434.7	10002.1	12878.9	16328.2	21630.5	28895.0	38886.3	50813.9	65011.4	79685.3
10°	6045.0	8326.6	11184.2	14423.9	18633.9	25146.3	33588.1	45384.3	63059.1	79819.1	96575.7
7.5°	6584.1	9150.7	12177.6	15577.8	20479.8	27812.7	37912.7	52761.9	71436.8	89570.6	105004.6
5°	7063.2	9828.4	12850.7	16228.1	21808.7	29752.8	40629.0	57587.5	77516.1	95338.1	110024.9
2.5°	7440.6	10271.5	13220.4	16553.9	22664.1	30823.8	42061.6	60177.2	81434.7	99029.7	113053.6
0°	7669.0	10350.4	13282.4	16623.0	22729.0	31309.1	43179.4	61310.4	82832.4	100836.2	114629.3
-2.5°	7587.1	10173.5	13081.4	16419.7	22514.7	30854.3	42280.3	60736.1	81648.0	98492.3	112364.5
-5°	7179.3	9594.5	12294.7	15435.7	21092.5	29126.6	39731.4	56561.2	76217.4	93033.1	106086.9
-7.5°	6536.3	8785.3	11264.3	14172.2	19064.0	26323.9	35987.6	50309.6	68153.6	83669.4	95449.7
-10°	5816.9	7847.2	9995.1	12570.6	16394.4	22556.8	30626.7	41562.6	56866.3	70816.9	81955.3
-12.5°	4952.3	6641.4	8446.9	10668.0	13566.1	18590.0	25374.9	34246.1	44886.8	57300.9	67441.2
-15°	4053.6	5473.7	6968.1	9051.5	11523.2	14723.4	19600.4	26653.0	34551.4	43030.4	52230.9
-17.5°	3255.2	4457.5	6042.0	7796.7	9680.6	11907.6	15940.0	20746.4	26462.5	32510.3	38063.1
-20°	2614.9	3890.0	5313.6	6839.6	8570.5	10711.9	13189.1	16840.7	21079.6	25722.2	30170.4



REPORT NUMBER: P731318 (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°	2151.1	3294.6	4616.5	6047.9	7799.1	9726.9	11733.0	14024.7	17066.7	20636.1	24053.3
-25°	1638.3	2594.0	3876.2	5319.9	6933.1	8633.1	10261.6	12129.7	14353.6	16676.0	19068.8
-27.5°	1298.6	1973.2	3026.1	4381.7	5874.5	7205.5	8600.7	10156.2	12101.0	14121.5	15452.9
-30°	1059.9	1454.8	2245.2	3304.4	4552.0	5726.6	6872.1	8270.1	9796.8	11246.9	12423.9
-32.5°	990.1	1166.8	1575.8	2330.6	3267.7	4316.1	5344.5	6592.4	7777.4	8924.9	9936.8
-35°	940.9	1053.9	1208.1	1601.9	2166.3	3018.3	3957.9	5014.0	6083.4	7010.4	7868.7
-37.5°	895.0	993.0	1095.1	1196.8	1514.5	1904.5	2566.1	3401.4	4212.7	4962.8	5701.7
-40°	829.5	937.0	1019.4	1106.3	1200.8	1308.2	1654.5	1995.7	2392.9	2968.2	3472.2
-42.5°	760.0	849.6	943.5	1024.9	1103.9	1186.4	1273.7	1360.5	1542.0	1767.7	1952.6
-45°	731.0	784.8	849.4	934.3	1013.8	1087.9	1158.9	1227.6	1300.1	1366.4	1420.5
-47.5°	696.3	745.3	797.5	852.8	911.1	982.7	1053.0	1122.9	1186.4	1245.4	1292.4
-50°	664.2	702.7	749.4	796.4	843.0	891.0	939.5	993.5	1054.2	1113.9	1163.0
-52.5°	637.9	673.2	706.6	740.0	780.5	821.2	861.9	904.9	946.3	985.5	1016.1
-55°	574.2	623.8	672.7	704.2	731.6	759.3	790.1	828.6	865.4	900.2	920.6
-57.5°	487.4	544.9	597.7	635.0	673.1	711.7	743.5	771.0	798.8	825.3	839.8
-60°	391.0	438.2	486.0	530.4	572.8	612.8	649.9	686.0	719.5	747.6	764.7
-62.5°	295.5	334.7	373.5	410.6	446.3	481.1	520.6	558.8	595.0	624.6	642.9
-65°	205.7	237.9	268.0	296.8	324.5	354.1	384.9	414.8	443.5	466.2	481.2
-67.5°	139.9	159.7	177.7	194.9	215.9	238.7	261.2	282.2	301.4	316.2	326.7
-70°	93.0	103.5	113.0	124.2	137.9	151.8	165.8	178.7	190.5	199.4	206.0
-72.5°	57.2	64.5	71.4	78.8	85.8	93.1	100.7	108.2	115.4	120.5	124.5
-75°	27.6	30.9	37.0	42.5	47.4	52.1	56.3	59.9	63.1	65.1	66.4
-77.5°	18.8	20.3	21.8	23.3	24.9	26.7	28.6	30.5	32.2	33.5	34.7
-80°	13.6	14.4	15.1	15.7	16.2	17.0	17.8	18.7	19.5	19.9	20.1
-82.5°	9.4	10.0	10.6	11.2	11.8	12.4	12.9	13.4	13.9	14.3	14.7
-85°	6.3	6.6	7.0	7.3	7.7	8.1	8.6	9.0	9.3	9.4	9.5
-87.5°	4.4	4.5	4.6	4.6	4.7	5.0	5.3	5.6	6.0	6.0	6.0
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.9	0.6



REPORT NUMBER: P731318 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.5
87.5°	1.2	1.2	0.6	0.0	0.6	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.5
75°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.0	2.2	2.2
72.5°	3.5	3.5	3.0	2.4	3.0	3.5	3.5	3.4	3.4	3.4	3.7
70°	3.9	3.6	3.6	3.6	3.6	3.6	3.9	4.2	4.4	4.7	5.2
67.5°	5.5	5.9	6.0	6.0	6.0	5.9	5.5	5.2	4.9	5.1	5.7
65°	6.7	7.1	6.7	6.0	6.7	7.1	6.7	6.3	5.8	5.8	6.2
62.5°	5.0	4.9	4.8	4.8	4.8	4.9	5.0	5.1	5.2	5.5	6.0
60°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.9	5.2
57.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
55°	5.4	5.8	6.0	6.0	6.0	5.8	5.4	5.1	4.8	5.0	5.0
52.5°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.8	5.6	5.7	5.8
50°	7.5	7.3	7.2	7.2	7.2	7.3	7.5	7.5	7.5	7.4	7.2
47.5°	9.3	8.7	8.4	8.4	8.4	8.7	9.3	9.7	9.9	9.9	9.5
45°	14.6	14.4	14.3	14.4	14.3	14.4	14.6	14.5	14.8	14.4	12.8
42.5°	24.3	24.7	24.3	22.8	24.3	24.7	24.3	23.4	25.0	25.1	23.7
40°	40.2	38.7	36.6	36.0	36.6	38.7	40.2	40.1	41.7	42.3	41.4
37.5°	74.6	74.5	72.8	71.9	72.8	74.5	74.6	73.7	71.9	63.2	65.7
35°	156.9	155.7	147.1	139.0	147.1	155.7	156.9	162.3	154.3	121.6	139.5
32.5°	407.6	429.2	427.2	414.7	427.2	429.2	407.6	398.0	369.6	343.2	325.0
30°	867.1	905.8	897.7	846.3	897.7	905.8	867.1	834.4	749.6	699.7	634.8
27.5°	1792.2	1882.9	1962.7	1857.9	1962.7	1882.9	1792.2	1772.6	1403.4	1557.8	1173.0
25°	6130.5	6720.0	7068.8	6526.7	7068.8	6720.0	6130.5	5096.9	4064.5	4015.9	3315.9
22.5°	14630.9	15365.6	15757.7	15981.8	15757.7	15365.6	14630.9	13075.5	11133.9	9136.1	7690.1
20°	26838.1	28409.1	29415.5	27388.2	29415.5	28409.1	26838.1	23995.0	21057.9	16900.2	13905.1
17.5°	45468.4	51262.4	54312.9	55970.3	54312.9	51262.4	45468.4	38798.7	33990.8	27775.9	21721.5
15°	69028.2	76441.5	81447.7	83407.7	81447.7	76441.5	69028.2	60211.1	48786.2	39338.2	30334.6
12.5°	91304.2	98953.7	103572.7	104733.8	103572.7	98953.7	91304.2	79685.3	65011.4	50813.9	38886.3
10°	107148.5	114356.1	119669.4	121534.8	119669.4	114356.1	107148.5	96575.7	79819.1	63059.1	45384.3
7.5°	115969.1	124394.3	129077.2	130243.1	129077.2	124394.3	115969.1	105004.6	89570.6	71436.8	52761.9
5°	121045.5	128657.8	133776.9	134397.6	133776.9	128657.8	121045.5	110024.9	95338.1	77516.1	57587.5
2.5°	124318.7	131763.2	136070.3	137336.2	136070.3	131763.2	124318.7	113053.6	99029.7	81434.7	60177.2
0°	125121.8	131966.7	137170.1	138789.5	137170.1	131966.7	125121.8	114629.3	100836.2	82832.4	61310.4
-2.5°	122689.9	129293.1	132759.2	133321.2	132759.2	129293.1	122689.9	112364.5	98492.3	81648.0	60736.1
-5°	116479.6	121363.1	125364.4	125876.3	125364.4	121363.1	116479.6	106086.9	93033.1	76217.4	56561.2
-7.5°	103287.8	108766.1	110979.2	111578.1	110979.2	108766.1	103287.8	95449.7	83669.4	68153.6	50309.6
-10°	89251.9	93945.1	95512.9	96359.3	95512.9	93945.1	89251.9	81955.3	70816.9	56866.3	41562.6
-12.5°	75510.8	80100.0	81642.1	82867.1	81642.1	80100.0	75510.8	67441.2	57300.9	44886.8	34246.1
-15°	60114.9	64634.1	67125.5	68504.7	67125.5	64634.1	60114.9	52230.9	43030.4	34551.4	26653.0
-17.5°	45110.1	49401.9	52301.7	53988.9	52301.7	49401.9	45110.1	38063.1	32510.3	26462.5	20746.4
-20°	34204.2	37108.8	39340.4	40664.6	39340.4	37108.8	34204.2	30170.4	25722.2	21079.6	16840.7



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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°	26718.6	28730.4	30023.1	30869.1	30023.1	28730.4	26718.6	24053.3	20636.1	17066.7	14024.7
-25°	20882.2	22202.5	23038.5	23722.7	23038.5	22202.5	20882.2	19068.8	16676.0	14353.6	12129.7
-27.5°	16534.2	17242.1	17611.7	18114.2	17611.7	17242.1	16534.2	15452.9	14121.5	12101.0	10156.2
-30°	13291.9	13835.1	14128.7	14237.7	14128.7	13835.1	13291.9	12423.9	11246.9	9796.8	8270.1
-32.5°	10697.7	11210.9	11581.5	11755.3	11581.5	11210.9	10697.7	9936.8	8924.9	7777.4	6592.4
-35°	8534.7	8962.8	9255.0	9415.5	9255.0	8962.8	8534.7	7868.7	7010.4	6083.4	5014.0
-37.5°	6313.4	6783.2	7104.8	7214.7	7104.8	6783.2	6313.4	5701.7	4962.8	4212.7	3401.4
-40°	3873.6	4172.8	4365.9	4447.0	4365.9	4172.8	3873.6	3472.2	2968.2	2392.9	1995.7
-42.5°	2096.7	2206.5	2282.8	2326.6	2282.8	2206.5	2096.7	1952.6	1767.7	1542.0	1360.5
-45°	1455.5	1483.3	1500.9	1507.9	1500.9	1483.3	1455.5	1420.5	1366.4	1300.1	1227.6
-47.5°	1326.9	1356.9	1372.9	1373.7	1372.9	1356.9	1326.9	1292.4	1245.4	1186.4	1122.9
-50°	1201.9	1234.5	1251.0	1252.6	1251.0	1234.5	1201.9	1163.0	1113.9	1054.2	993.5
-52.5°	1043.8	1069.7	1081.0	1080.0	1081.0	1069.7	1043.8	1016.1	985.5	946.3	904.9
-55°	938.3	953.8	960.6	961.3	960.6	953.8	938.3	920.6	900.2	865.4	828.6
-57.5°	852.8	864.2	868.2	867.8	868.2	864.2	852.8	839.8	825.3	798.8	771.0
-60°	779.6	792.0	795.4	793.5	795.4	792.0	779.6	764.7	747.6	719.5	686.0
-62.5°	657.7	669.1	674.8	676.0	674.8	669.1	657.7	642.9	624.6	595.0	558.8
-65°	493.0	501.5	506.0	507.0	506.0	501.5	493.0	481.2	466.2	443.5	414.8
-67.5°	334.8	340.6	342.4	341.6	342.4	340.6	334.8	326.7	316.2	301.4	282.2
-70°	211.4	215.4	216.4	215.8	216.4	215.4	211.4	206.0	199.4	190.5	178.7
-72.5°	127.7	130.1	130.3	129.5	130.3	130.1	127.7	124.5	120.5	115.4	108.2
-75°	67.3	67.6	67.5	67.1	67.5	67.6	67.3	66.4	65.1	63.1	59.9
-77.5°	35.9	36.8	36.5	36.0	36.5	36.8	35.9	34.7	33.5	32.2	30.5
-80°	20.2	20.3	20.4	20.4	20.4	20.3	20.2	20.1	19.9	19.5	18.7
-82.5°	15.1	15.5	15.0	14.4	15.0	15.5	15.1	14.7	14.3	13.9	13.4
-85°	9.5	9.6	9.6	9.6	9.6	9.6	9.5	9.5	9.4	9.3	9.0
-87.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.6
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.9	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	4.2	3.9	3.6	3.3	3.0	2.7	2.4	2.4	2.4	2.4	2.4
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.4	1.6	1.7	1.7	1.7	1.6	1.5	1.3
80°	1.7	1.8	2.0	2.0	2.1	2.2	2.4	2.4	2.4	2.3	2.1
77.5°	1.9	2.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3
75°	2.2	2.3	2.5	2.6	2.7	2.5	2.4	2.4	2.4	2.4	2.3
72.5°	3.9	3.9	3.9	4.0	4.1	4.2	4.3	4.1	3.7	3.0	2.4
70°	5.7	6.2	6.9	7.6	7.9	7.9	7.6	7.2	6.8	6.3	5.0
67.5°	6.4	7.0	8.5	10.2	11.3	11.9	11.8	11.2	10.5	9.8	7.9
65°	6.6	7.1	9.1	11.2	13.1	14.9	16.4	16.5	15.7	14.0	10.8
62.5°	6.5	7.1	8.9	10.9	13.1	16.4	20.2	22.0	22.1	19.3	15.0
60°	5.5	6.3	7.9	9.8	11.8	16.4	22.4	26.9	29.8	25.5	19.3
57.5°	4.8	5.3	6.8	8.4	10.3	15.5	22.4	30.2	35.2	29.3	23.7
55°	4.8	5.3	6.2	7.3	8.8	13.6	19.9	27.5	32.9	30.6	24.5
52.5°	5.9	6.0	6.3	6.8	8.2	11.2	15.6	22.7	26.4	25.3	23.0
50°	7.1	7.1	7.1	7.1	7.9	9.3	12.4	17.3	19.1	20.0	18.9
47.5°	9.4	9.3	8.5	8.2	8.9	8.7	10.4	12.5	14.8	15.0	15.1
45°	14.0	14.1	12.4	12.6	12.7	12.4	10.6	12.3	13.4	13.8	12.2
42.5°	24.1	23.4	22.1	21.0	20.1	19.1	17.6	16.8	15.6	14.9	14.8
40°	39.0	36.8	35.8	33.4	30.7	28.4	29.8	26.2	22.8	18.9	21.0
37.5°	61.8	52.0	58.6	53.0	46.9	46.8	48.9	43.0	33.7	36.3	35.1
35°	116.4	104.7	110.0	99.2	77.3	89.7	81.2	68.6	61.5	66.4	58.1
32.5°	268.1	259.1	223.4	196.2	177.8	164.9	144.3	110.7	115.4	112.5	96.1
30°	603.9	570.1	447.0	421.1	401.2	293.9	235.7	218.2	200.8	171.4	144.5
27.5°	1432.3	1200.7	992.5	1007.0	809.6	585.3	428.3	351.7	308.8	258.9	209.6
25°	3416.4	2885.9	2461.7	2212.0	1688.9	1148.3	802.1	575.5	445.1	367.2	302.3
22.5°	6728.4	5811.0	4856.3	3993.7	3104.4	2277.7	1525.6	868.1	595.5	490.5	411.3
20°	10983.9	9258.8	7774.1	6314.0	4937.1	3601.9	2496.2	1435.4	837.2	617.3	518.2
17.5°	16730.1	13161.8	10693.8	8652.6	6946.6	5307.6	3547.8	2059.9	1064.7	740.3	620.1
15°	22941.2	17336.9	13632.4	11094.1	8819.7	6457.2	4466.5	2652.7	1368.0	902.7	719.5
12.5°	28895.0	21630.5	16328.2	12878.9	10002.1	7434.7	5355.3	3407.1	1828.0	1049.3	780.5
10°	33588.1	25146.3	18633.9	14423.9	11184.2	8326.6	6045.0	3933.8	2122.4	1164.1	831.9
7.5°	37912.7	27812.7	20479.8	15577.8	12177.6	9150.7	6584.1	4302.0	2309.2	1261.4	874.3
5°	40629.0	29752.8	21808.7	16228.1	12850.7	9828.4	7063.2	4556.4	2400.6	1339.8	908.3
2.5°	42061.6	30823.8	22664.1	16553.9	13220.4	10271.5	7440.6	4732.7	2455.9	1372.3	921.1
0°	43179.4	31309.1	22729.0	16623.0	13282.4	10350.4	7669.0	4818.6	2471.6	1377.3	927.8
-2.5°	42280.3	30854.3	22514.7	16419.7	13081.4	10173.5	7587.1	4950.0	2545.5	1397.4	933.0
-5°	39731.4	29126.6	21092.5	15435.7	12294.7	9594.5	7179.3	4784.3	2519.8	1385.8	931.7
-7.5°	35987.6	26323.9	19064.0	14172.2	11264.3	8785.3	6536.3	4334.3	2357.8	1313.1	905.2
-10°	30626.7	22556.8	16394.4	12570.6	9995.1	7847.2	5816.9	3813.0	2130.1	1219.4	872.9
-12.5°	25374.9	18590.0	13566.1	10668.0	8446.9	6641.4	4952.3	3223.6	1836.9	1105.8	835.5
-15°	19600.4	14723.4	11523.2	9051.5	6968.1	5473.7	4053.6	2569.3	1483.1	978.6	793.3
-17.5°	15940.0	11907.6	9680.6	7796.7	6042.0	4457.5	3255.2	2113.2	1265.5	888.8	762.7
-20°	13189.1	10711.9	8570.5	6839.6	5313.6	3890.0	2614.9	1660.8	1102.6	852.2	741.1



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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°	11733.0	9726.9	7799.1	6047.9	4616.5	3294.6	2151.1	1315.3	928.5	814.1	715.2
-25°	10261.6	8633.1	6933.1	5319.9	3876.2	2594.0	1638.3	1133.4	888.7	778.5	684.8
-27.5°	8600.7	7205.5	5874.5	4381.7	3026.1	1973.2	1298.6	965.5	853.6	751.2	649.1
-30°	6872.1	5726.6	4552.0	3304.4	2245.2	1454.8	1059.9	922.3	819.2	719.9	616.5
-32.5°	5344.5	4316.1	3267.7	2330.6	1575.8	1166.8	990.1	877.1	782.4	680.0	598.3
-35°	3957.9	3018.3	2166.3	1601.9	1208.1	1053.9	940.9	839.9	734.6	641.6	581.4
-37.5°	2566.1	1904.5	1514.5	1196.8	1095.1	993.0	895.0	788.0	682.9	618.8	562.8
-40°	1654.5	1308.2	1200.8	1106.3	1019.4	937.0	829.5	724.6	659.4	594.2	542.5
-42.5°	1273.7	1186.4	1103.9	1024.9	943.5	849.6	760.0	698.6	636.2	575.4	529.7
-45°	1158.9	1087.9	1013.8	934.3	849.4	784.8	731.0	672.3	613.1	564.2	520.5
-47.5°	1053.0	982.7	911.1	852.8	797.5	745.3	696.3	645.4	598.9	552.1	485.3
-50°	939.5	891.0	843.0	796.4	749.4	702.7	664.2	628.8	574.9	509.7	442.5
-52.5°	861.9	821.2	780.5	740.0	706.6	673.2	637.9	584.1	524.8	455.6	386.3
-55°	790.1	759.3	731.6	704.2	672.7	623.8	574.2	518.5	455.8	389.6	326.7
-57.5°	743.5	711.7	673.1	635.0	597.7	544.9	487.4	432.0	379.6	320.9	264.5
-60°	649.9	612.8	572.8	530.4	486.0	438.2	391.0	344.4	298.7	251.3	204.4
-62.5°	520.6	481.1	446.3	410.6	373.5	334.7	295.5	258.0	220.1	181.7	150.5
-65°	384.9	354.1	324.5	296.8	268.0	237.9	205.7	178.7	154.4	129.0	103.6
-67.5°	261.2	238.7	215.9	194.9	177.7	159.7	139.9	119.0	103.5	90.6	76.6
-70°	165.8	151.8	137.9	124.2	113.0	103.5	93.0	82.0	71.2	61.0	50.3
-72.5°	100.7	93.1	85.8	78.8	71.4	64.5	57.2	49.3	41.1	32.6	26.5
-75°	56.3	52.1	47.4	42.5	37.0	30.9	27.6	25.5	23.2	20.7	18.1
-77.5°	28.6	26.7	24.9	23.3	21.8	20.3	18.8	17.0	15.7	14.4	13.3
-80°	17.8	17.0	16.2	15.7	15.1	14.4	13.6	12.6	11.7	10.8	10.1
-82.5°	12.9	12.4	11.8	11.2	10.6	10.0	9.4	8.9	8.4	8.0	7.6
-85°	8.6	8.1	7.7	7.3	7.0	6.6	6.3	6.1	5.8	5.5	5.1
-87.5°	5.3	5.0	4.7	4.6	4.6	4.5	4.4	4.1	3.8	3.5	3.2
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



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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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.8	1.5	1.3	1.2	1.2	1.2	1.2	1.2	1.4	1.4	1.4
77.5°	2.0	1.7	1.4	1.3	1.5	1.5	1.5	1.4	1.5	1.7	1.7
75°	2.0	1.7	1.4	1.3	1.6	1.9	1.9	1.9	1.8	1.9	2.0
72.5°	2.3	2.0	1.6	1.4	1.6	1.9	2.2	2.3	2.1	2.1	2.2
70°	3.7	2.7	2.2	1.9	1.9	2.0	2.3	2.4	2.4	2.3	2.3
67.5°	6.0	4.5	3.4	2.5	2.2	2.2	2.3	2.4	2.4	2.4	2.3
65°	8.6	6.5	4.7	3.5	2.7	2.4	2.4	2.4	2.4	2.4	2.4
62.5°	11.4	8.6	6.5	4.5	3.2	2.6	2.4	2.4	2.4	2.4	2.4
60°	14.3	10.8	8.2	6.0	4.0	2.7	2.4	2.4	2.4	2.4	2.4
57.5°	17.6	12.6	9.8	7.4	5.2	3.2	2.4	2.4	2.4	2.4	2.4
55°	19.7	14.9	11.4	8.6	6.2	4.1	2.7	2.4	2.4	2.4	2.4
52.5°	18.7	16.1	13.3	9.9	7.1	5.0	3.7	2.4	2.4	2.4	2.4
50°	16.2	15.9	14.3	11.3	8.0	6.1	4.6	3.1	2.4	2.4	2.4
47.5°	14.6	15.1	14.4	12.4	9.1	7.2	5.6	3.9	2.4	2.4	2.4
45°	13.9	14.1	14.3	12.8	10.6	8.5	6.7	4.7	3.1	2.4	2.4
42.5°	14.3	14.4	13.7	13.3	11.8	9.7	7.8	5.7	3.7	2.5	2.4
40°	19.4	16.2	13.9	14.3	13.2	10.8	8.8	6.7	4.4	2.8	2.5
37.5°	26.6	21.4	16.5	17.9	15.5	12.3	9.7	7.7	5.2	3.4	2.7
35°	44.6	29.9	27.6	26.2	20.5	14.0	10.5	8.6	6.1	4.0	2.8
32.5°	67.9	52.4	49.6	39.8	27.4	15.9	11.8	9.5	7.0	4.6	3.0
30°	112.3	98.7	79.0	56.9	37.7	22.3	13.8	10.6	7.9	5.1	3.2
27.5°	184.8	154.1	117.3	84.0	54.2	30.7	16.9	11.8	8.7	5.7	3.7
25°	264.2	221.6	170.7	117.9	73.1	47.6	20.5	13.2	9.6	6.4	4.1
22.5°	352.1	294.5	230.1	156.0	104.5	69.4	29.4	16.0	10.6	7.0	4.5
20°	443.6	370.6	291.4	195.3	140.5	96.5	45.3	19.1	11.7	7.5	4.8
17.5°	538.1	437.8	337.1	238.6	175.0	124.9	63.6	22.3	12.8	8.1	5.1
15°	602.0	490.0	380.4	278.2	206.3	154.1	83.6	25.7	14.0	8.5	5.6
12.5°	653.3	539.7	421.1	314.1	234.4	183.6	104.9	29.1	15.1	9.3	6.1
10°	699.1	586.3	458.8	346.4	259.8	213.0	126.5	32.6	17.2	10.4	6.6
7.5°	739.5	629.3	493.3	375.2	280.5	233.8	140.4	36.3	19.3	11.5	7.1
5°	770.9	660.6	516.0	388.1	287.4	244.5	150.8	39.7	21.4	12.5	7.6
2.5°	780.3	675.2	529.8	395.9	292.9	252.9	158.8	42.8	23.4	13.5	8.0
0°	785.1	684.4	539.4	400.4	297.3	258.9	164.2	45.5	25.2	14.4	8.4
-2.5°	789.1	687.3	544.5	408.5	306.2	263.7	173.2	58.7	34.0	19.4	10.6
-5°	789.1	685.2	545.2	413.4	313.8	266.4	179.8	71.2	42.4	24.1	12.8
-7.5°	773.1	670.2	538.0	415.1	319.8	267.6	184.3	82.8	50.2	28.5	14.8
-10°	750.4	645.8	522.1	412.5	327.4	271.5	187.6	93.4	57.3	32.4	16.6
-12.5°	724.1	617.8	505.4	408.8	334.8	277.9	192.6	102.6	63.3	35.7	18.2
-15°	694.3	586.8	489.0	404.5	341.7	283.2	195.1	110.3	68.0	38.4	19.6
-17.5°	664.4	553.0	473.9	400.2	348.2	287.5	195.2	115.9	71.5	40.5	20.9
-20°	640.0	532.1	461.4	396.2	354.5	291.2	192.7	119.3	73.7	41.8	22.0



REPORT NUMBER: P731318 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	612.2	523.4	456.8	399.4	358.6	294.3	187.8	120.4	74.5	42.2	22.7
-25°	582.1	514.1	452.0	402.6	359.1	286.5	184.5	118.9	73.8	41.8	23.0
-27.5°	564.8	505.0	446.0	403.4	352.5	275.6	182.3	117.8	72.2	40.4	22.9
-30°	553.0	496.7	443.6	399.7	343.4	256.0	176.6	114.8	70.4	39.4	22.3
-32.5°	541.1	487.6	439.6	387.6	323.2	235.3	165.4	109.7	67.4	38.7	21.8
-35°	527.4	478.5	431.8	372.5	298.2	219.3	152.4	102.3	63.0	37.3	21.1
-37.5°	511.7	468.9	412.5	350.3	272.6	200.6	140.3	93.3	57.2	35.2	20.0
-40°	501.5	453.3	391.4	321.7	248.5	179.4	126.0	84.1	53.1	32.4	18.4
-42.5°	489.6	427.3	361.4	292.3	222.6	161.1	110.0	73.6	48.4	29.8	16.5
-45°	457.9	394.7	325.9	259.4	194.9	140.3	96.8	62.6	43.1	27.1	14.6
-47.5°	420.4	352.6	287.2	223.8	168.8	118.9	82.1	56.0	37.3	23.8	13.3
-50°	371.1	307.4	245.7	190.5	139.9	100.6	67.9	48.7	32.4	19.7	11.7
-52.5°	320.4	259.5	205.9	156.8	115.9	80.7	59.0	41.0	27.1	16.7	9.9
-55°	266.3	214.0	166.9	126.8	91.9	67.6	49.4	34.1	21.2	14.1	8.1
-57.5°	214.7	169.3	132.3	98.3	73.9	55.9	40.1	26.6	17.5	11.5	7.7
-60°	163.2	130.7	98.9	77.3	59.6	44.1	30.8	20.1	14.3	9.1	7.2
-62.5°	120.5	94.5	77.3	60.2	45.7	32.8	21.9	16.4	11.0	8.4	6.6
-65°	87.7	72.3	57.4	44.4	32.2	22.7	17.5	12.5	9.6	7.7	6.0
-67.5°	62.9	50.9	39.8	28.7	22.4	17.5	12.9	10.4	8.6	6.9	5.4
-70°	40.0	30.3	25.1	20.7	16.3	12.6	10.9	9.2	7.5	6.2	4.8
-72.5°	23.7	20.7	17.4	14.0	12.5	11.0	9.4	8.0	6.7	5.5	4.2
-75°	15.5	14.2	13.2	12.1	10.7	9.3	8.1	7.0	5.9	4.7	3.8
-77.5°	12.4	11.6	10.9	10.0	8.7	7.7	6.8	6.1	5.1	4.2	3.4
-80°	9.6	8.9	8.2	7.3	6.6	6.0	5.6	5.2	4.3	3.6	3.0
-82.5°	7.0	6.3	5.8	5.3	5.1	4.8	4.5	4.2	3.6	3.0	2.7
-85°	4.8	4.5	4.2	4.0	3.8	3.6	3.5	3.4	3.1	2.8	2.6
-87.5°	3.2	3.2	3.1	3.1	3.0	3.0	3.0	2.9	2.7	2.6	2.5
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	2.4	2.4	2.4	2.4	2.4	2.4	2.4
87.5°	1.2	1.3	1.3	1.3	1.3	1.8	2.4
85°	1.2	1.3	1.4	1.4	1.4	1.9	2.4
82.5°	1.2	1.4	1.5	1.6	1.5	1.9	2.4
80°	1.3	1.5	1.6	1.7	1.6	1.9	2.4
77.5°	1.6	1.6	1.7	1.8	1.7	1.9	2.4
75°	1.9	1.8	1.9	1.9	1.8	2.0	2.4
72.5°	2.2	2.0	2.0	2.0	1.9	2.0	2.4
70°	2.4	2.2	2.1	2.2	2.0	2.0	2.4
67.5°	2.4	2.3	2.2	2.2	2.1	2.1	2.4
65°	2.4	2.4	2.2	2.2	2.2	2.1	2.4
62.5°	2.4	2.4	2.3	2.3	2.3	2.1	2.4
60°	2.4	2.4	2.4	2.3	2.4	2.1	2.4
57.5°	2.4	2.4	2.4	2.3	2.4	2.2	2.4
55°	2.4	2.4	2.4	2.4	2.4	2.2	2.4
52.5°	2.4	2.4	2.4	2.4	2.4	2.2	2.4
50°	2.4	2.4	2.4	2.4	2.4	2.2	2.4
47.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.4
45°	2.4	2.4	2.4	2.4	2.4	2.3	2.4
42.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.4
40°	2.4	2.4	2.4	2.4	2.4	2.3	2.4
37.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.4
35°	2.4	2.4	2.4	2.4	2.4	2.3	2.4
32.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.4
30°	2.6	2.4	2.4	2.4	2.4	2.4	2.4
27.5°	2.7	2.4	2.4	2.4	2.4	2.4	2.4
25°	2.8	2.4	2.4	2.4	2.4	2.4	2.4
22.5°	3.0	2.4	2.4	2.4	2.4	2.4	2.4
20°	3.1	2.5	2.4	2.4	2.4	2.4	2.4
17.5°	3.4	2.6	2.4	2.4	2.4	2.4	2.4
15°	3.6	2.7	2.4	2.4	2.4	2.4	2.4
12.5°	3.8	2.9	2.4	2.4	2.4	2.4	2.4
10°	4.0	3.0	2.4	2.4	2.4	2.4	2.4
7.5°	4.3	3.2	2.4	2.4	2.4	2.4	2.4
5°	4.5	3.3	2.4	2.4	2.4	2.4	2.4
2.5°	4.6	3.5	2.4	2.4	2.4	2.4	2.4
0°	4.8	3.6	2.4	2.4	2.4	2.4	2.4
-2.5°	5.9	4.0	2.5	2.4	2.4	2.4	2.4
-5°	7.0	4.4	2.6	2.4	2.4	2.4	2.4
-7.5°	8.0	4.7	2.7	2.4	2.4	2.4	2.4
-10°	8.9	5.0	2.8	2.4	2.4	2.4	2.4
-12.5°	9.7	5.3	2.9	2.4	2.4	2.4	2.4
-15°	10.4	5.5	2.9	2.4	2.4	2.4	2.4
-17.5°	10.9	5.6	3.0	2.4	2.4	2.4	2.4
-20°	11.4	5.7	3.0	2.4	2.4	2.4	2.4



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 CATALOG NUMBER: EPH-LS-08-0320N-40-70-4S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	11.8	5.7	3.0	2.4	2.4	2.4	2.4
-25°	12.0	5.8	3.0	2.4	2.4	2.4	2.4
-27.5°	12.0	5.8	3.0	2.4	2.4	2.4	2.4
-30°	11.6	5.6	3.0	2.4	2.4	2.4	2.4
-32.5°	11.1	5.4	3.0	2.4	2.4	2.4	2.4
-35°	10.6	5.1	3.0	2.4	2.4	2.4	2.4
-37.5°	10.2	4.8	3.0	2.4	2.4	2.4	2.4
-40°	9.6	4.8	3.0	2.4	2.4	2.4	2.4
-42.5°	8.8	4.8	3.0	2.4	2.4	2.4	2.4
-45°	7.9	4.7	3.1	2.4	2.4	2.4	2.4
-47.5°	6.8	4.6	3.1	2.5	2.4	2.4	2.4
-50°	6.4	4.4	3.1	2.5	2.4	2.4	2.4
-52.5°	6.2	4.2	3.1	2.5	2.4	2.4	2.4
-55°	5.9	4.1	3.0	2.5	2.4	2.4	2.4
-57.5°	5.6	4.0	2.9	2.5	2.4	2.4	2.4
-60°	5.3	3.8	2.8	2.5	2.4	2.4	2.4
-62.5°	4.9	3.6	2.8	2.5	2.4	2.4	2.4
-65°	4.5	3.3	2.7	2.5	2.4	2.4	2.4
-67.5°	4.1	3.1	2.7	2.4	2.4	2.4	2.4
-70°	3.6	3.0	2.6	2.4	2.4	2.4	2.4
-72.5°	3.3	2.8	2.5	2.4	2.4	2.4	2.4
-75°	3.0	2.6	2.4	2.4	2.4	2.4	2.4
-77.5°	2.7	2.5	2.4	2.4	2.4	2.4	2.4
-80°	2.4	2.4	2.4	2.4	2.4	2.4	2.4
-82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4
-85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4
-87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4
-90°	1.2	1.2	1.2	1.2	1.2	1.8	2.4

(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

