

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: P701464 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-70-2S-CV2-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701464 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0640L-40-70-2S-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

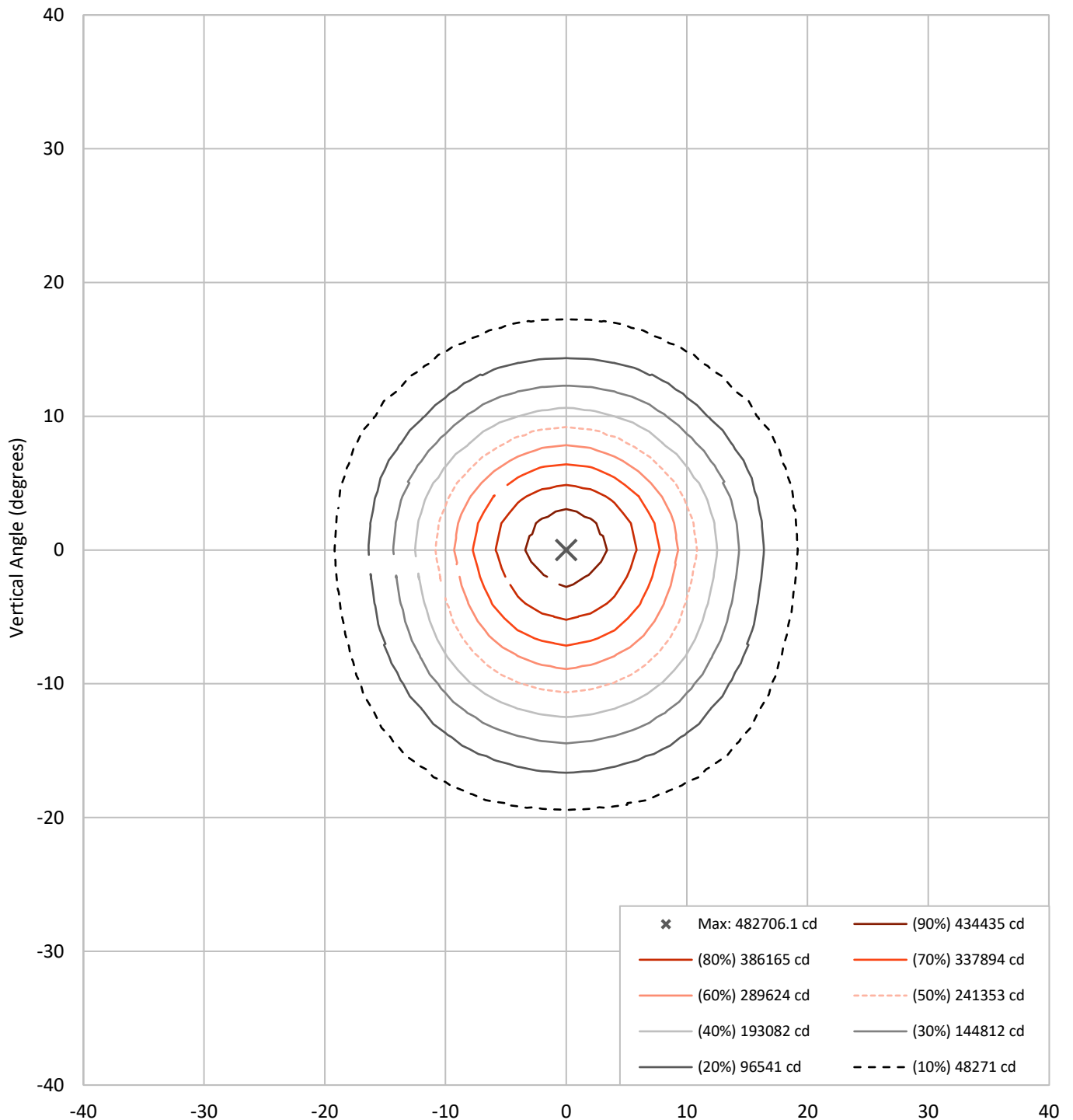
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	74723.9 lumens	Max Intensity:	482706.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	112.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.7°H x 19.8°V	Field Angle (10%):	38.4°H x 36.6°V
Beam Lumens:	34544.2 lumens	Field Lumens:	64441.1 lumens
Beam Efficiency:	46.2%	Field Efficiency:	86.2%

Input Watts (W): 666.2  
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





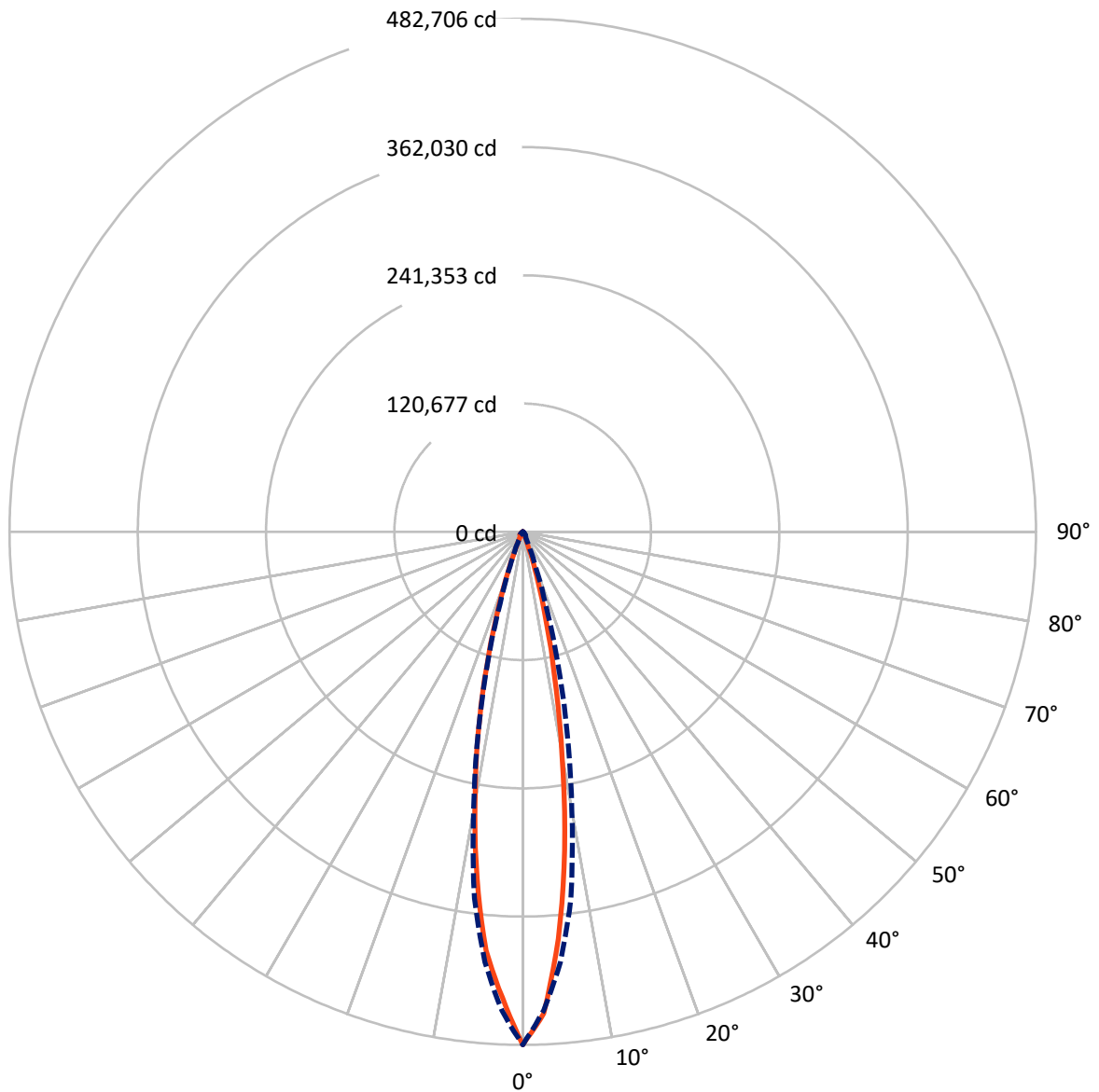
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### Lumen Table

90																			
80	0.2	0.4		0.7	0.6		0.7		0.6		0.7	0.4		0.2					
70	0.2	0.1	0.2	0.7	0.8	0.5	0.3	0.3	0.3	0.3	0.5	0.8	0.7	0.2	0.1	0.2			
60		0.1	0.4	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.4	0.1				
50	0.2	0.2	0.5	0.6	0.7	1.0	1.3	1.5	1.5	1.3	1.0	0.7	0.6	0.5	0.2	0.2			
40		0.3	1.0	2.1	4.3	7.0	8.5	9.8	9.8	8.5	7.0	4.3	2.1	1.0	0.3				
30	0.3	0.5	3.1	10.5	27.7	40.7	71.3	157.0	157.0	71.3	40.7	27.7	10.5	3.1	0.5	0.3			
20		1.0	7.0	27.0	63.5	124.3	772.3	2409.6	2409.6	772.3	124.3	63.5	27.0	7.0	1.0				
10	0.4	1.9	12.0	50.0	103.8	334.4	3156.1	9400.8	9400.8	3156.1	334.4	103.8	50.0	12.0	1.9	0.4			
0		3.2	15.6	58.7	116.3	335.6	3344.8	9801.1	9801.1	3344.8	335.6	116.3	58.7	15.6	3.2				
-10	0.6	3.7	15.9	54.2	114.8	191.9	1231.5	3554.1	3554.1	1231.5	191.9	114.8	54.2	15.9	3.7	0.6			
-20		3.4	13.5	32.3	81.6	120.1	187.5	367.0	367.0	187.5	120.1	81.6	32.3	13.5	3.4				
-30	0.5	2.9	9.9	20.2	45.2	86.4	111.9	123.0	123.0	111.9	86.4	45.2	20.2	9.9	2.9	0.5			
-40		1.9	6.8	15.0	25.5	42.3	73.4	99.1	99.1	73.4	42.3	25.5	15.0	6.8	1.9				
-50	0.3	0.9	4.0	9.7	17.8	26.5	34.0	38.1	38.1	34.0	26.5	17.8	9.7	4.0	0.9	0.3			
-60		0.4	1.4	4.6	9.4	15.3	21.5	25.3	25.3	21.5	15.3	9.4	4.6	1.4	0.4				
-70																			
-80	0.2	1.1		3.5		8.7		12.6		8.7		3.5		1.1		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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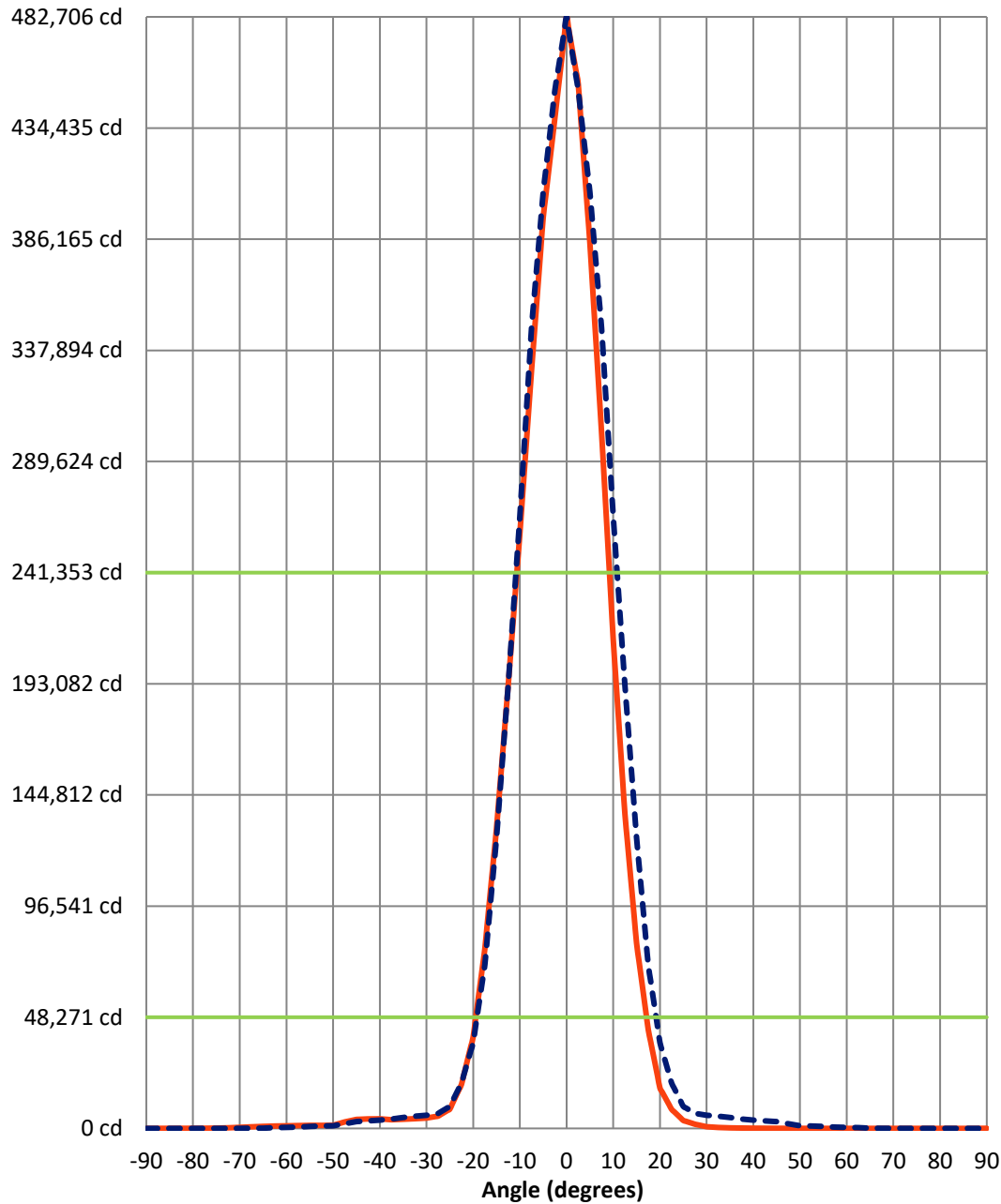
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.7°  
 V Angle: 19.8°  
 Lumens: 34544.2  
 Efficiency: 46.2%

**Field:**  
 H Angle: 38.4°  
 V Angle: 36.6°  
 Lumens: 64441.1  
 Efficiency: 86.2%

**Spill:**  
 Lumens: 10282.7  
 Efficiency: 13.8%

— 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°	7.8	7.8	7.8	8.3	8.8	9.2	9.7	9.7	9.7	9.7	9.7
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.5	7.1	6.9	6.6
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.6	7.5	7.5	7.5
82.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
75°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
72.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
70°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.9
67.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.9	7.8	7.8	8.1	8.0
65°	7.8	7.8	7.8	7.8	7.8	7.9	7.9	7.8	8.2	8.4	8.2
62.5°	7.8	7.8	7.8	7.8	7.8	8.0	8.0	8.1	8.7	8.7	8.3
60°	7.8	7.8	7.8	7.8	7.8	8.2	8.2	8.6	9.1	8.8	8.4
57.5°	7.8	7.8	7.8	7.8	8.0	8.4	8.5	9.2	9.3	8.9	8.5
55°	7.8	7.8	7.9	7.8	8.2	8.6	8.9	9.7	9.4	9.0	8.6
52.5°	7.8	7.8	7.9	7.8	8.4	8.8	9.2	9.7	9.5	9.1	8.7
50°	7.8	7.8	7.9	7.8	8.6	9.0	9.5	9.7	9.6	9.2	10.2
47.5°	7.8	7.8	8.0	7.8	8.8	9.2	9.7	9.7	9.7	9.3	11.7
45°	7.8	7.8	8.0	8.0	9.0	9.3	9.7	9.7	9.8	10.2	12.8
42.5°	7.8	7.8	8.1	8.2	9.3	9.5	9.7	9.8	9.9	10.9	14.3
40°	7.8	7.8	8.2	8.4	9.4	9.6	9.7	9.9	10.3	11.4	15.8
37.5°	7.8	7.8	8.2	8.6	9.5	9.7	9.7	10.1	11.1	12.6	17.0
35°	7.8	7.8	8.3	8.8	9.6	9.7	9.7	10.4	12.0	14.6	17.7
32.5°	7.8	7.8	8.4	9.0	9.7	9.7	9.8	10.6	13.0	16.7	19.4
30°	7.8	7.8	8.5	9.1	9.7	9.7	10.0	11.1	14.0	18.9	21.4
27.5°	7.8	7.8	8.6	9.2	9.7	9.7	10.2	11.9	15.4	21.1	23.7
25°	7.8	7.8	8.7	9.4	9.7	9.7	10.4	12.8	17.2	23.2	26.4
22.5°	7.8	7.8	8.8	9.4	9.7	9.7	10.7	13.6	19.0	25.2	31.4
20°	7.8	7.8	8.9	9.5	9.7	9.9	10.9	14.5	20.8	27.5	36.2
17.5°	7.8	7.8	9.0	9.6	9.7	10.1	11.3	15.4	22.5	29.8	40.7
15°	7.8	7.8	9.1	9.6	9.7	10.3	11.7	16.2	24.2	32.2	44.9
12.5°	7.8	7.8	9.2	9.7	9.7	10.5	12.1	16.9	25.9	34.6	48.7
10°	7.8	7.8	9.3	9.7	9.7	10.7	12.4	17.6	27.5	38.4	54.7
7.5°	7.8	7.8	9.4	9.7	9.7	11.0	12.7	18.2	29.1	42.5	65.7
5°	7.8	7.8	9.5	9.7	9.7	11.2	13.0	18.7	30.6	46.7	77.1
2.5°	7.8	7.8	9.6	9.7	9.7	11.5	13.3	19.1	31.9	50.7	88.5
0°	7.8	7.8	9.7	9.7	9.7	11.7	13.6	19.5	33.1	54.5	99.3
-2.5°	7.8	7.8	9.7	9.8	9.9	12.1	15.1	24.0	42.9	71.2	128.2
-5°	7.8	7.9	9.7	10.0	10.1	12.5	16.6	28.4	52.2	87.1	155.6
-7.5°	7.8	7.9	9.7	10.1	10.2	12.9	18.0	32.4	60.8	102.0	180.5
-10°	7.8	8.0	9.7	10.2	10.4	13.2	19.3	36.0	68.5	115.5	202.5
-12.5°	7.8	8.0	9.6	10.3	10.6	13.5	20.3	39.0	75.0	127.1	215.6
-15°	7.8	8.0	9.6	10.4	10.7	13.7	21.2	41.3	80.9	136.2	223.4
-17.5°	7.8	8.1	9.6	10.5	10.9	13.9	21.8	43.9	86.3	143.8	228.6
-20°	7.8	8.1	9.5	10.5	11.1	14.0	22.5	46.4	90.3	149.5	231.2



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-2S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.8	8.1	9.5	10.6	11.2	14.0	23.3	47.7	92.8	153.4	231.1
-25°	7.8	8.2	9.5	10.6	11.4	14.2	23.6	47.6	93.7	155.3	228.2
-27.5°	7.8	8.2	9.5	10.6	11.6	14.4	23.4	46.1	92.8	155.5	229.3
-30°	7.8	8.2	9.4	10.6	11.7	14.5	22.7	43.1	91.0	154.1	228.0
-32.5°	7.8	8.2	9.4	10.6	11.9	14.5	21.4	41.5	87.5	150.3	224.1
-35°	7.8	8.2	9.4	10.5	12.1	14.3	20.8	40.0	81.8	144.1	217.5
-37.5°	7.8	8.3	9.4	10.4	12.2	14.2	20.6	37.5	73.8	135.5	200.8
-40°	7.8	8.3	9.4	10.3	12.3	14.4	20.2	34.2	63.5	124.5	182.4
-42.5°	7.8	8.3	9.4	10.1	12.3	14.4	19.6	30.0	56.3	107.3	162.3
-45°	7.8	8.3	9.4	10.0	12.1	14.4	18.8	26.7	50.4	88.7	140.7
-47.5°	7.8	8.3	9.4	9.9	11.9	14.3	17.9	25.5	43.3	69.4	119.0
-50°	7.8	8.3	9.4	9.8	11.7	14.0	17.5	24.1	34.4	59.2	96.3
-52.5°	7.8	8.3	9.4	9.9	11.4	13.7	17.0	22.5	30.0	48.1	74.0
-55°	7.8	8.2	9.4	9.9	11.1	13.3	16.4	20.7	27.5	36.2	60.2
-57.5°	7.8	8.2	9.4	9.9	10.8	12.9	15.6	19.7	24.9	31.2	45.6
-60°	7.8	8.2	9.4	9.8	10.4	12.4	14.8	18.4	22.5	28.2	34.1
-62.5°	7.8	8.2	9.4	9.8	10.4	11.9	14.1	17.1	21.0	25.1	30.7
-65°	7.8	8.2	9.3	9.8	10.3	11.3	13.3	15.8	19.4	23.1	27.2
-67.5°	7.8	8.1	9.1	9.8	10.1	10.9	12.5	14.9	17.7	21.2	24.7
-70°	7.8	8.1	9.0	9.7	10.0	10.6	11.6	14.0	16.6	19.3	22.5
-72.5°	7.8	8.1	8.9	9.6	9.9	10.4	11.2	13.0	15.5	18.0	20.5
-75°	7.8	8.0	8.7	9.4	9.7	10.1	10.7	12.3	14.4	16.7	19.1
-77.5°	7.8	8.0	8.6	9.2	9.6	9.8	10.2	11.7	13.5	15.4	17.6
-80°	7.8	8.0	8.4	9.0	9.4	9.6	9.8	11.1	12.6	14.3	16.1
-82.5°	7.8	7.9	8.3	8.8	9.2	9.5	9.7	10.5	11.7	13.1	14.6
-85°	7.8	7.9	8.1	8.6	9.1	9.4	9.7	10.3	11.0	11.9	13.0
-87.5°	7.8	7.8	8.0	8.5	8.9	9.3	9.7	10.0	10.4	10.8	11.3
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.3	6.8	6.3	5.8





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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°	9.7	9.7	9.7	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.1
87.5°	6.5	6.3	6.1	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4
85°	7.2	6.8	6.3	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4
82.5°	7.3	6.8	6.3	5.8	5.8	5.8	5.8	5.8	5.4	4.9	4.4
80°	7.4	6.9	6.4	5.9	5.8	5.8	5.8	5.8	5.4	5.0	4.8
77.5°	7.4	6.9	6.4	5.9	5.9	6.2	6.5	6.8	6.8	6.6	6.3
75°	7.5	7.0	6.7	6.7	7.1	7.5	7.8	7.8	7.5	7.0	6.5
72.5°	7.6	7.4	7.4	7.8	7.8	7.8	7.8	7.8	8.7	10.0	11.0
70°	7.7	7.8	7.8	7.8	7.8	8.3	10.3	13.0	15.7	17.8	20.4
67.5°	7.8	7.8	7.8	8.0	9.4	11.6	14.7	22.4	31.3	34.1	34.0
65°	7.8	7.8	8.3	9.6	11.5	17.5	25.9	36.4	44.2	43.0	40.3
62.5°	7.8	8.1	9.1	12.0	17.5	25.3	33.5	41.0	48.5	47.2	41.1
60°	7.9	8.3	11.5	17.0	23.0	29.2	37.1	42.0	46.8	48.2	38.0
57.5°	8.0	10.1	15.5	21.3	26.7	31.3	34.2	38.5	41.3	41.9	31.4
55°	9.1	13.2	19.0	24.7	28.5	27.3	29.4	32.1	33.3	30.7	22.2
52.5°	11.6	16.1	22.0	26.7	27.2	25.1	24.5	25.7	23.8	20.3	17.6
50°	13.8	18.9	24.6	27.2	26.6	23.9	20.3	19.8	19.1	17.8	16.1
47.5°	15.9	21.5	26.4	28.2	26.2	23.7	19.6	19.1	19.2	20.3	19.2
45°	18.0	23.1	28.1	28.4	27.0	25.0	23.2	21.2	25.0	26.3	26.2
42.5°	19.8	24.1	28.5	29.0	29.7	29.3	28.7	30.8	33.1	35.1	35.8
40°	20.5	24.8	30.0	33.8	34.0	35.4	39.4	43.1	43.3	45.9	47.5
37.5°	20.8	27.2	34.4	43.0	40.4	45.1	51.8	62.0	63.4	57.6	65.8
35°	20.8	30.6	45.9	55.9	54.5	57.8	73.8	88.7	95.4	85.8	99.0
32.5°	22.9	34.9	60.7	71.4	81.2	85.0	100.4	129.9	146.3	152.5	163.5
30°	27.7	48.6	77.8	89.3	117.0	135.5	148.4	183.6	213.7	305.1	372.8
27.5°	33.8	65.4	94.8	121.2	162.1	193.9	221.7	257.8	368.4	534.8	707.7
25°	39.7	87.8	113.4	162.6	218.1	261.1	299.1	350.4	582.1	923.1	1068.7
22.5°	51.7	113.6	143.0	209.1	279.2	330.1	385.3	524.0	837.1	1349.5	1409.4
20°	71.3	138.5	183.4	261.4	346.9	399.2	472.5	706.4	1125.7	1517.2	1679.5
17.5°	92.3	165.6	227.9	323.0	426.6	486.0	571.6	881.9	1374.4	1722.9	1940.6
15°	114.3	194.5	270.5	390.6	511.1	592.9	770.0	1123.1	1570.8	1963.9	2281.3
12.5°	136.6	224.5	311.2	462.1	599.5	698.5	1010.5	1491.0	1899.9	2268.1	2698.9
10°	158.5	255.0	349.7	535.7	690.3	802.2	1275.3	1864.7	2266.3	2626.3	3068.1
7.5°	202.5	295.9	390.3	609.1	781.6	903.3	1552.1	2236.2	2602.4	2940.3	3373.8
5°	250.6	346.4	452.8	696.6	873.0	996.5	1804.2	2595.4	2912.2	3216.9	3640.4
2.5°	297.4	394.5	513.2	780.5	960.5	1077.3	1933.3	2792.6	3109.2	3429.0	3870.6
0°	340.8	440.2	570.7	856.9	1042.0	1153.0	2027.5	2958.4	3273.9	3607.0	4072.5
-2.5°	377.0	486.6	631.4	893.2	1064.6	1172.3	1996.5	2956.8	3335.3	3705.3	4187.0
-5°	407.2	530.1	687.4	923.2	1082.8	1188.2	1935.2	2910.1	3386.1	3784.0	4273.3
-7.5°	430.9	570.1	737.7	946.7	1094.0	1196.1	1908.2	2929.6	3476.6	3853.1	4329.7
-10°	443.9	586.0	741.4	945.7	1096.0	1197.9	1848.6	2889.5	3551.7	3914.6	4353.6
-12.5°	426.6	579.4	731.8	936.0	1096.6	1197.2	1733.9	2783.3	3613.3	3973.2	4331.8
-15°	407.4	569.4	716.0	916.8	1096.7	1194.3	1558.6	2606.6	3578.3	3868.4	4241.1
-17.5°	387.3	556.0	694.0	887.6	1097.2	1189.6	1309.5	2227.4	3229.2	3646.6	4094.6
-20°	367.3	539.2	665.3	848.1	1091.3	1157.7	1213.4	1842.4	2720.3	3364.6	3817.3



REPORT NUMBER: P701464 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	348.3	519.0	636.2	810.2	1006.8	1102.8	1155.7	1469.7	2196.1	3021.8	3403.1
-25°	337.9	489.2	610.9	752.3	918.5	1045.5	1091.1	1156.3	1733.3	2480.0	3025.0
-27.5°	332.6	463.2	577.0	694.8	836.7	976.9	1026.2	1082.9	1376.6	1949.7	2627.9
-30°	323.9	430.0	541.3	642.2	769.0	888.9	960.9	1025.8	1105.6	1536.2	2072.5
-32.5°	304.4	395.5	502.5	600.9	706.1	812.3	913.6	984.3	1049.4	1166.1	1590.3
-35°	281.6	366.4	462.1	558.0	646.9	750.5	855.8	948.4	1001.0	1055.4	1242.4
-37.5°	262.6	335.6	421.0	513.5	599.1	693.0	795.2	893.0	965.8	1015.4	1086.3
-40°	242.1	303.0	383.7	468.1	551.8	636.6	730.6	825.7	916.5	992.3	1049.6
-42.5°	220.1	278.7	346.6	422.2	502.4	582.1	664.1	754.5	850.0	948.9	1023.1
-45°	196.1	253.1	309.7	380.3	451.4	525.7	601.9	681.8	778.4	873.2	967.1
-47.5°	170.2	225.5	280.2	338.0	403.5	469.6	537.9	619.2	704.3	793.7	881.9
-50°	143.3	194.9	249.7	302.4	358.2	416.7	477.5	557.6	638.7	716.1	795.3
-52.5°	117.4	162.5	215.0	268.2	317.6	369.1	427.4	497.8	573.6	648.4	719.0
-55°	90.7	132.3	177.5	228.8	279.7	325.7	380.6	443.0	507.0	578.1	646.4
-57.5°	70.0	101.8	141.4	185.3	234.5	285.1	337.4	390.0	448.3	508.6	567.5
-60°	52.1	75.3	105.6	143.5	184.4	233.8	291.0	343.1	392.7	441.8	495.6
-62.5°	36.1	54.4	75.8	102.1	137.6	178.2	227.2	281.3	338.9	382.5	425.6
-65°	32.3	37.3	52.1	71.7	91.5	125.2	164.1	206.6	255.5	300.1	346.7
-67.5°	28.3	32.7	37.5	45.2	62.8	81.4	101.3	135.9	173.0	204.9	238.2
-70°	25.6	28.3	32.2	36.5	40.9	48.4	64.8	82.1	99.3	118.0	144.6
-72.5°	23.1	25.6	28.1	30.5	34.2	37.9	41.6	45.1	55.0	68.6	80.9
-75°	20.9	22.9	25.1	27.4	29.4	31.5	34.1	37.2	40.3	43.4	46.9
-77.5°	18.9	20.2	21.9	23.9	25.5	26.8	28.4	30.3	32.2	34.1	36.0
-80°	16.9	17.5	18.4	19.7	21.1	22.3	23.4	24.2	25.4	26.8	28.3
-82.5°	15.1	15.5	16.0	16.4	17.2	18.1	19.1	20.1	20.8	21.5	22.2
-85°	13.3	13.6	13.9	14.2	14.5	15.0	15.5	16.0	16.4	16.7	17.1
-87.5°	11.5	11.6	11.8	11.9	12.3	12.6	12.8	13.0	13.2	13.4	13.5
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.3	4.9	4.4



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	13.6	13.6	13.6	13.6	13.6	16.5	19.4	22.4	25.3	29.7	34.0
87.5°	3.9	3.8	3.8	3.7	3.7	3.3	2.8	2.4	1.9	1.4	1.0
85°	3.9	3.9	3.9	3.9	3.9	3.4	2.9	2.4	1.9	1.9	1.9
82.5°	3.9	3.9	3.9	3.9	3.9	3.4	2.9	2.4	1.9	1.9	1.9
80°	4.5	4.5	4.4	4.2	3.9	3.5	3.0	2.5	1.9	1.9	1.9
77.5°	5.9	5.4	5.0	4.5	4.0	3.7	3.6	3.6	3.6	3.3	2.9
75°	6.0	5.8	6.0	5.7	5.1	4.7	4.6	4.3	4.0	3.8	3.8
72.5°	11.7	11.7	11.0	10.4	9.3	8.8	8.5	8.0	7.2	6.8	6.6
70°	21.4	21.0	20.2	18.5	15.8	13.6	12.4	11.0	9.7	9.3	9.3
67.5°	31.0	27.9	25.3	22.2	18.4	15.6	14.1	12.4	10.5	9.7	9.7
65°	36.0	29.3	25.0	21.7	19.2	16.4	13.9	11.6	9.4	8.5	8.7
62.5°	34.1	25.4	20.1	17.0	14.7	13.2	11.2	9.6	8.4	7.9	7.9
60°	28.3	19.0	14.3	12.7	11.2	9.8	9.2	8.4	7.4	6.5	6.8
57.5°	22.0	15.2	11.6	11.0	10.5	9.9	9.1	8.2	7.6	7.1	7.5
55°	16.4	13.5	11.8	11.9	11.6	10.6	9.6	9.5	9.3	9.0	9.2
52.5°	14.3	14.3	14.8	14.6	13.3	12.2	11.5	11.5	11.7	12.0	12.6
50°	16.3	16.9	16.6	15.3	15.0	14.5	13.6	14.4	15.6	16.0	16.4
47.5°	19.4	19.8	20.0	18.7	19.0	20.4	20.7	21.3	23.5	25.1	26.6
45°	25.0	27.1	27.7	28.5	29.0	31.9	33.4	34.2	40.3	43.1	43.4
42.5°	36.0	39.3	42.0	46.2	45.6	52.9	62.4	67.4	67.0	65.1	65.0
40°	52.7	58.4	71.3	78.1	85.6	94.1	95.0	84.6	84.7	95.2	94.6
37.5°	81.2	101.2	119.4	135.4	139.4	134.6	136.4	144.3	153.7	154.6	159.2
35°	137.0	177.4	186.7	199.1	212.7	199.8	198.2	210.9	206.6	228.5	244.3
32.5°	236.9	294.2	311.6	326.5	364.3	342.5	282.0	370.0	350.2	374.8	412.1
30°	376.8	489.5	565.3	588.0	597.5	600.1	656.9	707.3	747.2	800.5	876.0
27.5°	713.6	788.4	914.3	985.1	896.1	932.8	1078.7	1105.2	1255.6	1419.0	1553.1
25°	1085.2	1169.0	1393.3	1421.5	1347.1	1483.7	1624.9	1654.2	1919.3	2111.8	2572.6
22.5°	1421.0	1561.6	1801.6	1869.7	1931.6	2094.0	2258.0	2453.6	3051.0	3791.8	5136.2
20°	1705.3	1862.2	2096.7	2286.2	2440.8	2648.0	2839.0	3506.8	4793.6	7608.2	10669.7
17.5°	2049.4	2146.6	2436.6	2689.9	2932.3	3229.0	4073.5	5760.1	9485.5	15618.2	21430.6
15°	2513.1	2706.3	2886.2	3160.4	3613.0	4476.2	6339.5	11833.4	19627.1	30324.1	43573.7
12.5°	3047.8	3314.3	3563.8	3796.2	4445.6	6481.5	12427.1	21954.1	35055.6	52239.2	78242.6
10°	3525.3	3932.3	4238.6	4644.3	5902.0	9861.3	19039.5	32508.1	55530.0	85891.9	119826.4
7.5°	3856.7	4340.5	4753.5	5356.7	7407.7	14115.0	26820.9	47795.5	80520.2	121431.0	167207.8
5°	4172.1	4717.6	5123.0	5865.0	8403.1	17069.9	32718.9	60538.0	104980.1	159037.9	217810.6
2.5°	4470.0	5050.6	5449.2	6320.4	9031.7	18416.7	35189.3	68459.7	120801.7	184833.3	254635.1
0°	4746.3	5295.6	5712.3	6534.2	9562.8	19709.8	37290.9	71013.9	126146.9	192428.1	265845.3
-2.5°	4694.7	5103.0	5564.5	6388.3	9057.5	18323.3	34841.7	68013.9	119871.5	183361.8	250893.1
-5°	4676.7	5007.8	5424.4	6171.2	8433.4	15832.7	30944.8	61240.4	109589.3	166806.7	229706.1
-7.5°	4690.5	4953.4	5279.1	5896.7	7679.8	13386.2	26905.1	53087.8	93022.8	141467.2	198267.9
-10°	4719.9	4923.3	5253.6	5796.8	7044.9	10699.4	20361.6	40901.8	73139.6	111671.0	155930.3
-12.5°	4770.9	5044.8	5376.3	5745.4	6406.9	8522.1	16013.8	31750.9	54077.1	81147.1	114824.6
-15°	4753.4	5106.6	5481.0	5709.0	6069.1	7246.5	10387.2	20964.8	37416.8	55370.2	75751.4
-17.5°	4625.4	5048.3	5212.7	5389.7	5608.8	6188.7	7941.7	12644.1	22012.6	33808.9	45275.6
-20°	4328.2	4542.1	4747.9	4959.0	5201.6	5521.7	6067.0	7898.7	10642.1	17335.9	22931.8



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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°	3770.3	3976.2	4154.5	4496.8	4741.8	4977.0	5277.2	5673.7	6728.8	8386.2	11140.8
-25°	3291.7	3418.5	3669.4	4069.2	4332.4	4473.2	4661.5	4811.9	5173.6	5558.5	6510.0
-27.5°	2909.2	3099.4	3408.4	3758.6	4010.9	4124.2	4223.2	4311.6	4538.7	4696.1	4966.3
-30°	2606.6	2914.5	3204.1	3524.5	3756.5	3891.2	3933.4	4060.9	4209.0	4321.3	4430.8
-32.5°	2172.4	2714.2	2977.6	3243.0	3505.1	3670.8	3784.4	3884.9	4023.9	4110.1	4153.2
-35°	1704.9	2259.6	2778.3	2956.3	3146.8	3384.9	3578.7	3681.0	3772.4	3855.5	3908.0
-37.5°	1286.7	1741.1	2223.9	2658.1	2862.1	3040.3	3322.1	3492.8	3575.6	3699.7	3770.2
-40°	1115.9	1244.8	1656.8	2063.4	2429.4	2835.1	3109.3	3372.4	3632.4	3791.8	3895.3
-42.5°	1077.7	1130.3	1179.1	1464.1	1830.0	2197.6	2601.7	3048.0	3421.2	3702.3	3963.4
-45°	1046.7	1086.8	1126.1	1170.8	1213.6	1494.8	1810.7	2143.4	2572.8	2988.5	3347.5
-47.5°	966.9	1042.7	1087.0	1120.7	1155.6	1194.5	1230.3	1305.8	1594.5	1901.6	2193.2
-50°	876.3	951.4	1018.7	1081.0	1126.0	1156.2	1178.7	1208.3	1242.8	1273.5	1301.6
-52.5°	787.0	859.8	928.2	995.9	1059.4	1117.9	1171.9	1205.9	1232.1	1255.0	1269.3
-55°	711.9	774.8	836.1	903.0	968.2	1030.4	1089.0	1141.7	1191.2	1237.6	1264.1
-57.5°	629.8	691.7	753.0	814.9	874.4	931.5	988.1	1043.2	1095.5	1143.3	1172.3
-60°	548.6	600.6	661.6	725.1	784.4	839.7	896.0	949.4	998.9	1041.0	1066.8
-62.5°	472.3	520.8	571.5	627.9	689.0	748.5	798.7	849.2	899.8	943.3	973.0
-65°	391.5	432.1	473.2	517.4	564.0	612.8	663.0	712.3	760.4	799.8	828.0
-67.5°	277.0	317.4	356.6	395.9	431.7	467.7	506.1	544.9	583.5	615.1	640.1
-70°	170.8	196.0	219.8	245.3	275.3	306.6	338.6	368.5	396.2	416.7	431.8
-72.5°	92.2	102.3	114.5	133.6	151.4	170.1	189.5	208.0	225.5	238.4	248.1
-75°	50.5	55.1	63.0	70.4	77.4	85.7	94.2	102.1	109.5	116.8	123.5
-77.5°	38.2	40.5	42.6	44.5	46.1	49.0	52.3	55.6	59.0	63.4	68.0
-80°	29.8	31.0	32.2	33.4	34.5	36.5	38.7	40.8	42.8	44.9	46.8
-82.5°	23.0	23.6	24.2	24.6	25.1	26.4	27.8	29.1	30.4	32.5	34.6
-85°	17.4	17.8	18.2	18.5	18.8	19.8	20.8	21.9	23.0	24.5	26.1
-87.5°	13.6	14.0	14.5	14.9	15.4	16.1	16.7	17.3	17.8	19.2	20.7
-90°	3.9	3.4	2.9	2.4	1.9	1.9	1.9	1.9	1.9	1.4	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°	38.4	42.8	45.7	48.7	45.7	42.8	38.4	34.0	29.7	25.3	22.4
87.5°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	2.4
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.4
80°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.5
77.5°	2.4	1.9	1.9	1.9	1.9	1.9	2.4	2.9	3.3	3.6	3.6
75°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	4.0	4.3
72.5°	6.2	5.8	5.8	5.8	5.8	5.8	6.2	6.6	6.8	7.2	8.0
70°	9.5	9.6	9.7	9.7	9.7	9.6	9.5	9.3	9.3	9.7	11.0
67.5°	9.7	9.7	8.8	7.8	8.8	9.7	9.7	9.7	9.7	10.5	12.4
65°	9.1	9.6	8.8	7.8	8.8	9.6	9.1	8.7	8.5	9.4	11.6
62.5°	7.9	7.9	7.8	7.8	7.8	7.9	7.9	7.9	7.9	8.4	9.6
60°	7.2	7.7	7.8	7.8	7.8	7.7	7.2	6.8	6.5	7.4	8.4
57.5°	7.7	7.8	8.6	9.7	8.6	7.8	7.7	7.5	7.1	7.6	8.2
55°	9.4	9.6	9.7	9.7	9.7	9.6	9.4	9.2	9.0	9.3	9.5
52.5°	13.0	13.3	13.5	13.6	13.5	13.3	13.0	12.6	12.0	11.7	11.5
50°	16.9	17.2	16.8	15.6	16.8	17.2	16.9	16.4	16.0	15.6	14.4
47.5°	27.9	28.6	28.4	27.3	28.4	28.6	27.9	26.6	25.1	23.5	21.3
45°	44.6	44.6	44.4	44.8	44.4	44.6	44.6	43.4	43.1	40.3	34.2
42.5°	66.7	67.4	67.6	68.2	67.6	67.4	66.7	65.0	65.1	67.0	67.4
40°	96.4	96.9	95.8	93.5	95.8	96.9	96.4	94.6	95.2	84.7	84.6
37.5°	167.4	171.1	170.1	167.5	170.1	171.1	167.4	159.2	154.6	153.7	144.3
35°	249.9	247.7	241.0	241.5	241.0	247.7	249.9	244.3	228.5	206.6	210.9
32.5°	390.4	404.4	408.7	410.9	408.7	404.4	390.4	412.1	374.8	350.2	370.0
30°	929.2	901.1	776.4	738.1	776.4	901.1	929.2	876.0	800.5	747.2	707.3
27.5°	1650.6	1739.6	1821.0	1828.8	1821.0	1739.6	1650.6	1553.1	1419.0	1255.6	1105.2
25°	3048.4	3347.9	3474.1	3457.0	3474.1	3347.9	3048.4	2572.6	2111.8	1919.3	1654.2
22.5°	6725.8	7747.8	8280.5	8298.8	8280.5	7747.8	6725.8	5136.2	3791.8	3051.0	2453.6
20°	14675.6	17142.2	17765.0	17579.2	17765.0	17142.2	14675.6	10669.7	7608.2	4793.6	3506.8
17.5°	30259.6	37556.2	42537.7	42880.6	42537.7	37556.2	30259.6	21430.6	15618.2	9485.5	5760.1
15°	58894.2	72306.9	79262.5	80444.2	79262.5	72306.9	58894.2	43573.7	30324.1	19627.1	11833.4
12.5°	102883.8	123298.9	134657.8	136601.7	134657.8	123298.9	102883.8	78242.6	52239.2	35055.6	21954.1
10°	156930.3	185404.5	203919.0	212276.2	203919.0	185404.5	156930.3	119826.4	85891.9	55530.0	32508.1
7.5°	212386.2	257245.2	293879.8	302185.8	293879.8	257245.2	212386.2	167207.8	121431.0	80520.2	47795.5
5°	280992.6	341141.4	376322.4	384447.1	376322.4	341141.4	280992.6	217810.6	159037.9	104980.1	60538.0
2.5°	331868.2	396538.4	433411.8	453675.0	433411.8	396538.4	331868.2	254635.1	184833.3	120801.7	68459.7
0°	347656.7	406501.9	450831.5	482706.1	450831.5	406501.9	347656.7	265845.3	192428.1	126146.9	71013.9
-2.5°	326286.6	388681.0	420846.9	438767.0	420846.9	388681.0	326286.6	250893.1	183361.8	119871.5	68013.9
-5°	292288.9	349643.4	384722.5	395536.8	384722.5	349643.4	292288.9	229706.1	166806.7	109589.3	61240.4
-7.5°	247747.5	289631.8	315902.8	329149.5	315902.8	289631.8	247747.5	198267.9	141467.2	93022.8	53087.8
-10°	199535.3	231323.5	250918.8	258247.6	250918.8	231323.5	199535.3	155930.3	111671.0	73139.6	40901.8
-12.5°	146146.9	171465.6	186519.9	192327.7	186519.9	171465.6	146146.9	114824.6	81147.1	54077.1	31750.9
-15°	96463.8	114714.8	126294.6	130338.2	126294.6	114714.8	96463.8	75751.4	55370.2	37416.8	20964.8
-17.5°	58466.5	68541.2	76037.1	77927.9	76037.1	68541.2	58466.5	45275.6	33808.9	22012.6	12644.1
-20°	30939.5	35473.1	38004.9	39717.7	38004.9	35473.1	30939.5	22931.8	17335.9	10642.1	7898.7



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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°	14667.7	17136.7	18274.5	19143.1	18274.5	17136.7	14667.7	11140.8	8386.2	6728.8	5673.7
-25°	7340.6	7851.3	8073.7	8384.5	8073.7	7851.3	7340.6	6510.0	5558.5	5173.6	4811.9
-27.5°	5148.9	5268.7	5315.9	5354.0	5315.9	5268.7	5148.9	4966.3	4696.1	4538.7	4311.6
-30°	4486.9	4506.6	4503.8	4500.9	4503.8	4506.6	4486.9	4430.8	4321.3	4209.0	4060.9
-32.5°	4199.8	4220.8	4219.3	4216.6	4219.3	4220.8	4199.8	4153.2	4110.1	4023.9	3884.9
-35°	3941.7	3969.0	3982.5	3988.7	3982.5	3969.0	3941.7	3908.0	3855.5	3772.4	3681.0
-37.5°	3809.5	3815.4	3799.9	3782.3	3799.9	3815.4	3809.5	3770.2	3699.7	3575.6	3492.8
-40°	3946.1	4038.7	4131.6	4160.1	4131.6	4038.7	3946.1	3895.3	3791.8	3632.4	3372.4
-42.5°	4049.4	4108.9	4135.7	4127.0	4135.7	4108.9	4049.4	3963.4	3702.3	3421.2	3048.0
-45°	3584.7	3769.1	3878.3	3905.0	3878.3	3769.1	3584.7	3347.5	2988.5	2572.8	2143.4
-47.5°	2437.8	2644.3	2774.3	2816.2	2774.3	2644.3	2437.8	2193.2	1901.6	1594.5	1305.8
-50°	1328.9	1354.9	1363.4	1355.5	1363.4	1354.9	1328.9	1301.6	1273.5	1242.8	1208.3
-52.5°	1283.3	1298.7	1308.7	1314.6	1308.7	1298.7	1283.3	1269.3	1255.0	1232.1	1205.9
-55°	1286.8	1306.6	1317.5	1322.4	1317.5	1306.6	1286.8	1264.1	1237.6	1191.2	1141.7
-57.5°	1197.9	1220.2	1230.9	1234.8	1230.9	1220.2	1197.9	1172.3	1143.3	1095.5	1043.2
-60°	1090.3	1111.5	1119.7	1121.8	1119.7	1111.5	1090.3	1066.8	1041.0	998.9	949.4
-62.5°	1000.5	1025.4	1036.0	1040.0	1036.0	1025.4	1000.5	973.0	943.3	899.8	849.2
-65°	852.8	874.2	881.4	882.3	881.4	874.2	852.8	828.0	799.8	760.4	712.3
-67.5°	662.4	681.6	688.4	689.5	688.4	681.6	662.4	640.1	615.1	583.5	544.9
-70°	444.0	453.2	457.2	457.7	457.2	453.2	444.0	431.8	416.7	396.2	368.5
-72.5°	255.7	261.3	263.1	262.9	263.1	261.3	255.7	248.1	238.4	225.5	208.0
-75°	129.4	134.7	136.0	136.3	136.0	134.7	129.4	123.5	116.8	109.5	102.1
-77.5°	72.6	77.2	77.8	77.9	77.8	77.2	72.6	68.0	63.4	59.0	55.6
-80°	48.7	50.4	50.6	50.6	50.6	50.4	48.7	46.8	44.9	42.8	40.8
-82.5°	36.8	38.9	39.0	39.0	39.0	38.9	36.8	34.6	32.5	30.4	29.1
-85°	27.6	29.1	30.2	31.2	30.2	29.1	27.6	26.1	24.5	23.0	21.9
-87.5°	22.1	23.5	24.4	25.3	24.4	23.5	22.1	20.7	19.2	17.8	17.3
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.4	1.9	1.9



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	19.4	16.5	13.6	13.6	13.6	13.6	13.6	13.1	12.7	12.2	11.7
87.5°	2.8	3.3	3.7	3.7	3.8	3.8	3.9	4.4	4.9	5.3	5.8
85°	2.9	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.3	5.8
82.5°	2.9	3.4	3.9	3.9	3.9	3.9	3.9	4.4	4.9	5.4	5.8
80°	3.0	3.5	3.9	4.2	4.4	4.5	4.5	4.8	5.0	5.4	5.8
77.5°	3.6	3.7	4.0	4.5	5.0	5.4	5.9	6.3	6.6	6.8	6.8
75°	4.6	4.7	5.1	5.7	6.0	5.8	6.0	6.5	7.0	7.5	7.8
72.5°	8.5	8.8	9.3	10.4	11.0	11.7	11.7	11.0	10.0	8.7	7.8
70°	12.4	13.6	15.8	18.5	20.2	21.0	21.4	20.4	17.8	15.7	13.0
67.5°	14.1	15.6	18.4	22.2	25.3	27.9	31.0	34.0	34.1	31.3	22.4
65°	13.9	16.4	19.2	21.7	25.0	29.3	36.0	40.3	43.0	44.2	36.4
62.5°	11.2	13.2	14.7	17.0	20.1	25.4	34.1	41.1	47.2	48.5	41.0
60°	9.2	9.8	11.2	12.7	14.3	19.0	28.3	38.0	48.2	46.8	42.0
57.5°	9.1	9.9	10.5	11.0	11.6	15.2	22.0	31.4	41.9	41.3	38.5
55°	9.6	10.6	11.6	11.9	11.8	13.5	16.4	22.2	30.7	33.3	32.1
52.5°	11.5	12.2	13.3	14.6	14.8	14.3	14.3	17.6	20.3	23.8	25.7
50°	13.6	14.5	15.0	15.3	16.6	16.9	16.3	16.1	17.8	19.1	19.8
47.5°	20.7	20.4	19.0	18.7	20.0	19.8	19.4	19.2	20.3	19.2	19.1
45°	33.4	31.9	29.0	28.5	27.7	27.1	25.0	26.2	26.3	25.0	21.2
42.5°	62.4	52.9	45.6	46.2	42.0	39.3	36.0	35.8	35.1	33.1	30.8
40°	95.0	94.1	85.6	78.1	71.3	58.4	52.7	47.5	45.9	43.3	43.1
37.5°	136.4	134.6	139.4	135.4	119.4	101.2	81.2	65.8	57.6	63.4	62.0
35°	198.2	199.8	212.7	199.1	186.7	177.4	137.0	99.0	85.8	95.4	88.7
32.5°	282.0	342.5	364.3	326.5	311.6	294.2	236.9	163.5	152.5	146.3	129.9
30°	656.9	600.1	597.5	588.0	565.3	489.5	376.8	372.8	305.1	213.7	183.6
27.5°	1078.7	932.8	896.1	985.1	914.3	788.4	713.6	707.7	534.8	368.4	257.8
25°	1624.9	1483.7	1347.1	1421.5	1393.3	1169.0	1085.2	1068.7	923.1	582.1	350.4
22.5°	2258.0	2094.0	1931.6	1869.7	1801.6	1561.6	1421.0	1409.4	1349.5	837.1	524.0
20°	2839.0	2648.0	2440.8	2286.2	2096.7	1862.2	1705.3	1679.5	1517.2	1125.7	706.4
17.5°	4073.5	3229.0	2932.3	2689.9	2436.6	2146.6	2049.4	1940.6	1722.9	1374.4	881.9
15°	6339.5	4476.2	3613.0	3160.4	2886.2	2706.3	2513.1	2281.3	1963.9	1570.8	1123.1
12.5°	12427.1	6481.5	4445.6	3796.2	3563.8	3314.3	3047.8	2698.9	2268.1	1899.9	1491.0
10°	19039.5	9861.3	5902.0	4644.3	4238.6	3932.3	3525.3	3068.1	2626.3	2266.3	1864.7
7.5°	26820.9	14115.0	7407.7	5356.7	4753.5	4340.5	3856.7	3373.8	2940.3	2602.4	2236.2
5°	32718.9	17069.9	8403.1	5865.0	5123.0	4717.6	4172.1	3640.4	3216.9	2912.2	2595.4
2.5°	35189.3	18416.7	9031.7	6320.4	5449.2	5050.6	4470.0	3870.6	3429.0	3109.2	2792.6
0°	37290.9	19709.8	9562.8	6534.2	5712.3	5295.6	4746.3	4072.5	3607.0	3273.9	2958.4
-2.5°	34841.7	18323.3	9057.5	6388.3	5564.5	5103.0	4694.7	4187.0	3705.3	3335.3	2956.8
-5°	30944.8	15832.7	8433.4	6171.2	5424.4	5007.8	4676.7	4273.3	3784.0	3386.1	2910.1
-7.5°	26905.1	13386.2	7679.8	5896.7	5279.1	4953.4	4690.5	4329.7	3853.1	3476.6	2929.6
-10°	20361.6	10699.4	7044.9	5796.8	5253.6	4923.3	4719.9	4353.6	3914.6	3551.7	2889.5
-12.5°	16013.8	8522.1	6406.9	5745.4	5376.3	5044.8	4770.9	4331.8	3973.2	3613.3	2783.3
-15°	10387.2	7246.5	6069.1	5709.0	5481.0	5106.6	4753.4	4241.1	3868.4	3578.3	2606.6
-17.5°	7941.7	6188.7	5608.8	5389.7	5212.7	5048.3	4625.4	4094.6	3646.6	3229.2	2227.4
-20°	6067.0	5521.7	5201.6	4959.0	4747.9	4542.1	4328.2	3817.3	3364.6	2720.3	1842.4



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-2S-CV2-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5277.2	4977.0	4741.8	4496.8	4154.5	3976.2	3770.3	3403.1	3021.8	2196.1	1469.7
-25°	4661.5	4473.2	4332.4	4069.2	3669.4	3418.5	3291.7	3025.0	2480.0	1733.3	1156.3
-27.5°	4223.2	4124.2	4010.9	3758.6	3408.4	3099.4	2909.2	2627.9	1949.7	1376.6	1082.9
-30°	3933.4	3891.2	3756.5	3524.5	3204.1	2914.5	2606.6	2072.5	1536.2	1105.6	1025.8
-32.5°	3784.4	3670.8	3505.1	3243.0	2977.6	2714.2	2172.4	1590.3	1166.1	1049.4	984.3
-35°	3578.7	3384.9	3146.8	2956.3	2778.3	2259.6	1704.9	1242.4	1055.4	1001.0	948.4
-37.5°	3322.1	3040.3	2862.1	2658.1	2223.9	1741.1	1286.7	1086.3	1015.4	965.8	893.0
-40°	3109.3	2835.1	2429.4	2063.4	1656.8	1244.8	1115.9	1049.6	992.3	916.5	825.7
-42.5°	2601.7	2197.6	1830.0	1464.1	1179.1	1130.3	1077.7	1023.1	948.9	850.0	754.5
-45°	1810.7	1494.8	1213.6	1170.8	1126.1	1086.8	1046.7	967.1	873.2	778.4	681.8
-47.5°	1230.3	1194.5	1155.6	1120.7	1087.0	1042.7	966.9	881.9	793.7	704.3	619.2
-50°	1178.7	1156.2	1126.0	1081.0	1018.7	951.4	876.3	795.3	716.1	638.7	557.6
-52.5°	1171.9	1117.9	1059.4	995.9	928.2	859.8	787.0	719.0	648.4	573.6	497.8
-55°	1089.0	1030.4	968.2	903.0	836.1	774.8	711.9	646.4	578.1	507.0	443.0
-57.5°	988.1	931.5	874.4	814.9	753.0	691.7	629.8	567.5	508.6	448.3	390.0
-60°	896.0	839.7	784.4	725.1	661.6	600.6	548.6	495.6	441.8	392.7	343.1
-62.5°	798.7	748.5	689.0	627.9	571.5	520.8	472.3	425.6	382.5	338.9	281.3
-65°	663.0	612.8	564.0	517.4	473.2	432.1	391.5	346.7	300.1	255.5	206.6
-67.5°	506.1	467.7	431.7	395.9	356.6	317.4	277.0	238.2	204.9	173.0	135.9
-70°	338.6	306.6	275.3	245.3	219.8	196.0	170.8	144.6	118.0	99.3	82.1
-72.5°	189.5	170.1	151.4	133.6	114.5	102.3	92.2	80.9	68.6	55.0	45.1
-75°	94.2	85.7	77.4	70.4	63.0	55.1	50.5	46.9	43.4	40.3	37.2
-77.5°	52.3	49.0	46.1	44.5	42.6	40.5	38.2	36.0	34.1	32.2	30.3
-80°	38.7	36.5	34.5	33.4	32.2	31.0	29.8	28.3	26.8	25.4	24.2
-82.5°	27.8	26.4	25.1	24.6	24.2	23.6	23.0	22.2	21.5	20.8	20.1
-85°	20.8	19.8	18.8	18.5	18.2	17.8	17.4	17.1	16.7	16.4	16.0
-87.5°	16.7	16.1	15.4	14.9	14.5	14.0	13.6	13.5	13.4	13.2	13.0
-90°	1.9	1.9	1.9	2.4	2.9	3.4	3.9	4.4	4.9	5.3	5.8





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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°	11.2	10.7	10.2	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
87.5°	5.8	5.8	5.8	5.8	6.1	6.3	6.5	6.6	6.9	7.1	7.5
85°	5.8	5.8	5.8	5.8	6.3	6.8	7.2	7.5	7.5	7.5	7.6
82.5°	5.8	5.8	5.8	5.8	6.3	6.8	7.3	7.8	7.8	7.8	7.8
80°	5.8	5.8	5.8	5.9	6.4	6.9	7.4	7.8	7.8	7.8	7.8
77.5°	6.5	6.2	5.9	5.9	6.4	6.9	7.4	7.8	7.8	7.8	7.8
75°	7.8	7.5	7.1	6.7	6.7	7.0	7.5	7.8	7.8	7.8	7.8
72.5°	7.8	7.8	7.8	7.8	7.4	7.4	7.6	7.8	7.8	7.8	7.8
70°	10.3	8.3	7.8	7.8	7.8	7.8	7.7	7.9	7.8	7.8	7.8
67.5°	14.7	11.6	9.4	8.0	7.8	7.8	7.8	8.0	8.1	7.8	7.8
65°	25.9	17.5	11.5	9.6	8.3	7.8	7.8	8.2	8.4	8.2	7.8
62.5°	33.5	25.3	17.5	12.0	9.1	8.1	7.8	8.3	8.7	8.7	8.1
60°	37.1	29.2	23.0	17.0	11.5	8.3	7.9	8.4	8.8	9.1	8.6
57.5°	34.2	31.3	26.7	21.3	15.5	10.1	8.0	8.5	8.9	9.3	9.2
55°	29.4	27.3	28.5	24.7	19.0	13.2	9.1	8.6	9.0	9.4	9.7
52.5°	24.5	25.1	27.2	26.7	22.0	16.1	11.6	8.7	9.1	9.5	9.7
50°	20.3	23.9	26.6	27.2	24.6	18.9	13.8	10.2	9.2	9.6	9.7
47.5°	19.6	23.7	26.2	28.2	26.4	21.5	15.9	11.7	9.3	9.7	9.7
45°	23.2	25.0	27.0	28.4	28.1	23.1	18.0	12.8	10.2	9.8	9.7
42.5°	28.7	29.3	29.7	29.0	28.5	24.1	19.8	14.3	10.9	9.9	9.8
40°	39.4	35.4	34.0	33.8	30.0	24.8	20.5	15.8	11.4	10.3	9.9
37.5°	51.8	45.1	40.4	43.0	34.4	27.2	20.8	17.0	12.6	11.1	10.1
35°	73.8	57.8	54.5	55.9	45.9	30.6	20.8	17.7	14.6	12.0	10.4
32.5°	100.4	85.0	81.2	71.4	60.7	34.9	22.9	19.4	16.7	13.0	10.6
30°	148.4	135.5	117.0	89.3	77.8	48.6	27.7	21.4	18.9	14.0	11.1
27.5°	221.7	193.9	162.1	121.2	94.8	65.4	33.8	23.7	21.1	15.4	11.9
25°	299.1	261.1	218.1	162.6	113.4	87.8	39.7	26.4	23.2	17.2	12.8
22.5°	385.3	330.1	279.2	209.1	143.0	113.6	51.7	31.4	25.2	19.0	13.6
20°	472.5	399.2	346.9	261.4	183.4	138.5	71.3	36.2	27.5	20.8	14.5
17.5°	571.6	486.0	426.6	323.0	227.9	165.6	92.3	40.7	29.8	22.5	15.4
15°	770.0	592.9	511.1	390.6	270.5	194.5	114.3	44.9	32.2	24.2	16.2
12.5°	1010.5	698.5	599.5	462.1	311.2	224.5	136.6	48.7	34.6	25.9	16.9
10°	1275.3	802.2	690.3	535.7	349.7	255.0	158.5	54.7	38.4	27.5	17.6
7.5°	1552.1	903.3	781.6	609.1	390.3	295.9	202.5	65.7	42.5	29.1	18.2
5°	1804.2	996.5	873.0	696.6	452.8	346.4	250.6	77.1	46.7	30.6	18.7
2.5°	1933.3	1077.3	960.5	780.5	513.2	394.5	297.4	88.5	50.7	31.9	19.1
0°	2027.5	1153.0	1042.0	856.9	570.7	440.2	340.8	99.3	54.5	33.1	19.5
-2.5°	1996.5	1172.3	1064.6	893.2	631.4	486.6	377.0	128.2	71.2	42.9	24.0
-5°	1935.2	1188.2	1082.8	923.2	687.4	530.1	407.2	155.6	87.1	52.2	28.4
-7.5°	1908.2	1196.1	1094.0	946.7	737.7	570.1	430.9	180.5	102.0	60.8	32.4
-10°	1848.6	1197.9	1096.0	945.7	741.4	586.0	443.9	202.5	115.5	68.5	36.0
-12.5°	1733.9	1197.2	1096.6	936.0	731.8	579.4	426.6	215.6	127.1	75.0	39.0
-15°	1558.6	1194.3	1096.7	916.8	716.0	569.4	407.4	223.4	136.2	80.9	41.3
-17.5°	1309.5	1189.6	1097.2	887.6	694.0	556.0	387.3	228.6	143.8	86.3	43.9
-20°	1213.4	1157.7	1091.3	848.1	665.3	539.2	367.3	231.2	149.5	90.3	46.4



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1155.7	1102.8	1006.8	810.2	636.2	519.0	348.3	231.1	153.4	92.8	47.7
-25°	1091.1	1045.5	918.5	752.3	610.9	489.2	337.9	228.2	155.3	93.7	47.6
-27.5°	1026.2	976.9	836.7	694.8	577.0	463.2	332.6	229.3	155.5	92.8	46.1
-30°	960.9	888.9	769.0	642.2	541.3	430.0	323.9	228.0	154.1	91.0	43.1
-32.5°	913.6	812.3	706.1	600.9	502.5	395.5	304.4	224.1	150.3	87.5	41.5
-35°	855.8	750.5	646.9	558.0	462.1	366.4	281.6	217.5	144.1	81.8	40.0
-37.5°	795.2	693.0	599.1	513.5	421.0	335.6	262.6	200.8	135.5	73.8	37.5
-40°	730.6	636.6	551.8	468.1	383.7	303.0	242.1	182.4	124.5	63.5	34.2
-42.5°	664.1	582.1	502.4	422.2	346.6	278.7	220.1	162.3	107.3	56.3	30.0
-45°	601.9	525.7	451.4	380.3	309.7	253.1	196.1	140.7	88.7	50.4	26.7
-47.5°	537.9	469.6	403.5	338.0	280.2	225.5	170.2	119.0	69.4	43.3	25.5
-50°	477.5	416.7	358.2	302.4	249.7	194.9	143.3	96.3	59.2	34.4	24.1
-52.5°	427.4	369.1	317.6	268.2	215.0	162.5	117.4	74.0	48.1	30.0	22.5
-55°	380.6	325.7	279.7	228.8	177.5	132.3	90.7	60.2	36.2	27.5	20.7
-57.5°	337.4	285.1	234.5	185.3	141.4	101.8	70.0	45.6	31.2	24.9	19.7
-60°	291.0	233.8	184.4	143.5	105.6	75.3	52.1	34.1	28.2	22.5	18.4
-62.5°	227.2	178.2	137.6	102.1	75.8	54.4	36.1	30.7	25.1	21.0	17.1
-65°	164.1	125.2	91.5	71.7	52.1	37.3	32.3	27.2	23.1	19.4	15.8
-67.5°	101.3	81.4	62.8	45.2	37.5	32.7	28.3	24.7	21.2	17.7	14.9
-70°	64.8	48.4	40.9	36.5	32.2	28.3	25.6	22.5	19.3	16.6	14.0
-72.5°	41.6	37.9	34.2	30.5	28.1	25.6	23.1	20.5	18.0	15.5	13.0
-75°	34.1	31.5	29.4	27.4	25.1	22.9	20.9	19.1	16.7	14.4	12.3
-77.5°	28.4	26.8	25.5	23.9	21.9	20.2	18.9	17.6	15.4	13.5	11.7
-80°	23.4	22.3	21.1	19.7	18.4	17.5	16.9	16.1	14.3	12.6	11.1
-82.5°	19.1	18.1	17.2	16.4	16.0	15.5	15.1	14.6	13.1	11.7	10.5
-85°	15.5	15.0	14.5	14.2	13.9	13.6	13.3	13.0	11.9	11.0	10.3
-87.5°	12.8	12.6	12.3	11.9	11.8	11.6	11.5	11.3	10.8	10.4	10.0
-90°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.3	6.8	7.3



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.7	9.2	8.8	8.3	7.8	7.8	7.8
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
82.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
75°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
72.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
70°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
67.5°	7.9	7.8	7.8	7.8	7.8	7.8	7.8
65°	7.9	7.9	7.8	7.8	7.8	7.8	7.8
62.5°	8.0	8.0	7.8	7.8	7.8	7.8	7.8
60°	8.2	8.2	7.8	7.8	7.8	7.8	7.8
57.5°	8.5	8.4	8.0	7.8	7.8	7.8	7.8
55°	8.9	8.6	8.2	7.8	7.9	7.8	7.8
52.5°	9.2	8.8	8.4	7.8	7.9	7.8	7.8
50°	9.5	9.0	8.6	7.8	7.9	7.8	7.8
47.5°	9.7	9.2	8.8	7.8	8.0	7.8	7.8
45°	9.7	9.3	9.0	8.0	8.0	7.8	7.8
42.5°	9.7	9.5	9.3	8.2	8.1	7.8	7.8
40°	9.7	9.6	9.4	8.4	8.2	7.8	7.8
37.5°	9.7	9.7	9.5	8.6	8.2	7.8	7.8
35°	9.7	9.7	9.6	8.8	8.3	7.8	7.8
32.5°	9.8	9.7	9.7	9.0	8.4	7.8	7.8
30°	10.0	9.7	9.7	9.1	8.5	7.8	7.8
27.5°	10.2	9.7	9.7	9.2	8.6	7.8	7.8
25°	10.4	9.7	9.7	9.4	8.7	7.8	7.8
22.5°	10.7	9.7	9.7	9.4	8.8	7.8	7.8
20°	10.9	9.9	9.7	9.5	8.9	7.8	7.8
17.5°	11.3	10.1	9.7	9.6	9.0	7.8	7.8
15°	11.7	10.3	9.7	9.6	9.1	7.8	7.8
12.5°	12.1	10.5	9.7	9.7	9.2	7.8	7.8
10°	12.4	10.7	9.7	9.7	9.3	7.8	7.8
7.5°	12.7	11.0	9.7	9.7	9.4	7.8	7.8
5°	13.0	11.2	9.7	9.7	9.5	7.8	7.8
2.5°	13.3	11.5	9.7	9.7	9.6	7.8	7.8
0°	13.6	11.7	9.7	9.7	9.7	7.8	7.8
-2.5°	15.1	12.1	9.9	9.8	9.7	7.8	7.8
-5°	16.6	12.5	10.1	10.0	9.7	7.9	7.8
-7.5°	18.0	12.9	10.2	10.1	9.7	7.9	7.8
-10°	19.3	13.2	10.4	10.2	9.7	8.0	7.8
-12.5°	20.3	13.5	10.6	10.3	9.6	8.0	7.8
-15°	21.2	13.7	10.7	10.4	9.6	8.0	7.8
-17.5°	21.8	13.9	10.9	10.5	9.6	8.1	7.8
-20°	22.5	14.0	11.1	10.5	9.5	8.1	7.8



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	23.3	14.0	11.2	10.6	9.5	8.1	7.8
-25°	23.6	14.2	11.4	10.6	9.5	8.2	7.8
-27.5°	23.4	14.4	11.6	10.6	9.5	8.2	7.8
-30°	22.7	14.5	11.7	10.6	9.4	8.2	7.8
-32.5°	21.4	14.5	11.9	10.6	9.4	8.2	7.8
-35°	20.8	14.3	12.1	10.5	9.4	8.2	7.8
-37.5°	20.6	14.2	12.2	10.4	9.4	8.3	7.8
-40°	20.2	14.4	12.3	10.3	9.4	8.3	7.8
-42.5°	19.6	14.4	12.3	10.1	9.4	8.3	7.8
-45°	18.8	14.4	12.1	10.0	9.4	8.3	7.8
-47.5°	17.9	14.3	11.9	9.9	9.4	8.3	7.8
-50°	17.5	14.0	11.7	9.8	9.4	8.3	7.8
-52.5°	17.0	13.7	11.4	9.9	9.4	8.3	7.8
-55°	16.4	13.3	11.1	9.9	9.4	8.2	7.8
-57.5°	15.6	12.9	10.8	9.9	9.4	8.2	7.8
-60°	14.8	12.4	10.4	9.8	9.4	8.2	7.8
-62.5°	14.1	11.9	10.4	9.8	9.4	8.2	7.8
-65°	13.3	11.3	10.3	9.8	9.3	8.2	7.8
-67.5°	12.5	10.9	10.1	9.8	9.1	8.1	7.8
-70°	11.6	10.6	10.0	9.7	9.0	8.1	7.8
-72.5°	11.2	10.4	9.9	9.6	8.9	8.1	7.8
-75°	10.7	10.1	9.7	9.4	8.7	8.0	7.8
-77.5°	10.2	9.8	9.6	9.2	8.6	8.0	7.8
-80°	9.8	9.6	9.4	9.0	8.4	8.0	7.8
-82.5°	9.7	9.5	9.2	8.8	8.3	7.9	7.8
-85°	9.7	9.4	9.1	8.6	8.1	7.9	7.8
-87.5°	9.7	9.3	8.9	8.5	8.0	7.8	7.8
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8

(END OF REPORT)

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)



Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report

