

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: P701327 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701327 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0320L-40-70-4S-CV1-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

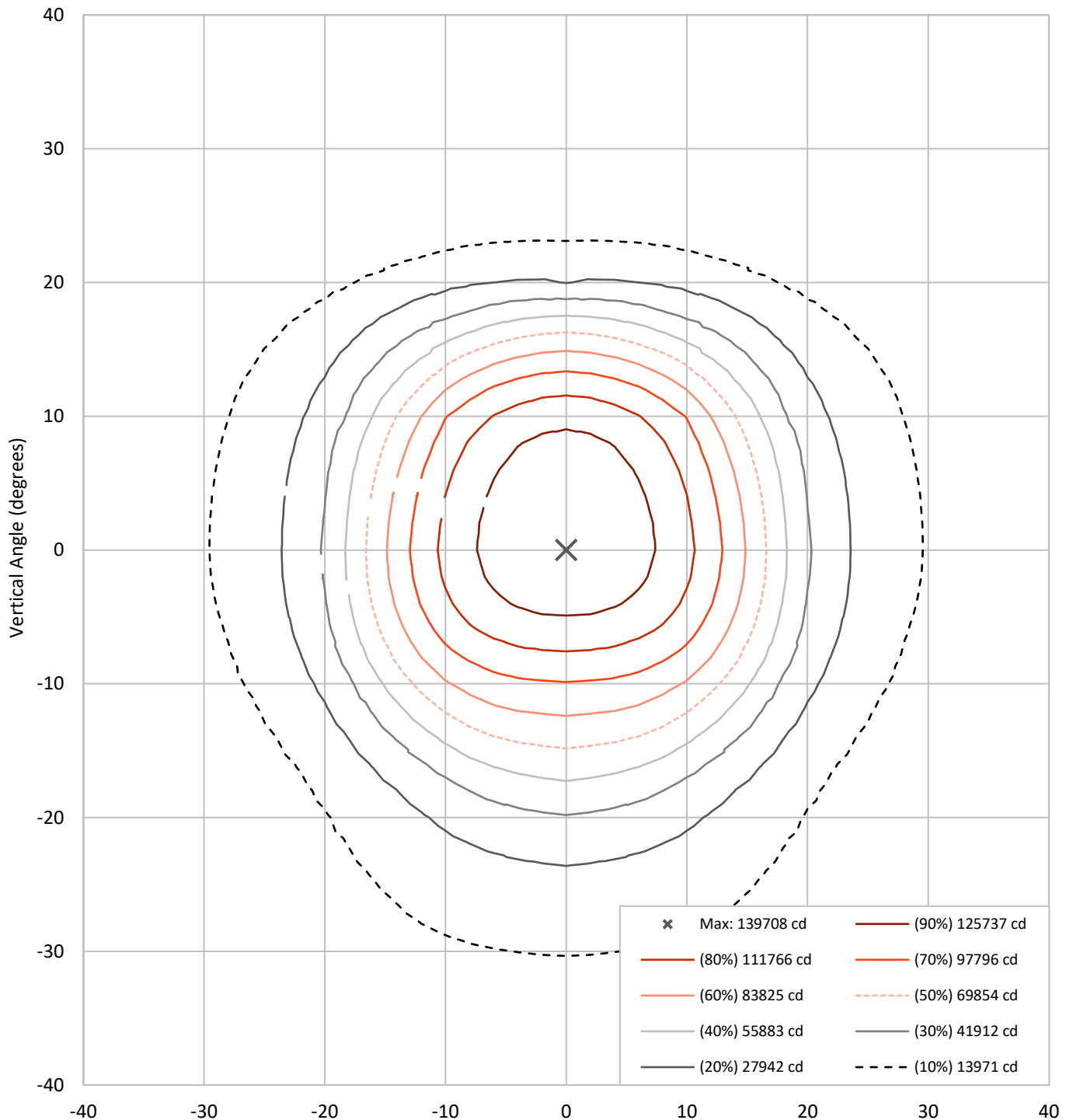
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	47601.4 lumens	Max Intensity:	139708 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	138.3 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:	26016 lumens	Field Lumens:	41920.3 lumens
Beam Efficiency:	54.7%	Field Efficiency:	88.1%

Input Watts (W): 344.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Iso-Candela Plot





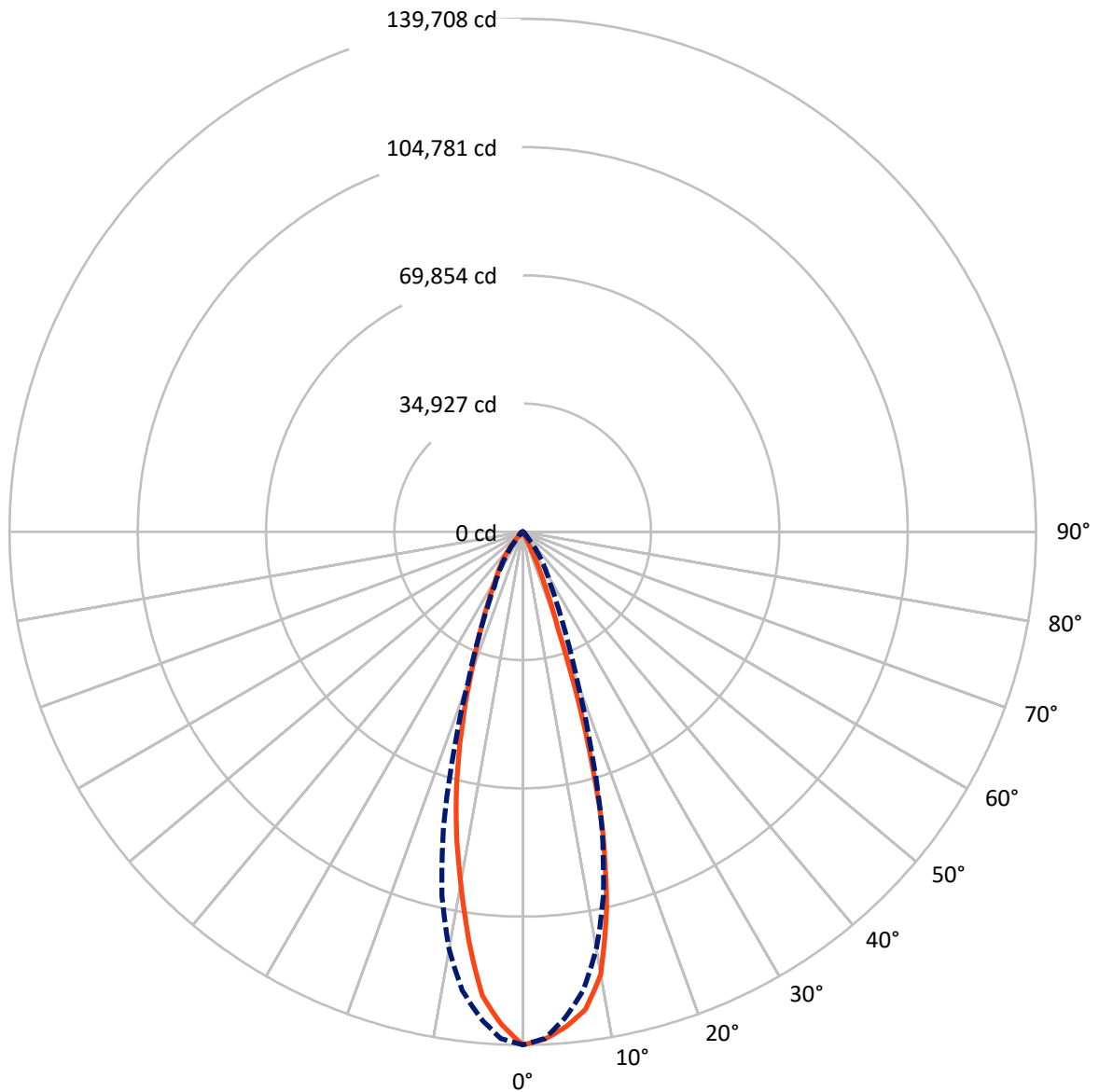
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### Lumen Table

90																			
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	4.5	6.8	8.4	8.4	6.8	4.5	2.6	1.4	0.5	0.1				
20	0.1	0.3	2.3	7.1	28.3	88.2	176.7	286.8	286.8	176.7	88.2	28.3	7.1	2.3	0.3	0.1			
10		0.7	5.3	17.3	116.8	398.8	1190.3	2219.2	2219.2	1190.3	398.8	116.8	17.3	5.3	0.7				
0	0.1	1.2	7.3	24.6	181.9	648.0	2222.2	3806.2	3806.2	2222.2	648.0	181.9	24.6	7.3	1.2	0.1			
-10		1.5	7.8	25.3	179.6	625.1	2150.9	3542.9	3542.9	2150.9	625.1	179.6	25.3	7.8	1.5				
-20	0.3	1.8	7.4	19.5	106.8	353.2	1085.5	1934.9	1934.9	1085.5	353.2	106.8	19.5	7.4	1.8	0.3			
-30		1.8	7.1	15.1	50.3	191.5	441.1	703.7	703.7	441.1	191.5	50.3	15.1	7.1	1.8				
-40	0.2	1.5	6.4	12.9	24.8	71.1	178.1	270.6	270.6	178.1	71.1	24.8	12.9	6.4	1.5	0.2			
-50		1.0	4.7	11.0	18.6	28.3	43.1	58.5	58.5	43.1	28.3	18.6	11.0	4.7	1.0				
-60	0.1	0.5	2.4	7.2	13.9	20.1	25.8	29.5	29.5	25.8	20.1	13.9	7.2	2.4	0.5	0.1			
-70		0.2	0.8	2.6	5.6	9.3	13.2	15.3	15.3	13.2	9.3	5.6	2.6	0.8	0.2				
-80	0.1	0.4		1.8		4.5		5.9		4.5		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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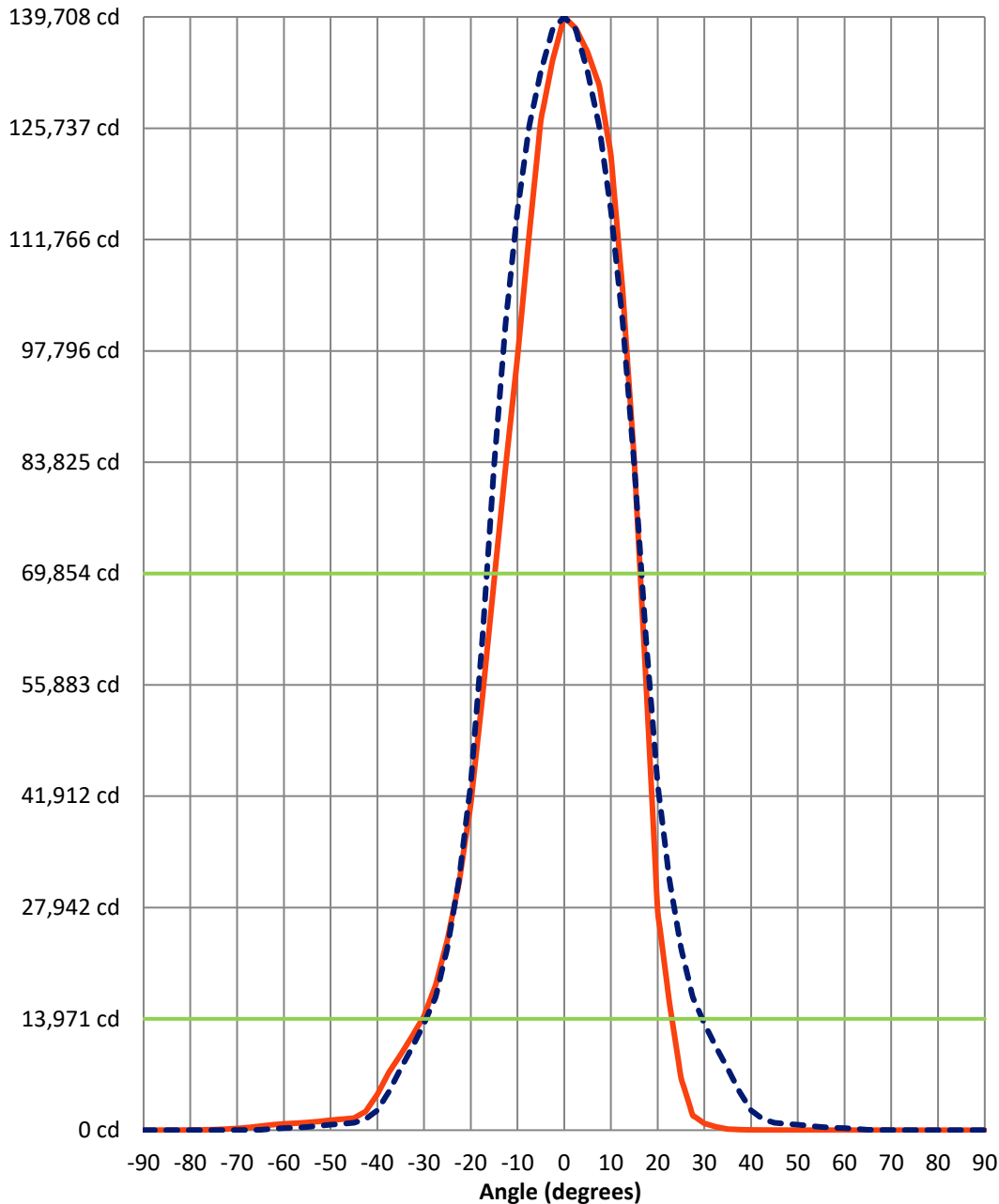
### Luminous Intensity Polar Plot



— 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: 26016  
 Efficiency: 54.7%

**Field:**  
 H Angle: 59.1°  
 V Angle: 53.4°  
 Lumens: 41920.3  
 Efficiency: 88.1%

**Spill:**  
 Lumens: 5681.1  
 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	8.7
32.5°	2.4	2.3	2.4	2.4	2.4	2.4	2.4	3.0	4.6	7.0	9.6
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	11.9
25°	2.4	2.4	2.4	2.4	2.4	2.4	2.8	4.1	6.4	9.6	13.3
22.5°	2.4	2.4	2.4	2.4	2.4	2.4	3.0	4.5	7.0	10.7	16.1
20°	2.4	2.4	2.4	2.4	2.4	2.5	3.1	4.8	7.6	11.8	19.2
17.5°	2.4	2.4	2.4	2.4	2.4	2.6	3.4	5.1	8.1	12.9	22.5
15°	2.4	2.4	2.4	2.4	2.4	2.7	3.6	5.6	8.6	14.1	25.9
12.5°	2.4	2.4	2.4	2.4	2.4	2.9	3.8	6.1	9.4	15.2	29.3
10°	2.4	2.4	2.4	2.4	2.4	3.0	4.0	6.6	10.5	17.3	32.8
7.5°	2.4	2.4	2.4	2.4	2.4	3.2	4.3	7.1	11.5	19.4	36.6
5°	2.4	2.4	2.4	2.4	2.4	3.3	4.5	7.6	12.6	21.5	40.0
2.5°	2.4	2.4	2.4	2.4	2.4	3.5	4.6	8.0	13.6	23.5	43.2
0°	2.4	2.4	2.4	2.4	2.4	3.6	4.8	8.4	14.5	25.3	45.9
-2.5°	2.4	2.4	2.4	2.4	2.5	4.0	5.9	10.7	19.5	34.2	59.1
-5°	2.4	2.4	2.4	2.4	2.6	4.4	7.0	12.8	24.2	42.7	71.7
-7.5°	2.4	2.4	2.4	2.4	2.7	4.7	8.0	14.8	28.6	50.6	83.4
-10°	2.4	2.4	2.4	2.4	2.8	5.0	9.0	16.7	32.6	57.7	94.0
-12.5°	2.4	2.4	2.4	2.4	2.9	5.3	9.8	18.3	35.9	63.8	103.3
-15°	2.4	2.4	2.4	2.4	2.9	5.5	10.5	19.7	38.6	68.4	111.0
-17.5°	2.4	2.4	2.4	2.4	3.0	5.6	11.0	21.0	40.7	71.9	116.7
-20°	2.4	2.4	2.4	2.4	3.0	5.7	11.5	22.1	42.0	74.1	120.2



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

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	2.4	2.4	2.4	2.4	3.0	5.7	11.9	22.8	42.5	74.9	121.2
-25°	2.4	2.4	2.4	2.4	3.0	5.8	12.1	23.2	42.0	74.2	119.7
-27.5°	2.4	2.4	2.4	2.4	3.0	5.8	12.0	23.0	40.6	72.6	118.6
-30°	2.4	2.4	2.4	2.4	3.0	5.7	11.7	22.5	39.7	70.9	115.6
-32.5°	2.4	2.4	2.4	2.4	3.0	5.4	11.1	21.9	38.9	67.8	110.4
-35°	2.4	2.4	2.4	2.4	3.0	5.1	10.7	21.2	37.5	63.4	103.0
-37.5°	2.4	2.4	2.4	2.4	3.0	4.8	10.2	20.1	35.4	57.6	93.8
-40°	2.4	2.4	2.4	2.4	3.0	4.8	9.6	18.5	32.6	53.5	84.6
-42.5°	2.4	2.4	2.4	2.4	3.0	4.8	8.9	16.5	30.0	48.8	74.1
-45°	2.4	2.4	2.4	2.4	3.1	4.7	7.9	14.7	27.2	43.4	63.1
-47.5°	2.4	2.4	2.4	2.5	3.1	4.6	6.8	13.4	23.9	37.5	56.4
-50°	2.4	2.4	2.4	2.5	3.1	4.4	6.4	11.8	19.8	32.7	49.0
-52.5°	2.4	2.4	2.4	2.5	3.1	4.2	6.2	9.9	16.7	27.3	41.3
-55°	2.4	2.4	2.4	2.5	3.0	4.1	5.9	8.1	14.2	21.3	34.3
-57.5°	2.4	2.4	2.4	2.5	2.9	4.0	5.6	7.7	11.5	17.6	26.8
-60°	2.4	2.4	2.4	2.5	2.8	3.8	5.3	7.2	9.2	14.4	20.2
-62.5°	2.4	2.4	2.4	2.5	2.8	3.6	4.9	6.6	8.5	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	10.5
-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	7.3
67.5°	2.3	2.2	2.2	2.5	3.4	4.5	6.0	7.9	9.9	10.6	11.3
65°	2.4	2.4	2.7	3.5	4.7	6.5	8.6	10.9	14.1	15.8	16.6
62.5°	2.4	2.6	3.2	4.5	6.5	8.7	11.4	15.1	19.4	22.2	22.1
60°	2.4	2.7	4.0	6.0	8.2	10.9	14.4	19.4	25.6	30.0	27.0
57.5°	2.4	3.2	5.2	7.4	9.8	12.7	17.7	23.8	29.5	35.4	30.3
55°	2.7	4.1	6.2	8.6	11.5	15.0	19.8	24.6	30.8	33.1	27.7
52.5°	3.7	5.0	7.1	9.9	13.4	16.2	18.8	23.1	25.5	26.5	22.8
50°	4.6	6.1	8.0	11.4	14.4	16.0	16.3	19.0	20.1	19.2	17.4
47.5°	5.6	7.2	9.2	12.5	14.5	15.2	14.7	15.2	15.1	14.9	12.6
45°	6.7	8.5	10.7	12.9	14.4	14.2	14.0	12.3	13.9	13.5	12.4
42.5°	7.8	9.8	11.9	13.4	13.8	14.5	14.4	14.9	15.0	15.7	16.9
40°	8.8	10.9	13.3	14.4	14.0	16.3	19.5	21.1	19.0	22.9	26.3
37.5°	9.8	12.4	15.6	18.0	16.6	21.5	26.8	35.3	36.5	33.9	43.3
35°	10.6	14.1	20.6	26.3	27.8	30.1	44.9	58.4	66.9	62.0	69.1
32.5°	11.9	16.0	27.5	40.0	49.9	52.7	68.3	96.8	113.3	116.2	111.5
30°	13.9	22.4	37.9	57.3	79.5	99.3	113.1	145.6	172.6	202.2	219.7
27.5°	17.0	30.8	54.5	84.6	118.0	155.1	186.0	211.1	260.6	310.9	354.1
25°	20.6	47.9	73.5	118.7	171.8	223.1	266.0	304.4	369.7	448.1	579.3
22.5°	29.6	69.8	105.2	157.0	231.6	296.5	354.5	414.1	493.8	599.5	873.9
20°	45.6	97.1	141.4	196.6	293.3	373.1	446.6	521.6	621.4	842.7	1444.8
17.5°	64.0	125.7	176.2	240.1	339.4	440.8	541.6	624.3	745.2	1071.7	2073.6
15°	84.2	155.1	207.6	280.0	383.0	493.3	606.0	724.3	908.6	1377.0	2670.3
12.5°	105.5	184.8	236.0	316.2	423.9	543.3	657.6	785.7	1056.1	1840.0	3429.6
10°	127.4	214.4	261.5	348.7	461.9	590.1	703.7	837.5	1171.7	2136.4	3959.8
7.5°	141.3	235.4	282.4	377.6	496.6	633.4	744.5	880.1	1269.7	2324.5	4330.4
5°	151.8	246.1	289.3	390.6	519.4	665.0	776.0	914.3	1348.6	2416.5	4586.5
2.5°	159.9	254.5	294.8	398.5	533.3	679.7	785.4	927.2	1381.3	2472.1	4763.9
0°	165.3	260.6	299.2	403.0	543.0	689.0	790.3	933.9	1386.4	2488.0	4850.5
-2.5°	174.4	265.4	308.2	411.2	548.1	691.9	794.4	939.2	1406.7	2562.4	4982.7
-5°	181.0	268.2	315.9	416.2	548.8	689.7	794.4	937.9	1394.9	2536.6	4815.9
-7.5°	185.5	269.4	321.9	417.9	541.6	674.6	778.2	911.2	1321.7	2373.4	4363.0
-10°	188.8	273.3	329.6	415.3	525.5	650.1	755.4	878.7	1227.4	2144.2	3838.2
-12.5°	193.9	279.7	337.0	411.6	508.7	621.9	728.9	841.0	1113.1	1849.0	3244.9
-15°	196.4	285.0	343.9	407.2	492.3	590.6	698.8	798.5	985.0	1492.9	2586.3
-17.5°	196.5	289.4	350.5	402.8	477.1	556.6	668.8	767.7	894.7	1273.8	2127.2
-20°	194.0	293.1	356.8	398.8	464.5	535.6	644.3	746.0	857.8	1109.8	1671.8



REPORT NUMBER: P701327 (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°	189.0	296.3	361.0	402.0	459.8	526.8	616.2	720.0	819.5	934.7	1324.1
-25°	185.7	288.4	361.5	405.3	455.0	517.5	586.0	689.4	783.6	894.6	1140.9
-27.5°	183.5	277.5	354.9	406.0	448.9	508.4	568.6	653.5	756.2	859.3	971.9
-30°	177.8	257.6	345.7	402.3	446.5	500.0	556.7	620.7	724.7	824.6	928.3
-32.5°	166.5	236.8	325.3	390.2	442.5	490.8	544.7	602.3	684.6	787.7	882.9
-35°	153.4	220.7	300.2	375.0	434.6	481.6	530.9	585.2	645.9	739.5	845.4
-37.5°	141.2	201.9	274.4	352.6	415.2	472.0	515.0	566.5	622.9	687.4	793.2
-40°	126.8	180.6	250.2	323.8	394.0	456.3	504.7	546.0	598.1	663.8	729.4
-42.5°	110.7	162.1	224.1	294.2	363.8	430.2	492.8	533.1	579.1	640.4	703.2
-45°	97.4	141.2	196.1	261.1	328.0	397.3	461.0	523.9	567.9	617.1	676.8
-47.5°	82.6	119.6	169.9	225.3	289.1	354.9	423.2	488.5	555.8	602.8	649.6
-50°	68.4	101.3	140.8	191.7	247.3	309.4	373.6	445.4	513.1	578.7	632.9
-52.5°	59.4	81.2	116.7	157.8	207.2	261.2	322.5	388.9	458.7	528.3	587.9
-55°	49.7	68.1	92.5	127.6	168.0	215.4	268.0	328.8	392.2	458.8	522.0
-57.5°	40.4	56.3	74.3	98.9	133.1	170.5	216.1	266.2	323.0	382.1	434.9
-60°	31.0	44.5	60.0	77.8	99.5	131.6	164.3	205.7	253.0	300.6	346.7
-62.5°	22.0	33.0	46.0	60.7	77.8	95.1	121.3	151.5	182.9	221.5	259.7
-65°	17.6	22.8	32.4	44.7	57.8	72.8	88.3	104.2	129.8	155.4	179.8
-67.5°	13.0	17.6	22.5	28.9	40.1	51.2	63.3	77.2	91.2	104.2	119.8
-70°	11.0	12.7	16.4	20.9	25.3	30.5	40.2	50.7	61.5	71.7	82.6
-72.5°	9.5	11.0	12.6	14.1	17.5	20.8	23.9	26.7	32.9	41.4	49.7
-75°	8.1	9.3	10.8	12.2	13.3	14.3	15.6	18.2	20.8	23.3	25.6
-77.5°	6.8	7.7	8.8	10.0	11.0	11.7	12.5	13.4	14.5	15.8	17.1
-80°	5.6	6.0	6.6	7.4	8.2	9.0	9.7	10.2	10.9	11.8	12.7
-82.5°	4.5	4.8	5.1	5.3	5.8	6.3	7.0	7.6	8.0	8.5	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: P701327 (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°	7.7	8.0	7.9	7.6	6.9	6.2	5.7	5.2	4.7	4.4	4.2
67.5°	11.9	12.0	11.4	10.2	8.5	7.0	6.4	5.7	5.1	4.9	5.2
65°	16.5	15.0	13.2	11.2	9.1	7.1	6.6	6.2	5.8	5.8	6.3
62.5°	20.4	16.5	13.2	10.9	8.9	7.1	6.5	6.0	5.5	5.2	5.1
60°	22.5	16.6	11.9	9.8	8.0	6.3	5.5	5.2	4.9	4.8	4.8
57.5°	22.6	15.6	10.4	8.5	6.8	5.3	4.8	4.8	4.8	4.8	4.8
55°	20.1	13.6	8.8	7.3	6.2	5.3	4.8	5.0	5.0	4.8	5.1
52.5°	15.7	11.3	8.2	6.8	6.3	6.0	5.9	5.8	5.7	5.6	5.8
50°	12.5	9.4	7.9	7.1	7.1	7.1	7.1	7.2	7.4	7.5	7.5
47.5°	10.5	8.8	8.9	8.2	8.5	9.3	9.5	9.6	9.9	10.0	9.8
45°	10.7	12.4	12.8	12.6	12.5	14.2	14.1	12.9	14.5	14.9	14.6
42.5°	17.8	19.2	20.2	21.1	22.2	23.5	24.2	23.8	25.2	25.2	23.6
40°	30.0	28.6	30.8	33.6	36.0	36.9	39.2	41.6	42.5	42.0	40.5
37.5°	49.2	47.0	47.2	53.4	59.0	52.3	62.2	66.1	63.7	72.4	74.2
35°	81.7	90.3	77.9	99.8	110.8	105.4	117.2	140.4	122.4	155.3	163.4
32.5°	145.2	166.0	179.0	197.6	224.9	260.8	269.9	327.2	345.5	372.1	400.7
30°	237.3	296.0	403.9	423.9	450.0	573.9	607.9	639.1	704.3	754.6	840.0
27.5°	431.2	589.2	814.9	1013.6	999.1	1208.6	1441.9	1180.8	1568.2	1412.7	1784.4
25°	807.5	1155.9	1700.1	2226.6	2478.0	2905.0	3439.0	3337.9	4042.5	4091.4	5130.6
22.5°	1535.7	2292.7	3124.9	4020.1	4888.4	5849.4	6772.9	7741.0	9196.5	11207.5	13162.0
20°	2512.7	3625.7	4969.7	6355.7	7825.5	9320.1	11056.6	13997.1	17012.1	21197.2	24153.8
17.5°	3571.3	5342.7	6992.6	8709.8	10764.6	13249.0	16840.8	21865.3	27959.7	34215.8	39055.4
15°	4496.0	6499.9	8878.1	11167.5	13722.6	17451.7	23093.0	30535.4	39598.5	49109.1	60609.5
12.5°	5390.7	7483.9	10068.3	12964.1	16436.2	21773.6	29086.2	39143.7	51150.2	65441.6	80212.6
10°	6085.1	8381.8	11258.2	14519.3	18757.2	25312.6	33810.4	45684.6	63476.4	80347.3	97214.8
7.5°	6627.7	9211.3	12258.2	15680.8	20615.3	27996.8	38163.6	53111.0	71909.6	90163.3	105699.5
5°	7109.9	9893.5	12935.7	16335.5	21953.0	29949.7	40897.9	57968.5	78029.1	95969.0	110753.0
2.5°	7489.8	10339.5	13307.9	16663.4	22814.0	31027.8	42339.9	60575.3	81973.6	99685.0	113801.7
0°	7719.8	10418.9	13370.3	16733.1	22879.4	31516.3	43465.2	61716.1	83380.5	101503.5	115387.9
-2.5°	7637.4	10240.8	13167.9	16528.4	22663.7	31058.5	42560.0	61138.1	82188.3	99144.1	113108.0
-5°	7226.8	9658.0	12376.1	15537.8	21232.2	29319.4	39994.3	56935.5	76721.7	93648.8	106788.9
-7.5°	6579.5	8843.5	11338.9	14266.0	19190.2	26498.1	36225.8	50642.5	68604.6	84223.1	96081.4
-10°	5855.4	7899.1	10061.3	12653.8	16502.9	22706.0	30829.4	41837.7	57242.6	71285.5	82497.7
-12.5°	4985.0	6685.3	8502.8	10738.6	13655.9	18713.0	25542.8	34472.7	45183.8	57680.1	67887.6
-15°	4080.4	5509.9	7014.2	9111.4	11599.5	14820.9	19730.2	26829.4	34780.1	43315.2	52576.6
-17.5°	3276.7	4486.9	6082.0	7848.4	9744.7	11986.4	16045.5	20883.7	26637.6	32725.4	38314.9
-20°	2632.2	3915.8	5348.7	6884.8	8627.3	10782.9	13276.4	16952.1	21219.1	25892.4	30370.1



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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°	2165.3	3316.4	4647.0	6087.9	7850.7	9791.3	11810.7	14117.5	17179.7	20772.6	24212.4
-25°	1649.2	2611.1	3901.9	5355.1	6979.0	8690.3	10329.5	12210.0	14448.6	16786.3	19195.0
-27.5°	1307.2	1986.3	3046.1	4410.7	5913.3	7253.2	8657.6	10223.5	12181.1	14215.0	15555.2
-30°	1066.9	1464.5	2260.1	3326.3	4582.1	5764.5	6917.6	8324.9	9861.7	11321.4	12506.2
-32.5°	996.7	1174.6	1586.2	2346.1	3289.3	4344.7	5379.9	6636.1	7828.8	8984.0	10002.6
-35°	947.1	1060.8	1216.1	1612.5	2180.7	3038.3	3984.1	5047.1	6123.7	7056.8	7920.8
-37.5°	900.9	999.6	1102.4	1204.7	1524.5	1917.1	2583.1	3423.9	4240.5	4995.7	5739.4
-40°	835.0	943.2	1026.2	1113.6	1208.8	1316.9	1665.4	2009.0	2408.7	2987.8	3495.1
-42.5°	765.1	855.2	949.8	1031.6	1111.2	1194.2	1282.1	1369.4	1552.2	1779.4	1965.5
-45°	735.9	790.1	855.0	940.5	1020.4	1095.1	1166.5	1235.7	1308.7	1375.4	1429.9
-47.5°	700.9	750.2	802.8	858.5	917.2	989.2	1059.9	1130.3	1194.2	1253.6	1301.0
-50°	668.6	707.3	754.3	801.7	848.6	897.0	945.8	1000.1	1061.1	1121.2	1170.7
-52.5°	642.2	677.7	711.3	744.9	785.7	826.6	867.6	910.9	952.6	992.0	1022.8
-55°	578.0	628.0	677.2	709.0	736.4	764.3	795.4	834.1	871.1	906.1	926.7
-57.5°	490.7	548.6	601.7	639.2	677.6	716.4	748.4	776.1	804.1	830.8	845.4
-60°	393.6	441.2	489.3	533.9	576.6	616.9	654.2	690.6	724.3	752.6	769.8
-62.5°	297.4	336.9	376.0	413.4	449.3	484.3	524.1	562.5	599.0	628.8	647.1
-65°	207.1	239.4	269.8	298.8	326.7	356.5	387.4	417.5	446.4	469.4	484.4
-67.5°	140.8	160.8	178.9	196.1	217.3	240.2	263.0	284.1	303.4	318.3	328.9
-70°	93.6	104.2	113.7	125.0	138.8	152.7	166.8	179.8	191.7	200.7	207.3
-72.5°	57.6	65.0	71.9	79.4	86.4	93.8	101.4	108.9	116.1	121.3	125.2
-75°	27.7	31.1	37.2	42.8	47.8	52.4	56.6	60.3	63.5	65.6	66.9
-77.5°	18.9	20.5	21.9	23.5	25.0	26.9	28.8	30.6	32.4	33.7	34.9
-80°	13.7	14.5	15.2	15.8	16.3	17.1	17.9	18.8	19.6	20.0	20.2
-82.5°	9.4	10.1	10.7	11.3	11.9	12.5	13.0	13.5	14.0	14.4	14.8
-85°	6.3	6.6	7.0	7.3	7.7	8.2	8.6	9.0	9.4	9.5	9.6
-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



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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	9.8	10.0	9.9	9.6
45°	14.7	14.5	14.4	14.5	14.4	14.5	14.7	14.6	14.9	14.5	12.9
42.5°	24.5	24.9	24.4	22.9	24.4	24.9	24.5	23.6	25.2	25.2	23.8
40°	40.5	38.9	36.8	36.2	36.8	38.9	40.5	40.5	42.0	42.5	41.6
37.5°	75.1	75.0	73.3	72.4	73.3	75.0	75.1	74.2	72.4	63.7	66.1
35°	158.0	156.7	148.1	140.0	148.1	156.7	158.0	163.4	155.3	122.4	140.4
32.5°	410.3	432.0	430.0	417.5	430.0	432.0	410.3	400.7	372.1	345.5	327.2
30°	872.8	911.8	903.6	851.9	903.6	911.8	872.8	840.0	754.6	704.3	639.1
27.5°	1804.1	1895.3	1975.6	1870.2	1975.6	1895.3	1804.1	1784.4	1412.7	1568.2	1180.8
25°	6171.0	6764.5	7115.6	6569.9	7115.6	6764.5	6171.0	5130.6	4091.4	4042.5	3337.9
22.5°	14727.7	15467.3	15862.0	16087.5	15862.0	15467.3	14727.7	13162.0	11207.5	9196.5	7741.0
20°	27015.7	28597.1	29610.1	27569.5	29610.1	28597.1	27015.7	24153.8	21197.2	17012.1	13997.1
17.5°	45769.3	51601.7	54672.4	56340.7	54672.4	51601.7	45769.3	39055.4	34215.8	27959.7	21865.3
15°	69485.0	76947.4	81986.7	83959.7	81986.7	76947.4	69485.0	60609.5	49109.1	39598.5	30535.4
12.5°	91908.5	99608.6	104258.1	105426.8	104258.1	99608.6	91908.5	80212.6	65441.6	51150.2	39143.7
10°	107857.6	115112.9	120461.4	122339.1	120461.4	115112.9	107857.6	97214.8	80347.3	63476.4	45684.6
7.5°	116736.5	125217.5	129931.5	131105.0	129931.5	125217.5	116736.5	105699.5	90163.3	71909.6	53111.0
5°	121846.5	129509.2	134662.2	135287.0	134662.2	129509.2	121846.5	110753.0	95969.0	78029.1	57968.5
2.5°	125141.3	132635.2	136970.8	138245.0	136970.8	132635.2	125141.3	113801.7	99685.0	81973.6	60575.3
0°	125949.8	132840.0	138077.8	139708.0	138077.8	132840.0	125949.8	115387.9	101503.5	83380.5	61716.1
-2.5°	123501.8	130148.8	133637.8	134203.5	133637.8	130148.8	123501.8	113108.0	99144.1	82188.3	61138.1
-5°	117250.4	122166.3	126194.1	126709.3	126194.1	122166.3	117250.4	106788.9	93648.8	76721.7	56935.5
-7.5°	103971.3	109485.8	111713.6	112316.5	111713.6	109485.8	103971.3	96081.4	84223.1	68604.6	50642.5
-10°	89842.5	94566.8	96145.0	96996.9	96145.0	94566.8	89842.5	82497.7	71285.5	57242.6	41837.7
-12.5°	76010.5	80630.1	82182.4	83415.5	82182.4	80630.1	76010.5	67887.6	57680.1	45183.8	34472.7
-15°	60512.8	65061.8	67569.7	68958.1	67569.7	65061.8	60512.8	52576.6	43315.2	34780.1	26829.4
-17.5°	45408.6	49728.8	52647.9	54346.2	52647.9	49728.8	45408.6	38314.9	32725.4	26637.6	20883.7
-20°	34430.5	37354.4	39600.7	40933.7	39600.7	37354.4	34430.5	30370.1	25892.4	21219.1	16952.1



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	26895.4	28920.5	30221.8	31073.4	30221.8	28920.5	26895.4	24212.4	20772.6	17179.7	14117.5
-25°	21020.4	22349.5	23191.0	23879.7	23191.0	22349.5	21020.4	19195.0	16786.3	14448.6	12210.0
-27.5°	16643.7	17356.3	17728.2	18234.1	17728.2	17356.3	16643.7	15555.2	14215.0	12181.1	10223.5
-30°	13379.8	13926.6	14222.3	14331.9	14222.3	13926.6	13379.8	12506.2	11321.4	9861.7	8324.9
-32.5°	10768.5	11285.0	11658.1	11833.1	11658.1	11285.0	10768.5	10002.6	8984.0	7828.8	6636.1
-35°	8591.2	9022.1	9316.2	9477.8	9316.2	9022.1	8591.2	7920.8	7056.8	6123.7	5047.1
-37.5°	6355.2	6828.1	7151.8	7262.5	7151.8	6828.1	6355.2	5739.4	4995.7	4240.5	3423.9
-40°	3899.1	4200.4	4394.8	4476.5	4394.8	4200.4	3899.1	3495.1	2987.8	2408.7	2009.0
-42.5°	2110.5	2221.1	2297.9	2342.0	2297.9	2221.1	2110.5	1965.5	1779.4	1552.2	1369.4
-45°	1465.1	1493.1	1510.8	1517.9	1510.8	1493.1	1465.1	1429.9	1375.4	1308.7	1235.7
-47.5°	1335.7	1365.9	1382.0	1382.8	1382.0	1365.9	1335.7	1301.0	1253.6	1194.2	1130.3
-50°	1209.8	1242.7	1259.3	1260.9	1259.3	1242.7	1209.8	1170.7	1121.2	1061.1	1000.1
-52.5°	1050.7	1076.8	1088.2	1087.1	1088.2	1076.8	1050.7	1022.8	992.0	952.6	910.9
-55°	944.5	960.1	967.0	967.7	967.0	960.1	944.5	926.7	906.1	871.1	834.1
-57.5°	858.5	870.0	874.0	873.6	874.0	870.0	858.5	845.4	830.8	804.1	776.1
-60°	784.7	797.3	800.7	798.8	800.7	797.3	784.7	769.8	752.6	724.3	690.6
-62.5°	662.1	673.5	679.2	680.5	679.2	673.5	662.1	647.1	628.8	599.0	562.5
-65°	496.3	504.9	509.4	510.4	509.4	504.9	496.3	484.4	469.4	446.4	417.5
-67.5°	337.1	342.9	344.7	343.9	344.7	342.9	337.1	328.9	318.3	303.4	284.1
-70°	212.7	216.8	217.8	217.2	217.8	216.8	212.7	207.3	200.7	191.7	179.8
-72.5°	128.5	130.9	131.1	130.3	131.1	130.9	128.5	125.2	121.3	116.1	108.9
-75°	67.7	68.1	68.0	67.6	68.0	68.1	67.7	66.9	65.6	63.5	60.3
-77.5°	36.1	37.0	36.7	36.2	36.7	37.0	36.1	34.9	33.7	32.4	30.6
-80°	20.3	20.4	20.5	20.5	20.5	20.4	20.3	20.2	20.0	19.6	18.8
-82.5°	15.2	15.6	15.1	14.5	15.1	15.6	15.2	14.8	14.4	14.0	13.5
-85°	9.6	9.7	9.7	9.7	9.7	9.7	9.6	9.6	9.5	9.4	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	8.0	7.7	7.3	6.8	6.3	5.0
67.5°	6.4	7.0	8.5	10.2	11.4	12.0	11.9	11.3	10.6	9.9	7.9
65°	6.6	7.1	9.1	11.2	13.2	15.0	16.5	16.6	15.8	14.1	10.9
62.5°	6.5	7.1	8.9	10.9	13.2	16.5	20.4	22.1	22.2	19.4	15.1
60°	5.5	6.3	8.0	9.8	11.9	16.6	22.5	27.0	30.0	25.6	19.4
57.5°	4.8	5.3	6.8	8.5	10.4	15.6	22.6	30.3	35.4	29.5	23.8
55°	4.8	5.3	6.2	7.3	8.8	13.6	20.1	27.7	33.1	30.8	24.6
52.5°	5.9	6.0	6.3	6.8	8.2	11.3	15.7	22.8	26.5	25.5	23.1
50°	7.1	7.1	7.1	7.1	7.9	9.4	12.5	17.4	19.2	20.1	19.0
47.5°	9.5	9.3	8.5	8.2	8.9	8.8	10.5	12.6	14.9	15.1	15.2
45°	14.1	14.2	12.5	12.6	12.8	12.4	10.7	12.4	13.5	13.9	12.3
42.5°	24.2	23.5	22.2	21.1	20.2	19.2	17.8	16.9	15.7	15.0	14.9
40°	39.2	36.9	36.0	33.6	30.8	28.6	30.0	26.3	22.9	19.0	21.1
37.5°	62.2	52.3	59.0	53.4	47.2	47.0	49.2	43.3	33.9	36.5	35.3
35°	117.2	105.4	110.8	99.8	77.9	90.3	81.7	69.1	62.0	66.9	58.4
32.5°	269.9	260.8	224.9	197.6	179.0	166.0	145.2	111.5	116.2	113.3	96.8
30°	607.9	573.9	450.0	423.9	403.9	296.0	237.3	219.7	202.2	172.6	145.6
27.5°	1441.9	1208.6	999.1	1013.6	814.9	589.2	431.2	354.1	310.9	260.6	211.1
25°	3439.0	2905.0	2478.0	2226.6	1700.1	1155.9	807.5	579.3	448.1	369.7	304.4
22.5°	6772.9	5849.4	4888.4	4020.1	3124.9	2292.7	1535.7	873.9	599.5	493.8	414.1
20°	11056.6	9320.1	7825.5	6355.7	4969.7	3625.7	2512.7	1444.8	842.7	621.4	521.6
17.5°	16840.8	13249.0	10764.6	8709.8	6992.6	5342.7	3571.3	2073.6	1071.7	745.2	624.3
15°	23093.0	17451.7	13722.6	11167.5	8878.1	6499.9	4496.0	2670.3	1377.0	908.6	724.3
12.5°	29086.2	21773.6	16436.2	12964.1	10068.3	7483.9	5390.7	3429.6	1840.0	1056.1	785.7
10°	33810.4	25312.6	18757.2	14519.3	11258.2	8381.8	6085.1	3959.8	2136.4	1171.7	837.5
7.5°	38163.6	27996.8	20615.3	15680.8	12258.2	9211.3	6627.7	4330.4	2324.5	1269.7	880.1
5°	40897.9	29949.7	21953.0	16335.5	12935.7	9893.5	7109.9	4586.5	2416.5	1348.6	914.3
2.5°	42339.9	31027.8	22814.0	16663.4	13307.9	10339.5	7489.8	4763.9	2472.1	1381.3	927.2
0°	43465.2	31516.3	22879.4	16733.1	13370.3	10418.9	7719.8	4850.5	2488.0	1386.4	933.9
-2.5°	42560.0	31058.5	22663.7	16528.4	13167.9	10240.8	7637.4	4982.7	2562.4	1406.7	939.2
-5°	39994.3	29319.4	21232.2	15537.8	12376.1	9658.0	7226.8	4815.9	2536.6	1394.9	937.9
-7.5°	36225.8	26498.1	19190.2	14266.0	11338.9	8843.5	6579.5	4363.0	2373.4	1321.7	911.2
-10°	30829.4	22706.0	16502.9	12653.8	10061.3	7899.1	5855.4	3838.2	2144.2	1227.4	878.7
-12.5°	25542.8	18713.0	13655.9	10738.6	8502.8	6685.3	4985.0	3244.9	1849.0	1113.1	841.0
-15°	19730.2	14820.9	11599.5	9111.4	7014.2	5509.9	4080.4	2586.3	1492.9	985.0	798.5
-17.5°	16045.5	11986.4	9744.7	7848.4	6082.0	4486.9	3276.7	2127.2	1273.8	894.7	767.7
-20°	13276.4	10782.9	8627.3	6884.8	5348.7	3915.8	2632.2	1671.8	1109.8	857.8	746.0





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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	11810.7	9791.3	7850.7	6087.9	4647.0	3316.4	2165.3	1324.1	934.7	819.5	720.0
-25°	10329.5	8690.3	6979.0	5355.1	3901.9	2611.1	1649.2	1140.9	894.6	783.6	689.4
-27.5°	8657.6	7253.2	5913.3	4410.7	3046.1	1986.3	1307.2	971.9	859.3	756.2	653.5
-30°	6917.6	5764.5	4582.1	3326.3	2260.1	1464.5	1066.9	928.3	824.6	724.7	620.7
-32.5°	5379.9	4344.7	3289.3	2346.1	1586.2	1174.6	996.7	882.9	787.7	684.6	602.3
-35°	3984.1	3038.3	2180.7	1612.5	1216.1	1060.8	947.1	845.4	739.5	645.9	585.2
-37.5°	2583.1	1917.1	1524.5	1204.7	1102.4	999.6	900.9	793.2	687.4	622.9	566.5
-40°	1665.4	1316.9	1208.8	1113.6	1026.2	943.2	835.0	729.4	663.8	598.1	546.0
-42.5°	1282.1	1194.2	1111.2	1031.6	949.8	855.2	765.1	703.2	640.4	579.1	533.1
-45°	1166.5	1095.1	1020.4	940.5	855.0	790.1	735.9	676.8	617.1	567.9	523.9
-47.5°	1059.9	989.2	917.2	858.5	802.8	750.2	700.9	649.6	602.8	555.8	488.5
-50°	945.8	897.0	848.6	801.7	754.3	707.3	668.6	632.9	578.7	513.1	445.4
-52.5°	867.6	826.6	785.7	744.9	711.3	677.7	642.2	587.9	528.3	458.7	388.9
-55°	795.4	764.3	736.4	709.0	677.2	628.0	578.0	522.0	458.8	392.2	328.8
-57.5°	748.4	716.4	677.6	639.2	601.7	548.6	490.7	434.9	382.1	323.0	266.2
-60°	654.2	616.9	576.6	533.9	489.3	441.2	393.6	346.7	300.6	253.0	205.7
-62.5°	524.1	484.3	449.3	413.4	376.0	336.9	297.4	259.7	221.5	182.9	151.5
-65°	387.4	356.5	326.7	298.8	269.8	239.4	207.1	179.8	155.4	129.8	104.2
-67.5°	263.0	240.2	217.3	196.1	178.9	160.8	140.8	119.8	104.2	91.2	77.2
-70°	166.8	152.7	138.8	125.0	113.7	104.2	93.6	82.6	71.7	61.5	50.7
-72.5°	101.4	93.8	86.4	79.4	71.9	65.0	57.6	49.7	41.4	32.9	26.7
-75°	56.6	52.4	47.8	42.8	37.2	31.1	27.7	25.6	23.3	20.8	18.2
-77.5°	28.8	26.9	25.0	23.5	21.9	20.5	18.9	17.1	15.8	14.5	13.4
-80°	17.9	17.1	16.3	15.8	15.2	14.5	13.7	12.7	11.8	10.9	10.2
-82.5°	13.0	12.5	11.9	11.3	10.7	10.1	9.4	8.9	8.5	8.0	7.6
-85°	8.6	8.2	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	8.7	6.5	4.5	3.2	2.6	2.4	2.4	2.4	2.4	2.4
60°	14.4	10.9	8.2	6.0	4.0	2.7	2.4	2.4	2.4	2.4	2.4
57.5°	17.7	12.7	9.8	7.4	5.2	3.2	2.4	2.4	2.4	2.4	2.4
55°	19.8	15.0	11.5	8.6	6.2	4.1	2.7	2.4	2.4	2.4	2.4
52.5°	18.8	16.2	13.4	9.9	7.1	5.0	3.7	2.4	2.4	2.4	2.4
50°	16.3	16.0	14.4	11.4	8.0	6.1	4.6	3.1	2.4	2.4	2.4
47.5°	14.7	15.2	14.5	12.5	9.2	7.2	5.6	3.9	2.4	2.4	2.4
45°	14.0	14.2	14.4	12.9	10.7	8.5	6.7	4.7	3.1	2.4	2.4
42.5°	14.4	14.5	13.8	13.4	11.9	9.8	7.8	5.7	3.7	2.5	2.4
40°	19.5	16.3	14.0	14.4	13.3	10.9	8.8	6.7	4.4	2.8	2.5
37.5°	26.8	21.5	16.6	18.0	15.6	12.4	9.8	7.7	5.2	3.4	2.7
35°	44.9	30.1	27.8	26.3	20.6	14.1	10.6	8.7	6.1	4.0	2.8
32.5°	68.3	52.7	49.9	40.0	27.5	16.0	11.9	9.6	7.0	4.6	3.0
30°	113.1	99.3	79.5	57.3	37.9	22.4	13.9	10.6	7.9	5.1	3.2
27.5°	186.0	155.1	118.0	84.6	54.5	30.8	17.0	11.9	8.7	5.7	3.7
25°	266.0	223.1	171.8	118.7	73.5	47.9	20.6	13.3	9.6	6.4	4.1
22.5°	354.5	296.5	231.6	157.0	105.2	69.8	29.6	16.1	10.7	7.0	4.5
20°	446.6	373.1	293.3	196.6	141.4	97.1	45.6	19.2	11.8	7.6	4.8
17.5°	541.6	440.8	339.4	240.1	176.2	125.7	64.0	22.5	12.9	8.1	5.1
15°	606.0	493.3	383.0	280.0	207.6	155.1	84.2	25.9	14.1	8.6	5.6
12.5°	657.6	543.3	423.9	316.2	236.0	184.8	105.5	29.3	15.2	9.4	6.1
10°	703.7	590.1	461.9	348.7	261.5	214.4	127.4	32.8	17.3	10.5	6.6
7.5°	744.5	633.4	496.6	377.6	282.4	235.4	141.3	36.6	19.4	11.5	7.1
5°	776.0	665.0	519.4	390.6	289.3	246.1	151.8	40.0	21.5	12.6	7.6
2.5°	785.4	679.7	533.3	398.5	294.8	254.5	159.9	43.2	23.5	13.6	8.0
0°	790.3	689.0	543.0	403.0	299.2	260.6	165.3	45.9	25.3	14.5	8.4
-2.5°	794.4	691.9	548.1	411.2	308.2	265.4	174.4	59.1	34.2	19.5	10.7
-5°	794.4	689.7	548.8	416.2	315.9	268.2	181.0	71.7	42.7	24.2	12.8
-7.5°	778.2	674.6	541.6	417.9	321.9	269.4	185.5	83.4	50.6	28.6	14.8
-10°	755.4	650.1	525.5	415.3	329.6	273.3	188.8	94.0	57.7	32.6	16.7
-12.5°	728.9	621.9	508.7	411.6	337.0	279.7	193.9	103.3	63.8	35.9	18.3
-15°	698.8	590.6	492.3	407.2	343.9	285.0	196.4	111.0	68.4	38.6	19.7
-17.5°	668.8	556.6	477.1	402.8	350.5	289.4	196.5	116.7	71.9	40.7	21.0
-20°	644.3	535.6	464.5	398.8	356.8	293.1	194.0	120.2	74.1	42.0	22.1



REPORT NUMBER: P701327 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	616.2	526.8	459.8	402.0	361.0	296.3	189.0	121.2	74.9	42.5	22.8
-25°	586.0	517.5	455.0	405.3	361.5	288.4	185.7	119.7	74.2	42.0	23.2
-27.5°	568.6	508.4	448.9	406.0	354.9	277.5	183.5	118.6	72.6	40.6	23.0
-30°	556.7	500.0	446.5	402.3	345.7	257.6	177.8	115.6	70.9	39.7	22.5
-32.5°	544.7	490.8	442.5	390.2	325.3	236.8	166.5	110.4	67.8	38.9	21.9
-35°	530.9	481.6	434.6	375.0	300.2	220.7	153.4	103.0	63.4	37.5	21.2
-37.5°	515.0	472.0	415.2	352.6	274.4	201.9	141.2	93.8	57.6	35.4	20.1
-40°	504.7	456.3	394.0	323.8	250.2	180.6	126.8	84.6	53.5	32.6	18.5
-42.5°	492.8	430.2	363.8	294.2	224.1	162.1	110.7	74.1	48.8	30.0	16.5
-45°	461.0	397.3	328.0	261.1	196.1	141.2	97.4	63.1	43.4	27.2	14.7
-47.5°	423.2	354.9	289.1	225.3	169.9	119.6	82.6	56.4	37.5	23.9	13.4
-50°	373.6	309.4	247.3	191.7	140.8	101.3	68.4	49.0	32.7	19.8	11.8
-52.5°	322.5	261.2	207.2	157.8	116.7	81.2	59.4	41.3	27.3	16.7	9.9
-55°	268.0	215.4	168.0	127.6	92.5	68.1	49.7	34.3	21.3	14.2	8.1
-57.5°	216.1	170.5	133.1	98.9	74.3	56.3	40.4	26.8	17.6	11.5	7.7
-60°	164.3	131.6	99.5	77.8	60.0	44.5	31.0	20.2	14.4	9.2	7.2
-62.5°	121.3	95.1	77.8	60.7	46.0	33.0	22.0	16.4	11.0	8.5	6.6
-65°	88.3	72.8	57.8	44.7	32.4	22.8	17.6	12.5	9.6	7.7	6.0
-67.5°	63.3	51.2	40.1	28.9	22.5	17.6	13.0	10.5	8.6	6.9	5.4
-70°	40.2	30.5	25.3	20.9	16.4	12.7	11.0	9.2	7.5	6.2	4.8
-72.5°	23.9	20.8	17.5	14.1	12.6	11.0	9.5	8.0	6.7	5.5	4.2
-75°	15.6	14.3	13.3	12.2	10.8	9.3	8.1	7.0	5.9	4.7	3.8
-77.5°	12.5	11.7	11.0	10.0	8.8	7.7	6.8	6.1	5.1	4.2	3.4
-80°	9.7	9.0	8.2	7.4	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°	9.0	5.0	2.8	2.4	2.4	2.4	2.4
-12.5°	9.8	5.3	2.9	2.4	2.4	2.4	2.4
-15°	10.5	5.5	2.9	2.4	2.4	2.4	2.4
-17.5°	11.0	5.6	3.0	2.4	2.4	2.4	2.4
-20°	11.5	5.7	3.0	2.4	2.4	2.4	2.4



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	11.9	5.7	3.0	2.4	2.4	2.4	2.4
-25°	12.1	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°	11.7	5.7	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°	10.7	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°	8.9	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

