

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: P701744 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-80-7F-CV2-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701744 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680R-57-80-7F-CV2-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

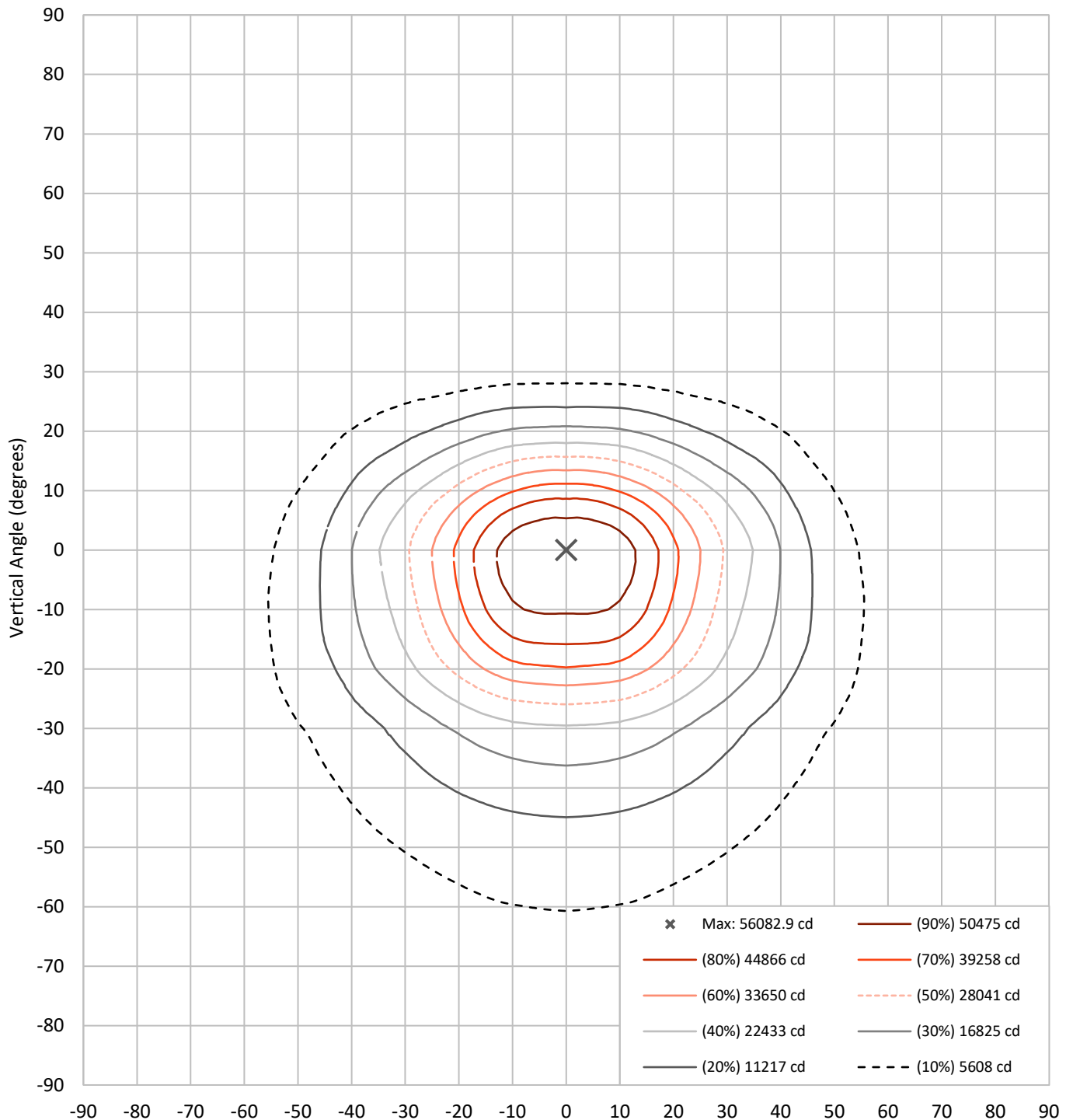
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	49065.9 lumens	Max Intensity:	56082.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	70.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	58.6°H x 41.6°V	Field Angle (10%):	109°H x 88.8°V
Beam Lumens:	23786.7 lumens	Field Lumens:	44563.4 lumens
Beam Efficiency:	48.5%	Field Efficiency:	90.8%

Input Watts (W): 697.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Iso-Candela Plot





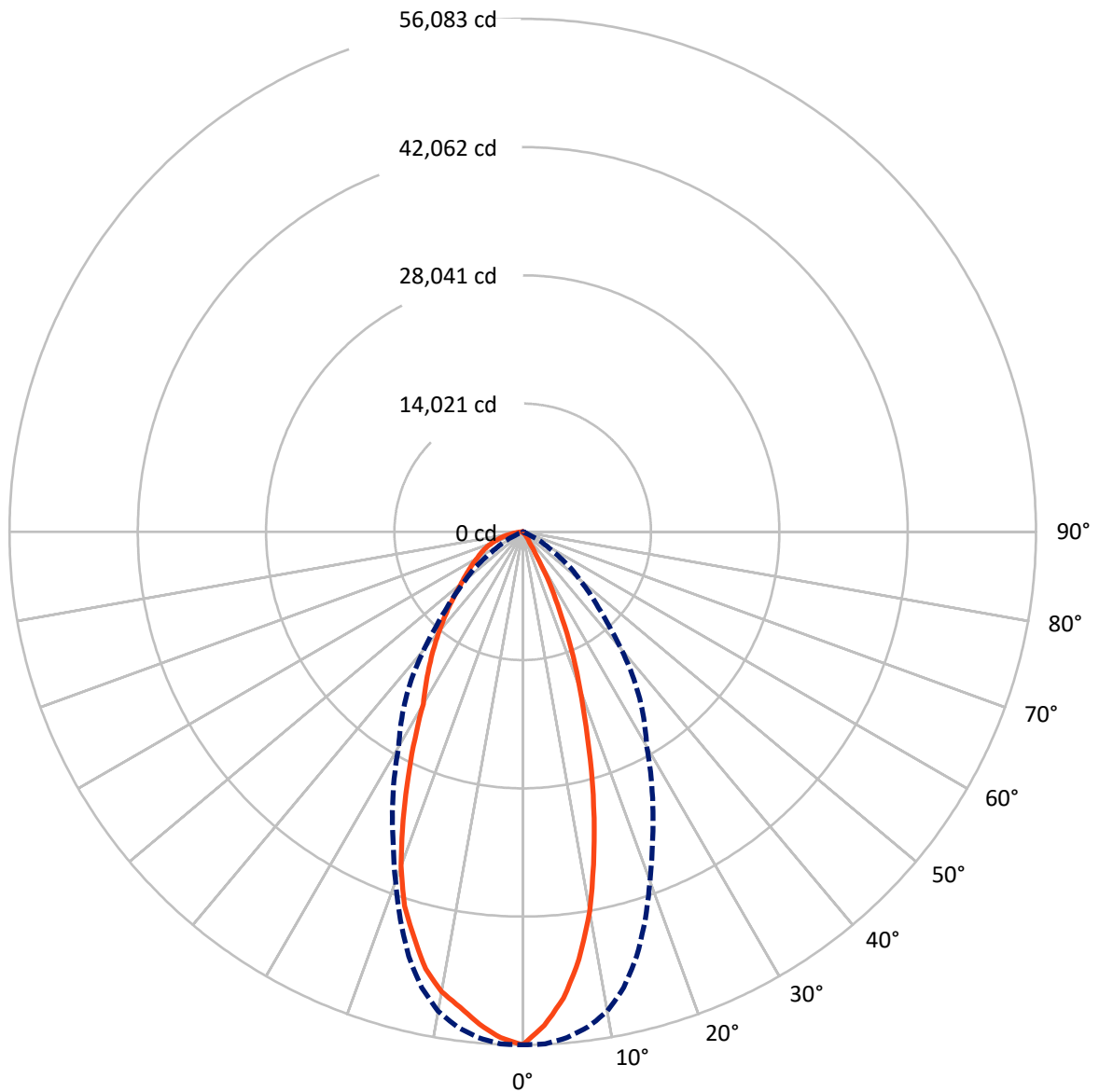
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### Lumen Table

90	0.4	2.4	5.8	4.3	3.3	4.3	5.8	2.4	0.4							
80	0.4	2.4	5.8	4.3	3.3	4.3	5.8	2.4	0.4							
70	0.5	0.7	1.6	2.4	1.8	0.9	0.7	0.6	0.6	0.7	0.9	1.8	2.4	1.6	0.7	0.5
60		0.7	1.1	1.2	1.0	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.2	1.1	0.7	
50	0.7	0.7	1.4	2.4	3.3	4.2	5.1	5.8	5.8	5.1	4.2	3.3	2.4	1.4	0.7	0.7
40		1.1	5.2	11.8	19.4	25.4	33.5	38.2	38.2	33.5	25.4	19.4	11.8	5.2	1.1	
30	1.2	2.9	18.2	53.6	111.0	179.7	260.5	304.1	304.1	260.5	179.7	111.0	53.6	18.2	2.9	1.2
20		6.8	44.9	133.8	295.2	498.3	735.0	888.9	888.9	735.0	498.3	295.2	133.8	44.9	6.8	
10	2.9	13.3	78.9	227.7	492.5	834.5	1244.9	1502.8	1502.8	1244.9	834.5	492.5	227.7	78.9	13.3	2.9
0		21.7	101.4	262.0	537.5	910.9	1371.6	1619.2	1619.2	1371.6	910.9	537.5	262.0	101.4	21.7	
-10	6.8	25.3	101.3	245.4	476.5	791.9	1167.2	1372.5	1372.5	1167.2	791.9	476.5	245.4	101.3	25.3	6.8
-20		24.0	83.3	184.8	347.3	554.0	772.3	891.1	891.1	772.3	554.0	347.3	184.8	83.3	24.0	
-30	7.9	21.7	61.0	127.6	227.0	349.5	464.8	529.9	529.9	464.8	349.5	227.0	127.6	61.0	21.7	7.9
-40		17.5	44.5	89.8	155.7	232.1	297.8	336.1	336.1	297.8	232.1	155.7	89.8	44.5	17.5	
-50	5.3	13.1	31.2	60.2	101.0	147.8	189.9	213.0	213.0	189.9	147.8	101.0	60.2	31.2	13.1	5.3
-60		8.9	21.6	41.2	66.8	96.2	124.3	139.6	139.6	124.3	96.2	66.8	41.2	21.6	8.9	
-70	1.5	1.5	20.5	73.3	140.2	172.3	140.2	73.3	20.5	1.5						
-80		1.5	20.5	73.3	140.2	172.3	140.2	73.3	20.5	1.5						
-90	1.5	20.5	73.3	140.2	172.3	140.2	73.3	20.5	1.5							

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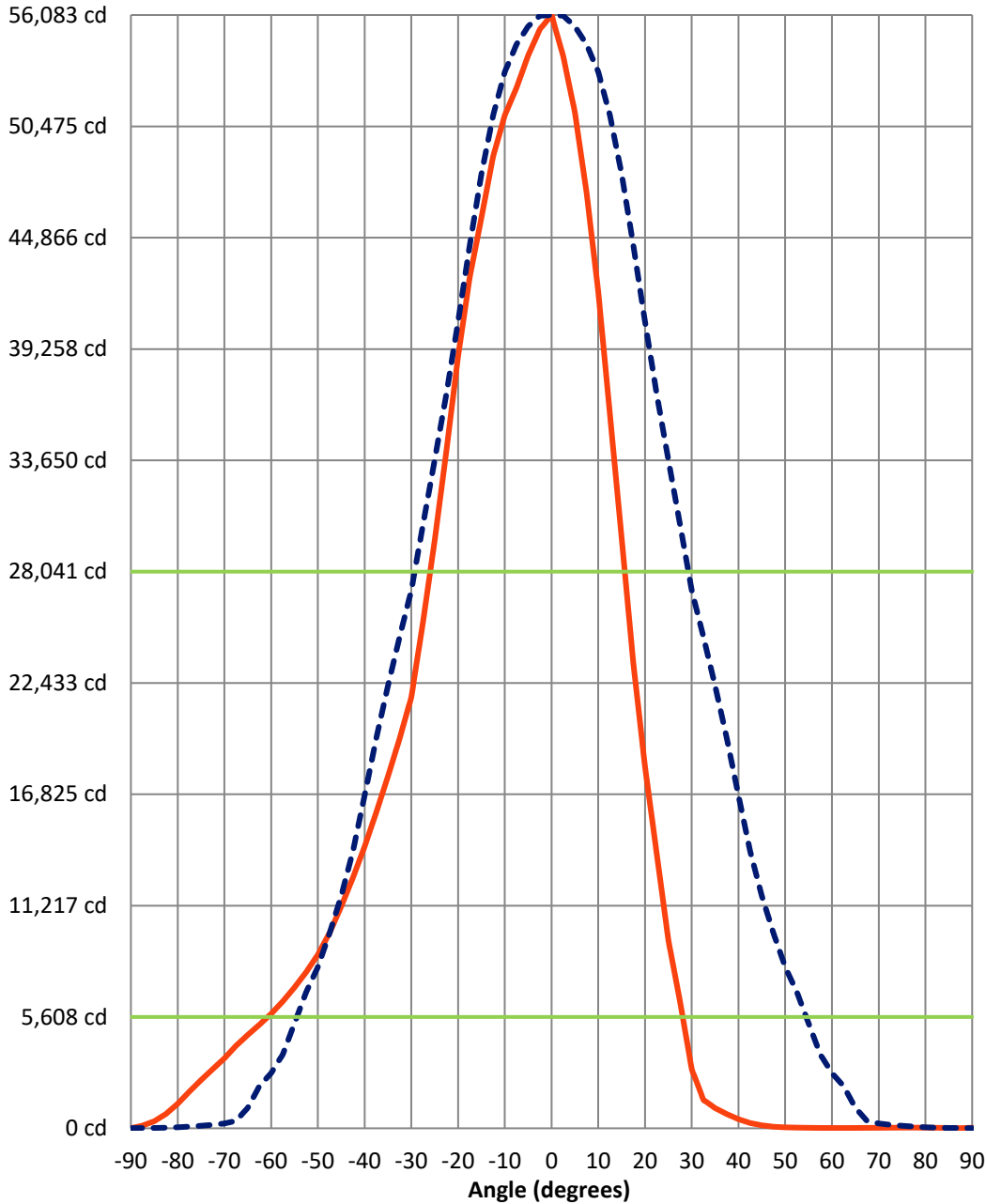
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 58.6°  
 V Angle: 41.6°  
 Lumens: 23786.7  
 Efficiency: 48.5%

**Field:**  
 H Angle: 109°  
 V Angle: 88.8°  
 Lumens: 44563.4  
 Efficiency: 90.8%

**Spill:**  
 Lumens: 4502.5  
 Efficiency: 9.2%

— 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°	7.9	8.9	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3	13.8
87.5°	7.9	8.2	8.6	9.1	9.8	10.6	11.5	11.7	11.9	12.0	12.0
85°	7.9	8.5	9.3	10.3	11.7	13.2	15.0	15.6	16.0	16.2	16.2
82.5°	7.9	8.8	10.0	11.5	13.5	15.8	18.5	19.5	20.1	21.4	23.9
80°	7.9	9.1	10.6	12.7	15.3	18.4	21.6	22.1	24.2	28.0	33.5
77.5°	7.9	9.4	11.3	13.9	17.1	20.1	22.0	24.1	28.1	34.4	40.9
75°	7.9	9.7	11.9	15.0	18.5	20.2	22.3	25.7	31.5	36.8	42.1
72.5°	7.9	10.0	12.6	16.2	18.4	20.2	22.6	27.0	32.4	37.8	43.2
70°	7.9	10.2	13.2	17.0	18.3	20.2	22.9	27.7	33.2	38.7	44.8
67.5°	7.9	10.5	13.8	16.8	18.1	20.2	23.7	28.4	34.0	40.3	46.6
65°	7.9	10.8	14.4	16.5	17.9	20.5	24.5	29.0	35.3	41.7	48.8
62.5°	7.9	11.0	15.0	16.3	17.7	21.2	25.2	29.8	36.5	43.4	52.4
60°	7.9	11.3	15.5	16.0	17.4	21.9	26.0	30.8	37.6	46.3	55.7
57.5°	7.9	11.5	15.4	15.7	17.9	22.5	27.1	31.8	39.6	49.0	57.4
55°	7.9	11.8	15.3	15.4	18.5	23.2	28.4	33.1	41.7	51.1	58.4
52.5°	7.9	12.0	15.2	15.0	19.0	23.9	29.7	35.3	43.5	52.2	59.4
50°	7.9	12.2	15.2	14.7	19.5	25.0	30.9	37.7	45.1	53.2	57.7
47.5°	7.9	12.4	15.1	14.5	19.9	26.0	32.3	40.0	46.1	54.3	56.0
45°	7.9	12.6	15.1	14.8	20.4	27.1	34.3	42.3	48.5	53.1	54.5
42.5°	7.9	12.7	15.1	15.1	20.8	28.2	36.3	44.8	51.3	52.0	52.9
40°	7.9	12.9	15.1	15.7	21.4	29.2	38.2	47.5	54.1	51.5	51.7
37.5°	7.9	13.1	15.2	16.5	22.2	30.2	40.2	50.4	56.4	54.6	51.2
35°	7.9	13.2	15.3	17.4	22.9	31.5	42.0	53.5	59.5	58.9	55.0
32.5°	7.9	13.3	15.4	18.3	23.6	32.9	44.0	56.7	63.2	64.5	70.6
30°	7.9	13.4	15.5	19.1	24.2	34.3	46.6	60.1	67.5	71.2	86.7
27.5°	7.9	13.5	15.6	20.1	26.2	35.6	49.1	63.4	72.7	79.1	103.0
25°	7.9	13.6	15.8	21.0	28.3	36.8	51.7	67.1	79.0	91.2	121.3
22.5°	7.9	13.7	16.0	21.9	30.6	39.0	54.3	71.1	85.8	105.1	179.9
20°	7.9	13.8	16.1	22.9	32.9	43.9	56.8	75.2	93.2	118.9	241.9
17.5°	7.9	13.8	16.3	23.8	35.3	49.1	63.4	79.5	100.9	132.6	306.3
15°	7.9	13.8	16.5	24.7	37.7	54.5	72.6	88.2	108.9	145.9	371.6
12.5°	7.9	13.9	16.7	25.6	40.1	60.0	82.1	102.7	125.5	158.8	436.5
10°	7.9	13.9	16.9	26.5	42.5	65.5	91.6	117.4	149.1	197.9	522.2
7.5°	7.9	13.9	17.1	27.3	44.8	71.0	101.0	132.2	173.2	242.0	655.3
5°	7.9	13.9	17.3	28.1	47.1	76.4	110.3	146.9	197.3	286.7	787.7
2.5°	7.9	13.8	17.5	28.8	49.2	81.6	119.3	161.3	221.1	331.1	915.3
0°	7.9	13.8	17.7	29.5	51.2	86.6	128.0	175.3	244.2	374.1	1033.8
-2.5°	7.9	14.1	19.0	33.9	61.2	105.2	161.2	230.1	330.5	513.6	1216.8
-5°	7.9	14.3	20.2	38.1	70.8	123.2	193.4	283.5	414.4	648.1	1383.9
-7.5°	7.9	14.5	21.5	42.2	80.1	140.4	224.3	334.7	494.6	775.1	1532.9
-10°	7.9	14.7	22.6	46.1	88.9	156.7	253.4	382.9	569.8	892.0	1661.6
-12.5°	7.9	14.9	23.8	49.7	97.1	171.8	280.2	427.5	638.9	992.5	1710.3
-15°	7.9	15.1	24.8	52.9	104.5	185.5	304.4	467.7	699.5	1053.9	1717.9
-17.5°	7.9	15.2	25.8	55.9	111.1	197.6	325.6	506.0	751.6	1106.4	1715.1
-20°	7.9	15.4	26.6	58.4	116.8	208.0	346.3	541.7	796.7	1149.7	1703.3



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.9	15.5	27.4	60.5	121.5	216.6	368.3	572.2	834.3	1183.2	1683.4
-25°	7.9	15.5	28.1	62.1	125.1	227.7	386.6	597.2	863.8	1206.8	1656.7
-27.5°	7.9	15.6	28.6	63.2	127.6	238.3	400.8	616.2	884.9	1226.2	1673.5
-30°	7.9	15.6	29.1	63.8	129.3	246.3	410.9	629.0	902.5	1246.7	1680.3
-32.5°	7.9	15.6	29.4	63.9	133.2	251.6	416.5	638.9	914.9	1255.8	1674.4
-35°	7.9	15.6	29.6	63.3	135.6	253.9	421.0	643.7	918.6	1253.1	1655.8
-37.5°	7.9	15.6	29.6	62.2	136.4	254.5	422.7	642.3	913.6	1238.6	1575.0
-40°	7.9	15.5	29.6	60.5	135.5	254.6	419.9	634.5	899.6	1221.2	1494.0
-42.5°	7.9	15.4	29.3	58.9	134.3	252.1	412.8	620.3	881.7	1162.4	1407.8
-45°	7.9	15.2	29.0	57.8	133.0	246.9	401.3	602.6	857.8	1094.8	1318.9
-47.5°	7.9	15.1	28.5	56.0	130.3	239.1	385.4	583.1	824.9	1023.9	1239.7
-50°	7.9	14.9	27.8	55.4	126.2	228.7	370.7	557.7	767.2	959.0	1157.0
-52.5°	7.9	14.6	27.1	54.8	120.8	215.7	353.2	526.6	713.0	891.3	1072.0
-55°	7.9	14.4	26.2	53.6	114.0	204.7	332.1	491.0	658.8	820.9	994.1
-57.5°	7.9	14.1	25.2	51.7	105.9	192.5	307.5	458.5	602.0	754.8	913.5
-60°	7.9	13.8	24.0	49.2	96.9	178.3	280.6	417.8	544.6	688.0	833.1
-62.5°	7.9	13.5	23.1	46.1	90.4	162.4	257.9	373.0	491.3	618.6	755.7
-65°	7.9	13.1	22.2	42.5	82.9	144.7	232.7	328.9	435.1	551.5	675.7
-67.5°	7.9	12.8	21.2	38.4	74.4	127.9	205.2	290.2	376.4	482.5	595.0
-70°	7.9	12.4	20.1	33.9	65.1	112.1	175.6	249.5	326.0	410.8	511.9
-72.5°	7.9	12.0	18.9	30.9	55.0	95.2	149.3	207.1	273.7	347.4	428.0
-75°	7.9	11.6	17.7	28.3	44.2	77.1	122.1	168.7	219.4	281.9	350.3
-77.5°	7.9	11.1	16.5	25.5	38.1	58.1	93.6	131.1	172.1	217.4	270.1
-80°	7.9	10.7	15.2	22.6	32.9	45.9	63.9	92.5	124.4	159.8	198.5
-82.5°	7.9	10.3	13.9	19.6	27.5	37.5	49.6	61.1	75.9	101.1	128.9
-85°	7.9	9.8	12.5	16.6	22.0	28.9	37.1	45.0	53.7	63.2	73.5
-87.5°	7.9	9.3	11.2	13.4	16.4	20.1	24.5	28.7	33.3	38.3	43.7
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9





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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°	14.3	14.8	15.3	15.8	16.3	16.8	17.2	17.7	18.7	19.7	20.7
87.5°	12.7	13.3	14.0	14.7	13.4	12.0	10.4	8.7	9.1	9.6	10.2
85°	17.4	18.7	20.4	21.7	20.7	19.9	19.3	18.8	19.9	20.8	21.4
82.5°	26.3	28.1	29.2	29.7	30.3	31.2	32.9	36.4	38.6	39.9	40.5
80°	36.2	37.6	38.7	41.4	46.1	51.7	58.0	65.1	67.0	66.6	65.3
77.5°	42.4	44.9	49.5	56.2	63.9	71.9	80.6	90.1	92.5	91.4	89.5
75°	46.0	51.5	59.2	68.7	78.8	89.4	100.7	111.0	113.5	110.2	106.2
72.5°	49.1	57.2	67.4	79.9	91.6	102.5	113.9	125.9	130.5	124.9	117.6
70°	51.9	62.1	74.6	87.9	101.2	112.8	124.1	137.0	145.3	134.9	118.8
67.5°	54.4	67.1	80.8	94.5	105.9	117.4	130.9	136.5	139.6	122.9	105.7
65°	58.1	71.7	83.9	95.5	107.3	113.0	117.5	121.6	120.0	101.1	82.9
62.5°	61.7	72.8	84.2	93.4	97.2	100.6	100.0	96.1	89.9	78.2	64.0
60°	63.0	72.6	80.8	84.7	86.0	82.9	78.3	74.6	69.3	59.3	49.9
57.5°	63.8	69.4	73.9	75.0	71.5	66.7	64.8	59.6	55.7	49.4	40.9
55°	63.3	64.1	66.3	63.7	60.8	59.0	56.1	54.4	49.1	43.1	36.8
52.5°	60.6	59.6	57.6	56.4	57.2	56.8	55.8	53.0	48.1	42.2	38.7
50°	58.2	54.7	51.5	55.9	59.9	63.2	58.1	55.0	54.8	52.1	46.4
47.5°	55.2	50.6	53.4	60.1	71.5	75.7	68.6	68.5	70.8	76.3	69.5
45°	52.5	54.2	58.6	75.5	89.4	95.8	96.9	89.3	108.1	114.4	112.5
42.5°	50.5	61.7	81.9	93.7	116.1	130.0	135.4	146.7	157.8	171.6	175.0
40°	57.9	71.6	117.0	137.1	151.0	174.6	203.2	221.7	225.2	246.0	255.3
37.5°	67.5	111.5	165.0	199.6	198.8	239.7	282.5	327.3	352.5	332.7	378.4
35°	78.4	158.4	234.1	284.6	297.5	322.9	398.3	484.0	566.9	518.3	542.0
32.5°	110.9	212.2	315.0	392.3	467.5	484.6	531.3	763.7	914.2	916.7	795.6
30°	163.9	287.8	411.4	517.0	690.9	770.6	845.2	1133.9	1386.9	1549.8	1584.3
27.5°	230.5	374.2	529.4	719.4	965.8	1109.7	1351.3	1661.3	2059.3	2357.4	2563.5
25°	305.3	507.8	658.2	975.3	1294.0	1558.3	1897.4	2324.1	2882.4	3360.1	3806.1
22.5°	401.4	662.9	862.7	1262.1	1657.6	2043.3	2514.2	3127.7	3838.1	4459.3	5091.3
20°	522.4	839.1	1129.4	1615.8	2071.2	2535.4	3139.5	3992.6	4891.9	5770.1	6590.2
17.5°	653.3	1024.9	1428.0	2020.0	2636.0	3160.9	3793.5	4890.8	6001.7	7207.8	8402.1
15°	791.1	1217.2	1724.1	2460.9	3242.5	3957.1	4793.8	5911.8	7232.6	8779.6	10320.4
12.5°	932.7	1413.1	2014.6	2927.6	3875.0	4768.0	5833.3	7108.8	8625.2	10459.9	12328.3
10°	1074.5	1609.2	2296.4	3407.7	4521.4	5582.7	6846.5	8264.5	9998.4	12059.9	14173.5
7.5°	1331.4	1866.8	2588.6	3888.0	5168.1	6389.3	7824.6	9371.0	11298.8	13590.7	15902.4
5°	1605.8	2184.1	2987.2	4391.9	5778.9	7097.2	8704.1	10417.8	12516.4	15032.2	17538.9
2.5°	1872.4	2489.4	3367.5	4862.5	6340.4	7637.0	9295.5	11097.6	13320.1	16038.8	18782.0
0°	2122.7	2780.4	3725.6	5289.1	6856.5	8124.6	9820.1	11702.6	13955.2	16759.3	19646.0
-2.5°	2348.8	3046.4	4027.0	5550.0	7015.9	8245.3	9952.8	11840.6	14068.7	16762.0	19430.6
-5°	2547.6	3294.3	4300.1	5767.9	7134.9	8325.4	10015.8	11896.2	14081.3	16641.4	19133.1
-7.5°	2716.9	3522.6	4543.1	5924.7	7198.3	8389.5	10029.2	11876.5	14007.0	16422.3	18781.7
-10°	2830.0	3616.7	4558.3	5883.9	7180.9	8415.3	9983.3	11781.4	13832.7	16111.3	18346.3
-12.5°	2756.9	3581.8	4504.1	5793.3	7121.0	8381.9	9876.4	11614.5	13561.9	15726.2	17831.9
-15°	2674.2	3524.1	4415.8	5651.2	7018.8	8285.4	9711.8	11379.9	13097.3	15095.6	17173.2
-17.5°	2586.0	3442.4	4292.2	5456.2	6874.6	8122.5	9406.8	10761.1	12336.8	14296.7	16349.1
-20°	2496.3	3336.1	4132.5	5207.5	6676.6	7708.5	8759.6	10018.7	11512.7	13337.3	15391.8



REPORT NUMBER: P701744 (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°	2408.7	3204.4	3964.1	4988.9	6149.1	7122.8	8072.7	9205.6	10562.4	12213.5	14014.0
-25°	2342.8	3068.0	3801.0	4631.6	5594.7	6527.8	7335.5	8339.8	9574.1	10986.4	12410.8
-27.5°	2291.6	2946.9	3570.2	4279.0	5073.6	5928.0	6645.3	7507.6	8669.8	9800.9	10900.3
-30°	2237.1	2786.8	3336.4	3953.9	4656.3	5364.7	5987.1	6828.7	7862.7	8838.7	9713.9
-32.5°	2132.0	2617.5	3131.7	3688.2	4277.2	4860.8	5512.1	6309.4	7173.6	8012.9	8715.0
-35°	2007.4	2458.6	2934.4	3425.6	3923.3	4487.6	5136.2	5820.1	6551.4	7310.2	8110.2
-37.5°	1902.9	2293.3	2731.5	3182.4	3641.8	4167.5	4747.8	5375.7	6024.1	6702.6	7485.8
-40°	1790.5	2121.8	2538.7	2956.4	3379.2	3852.2	4385.5	4942.6	5523.6	6166.2	6844.0
-42.5°	1673.5	1989.0	2346.0	2725.9	3122.5	3546.2	4010.3	4528.1	5062.1	5626.6	6232.1
-45°	1572.7	1849.4	2155.9	2509.8	2862.6	3237.3	3656.6	4107.8	4609.1	5111.5	5638.6
-47.5°	1466.8	1710.5	1995.2	2290.3	2614.4	2946.5	3297.5	3722.5	4155.4	4616.1	5072.7
-50°	1361.0	1589.2	1828.1	2100.1	2378.0	2669.2	2977.1	3356.9	3754.2	4141.6	4541.8
-52.5°	1266.3	1462.9	1687.2	1918.2	2165.9	2418.4	2703.8	3034.5	3384.4	3729.3	4085.7
-55°	1168.1	1352.4	1549.8	1757.8	1970.4	2195.0	2457.8	2752.3	3040.1	3361.0	3680.0
-57.5°	1075.3	1245.3	1424.7	1608.3	1799.3	1993.4	2246.3	2491.2	2758.5	3024.9	3301.6
-60°	984.5	1141.8	1306.5	1472.9	1638.5	1833.1	2047.8	2275.7	2503.3	2729.8	2988.6
-62.5°	892.6	1043.1	1193.0	1344.1	1497.8	1678.3	1882.9	2083.8	2277.7	2493.5	2713.0
-65°	804.9	942.1	1083.8	1223.2	1359.8	1534.7	1719.1	1909.1	2097.7	2278.8	2465.3
-67.5°	713.8	838.9	969.5	1103.7	1235.1	1386.7	1551.5	1724.5	1900.4	2067.0	2237.9
-70°	618.1	731.0	848.7	970.5	1097.8	1233.0	1373.9	1525.4	1681.1	1828.4	1977.1
-72.5°	518.5	616.3	720.4	830.7	941.3	1057.4	1180.8	1311.0	1438.4	1561.8	1690.3
-75°	421.6	498.2	585.3	678.2	772.5	870.4	973.5	1079.7	1182.1	1282.3	1385.6
-77.5°	326.4	387.1	453.1	524.2	594.9	671.0	751.6	836.3	915.9	994.0	1073.2
-80°	235.4	273.5	321.8	374.5	427.7	482.0	537.7	594.5	645.4	698.9	756.5
-82.5°	155.1	182.4	211.2	241.2	271.3	302.5	336.5	376.6	410.2	443.4	476.8
-85°	81.9	90.4	107.7	126.0	143.7	162.1	181.1	200.7	218.1	234.7	250.5
-87.5°	48.1	52.7	57.3	62.1	66.0	69.9	73.7	77.6	82.9	88.3	93.7
-90°	7.9	7.9	7.9	7.9	7.4	6.9	6.4	5.9	5.9	5.9	5.9



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	21.7	22.7	23.7	24.6	25.6	26.1	26.6	27.1	27.6	28.1	28.6
87.5°	10.7	10.5	10.1	9.8	9.4	11.7	14.1	16.6	19.1	17.4	15.6
85°	21.9	21.8	21.7	21.4	21.0	24.3	27.6	31.0	34.3	31.4	28.2
82.5°	40.4	39.6	38.2	36.2	33.8	33.4	32.8	31.7	30.2	28.8	27.6
80°	63.4	60.5	56.7	52.1	46.9	44.0	41.3	38.2	34.9	33.9	33.1
77.5°	85.9	80.2	73.4	66.1	58.2	53.3	49.0	44.3	39.4	38.0	37.2
75°	101.5	94.2	84.3	73.7	62.6	55.2	49.7	44.2	38.8	36.9	35.8
72.5°	108.7	98.1	85.8	71.6	58.0	49.2	43.7	38.7	34.0	32.1	31.1
70°	103.2	88.1	74.1	60.7	48.1	39.6	35.6	32.3	29.5	28.0	27.2
67.5°	87.9	72.6	59.3	47.5	37.8	31.4	29.2	27.2	25.4	24.4	24.1
65°	68.1	56.3	46.1	37.7	31.0	26.7	24.9	23.3	21.7	20.7	20.3
62.5°	51.6	42.5	35.8	30.6	26.4	23.4	22.2	21.1	20.2	19.6	19.1
60°	41.3	33.6	29.5	26.7	24.2	22.0	21.7	21.5	21.2	20.9	20.0
57.5°	35.4	30.7	27.6	26.9	25.8	24.3	23.9	23.8	23.0	21.6	20.9
55°	33.8	32.7	31.3	31.9	31.8	30.6	28.9	27.7	26.6	25.5	25.6
52.5°	37.7	40.2	41.6	41.4	39.4	36.5	33.1	33.6	34.3	34.8	35.4
50°	50.3	53.4	53.4	49.1	48.8	47.1	43.0	44.9	47.4	48.0	48.4
47.5°	69.8	72.9	74.9	67.2	68.5	72.7	68.4	67.1	75.4	79.1	80.9
45°	101.7	114.2	117.9	120.2	116.9	127.7	127.8	122.7	138.9	147.7	150.7
42.5°	169.6	190.6	207.3	212.2	208.2	221.7	232.1	231.3	251.6	266.1	269.9
40°	283.8	303.7	327.5	336.4	340.3	352.6	378.7	395.5	416.0	438.6	450.1
37.5°	430.4	461.5	466.4	484.6	507.5	519.1	558.8	592.7	620.5	662.8	690.0
35°	645.1	727.2	638.7	680.7	738.8	745.5	781.6	859.9	879.5	953.6	994.5
32.5°	1041.2	1194.0	1174.0	1031.9	1156.8	1298.5	1140.6	1421.5	1396.4	1475.4	1575.9
30°	1643.2	2087.6	2136.9	1929.1	2275.9	2464.1	2433.9	2713.8	2893.1	2870.9	3219.0
27.5°	2931.5	3287.9	3449.8	3748.1	3935.5	4213.0	4701.7	4986.4	5498.4	5767.1	6089.3
25°	4325.8	4747.2	5267.2	5780.4	6170.3	6785.4	7471.2	8010.3	8735.0	9189.7	9521.0
22.5°	5833.1	6577.3	7301.2	8016.2	8803.2	9650.4	10459.5	11393.7	12275.7	12926.9	13419.3
20°	7485.4	8515.4	9539.4	10520.9	11502.7	12635.6	13637.4	14760.2	15843.5	16785.4	17434.1
17.5°	9528.1	10605.0	11912.7	13226.0	14498.0	15900.9	17380.5	18639.5	20158.8	21413.5	22357.3
15°	11752.9	13101.5	14528.7	16171.3	17889.2	19624.9	21419.6	23270.5	25000.0	26604.3	27805.9
12.5°	14050.1	15728.8	17467.8	19286.7	21278.7	23438.7	25693.9	27896.9	30035.4	31798.7	33447.3
10°	16256.9	18354.8	20372.7	22504.0	24797.8	27214.3	29855.3	32479.4	34964.8	37136.9	38911.1
7.5°	18190.5	20468.1	22796.2	25409.5	28132.3	30840.2	33701.5	36645.0	39473.8	41977.6	44051.7
5°	20008.1	22384.3	24742.8	27554.4	30558.6	33666.0	36905.5	40212.2	43266.2	46096.8	48393.8
2.5°	21425.3	23924.6	26349.8	29432.6	32602.6	35767.3	39070.6	42685.9	46092.6	49169.6	51423.5
0°	22290.6	24757.9	27101.2	30409.3	33670.2	36992.1	40635.0	44482.7	48070.5	51018.2	53213.8
-2.5°	21991.3	24398.6	26940.7	30190.3	33637.6	36960.1	40645.3	44528.3	48092.8	51088.2	53232.3
-5°	21580.4	23940.4	26513.3	29764.7	33129.2	36447.9	40081.1	43899.8	47400.6	50347.4	52378.0
-7.5°	21075.2	23353.1	25861.9	29015.3	32361.0	35683.6	39220.4	42833.5	46181.5	49110.7	51021.5
-10°	20477.9	22637.4	25119.4	28152.3	31472.5	34675.4	38036.0	41614.5	44974.5	47638.4	49689.2
-12.5°	19858.3	21962.2	24267.0	27136.6	30315.2	33292.9	36501.4	39947.4	42907.6	45631.8	47434.1
-15°	19148.8	21166.4	23327.6	25972.6	28853.4	31640.5	34427.6	37466.4	40167.6	42590.0	44505.0
-17.5°	18327.6	20239.2	22136.0	24514.2	27272.5	29761.9	32202.1	34848.3	37249.5	39473.5	41131.4
-20°	17193.3	18766.3	20588.9	22864.1	25253.4	27353.2	29579.7	31802.6	33940.3	35823.0	37226.9



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-7F-CV2-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15568.5	17099.1	18787.6	20648.5	22647.5	24576.3	26482.1	28300.9	30040.1	31606.8	32736.8
-25°	13839.1	15237.1	16761.2	18308.1	19904.3	21632.1	23303.7	24805.0	26235.2	27445.6	28376.4
-27.5°	12120.8	13442.9	14775.4	16023.7	17300.4	18743.6	20206.7	21463.6	22675.0	23623.2	24348.8
-30°	10585.9	11999.3	13172.6	14022.0	15259.2	16525.4	17473.9	18617.5	19571.8	20176.9	20956.7
-32.5°	9740.1	10806.2	11870.0	12743.3	13726.4	14837.2	15735.5	16669.8	17475.2	18125.5	18615.8
-35°	8968.6	9905.3	10804.2	11702.6	12580.4	13472.8	14300.7	15089.4	15803.7	16378.8	16833.2
-37.5°	8275.5	9086.3	9900.0	10675.0	11463.6	12209.4	12920.1	13600.4	14201.0	14719.3	15147.6
-40°	7575.7	8300.0	9015.6	9716.4	10406.0	11014.8	11625.9	12188.0	12694.9	13153.6	13528.0
-42.5°	6873.0	7519.3	8146.1	8781.9	9393.8	9922.2	10426.8	10891.4	11326.0	11717.0	12040.1
-45°	6182.2	6753.0	7305.3	7869.8	8385.7	8867.4	9307.2	9698.4	10071.9	10401.3	10672.9
-47.5°	5559.6	6024.4	6517.3	6999.1	7447.0	7880.8	8265.4	8609.8	8937.4	9216.4	9438.0
-50°	4981.0	5405.4	5820.8	6211.2	6629.7	7010.0	7335.5	7652.8	7950.8	8199.7	8386.7
-52.5°	4436.9	4828.5	5202.1	5566.3	5929.4	6267.8	6580.1	6870.2	7130.5	7358.7	7520.7
-55°	4006.2	4326.2	4628.8	4979.2	5312.5	5613.3	5893.0	6174.7	6425.6	6647.2	6782.5
-57.5°	3598.4	3887.2	4175.3	4478.2	4771.4	5054.0	5319.5	5566.3	5797.5	6004.9	6121.4
-60°	3234.6	3467.6	3741.6	4021.1	4286.8	4539.1	4788.3	5019.8	5234.7	5415.2	5518.2
-62.5°	2929.8	3151.2	3383.0	3616.3	3846.4	4081.0	4307.2	4522.3	4726.3	4890.7	4990.8
-65°	2661.0	2861.5	3064.1	3270.8	3480.4	3687.0	3879.6	4068.5	4252.9	4393.8	4484.0
-67.5°	2407.9	2580.4	2750.7	2926.6	3107.2	3285.5	3455.3	3622.8	3786.8	3900.5	3971.1
-70°	2130.6	2282.9	2429.5	2577.7	2725.1	2870.0	3010.4	3150.4	3288.7	3380.0	3440.5
-72.5°	1823.2	1950.5	2069.4	2187.8	2308.3	2427.4	2542.9	2655.1	2763.5	2834.2	2886.4
-75°	1491.4	1588.4	1680.8	1774.1	1867.5	1964.3	2059.7	2151.1	2238.2	2291.1	2331.7
-77.5°	1153.5	1222.2	1287.3	1353.0	1418.6	1493.5	1569.5	1643.2	1714.0	1751.5	1779.4
-80°	814.6	862.7	907.2	949.8	990.2	1038.0	1086.1	1132.8	1177.5	1198.9	1214.7
-82.5°	510.3	538.5	565.0	590.1	613.7	639.3	663.6	686.2	707.1	717.4	725.1
-85°	265.5	277.7	289.1	299.6	309.2	321.0	332.2	342.5	352.1	355.2	357.3
-87.5°	99.1	102.8	106.3	109.8	113.0	117.5	121.9	126.1	130.3	131.4	132.3
-90°	5.9	5.9	5.9	5.9	5.9	5.4	4.9	4.4	3.9	3.9	3.9



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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°	29.0	29.5	29.5	29.5	29.5	29.5	29.0	28.6	28.1	27.6	27.1
87.5°	13.7	11.8	10.8	9.8	10.8	11.8	13.7	15.6	17.4	19.1	16.6
85°	25.0	21.7	20.7	19.7	20.7	21.7	25.0	28.2	31.4	34.3	31.0
82.5°	26.6	25.6	25.6	25.6	25.6	25.6	26.6	27.6	28.8	30.2	31.7
80°	32.3	31.4	31.5	31.5	31.5	31.4	32.3	33.1	33.9	34.9	38.2
77.5°	36.3	35.4	35.4	35.4	35.4	35.4	36.3	37.2	38.0	39.4	44.3
75°	34.7	33.6	33.5	33.5	33.5	33.6	34.7	35.8	36.9	38.8	44.2
72.5°	30.4	29.7	29.5	29.5	29.5	29.7	30.4	31.1	32.1	34.0	38.7
70°	26.5	25.8	25.6	25.6	25.6	25.8	26.5	27.2	28.0	29.5	32.3
67.5°	23.8	23.7	23.6	23.6	23.6	23.7	23.8	24.1	24.4	25.4	27.2
65°	20.1	19.9	19.7	19.7	19.7	19.9	20.1	20.3	20.7	21.7	23.3
62.5°	18.5	17.9	16.9	15.8	16.9	17.9	18.5	19.1	19.6	20.2	21.1
60°	19.1	18.0	17.7	17.7	17.7	18.0	19.1	20.0	20.9	21.2	21.5
57.5°	20.3	19.8	19.7	19.7	19.7	19.8	20.3	20.9	21.6	23.0	23.8
55°	25.6	25.5	25.5	25.6	25.5	25.5	25.6	25.6	25.5	26.6	27.7
52.5°	35.6	35.2	35.2	35.4	35.2	35.2	35.6	35.4	34.8	34.3	33.6
50°	48.8	48.8	48.3	47.3	48.3	48.8	48.8	48.4	48.0	47.4	44.9
47.5°	82.1	80.8	79.5	78.8	79.5	80.8	82.1	80.9	79.1	75.4	67.1
45°	154.2	153.1	150.9	149.7	150.9	153.1	154.2	150.7	147.7	138.9	122.7
42.5°	276.2	274.0	268.8	265.8	268.8	274.0	276.2	269.9	266.1	251.6	231.3
40°	463.0	465.5	461.4	458.8	461.4	465.5	463.0	450.1	438.6	416.0	395.5
37.5°	711.6	722.0	720.6	716.8	720.6	722.0	711.6	690.0	662.8	620.5	592.7
35°	1013.3	1024.9	1019.0	1018.0	1019.0	1024.9	1013.3	994.5	953.6	879.5	859.9
32.5°	1500.5	1483.5	1419.9	1437.5	1419.9	1483.5	1500.5	1575.9	1475.4	1396.4	1421.5
30°	3242.5	3304.8	3127.1	2985.2	3127.1	3304.8	3242.5	3219.0	2870.9	2893.1	2713.8
27.5°	6121.1	6255.6	6230.5	6376.1	6230.5	6255.6	6121.1	6089.3	5767.1	5498.4	4986.4
25°	9651.1	9740.2	9745.9	9483.3	9745.9	9740.2	9651.1	9521.0	9189.7	8735.0	8010.3
22.5°	13601.6	13687.7	13844.6	13845.0	13844.6	13687.7	13601.6	13419.3	12926.9	12275.7	11393.7
20°	17885.1	17900.8	18200.6	18222.4	18200.6	17900.8	17885.1	17434.1	16785.4	15843.5	14760.2
17.5°	23021.7	23271.4	23676.8	23440.6	23676.8	23271.4	23021.7	22357.3	21413.5	20158.8	18639.5
15°	28943.1	29501.1	29934.5	29739.8	29934.5	29501.1	28943.1	27805.9	26604.3	25000.0	23270.5
12.5°	34758.2	35637.9	36056.8	35954.4	36056.8	35637.9	34758.2	33447.3	31798.7	30035.4	27896.9
10°	40293.4	41531.7	41976.5	42133.5	41976.5	41531.7	40293.4	38911.1	37136.9	34964.8	32479.4
7.5°	45599.9	46734.6	47409.0	47127.3	47409.0	46734.6	45599.9	44051.7	41977.6	39473.8	36645.0
5°	49858.8	50817.2	51361.9	51167.9	51361.9	50817.2	49858.8	48393.8	46096.8	43266.2	40212.2
2.5°	52875.0	53769.9	54242.1	54004.5	54242.1	53769.9	52875.0	51423.5	49169.6	46092.6	42685.9
0°	54598.1	55509.8	56044.4	56082.9	56044.4	55509.8	54598.1	53213.8	51018.2	48070.5	44482.7
-2.5°	54530.8	55174.9	55550.6	55359.2	55550.6	55174.9	54530.8	53232.3	51088.2	48092.8	44528.3
-5°	53389.3	53933.1	54128.3	54044.8	54128.3	53933.1	53389.3	52378.0	50347.4	47400.6	43899.8
-7.5°	51980.8	52381.8	52516.0	52416.4	52516.0	52381.8	51980.8	51021.5	49110.7	46181.5	42833.5
-10°	50618.3	51019.0	51087.0	51030.1	51087.0	51019.0	50618.3	49689.2	47638.4	44974.5	41614.5
-12.5°	48634.5	49068.8	49082.9	48950.7	49082.9	49068.8	48634.5	47434.1	45631.8	42907.6	39947.4
-15°	45540.4	45895.6	45952.9	45878.8	45952.9	45895.6	45540.4	44505.0	42590.0	40167.6	37466.4
-17.5°	42101.3	42336.5	42591.4	42875.9	42591.4	42336.5	42101.3	41131.4	39473.5	37249.5	34848.3
-20°	37972.2	38253.5	38554.3	38872.6	38554.3	38253.5	37972.2	37226.9	35823.0	33940.3	31802.6



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	33331.6	33647.7	33956.1	34117.2	33956.1	33647.7	33331.6	32736.8	31606.8	30040.1	28300.9
-25°	28842.6	29227.6	29471.0	29617.7	29471.0	29227.6	28842.6	28376.4	27445.6	26235.2	24805.0
-27.5°	24727.3	25183.7	25408.4	25504.2	25408.4	25183.7	24727.3	24348.8	23623.2	22675.0	21463.6
-30°	21261.2	21541.5	21580.3	21725.4	21580.3	21541.5	21261.2	20956.7	20176.9	19571.8	18617.5
-32.5°	18976.2	19287.4	19476.6	19636.2	19476.6	19287.4	18976.2	18615.8	18125.5	17475.2	16669.8
-35°	17185.9	17467.9	17653.5	17730.1	17653.5	17467.9	17185.9	16833.2	16378.8	15803.7	15089.4
-37.5°	15470.0	15683.1	15812.8	15916.5	15812.8	15683.1	15470.0	15147.6	14719.3	14201.0	13600.4
-40°	13815.5	14026.8	14155.1	14189.6	14155.1	14026.8	13815.5	13528.0	13153.6	12694.9	12188.0
-42.5°	12271.3	12434.0	12545.7	12622.1	12545.7	12434.0	12271.3	12040.1	11717.0	11326.0	10891.4
-45°	10873.0	11016.4	11115.8	11176.8	11115.8	11016.4	10873.0	10672.9	10401.3	10071.9	9698.4
-47.5°	9601.2	9716.6	9795.7	9841.7	9795.7	9716.6	9601.2	9438.0	9216.4	8937.4	8609.8
-50°	8526.2	8629.3	8702.4	8746.9	8702.4	8629.3	8526.2	8386.7	8199.7	7950.8	7652.8
-52.5°	7647.2	7747.4	7821.0	7868.7	7821.0	7747.4	7647.2	7520.7	7358.7	7130.5	6870.2
-55°	6894.9	6987.0	7053.7	7096.8	7053.7	6987.0	6894.9	6782.5	6647.2	6425.6	6174.7
-57.5°	6220.4	6301.7	6358.2	6393.8	6358.2	6301.7	6220.4	6121.4	6004.9	5797.5	5566.3
-60°	5606.1	5679.4	5731.3	5767.6	5731.3	5679.4	5606.1	5518.2	5415.2	5234.7	5019.8
-62.5°	5079.4	5156.4	5197.6	5220.2	5197.6	5156.4	5079.4	4990.8	4890.7	4726.3	4522.3
-65°	4566.9	4641.2	4681.3	4704.3	4681.3	4641.2	4566.9	4484.0	4393.8	4252.9	4068.5
-67.5°	4033.5	4087.1	4127.9	4158.8	4127.9	4087.1	4033.5	3971.1	3900.5	3786.8	3622.8
-70°	3492.4	3535.7	3537.1	3524.7	3537.1	3535.7	3492.4	3440.5	3380.0	3288.7	3150.4
-72.5°	2931.7	2969.6	2979.6	2979.3	2979.6	2969.6	2931.7	2886.4	2834.2	2763.5	2655.1
-75°	2366.7	2395.8	2415.3	2427.9	2415.3	2395.8	2366.7	2331.7	2291.1	2238.2	2151.1
-77.5°	1802.2	1819.8	1836.1	1847.0	1836.1	1819.8	1802.2	1779.4	1751.5	1714.0	1643.2
-80°	1226.6	1234.8	1236.7	1234.6	1236.7	1234.8	1226.6	1214.7	1198.9	1177.5	1132.8
-82.5°	730.7	734.1	730.5	724.6	730.5	734.1	730.7	725.1	717.4	707.1	686.2
-85°	358.5	358.7	358.0	356.4	358.0	358.7	358.5	357.3	355.2	352.1	342.5
-87.5°	133.0	133.5	135.7	137.8	135.7	133.5	133.0	132.3	131.4	130.3	126.1
-90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.4





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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	26.6	26.1	25.6	24.6	23.7	22.7	21.7	20.7	19.7	18.7	17.7
87.5°	14.1	11.7	9.4	9.8	10.1	10.5	10.7	10.2	9.6	9.1	8.7
85°	27.6	24.3	21.0	21.4	21.7	21.8	21.9	21.4	20.8	19.9	18.8
82.5°	32.8	33.4	33.8	36.2	38.2	39.6	40.4	40.5	39.9	38.6	36.4
80°	41.3	44.0	46.9	52.1	56.7	60.5	63.4	65.3	66.6	67.0	65.1
77.5°	49.0	53.3	58.2	66.1	73.4	80.2	85.9	89.5	91.4	92.5	90.1
75°	49.7	55.2	62.6	73.7	84.3	94.2	101.5	106.2	110.2	113.5	111.0
72.5°	43.7	49.2	58.0	71.6	85.8	98.1	108.7	117.6	124.9	130.5	125.9
70°	35.6	39.6	48.1	60.7	74.1	88.1	103.2	118.8	134.9	145.3	137.0
67.5°	29.2	31.4	37.8	47.5	59.3	72.6	87.9	105.7	122.9	139.6	136.5
65°	24.9	26.7	31.0	37.7	46.1	56.3	68.1	82.9	101.1	120.0	121.6
62.5°	22.2	23.4	26.4	30.6	35.8	42.5	51.6	64.0	78.2	89.9	96.1
60°	21.7	22.0	24.2	26.7	29.5	33.6	41.3	49.9	59.3	69.3	74.6
57.5°	23.9	24.3	25.8	26.9	27.6	30.7	35.4	40.9	49.4	55.7	59.6
55°	28.9	30.6	31.8	31.9	31.3	32.7	33.8	36.8	43.1	49.1	54.4
52.5°	33.1	36.5	39.4	41.4	41.6	40.2	37.7	38.7	42.2	48.1	53.0
50°	43.0	47.1	48.8	49.1	53.4	53.4	50.3	46.4	52.1	54.8	55.0
47.5°	68.4	72.7	68.5	67.2	74.9	72.9	69.8	69.5	76.3	70.8	68.5
45°	127.8	127.7	116.9	120.2	117.9	114.2	101.7	112.5	114.4	108.1	89.3
42.5°	232.1	221.7	208.2	212.2	207.3	190.6	169.6	175.0	171.6	157.8	146.7
40°	378.7	352.6	340.3	336.4	327.5	303.7	283.8	255.3	246.0	225.2	221.7
37.5°	558.8	519.1	507.5	484.6	466.4	461.5	430.4	378.4	332.7	352.5	327.3
35°	781.6	745.5	738.8	680.7	638.7	727.2	645.1	542.0	518.3	566.9	484.0
32.5°	1140.6	1298.5	1156.8	1031.9	1174.0	1194.0	1041.2	795.6	916.7	914.2	763.7
30°	2433.9	2464.1	2275.9	1929.1	2136.9	2087.6	1643.2	1584.3	1549.8	1386.9	1133.9
27.5°	4701.7	4213.0	3935.5	3748.1	3449.8	3287.9	2931.5	2563.5	2357.4	2059.3	1661.3
25°	7471.2	6785.4	6170.3	5780.4	5267.2	4747.2	4325.8	3806.1	3360.1	2882.4	2324.1
22.5°	10459.5	9650.4	8803.2	8016.2	7301.2	6577.3	5833.1	5091.3	4459.3	3838.1	3127.7
20°	13637.4	12635.6	11502.7	10520.9	9539.4	8515.4	7485.4	6590.2	5770.1	4891.9	3992.6
17.5°	17380.5	15900.9	14498.0	13226.0	11912.7	10605.0	9528.1	8402.1	7207.8	6001.7	4890.8
15°	21419.6	19624.9	17889.2	16171.3	14528.7	13101.5	11752.9	10320.4	8779.6	7232.6	5911.8
12.5°	25693.9	23438.7	21278.7	19286.7	17467.8	15728.8	14050.1	12328.3	10459.9	8625.2	7108.8
10°	29855.3	27214.3	24797.8	22504.0	20372.7	18354.8	16256.9	14173.5	12059.9	9998.4	8264.5
7.5°	33701.5	30840.2	28132.3	25409.5	22796.2	20468.1	18190.5	15902.4	13590.7	11298.8	9371.0
5°	36905.5	33666.0	30558.6	27554.4	24742.8	22384.3	20008.1	17538.9	15032.2	12516.4	10417.8
2.5°	39070.6	35767.3	32602.6	29432.6	26349.8	23924.6	21425.3	18782.0	16038.8	13320.1	11097.6
0°	40635.0	36992.1	33670.2	30409.3	27101.2	24757.9	22290.6	19646.0	16759.3	13955.2	11702.6
-2.5°	40645.3	36960.1	33637.6	30190.3	26940.7	24398.6	21991.3	19430.6	16762.0	14068.7	11840.6
-5°	40081.1	36447.9	33129.2	29764.7	26513.3	23940.4	21580.4	19133.1	16641.4	14081.3	11896.2
-7.5°	39220.4	35683.6	32361.0	29015.3	25861.9	23353.1	21075.2	18781.7	16422.3	14007.0	11876.5
-10°	38036.0	34675.4	31472.5	28152.3	25119.4	22637.4	20477.9	18346.3	16111.3	13832.7	11781.4
-12.5°	36501.4	33292.9	30315.2	27136.6	24267.0	21962.2	19858.3	17831.9	15726.2	13561.9	11614.5
-15°	34427.6	31640.5	28853.4	25972.6	23327.6	21166.4	19148.8	17173.2	15095.6	13097.3	11379.9
-17.5°	32202.1	29761.9	27272.5	24514.2	22136.0	20239.2	18327.6	16349.1	14296.7	12336.8	10761.1
-20°	29579.7	27353.2	25253.4	22864.1	20588.9	18766.3	17193.3	15391.8	13337.3	11512.7	10018.7



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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°	26482.1	24576.3	22647.5	20648.5	18787.6	17099.1	15568.5	14014.0	12213.5	10562.4	9205.6
-25°	23303.7	21632.1	19904.3	18308.1	16761.2	15237.1	13839.1	12410.8	10986.4	9574.1	8339.8
-27.5°	20206.7	18743.6	17300.4	16023.7	14775.4	13442.9	12120.8	10900.3	9800.9	8669.8	7507.6
-30°	17473.9	16525.4	15259.2	14022.0	13172.6	11999.3	10585.9	9713.9	8838.7	7862.7	6828.7
-32.5°	15735.5	14837.2	13726.4	12743.3	11870.0	10806.2	9740.1	8715.0	8012.9	7173.6	6309.4
-35°	14300.7	13472.8	12580.4	11702.6	10804.2	9905.3	8968.6	8110.2	7310.2	6551.4	5820.1
-37.5°	12920.1	12209.4	11463.6	10675.0	9900.0	9086.3	8275.5	7485.8	6702.6	6024.1	5375.7
-40°	11625.9	11014.8	10406.0	9716.4	9015.6	8300.0	7575.7	6844.0	6166.2	5523.6	4942.6
-42.5°	10426.8	9922.2	9393.8	8781.9	8146.1	7519.3	6873.0	6232.1	5626.6	5062.1	4528.1
-45°	9307.2	8867.4	8385.7	7869.8	7305.3	6753.0	6182.2	5638.6	5111.5	4609.1	4107.8
-47.5°	8265.4	7880.8	7447.0	6999.1	6517.3	6024.4	5559.6	5072.7	4616.1	4155.4	3722.5
-50°	7335.5	7010.0	6629.7	6211.2	5820.8	5405.4	4981.0	4541.8	4141.6	3754.2	3356.9
-52.5°	6580.1	6267.8	5929.4	5566.3	5202.1	4828.5	4436.9	4085.7	3729.3	3384.4	3034.5
-55°	5893.0	5613.3	5312.5	4979.2	4628.8	4326.2	4006.2	3680.0	3361.0	3040.1	2752.3
-57.5°	5319.5	5054.0	4771.4	4478.2	4175.3	3887.2	3598.4	3301.6	3024.9	2758.5	2491.2
-60°	4788.3	4539.1	4286.8	4021.1	3741.6	3467.6	3234.6	2988.6	2729.8	2503.3	2275.7
-62.5°	4307.2	4081.0	3846.4	3616.3	3383.0	3151.2	2929.8	2713.0	2493.5	2277.7	2083.8
-65°	3879.6	3687.0	3480.4	3270.8	3064.1	2861.5	2661.0	2465.3	2278.8	2097.7	1909.1
-67.5°	3455.3	3285.5	3107.2	2926.6	2750.7	2580.4	2407.9	2237.9	2067.0	1900.4	1724.5
-70°	3010.4	2870.0	2725.1	2577.7	2429.5	2282.9	2130.6	1977.1	1828.4	1681.1	1525.4
-72.5°	2542.9	2427.4	2308.3	2187.8	2069.4	1950.5	1823.2	1690.3	1561.8	1438.4	1311.0
-75°	2059.7	1964.3	1867.5	1774.1	1680.8	1588.4	1491.4	1385.6	1282.3	1182.1	1079.7
-77.5°	1569.5	1493.5	1418.6	1353.0	1287.3	1222.2	1153.5	1073.2	994.0	915.9	836.3
-80°	1086.1	1038.0	990.2	949.8	907.2	862.7	814.6	756.5	698.9	645.4	594.5
-82.5°	663.6	639.3	613.7	590.1	565.0	538.5	510.3	476.8	443.4	410.2	376.6
-85°	332.2	321.0	309.2	299.6	289.1	277.7	265.5	250.5	234.7	218.1	200.7
-87.5°	121.9	117.5	113.0	109.8	106.3	102.8	99.1	93.7	88.3	82.9	77.6
-90°	4.9	5.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9





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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°	17.2	16.8	16.3	15.8	15.3	14.8	14.3	13.8	13.3	12.8	12.3
87.5°	10.4	12.0	13.4	14.7	14.0	13.3	12.7	12.0	12.0	11.9	11.7
85°	19.3	19.9	20.7	21.7	20.4	18.7	17.4	16.2	16.2	16.0	15.6
82.5°	32.9	31.2	30.3	29.7	29.2	28.1	26.3	23.9	21.4	20.1	19.5
80°	58.0	51.7	46.1	41.4	38.7	37.6	36.2	33.5	28.0	24.2	22.1
77.5°	80.6	71.9	63.9	56.2	49.5	44.9	42.4	40.9	34.4	28.1	24.1
75°	100.7	89.4	78.8	68.7	59.2	51.5	46.0	42.1	36.8	31.5	25.7
72.5°	113.9	102.5	91.6	79.9	67.4	57.2	49.1	43.2	37.8	32.4	27.0
70°	124.1	112.8	101.2	87.9	74.6	62.1	51.9	44.8	38.7	33.2	27.7
67.5°	130.9	117.4	105.9	94.5	80.8	67.1	54.4	46.6	40.3	34.0	28.4
65°	117.5	113.0	107.3	95.5	83.9	71.7	58.1	48.8	41.7	35.3	29.0
62.5°	100.0	100.6	97.2	93.4	84.2	72.8	61.7	52.4	43.4	36.5	29.8
60°	78.3	82.9	86.0	84.7	80.8	72.6	63.0	55.7	46.3	37.6	30.8
57.5°	64.8	66.7	71.5	75.0	73.9	69.4	63.8	57.4	49.0	39.6	31.8
55°	56.1	59.0	60.8	63.7	66.3	64.1	63.3	58.4	51.1	41.7	33.1
52.5°	55.8	56.8	57.2	56.4	57.6	59.6	60.6	59.4	52.2	43.5	35.3
50°	58.1	63.2	59.9	55.9	51.5	54.7	58.2	57.7	53.2	45.1	37.7
47.5°	68.6	75.7	71.5	60.1	53.4	50.6	55.2	56.0	54.3	46.1	40.0
45°	96.9	95.8	89.4	75.5	58.6	54.2	52.5	54.5	53.1	48.5	42.3
42.5°	135.4	130.0	116.1	93.7	81.9	61.7	50.5	52.9	52.0	51.3	44.8
40°	203.2	174.6	151.0	137.1	117.0	71.6	57.9	51.7	51.5	54.1	47.5
37.5°	282.5	239.7	198.8	199.6	165.0	111.5	67.5	51.2	54.6	56.4	50.4
35°	398.3	322.9	297.5	284.6	234.1	158.4	78.4	55.0	58.9	59.5	53.5
32.5°	531.3	484.6	467.5	392.3	315.0	212.2	110.9	70.6	64.5	63.2	56.7
30°	845.2	770.6	690.9	517.0	411.4	287.8	163.9	86.7	71.2	67.5	60.1
27.5°	1351.3	1109.7	965.8	719.4	529.4	374.2	230.5	103.0	79.1	72.7	63.4
25°	1897.4	1558.3	1294.0	975.3	658.2	507.8	305.3	121.3	91.2	79.0	67.1
22.5°	2514.2	2043.3	1657.6	1262.1	862.7	662.9	401.4	179.9	105.1	85.8	71.1
20°	3139.5	2535.4	2071.2	1615.8	1129.4	839.1	522.4	241.9	118.9	93.2	75.2
17.5°	3793.5	3160.9	2636.0	2020.0	1428.0	1024.9	653.3	306.3	132.6	100.9	79.5
15°	4793.8	3957.1	3242.5	2460.9	1724.1	1217.2	791.1	371.6	145.9	108.9	88.2
12.5°	5833.3	4768.0	3875.0	2927.6	2014.6	1413.1	932.7	436.5	158.8	125.5	102.7
10°	6846.5	5582.7	4521.4	3407.7	2296.4	1609.2	1074.5	522.2	197.9	149.1	117.4
7.5°	7824.6	6389.3	5168.1	3888.0	2588.6	1866.8	1331.4	655.3	242.0	173.2	132.2
5°	8704.1	7097.2	5778.9	4391.9	2987.2	2184.1	1605.8	787.7	286.7	197.3	146.9
2.5°	9295.5	7637.0	6340.4	4862.5	3367.5	2489.4	1872.4	915.3	331.1	221.1	161.3
0°	9820.1	8124.6	6856.5	5289.1	3725.6	2780.4	2122.7	1033.8	374.1	244.2	175.3
-2.5°	9952.8	8245.3	7015.9	5550.0	4027.0	3046.4	2348.8	1216.8	513.6	330.5	230.1
-5°	10015.8	8325.4	7134.9	5767.9	4300.1	3294.3	2547.6	1383.9	648.1	414.4	283.5
-7.5°	10029.2	8389.5	7198.3	5924.7	4543.1	3522.6	2716.9	1532.9	775.1	494.6	334.7
-10°	9983.3	8415.3	7180.9	5883.9	4558.3	3616.7	2830.0	1661.6	892.0	569.8	382.9
-12.5°	9876.4	8381.9	7121.0	5793.3	4504.1	3581.8	2756.9	1710.3	992.5	638.9	427.5
-15°	9711.8	8285.4	7018.8	5651.2	4415.8	3524.1	2674.2	1717.9	1053.9	699.5	467.7
-17.5°	9406.8	8122.5	6874.6	5456.2	4292.2	3442.4	2586.0	1715.1	1106.4	751.6	506.0
-20°	8759.6	7708.5	6676.6	5207.5	4132.5	3336.1	2496.3	1703.3	1149.7	796.7	541.7



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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°	8072.7	7122.8	6149.1	4988.9	3964.1	3204.4	2408.7	1683.4	1183.2	834.3	572.2
-25°	7335.5	6527.8	5594.7	4631.6	3801.0	3068.0	2342.8	1656.7	1206.8	863.8	597.2
-27.5°	6645.3	5928.0	5073.6	4279.0	3570.2	2946.9	2291.6	1673.5	1226.2	884.9	616.2
-30°	5987.1	5364.7	4656.3	3953.9	3336.4	2786.8	2237.1	1680.3	1246.7	902.5	629.0
-32.5°	5512.1	4860.8	4277.2	3688.2	3131.7	2617.5	2132.0	1674.4	1255.8	914.9	638.9
-35°	5136.2	4487.6	3923.3	3425.6	2934.4	2458.6	2007.4	1655.8	1253.1	918.6	643.7
-37.5°	4747.8	4167.5	3641.8	3182.4	2731.5	2293.3	1902.9	1575.0	1238.6	913.6	642.3
-40°	4385.5	3852.2	3379.2	2956.4	2538.7	2121.8	1790.5	1494.0	1221.2	899.6	634.5
-42.5°	4010.3	3546.2	3122.5	2725.9	2346.0	1989.0	1673.5	1407.8	1162.4	881.7	620.3
-45°	3656.6	3237.3	2862.6	2509.8	2155.9	1849.4	1572.7	1318.9	1094.8	857.8	602.6
-47.5°	3297.5	2946.5	2614.4	2290.3	1995.2	1710.5	1466.8	1239.7	1023.9	824.9	583.1
-50°	2977.1	2669.2	2378.0	2100.1	1828.1	1589.2	1361.0	1157.0	959.0	767.2	557.7
-52.5°	2703.8	2418.4	2165.9	1918.2	1687.2	1462.9	1266.3	1072.0	891.3	713.0	526.6
-55°	2457.8	2195.0	1970.4	1757.8	1549.8	1352.4	1168.1	994.1	820.9	658.8	491.0
-57.5°	2246.3	1993.4	1799.3	1608.3	1424.7	1245.3	1075.3	913.5	754.8	602.0	458.5
-60°	2047.8	1833.1	1638.5	1472.9	1306.5	1141.8	984.5	833.1	688.0	544.6	417.8
-62.5°	1882.9	1678.3	1497.8	1344.1	1193.0	1043.1	892.6	755.7	618.6	491.3	373.0
-65°	1719.1	1534.7	1359.8	1223.2	1083.8	942.1	804.9	675.7	551.5	435.1	328.9
-67.5°	1551.5	1386.7	1235.1	1103.7	969.5	838.9	713.8	595.0	482.5	376.4	290.2
-70°	1373.9	1233.0	1097.8	970.5	848.7	731.0	618.1	511.9	410.8	326.0	249.5
-72.5°	1180.8	1057.4	941.3	830.7	720.4	616.3	518.5	428.0	347.4	273.7	207.1
-75°	973.5	870.4	772.5	678.2	585.3	498.2	421.6	350.3	281.9	219.4	168.7
-77.5°	751.6	671.0	594.9	524.2	453.1	387.1	326.4	270.1	217.4	172.1	131.1
-80°	537.7	482.0	427.7	374.5	321.8	273.5	235.4	198.5	159.8	124.4	92.5
-82.5°	336.5	302.5	271.3	241.2	211.2	182.4	155.1	128.9	101.1	75.9	61.1
-85°	181.1	162.1	143.7	126.0	107.7	90.4	81.9	73.5	63.2	53.7	45.0
-87.5°	73.7	69.9	66.0	62.1	57.3	52.7	48.1	43.7	38.3	33.3	28.7
-90°	6.4	6.9	7.4	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	11.8	11.3	10.8	10.3	9.8	8.9	7.9
87.5°	11.5	10.6	9.8	9.1	8.6	8.2	7.9
85°	15.0	13.2	11.7	10.3	9.3	8.5	7.9
82.5°	18.5	15.8	13.5	11.5	10.0	8.8	7.9
80°	21.6	18.4	15.3	12.7	10.6	9.1	7.9
77.5°	22.0	20.1	17.1	13.9	11.3	9.4	7.9
75°	22.3	20.2	18.5	15.0	11.9	9.7	7.9
72.5°	22.6	20.2	18.4	16.2	12.6	10.0	7.9
70°	22.9	20.2	18.3	17.0	13.2	10.2	7.9
67.5°	23.7	20.2	18.1	16.8	13.8	10.5	7.9
65°	24.5	20.5	17.9	16.5	14.4	10.8	7.9
62.5°	25.2	21.2	17.7	16.3	15.0	11.0	7.9
60°	26.0	21.9	17.4	16.0	15.5	11.3	7.9
57.5°	27.1	22.5	17.9	15.7	15.4	11.5	7.9
55°	28.4	23.2	18.5	15.4	15.3	11.8	7.9
52.5°	29.7	23.9	19.0	15.0	15.2	12.0	7.9
50°	30.9	25.0	19.5	14.7	15.2	12.2	7.9
47.5°	32.3	26.0	19.9	14.5	15.1	12.4	7.9
45°	34.3	27.1	20.4	14.8	15.1	12.6	7.9
42.5°	36.3	28.2	20.8	15.1	15.1	12.7	7.9
40°	38.2	29.2	21.4	15.7	15.1	12.9	7.9
37.5°	40.2	30.2	22.2	16.5	15.2	13.1	7.9
35°	42.0	31.5	22.9	17.4	15.3	13.2	7.9
32.5°	44.0	32.9	23.6	18.3	15.4	13.3	7.9
30°	46.6	34.3	24.2	19.1	15.5	13.4	7.9
27.5°	49.1	35.6	26.2	20.1	15.6	13.5	7.9
25°	51.7	36.8	28.3	21.0	15.8	13.6	7.9
22.5°	54.3	39.0	30.6	21.9	16.0	13.7	7.9
20°	56.8	43.9	32.9	22.9	16.1	13.8	7.9
17.5°	63.4	49.1	35.3	23.8	16.3	13.8	7.9
15°	72.6	54.5	37.7	24.7	16.5	13.8	7.9
12.5°	82.1	60.0	40.1	25.6	16.7	13.9	7.9
10°	91.6	65.5	42.5	26.5	16.9	13.9	7.9
7.5°	101.0	71.0	44.8	27.3	17.1	13.9	7.9
5°	110.3	76.4	47.1	28.1	17.3	13.9	7.9
2.5°	119.3	81.6	49.2	28.8	17.5	13.8	7.9
0°	128.0	86.6	51.2	29.5	17.7	13.8	7.9
-2.5°	161.2	105.2	61.2	33.9	19.0	14.1	7.9
-5°	193.4	123.2	70.8	38.1	20.2	14.3	7.9
-7.5°	224.3	140.4	80.1	42.2	21.5	14.5	7.9
-10°	253.4	156.7	88.9	46.1	22.6	14.7	7.9
-12.5°	280.2	171.8	97.1	49.7	23.8	14.9	7.9
-15°	304.4	185.5	104.5	52.9	24.8	15.1	7.9
-17.5°	325.6	197.6	111.1	55.9	25.8	15.2	7.9
-20°	346.3	208.0	116.8	58.4	26.6	15.4	7.9



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	368.3	216.6	121.5	60.5	27.4	15.5	7.9
-25°	386.6	227.7	125.1	62.1	28.1	15.5	7.9
-27.5°	400.8	238.3	127.6	63.2	28.6	15.6	7.9
-30°	410.9	246.3	129.3	63.8	29.1	15.6	7.9
-32.5°	416.5	251.6	133.2	63.9	29.4	15.6	7.9
-35°	421.0	253.9	135.6	63.3	29.6	15.6	7.9
-37.5°	422.7	254.5	136.4	62.2	29.6	15.6	7.9
-40°	419.9	254.6	135.5	60.5	29.6	15.5	7.9
-42.5°	412.8	252.1	134.3	58.9	29.3	15.4	7.9
-45°	401.3	246.9	133.0	57.8	29.0	15.2	7.9
-47.5°	385.4	239.1	130.3	56.0	28.5	15.1	7.9
-50°	370.7	228.7	126.2	55.4	27.8	14.9	7.9
-52.5°	353.2	215.7	120.8	54.8	27.1	14.6	7.9
-55°	332.1	204.7	114.0	53.6	26.2	14.4	7.9
-57.5°	307.5	192.5	105.9	51.7	25.2	14.1	7.9
-60°	280.6	178.3	96.9	49.2	24.0	13.8	7.9
-62.5°	257.9	162.4	90.4	46.1	23.1	13.5	7.9
-65°	232.7	144.7	82.9	42.5	22.2	13.1	7.9
-67.5°	205.2	127.9	74.4	38.4	21.2	12.8	7.9
-70°	175.6	112.1	65.1	33.9	20.1	12.4	7.9
-72.5°	149.3	95.2	55.0	30.9	18.9	12.0	7.9
-75°	122.1	77.1	44.2	28.3	17.7	11.6	7.9
-77.5°	93.6	58.1	38.1	25.5	16.5	11.1	7.9
-80°	63.9	45.9	32.9	22.6	15.2	10.7	7.9
-82.5°	49.6	37.5	27.5	19.6	13.9	10.3	7.9
-85°	37.1	28.9	22.0	16.6	12.5	9.8	7.9
-87.5°	24.5	20.1	16.4	13.4	11.2	9.3	7.9
-90°	7.9	7.9	7.9	7.9	7.9	7.9	7.9

(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

