

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: P701717 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-70-5S-CV5-S**

Issue Date: 8/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P701717 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0680R-57-70-5S-CV5-S  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

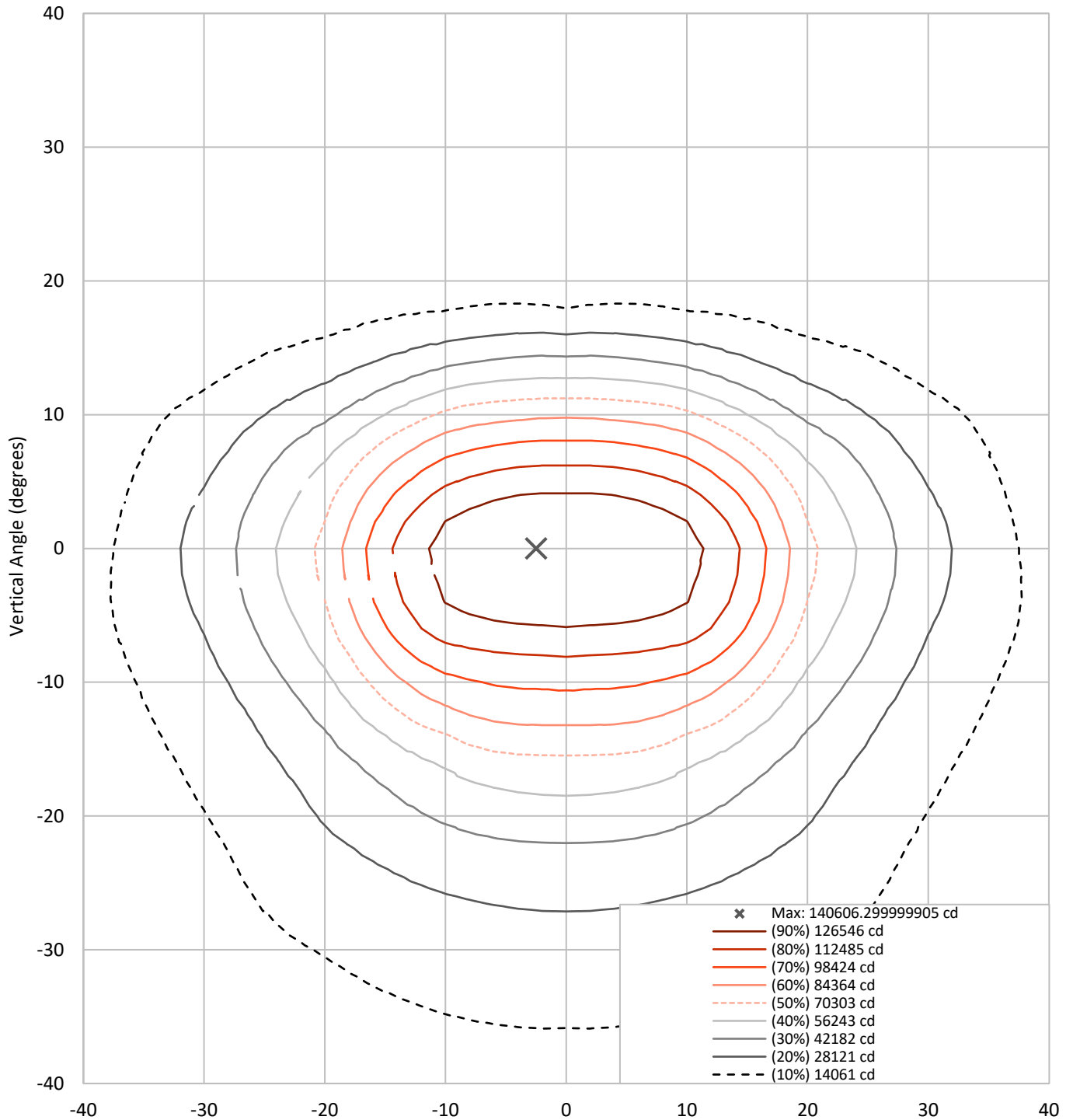
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	55716.1 lumens	Max Intensity:	140606.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	79.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	27614.1 lumens	Field Lumens:	49945.3 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

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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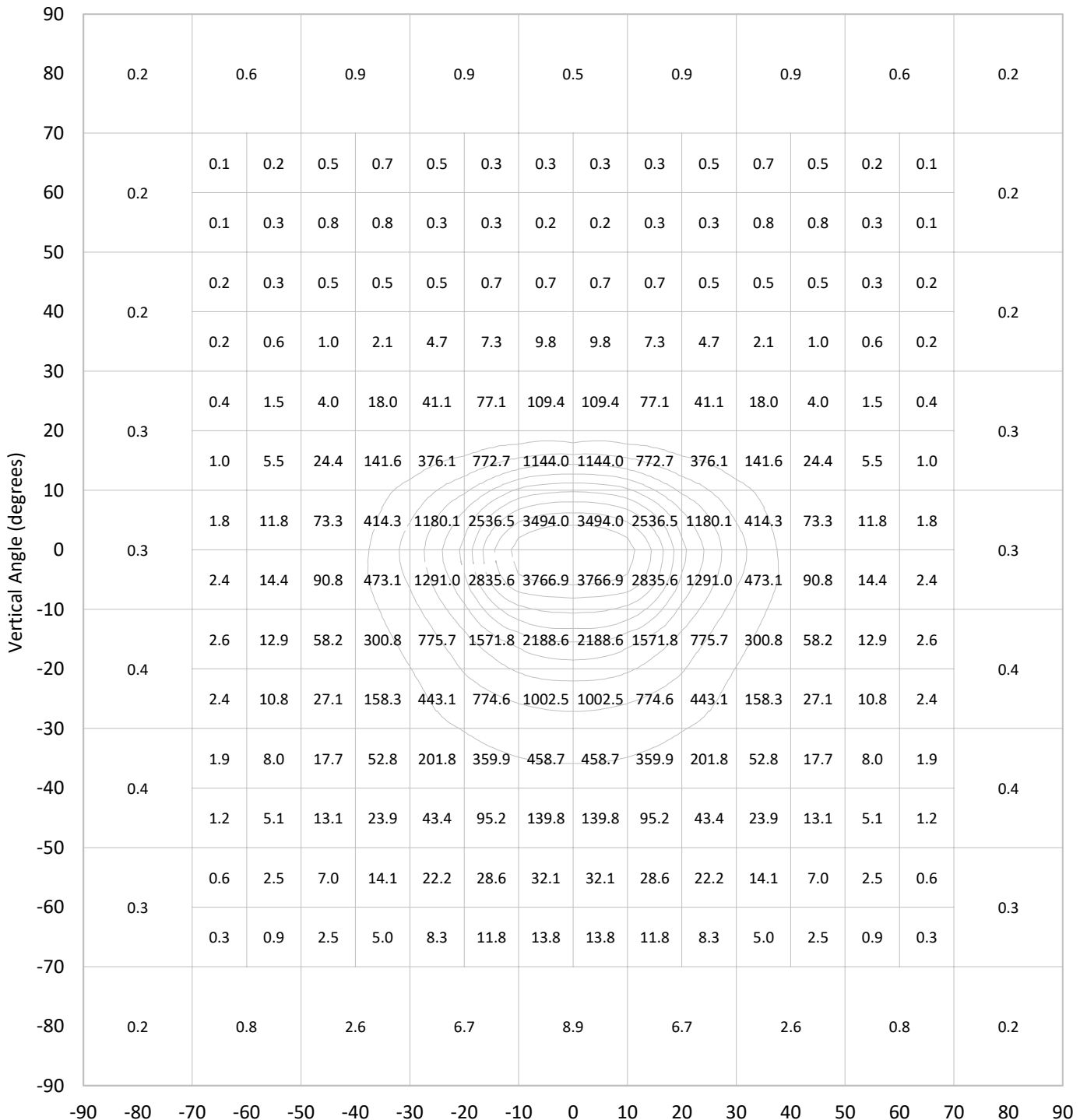
### Iso-Candela Plot





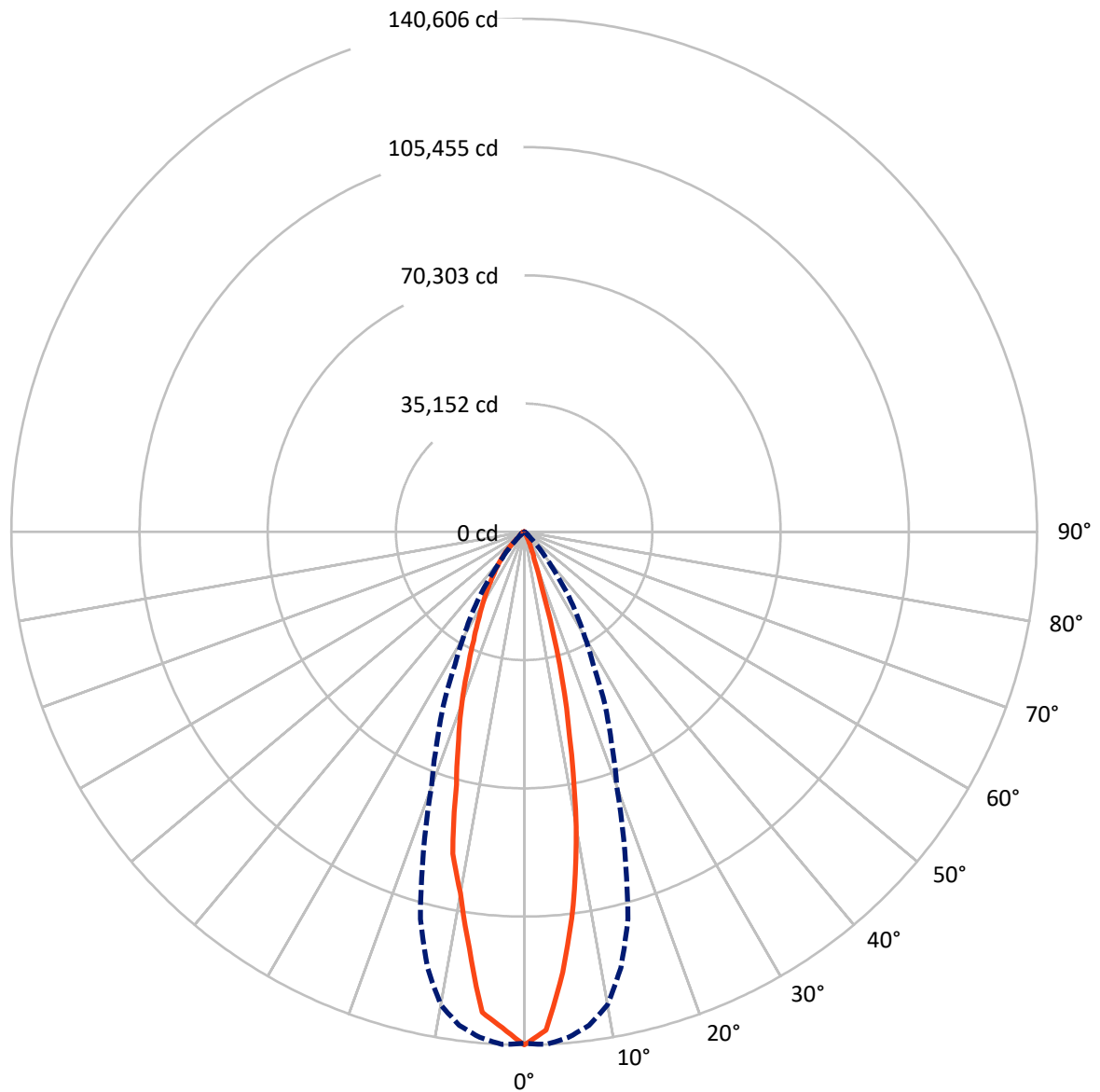
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### Lumen Table



REPORT NUMBER: P701717 (CONVERTED FROM TYPE C PHOTOMETRY)  
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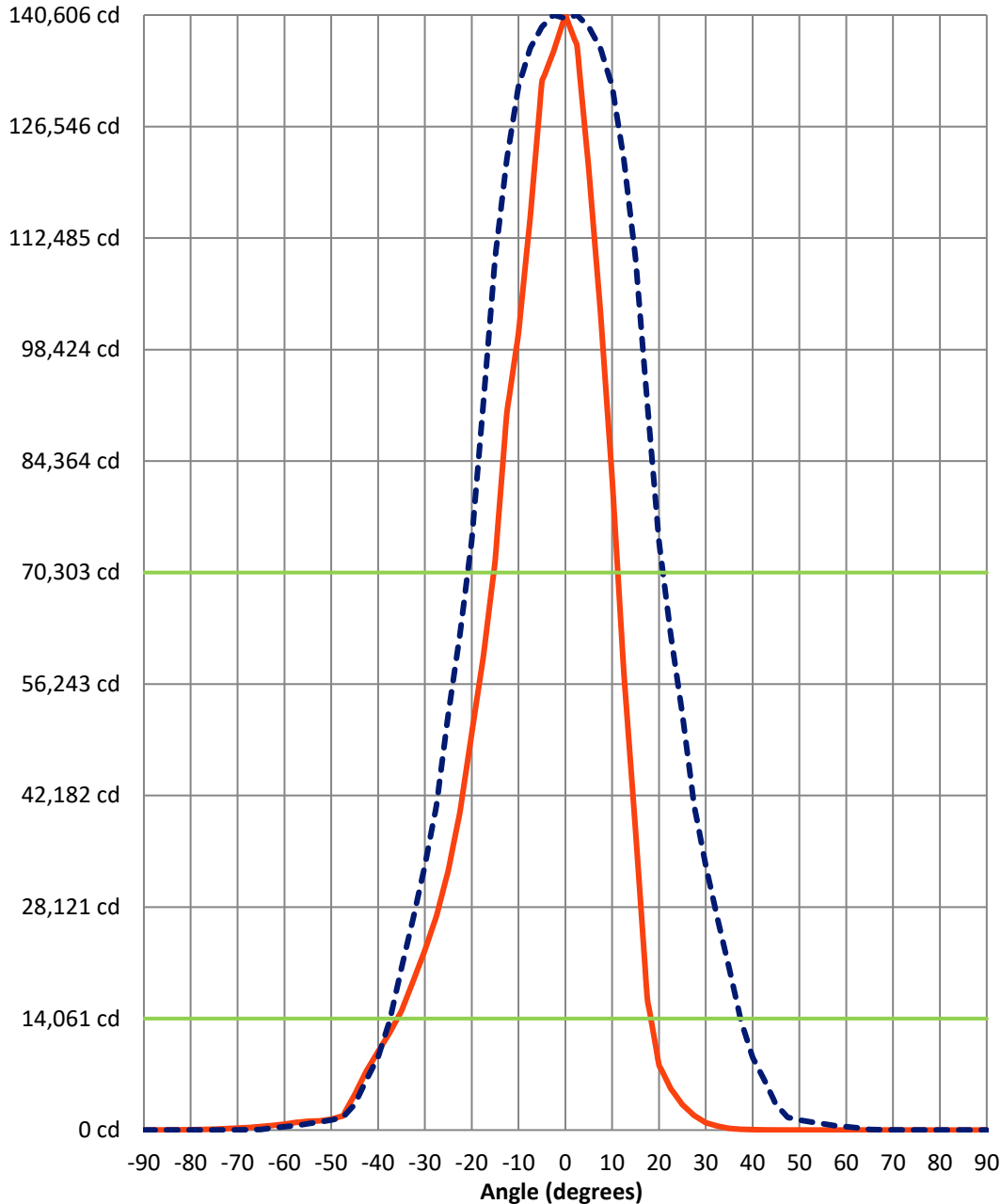
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.7°  
 V Angle: 26.5°  
 Lumens: 27614.1  
 Efficiency: 49.6%

**Field:**  
 H Angle: 74.8°  
 V Angle: 54.1°  
 Lumens: 49945.3  
 Efficiency: 89.6%

**Spill:**  
 Lumens: 5770.8  
 Efficiency: 10.4%

— Vertical Distribution through -2.5-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°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
87.5°	8.5	8.5	8.7	8.8	8.9	9.0	9.1	9.0	8.9	8.7	8.5
85°	8.5	8.6	8.9	9.1	9.3	9.5	9.6	9.5	9.3	8.9	8.5
82.5°	8.5	8.6	9.1	9.4	9.6	9.9	10.2	10.0	9.7	9.3	9.1
80°	8.5	8.7	9.3	9.6	10.0	10.4	10.7	10.3	10.0	9.9	10.0
77.5°	8.5	8.7	9.4	9.9	10.4	10.7	10.7	10.5	10.4	10.5	10.7
75°	8.5	8.8	9.6	10.2	10.7	10.7	10.7	10.6	10.7	10.7	10.7
72.5°	8.5	8.8	9.8	10.5	10.7	10.7	10.7	10.7	10.7	10.7	10.7
70°	8.5	8.9	9.9	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
67.5°	8.5	8.9	10.1	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
65°	8.5	8.9	10.2	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
62.5°	8.5	9.0	10.3	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
60°	8.5	9.0	10.4	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
57.5°	8.5	9.0	10.4	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
55°	8.5	9.0	10.4	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
52.5°	8.5	9.0	10.3	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
50°	8.5	9.0	10.3	10.7	10.7	10.7	10.7	10.8	10.7	10.7	11.3
47.5°	8.5	9.0	10.3	10.7	10.7	10.7	10.7	11.0	10.7	10.7	12.0
45°	8.5	9.1	10.3	10.7	10.7	10.7	10.9	11.2	10.9	11.3	12.7
42.5°	8.5	9.0	10.3	10.7	10.7	10.7	11.1	11.4	11.2	11.9	13.5
40°	8.5	9.0	10.3	10.7	10.7	10.7	11.3	11.7	11.6	12.5	14.2
37.5°	8.5	9.0	10.3	10.7	10.7	10.7	11.6	12.0	12.4	13.3	14.7
35°	8.5	9.0	10.4	10.7	10.7	10.8	11.9	12.4	13.1	14.3	15.1
32.5°	8.5	9.0	10.4	10.7	10.7	11.1	12.2	12.8	13.9	15.2	16.5
30°	8.5	9.0	10.4	10.7	10.7	11.3	12.5	13.3	14.6	16.3	18.1
27.5°	8.5	9.0	10.4	10.7	10.7	11.5	12.9	13.9	15.4	17.4	20.0
25°	8.5	8.9	10.5	10.7	10.7	11.8	13.3	14.5	16.3	18.8	22.1
22.5°	8.5	8.9	10.5	10.7	10.7	12.0	13.6	15.1	17.2	20.4	26.0
20°	8.5	8.9	10.5	10.7	10.7	12.2	14.0	15.7	18.1	22.2	30.3
17.5°	8.5	8.8	10.6	10.7	10.7	12.3	14.3	16.2	19.0	24.0	35.1
15°	8.5	8.8	10.6	10.7	10.7	12.4	14.5	16.6	19.9	25.9	40.1
12.5°	8.5	8.7	10.6	10.7	10.7	12.5	14.6	16.7	20.6	27.8	45.3
10°	8.5	8.7	10.6	10.7	10.7	12.6	14.7	16.9	21.3	30.3	51.1
7.5°	8.5	8.6	10.7	10.7	10.7	12.7	14.8	17.0	21.9	33.0	57.9
5°	8.5	8.6	10.7	10.7	10.7	12.8	14.9	17.0	22.5	35.6	64.6
2.5°	8.5	8.5	10.7	10.7	10.7	12.8	14.9	17.1	23.1	38.2	71.0
0°	8.5	8.5	10.7	10.7	10.7	12.8	14.9	17.1	23.5	40.5	76.8
-2.5°	8.5	8.5	10.7	10.7	10.9	13.0	15.2	19.1	29.2	50.9	93.8
-5°	8.5	8.6	10.7	10.7	11.1	13.2	15.4	21.0	34.7	60.8	109.6
-7.5°	8.5	8.6	10.7	10.7	11.2	13.4	15.7	22.7	39.7	69.8	124.0
-10°	8.5	8.7	10.6	10.7	11.4	13.6	15.9	24.2	44.1	77.9	136.5
-12.5°	8.5	8.7	10.6	10.7	11.5	13.7	16.0	25.3	47.6	84.8	146.1
-15°	8.5	8.8	10.6	10.7	11.6	13.8	16.2	26.1	50.6	90.5	153.2
-17.5°	8.5	8.8	10.6	10.7	11.7	13.9	16.3	27.3	53.2	94.7	158.0
-20°	8.5	8.9	10.5	10.7	11.8	14.0	16.8	28.8	54.7	97.1	160.3



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.5	8.9	10.5	10.7	11.8	14.0	17.8	29.8	55.2	97.7	159.9
-25°	8.5	8.9	10.5	10.7	11.8	14.1	18.4	30.3	54.5	96.4	156.6
-27.5°	8.5	9.0	10.4	10.7	11.8	14.1	18.7	30.2	52.6	93.9	154.7
-30°	8.5	9.0	10.4	10.7	11.7	14.0	18.6	29.6	51.5	91.6	150.2
-32.5°	8.5	9.0	10.4	10.7	11.6	13.9	18.0	29.4	50.6	87.6	142.9
-35°	8.5	9.0	10.4	10.7	11.4	13.6	17.6	28.8	49.0	81.8	132.8
-37.5°	8.5	9.0	10.3	10.7	11.3	13.3	17.3	27.6	46.6	74.3	119.0
-40°	8.5	9.0	10.3	10.7	11.1	13.1	16.8	25.7	43.3	69.3	106.0
-42.5°	8.5	9.0	10.3	10.7	11.1	12.9	16.1	23.1	40.1	63.0	92.1
-45°	8.5	9.1	10.3	10.8	11.1	12.6	15.3	20.8	36.3	55.8	78.2
-47.5°	8.5	9.0	10.3	10.8	11.2	12.4	14.3	19.6	31.6	48.0	69.3
-50°	8.5	9.0	10.3	10.8	11.3	12.1	13.8	18.1	25.5	41.1	59.6
-52.5°	8.5	9.0	10.3	10.9	11.3	11.8	13.5	16.4	22.1	33.8	49.4
-55°	8.5	9.0	10.4	10.9	11.4	11.8	13.1	14.7	19.8	26.1	40.6
-57.5°	8.5	9.0	10.4	10.9	11.4	11.9	12.7	14.3	17.4	22.2	31.4
-60°	8.5	9.0	10.4	10.9	11.5	11.9	12.4	13.8	15.3	19.5	23.9
-62.5°	8.5	9.0	10.3	10.8	11.4	12.0	12.5	13.3	14.8	16.6	20.8
-65°	8.5	8.9	10.2	10.8	11.3	12.0	12.5	13.0	14.2	15.5	17.6
-67.5°	8.5	8.9	10.1	10.8	11.2	11.9	12.6	13.0	13.6	14.8	16.1
-70°	8.5	8.9	9.9	10.7	11.0	11.7	12.6	12.9	13.4	14.1	15.3
-72.5°	8.5	8.8	9.8	10.5	10.9	11.4	12.2	12.8	13.1	13.7	14.5
-75°	8.5	8.8	9.6	10.2	10.7	11.1	11.8	12.3	12.8	13.2	13.8
-77.5°	8.5	8.7	9.4	9.9	10.4	10.8	11.3	11.7	12.2	12.6	13.0
-80°	8.5	8.7	9.3	9.6	10.0	10.4	10.8	11.1	11.5	11.8	12.1
-82.5°	8.5	8.6	9.1	9.4	9.6	9.9	10.2	10.5	10.7	11.0	11.3
-85°	8.5	8.6	8.9	9.1	9.3	9.5	9.6	9.8	10.0	10.2	10.4
-87.5°	8.5	8.5	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.3	9.4
-90°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5





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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
87.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
85°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
82.5°	9.1	9.1	8.9	8.5	8.5	8.5	8.6	8.8	8.9	8.8	8.7
80°	10.0	9.7	9.4	9.2	9.4	9.7	10.0	10.3	10.1	9.7	9.1
77.5°	10.4	10.2	10.2	10.4	10.7	10.7	10.7	10.7	10.3	9.7	9.2
75°	10.6	10.7	10.7	10.7	10.7	10.7	10.7	11.1	11.2	11.0	10.9
72.5°	10.7	10.7	10.7	10.7	10.8	11.1	11.6	12.4	12.8	12.7	12.6
70°	10.7	10.7	10.7	10.7	10.8	11.6	12.6	13.7	14.4	14.7	15.6
67.5°	10.7	10.7	10.7	10.8	11.6	12.7	13.9	15.9	18.4	19.6	20.9
65°	10.7	10.7	11.0	11.7	12.7	14.2	16.4	19.3	24.9	28.1	29.4
62.5°	10.7	10.9	11.4	12.4	13.8	15.7	19.9	26.2	34.2	38.8	38.3
60°	10.7	11.0	12.0	13.4	15.0	18.2	24.3	32.6	43.3	51.1	46.1
57.5°	10.7	11.4	12.9	14.7	17.2	20.1	27.8	38.1	48.8	60.5	51.6
55°	11.0	12.2	14.1	16.8	19.2	21.8	29.2	38.3	50.3	56.7	48.2
52.5°	11.8	13.2	15.9	18.5	20.9	22.5	25.9	34.7	41.1	45.8	41.1
50°	12.6	14.8	17.5	19.6	21.3	21.2	20.3	27.1	32.2	33.8	33.4
47.5°	13.7	16.3	18.2	20.1	20.4	20.0	18.0	21.2	24.8	26.4	25.2
45°	14.8	17.1	18.9	19.6	19.9	19.2	18.5	17.6	21.5	22.2	21.2
42.5°	15.7	17.7	19.1	19.3	20.1	20.5	20.4	19.8	20.3	20.8	20.5
40°	16.3	18.2	19.5	21.1	21.4	23.3	24.7	24.4	20.8	23.0	23.5
37.5°	16.8	18.8	21.1	25.4	24.8	27.9	30.2	33.2	30.3	28.4	31.9
35°	17.2	19.7	26.8	32.0	32.2	34.1	41.6	45.2	42.9	40.7	44.9
32.5°	17.9	20.8	34.3	39.8	42.9	45.9	56.4	58.4	60.4	61.5	64.8
30°	19.8	27.6	43.0	48.5	55.2	66.7	72.3	74.1	81.8	92.3	120.8
27.5°	23.7	36.7	51.2	59.8	70.5	90.0	97.4	98.4	111.4	138.6	207.1
25°	28.6	58.2	60.0	72.8	92.5	116.0	131.2	145.9	150.8	233.0	396.2
22.5°	40.2	85.6	95.3	86.6	116.1	146.3	178.7	219.9	282.5	377.2	619.3
20°	60.5	115.8	139.3	145.3	152.7	180.6	233.7	316.9	512.2	849.5	1171.1
17.5°	83.9	150.5	188.5	219.4	254.2	265.4	299.8	432.6	802.1	1522.7	2365.7
15°	109.7	188.9	241.6	302.2	366.5	415.8	487.9	695.2	1291.1	2452.5	3900.2
12.5°	137.0	230.0	297.8	392.0	487.0	575.3	710.5	1153.8	2156.2	3767.1	5963.2
10°	164.9	272.7	355.8	486.4	613.3	741.2	941.3	1678.7	3179.1	5168.1	7842.6
7.5°	195.4	314.7	413.6	583.0	742.9	910.5	1175.7	2243.3	4238.5	6462.2	9470.7
5°	225.3	353.8	464.9	660.6	849.0	1057.4	1388.5	2815.8	5289.6	7642.8	10946.7
2.5°	253.0	390.6	514.3	731.0	936.2	1164.8	1505.5	3051.9	5894.8	8514.0	12401.8
0°	277.3	424.4	560.9	795.6	1017.4	1264.8	1608.2	3222.8	6311.2	9182.0	13821.0
-2.5°	287.8	437.3	584.0	815.2	1014.1	1248.9	1608.7	3279.5	6668.0	9975.5	14537.7
-5°	294.3	446.4	602.6	828.0	1006.0	1225.2	1593.1	3254.4	6726.6	10158.9	14254.6
-7.5°	297.0	451.7	615.7	830.8	985.4	1178.5	1521.8	3016.7	6089.0	9317.6	12926.9
-10°	296.2	450.3	610.3	804.8	947.9	1116.1	1426.6	2703.5	5350.8	8368.1	11515.8
-12.5°	290.8	443.1	598.3	776.3	911.4	1050.5	1317.2	2317.9	4541.7	7338.9	10165.0
-15°	283.2	432.9	582.4	746.7	877.5	983.1	1194.0	1862.6	3698.4	6415.6	9080.4
-17.5°	273.8	420.1	562.7	716.9	847.9	915.2	1062.2	1407.0	2944.3	5426.6	7988.2
-20°	262.9	404.9	539.5	688.2	820.5	870.5	992.3	1268.6	2328.1	4324.5	6802.7



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	251.1	387.5	515.2	658.2	780.8	847.2	930.9	1122.1	1660.1	3117.9	5522.4
-25°	243.8	368.9	491.6	618.7	741.4	825.0	868.1	981.4	1255.1	2352.7	4171.8
-27.5°	239.1	350.6	459.6	576.1	702.4	797.5	833.0	911.0	1103.2	1559.0	2902.1
-30°	230.6	322.4	424.8	532.6	654.7	753.8	810.8	856.6	972.5	1222.1	1990.5
-32.5°	213.5	292.4	390.0	491.9	602.1	712.1	794.0	838.2	913.2	1042.3	1300.4
-35°	193.1	267.7	354.3	448.6	547.7	660.7	756.9	829.9	865.4	954.4	1119.8
-37.5°	174.3	241.2	317.0	405.2	498.3	602.3	714.7	797.0	855.7	896.6	1014.7
-40°	153.7	213.0	284.1	363.0	448.3	543.7	647.9	749.8	828.1	896.0	948.5
-42.5°	132.2	188.3	251.7	319.4	399.8	486.1	578.2	679.7	780.6	872.4	943.3
-45°	115.7	161.7	218.4	281.6	350.1	427.7	512.5	601.1	706.3	811.9	903.9
-47.5°	98.2	135.7	186.9	241.3	302.7	370.9	445.2	528.5	617.5	719.5	827.3
-50°	81.6	115.3	153.0	203.0	256.3	315.4	381.1	454.2	534.0	618.8	712.5
-52.5°	69.8	93.9	126.8	164.6	211.8	262.4	319.6	382.5	451.6	523.8	599.9
-55°	57.0	77.7	101.5	132.6	168.8	212.8	260.8	315.7	371.0	435.2	493.4
-57.5°	45.6	62.4	81.2	103.8	133.2	165.2	207.4	251.1	300.8	350.9	393.9
-60°	34.7	48.4	64.3	81.5	100.5	128.1	156.4	192.8	233.1	271.4	308.3
-62.5°	24.9	36.1	48.9	62.9	78.5	94.4	117.6	143.3	168.9	201.1	230.9
-65°	21.4	25.6	34.9	46.7	58.5	73.5	88.2	102.1	123.6	144.5	164.1
-67.5°	17.7	21.2	25.2	31.1	41.9	54.0	66.2	79.3	91.6	102.4	114.5
-70°	16.3	17.0	19.7	23.5	28.2	35.8	46.7	57.5	68.2	78.4	88.1
-72.5°	15.3	15.9	16.5	17.0	20.8	26.0	31.6	37.6	45.0	53.3	61.9
-75°	14.4	14.8	15.3	15.8	17.0	19.0	21.7	26.5	31.1	35.3	39.2
-77.5°	13.4	13.8	14.2	14.6	15.4	16.7	18.2	20.1	22.4	24.9	27.5
-80°	12.5	12.8	13.1	13.4	13.9	14.5	15.3	16.3	17.7	19.4	21.4
-82.5°	11.5	11.7	12.0	12.2	12.4	12.6	12.9	13.3	13.9	14.7	15.6
-85°	10.5	10.7	10.9	11.0	11.2	11.3	11.4	11.6	11.7	11.8	11.9
-87.5°	9.5	9.6	9.7	9.8	9.8	9.9	10.0	10.1	10.1	10.2	10.2
-90°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.5	9.1	9.6	10.2	10.7	12.3	13.9	15.5	17.1	16.5	16.0
87.5°	8.5	8.0	7.5	6.9	6.4	5.9	5.4	4.8	4.3	3.8	3.2
85°	8.5	8.3	8.2	8.1	8.1	7.7	7.2	6.7	6.3	5.3	4.2
82.5°	8.5	8.5	8.5	8.5	8.5	8.0	7.5	7.0	6.4	5.4	4.3
80°	8.6	8.5	8.5	8.5	8.5	8.0	7.5	7.0	6.4	5.4	4.3
77.5°	8.8	8.9	8.9	8.8	8.6	8.1	7.5	7.0	6.5	5.5	4.4
75°	10.7	10.4	10.0	9.4	8.7	8.1	7.6	7.0	6.5	5.9	5.3
72.5°	12.4	12.0	11.4	11.0	10.4	10.0	9.6	9.0	8.2	7.7	7.3
70°	16.4	16.8	16.4	15.6	14.3	13.1	12.2	11.4	10.5	9.6	8.7
67.5°	22.2	22.2	21.1	19.4	16.8	14.5	13.4	12.3	11.2	10.6	10.4
65°	29.1	26.5	23.8	20.9	17.7	14.7	13.6	12.5	11.3	10.7	10.7
62.5°	35.3	28.6	23.0	19.5	16.8	14.7	13.2	11.6	10.2	9.1	8.9
60°	38.1	27.1	19.4	17.0	14.8	13.0	11.5	10.2	9.2	8.4	7.9
57.5°	38.1	25.8	16.5	14.3	12.5	11.2	10.3	9.7	9.1	8.4	7.8
55°	34.7	23.0	13.6	12.3	11.7	11.1	10.5	9.8	9.2	8.5	7.9
52.5°	28.4	20.2	14.4	12.4	11.8	11.2	10.6	10.0	9.3	8.6	8.0
50°	24.6	18.5	14.7	12.6	12.0	11.4	10.8	10.6	10.5	10.1	9.6
47.5°	21.3	16.9	14.6	12.9	12.7	13.5	14.2	14.3	14.0	13.6	13.0
45°	18.7	16.3	15.2	15.9	16.5	17.8	18.5	18.6	18.6	18.7	18.5
42.5°	18.6	18.7	19.9	22.1	21.9	24.7	26.0	23.0	26.3	28.1	26.5
40°	24.6	25.2	31.1	35.8	40.3	40.9	47.9	48.8	49.8	52.7	53.3
37.5°	36.0	42.2	60.4	74.1	79.8	80.3	90.4	92.5	89.6	101.9	105.4
35°	55.0	83.5	112.9	130.0	139.6	146.8	160.5	176.2	168.8	195.9	205.4
32.5°	98.8	150.8	204.4	202.4	220.6	269.2	287.3	315.9	345.8	391.5	441.6
30°	166.1	306.8	368.8	346.2	397.4	466.9	467.4	547.1	658.3	752.7	894.9
27.5°	374.2	531.6	612.8	649.2	688.0	775.7	884.4	985.9	1268.8	1462.2	1665.5
25°	635.2	852.7	939.6	1074.6	1197.1	1278.5	1607.1	1846.8	2253.5	2548.6	2854.0
22.5°	1024.3	1311.8	1491.9	1614.0	2026.7	2393.7	2744.8	3267.1	3670.8	4177.1	4558.5
20°	1511.5	1899.8	2561.0	3079.9	3339.1	4118.6	4753.6	5293.4	6009.5	6637.3	7195.7
17.5°	2852.1	3070.3	4451.8	5803.8	6350.3	7358.2	9183.7	9872.5	11934.3	13444.1	14259.4
15°	5164.4	6219.3	7674.4	9928.4	12428.8	14404.0	16134.4	19678.2	23612.2	27099.6	30771.3
12.5°	8166.4	10229.5	12678.4	15435.6	19940.7	23515.5	27344.5	32408.9	38764.1	44295.2	50802.2
10°	11173.9	14659.9	18045.0	22341.3	28031.9	33551.4	39066.4	47087.7	56422.9	65385.8	73135.3
7.5°	13660.5	18386.5	22974.0	28913.6	36664.6	44354.6	52062.7	62671.9	75018.3	85247.6	94041.5
5°	16191.4	22109.9	27491.2	34341.4	43463.7	52829.7	62476.0	75704.7	90287.9	101870.9	110944.1
2.5°	18515.4	25221.9	31450.5	39088.8	49247.4	58411.2	69391.6	85631.6	103008.5	115504.2	125506.6
0°	20392.4	26677.9	33332.5	41019.4	52426.0	62527.2	74294.3	91709.2	109891.9	122376.6	131606.7
-2.5°	19988.3	26346.0	32567.8	40377.7	51829.3	61128.8	73041.4	90175.9	108140.5	120824.8	129114.7
-5°	18727.0	24354.1	29940.4	37275.1	47345.3	56407.0	68073.3	85686.0	102917.9	115852.7	125391.5
-7.5°	16861.9	21639.7	26706.6	33390.1	42155.6	50824.0	60971.1	75007.6	91090.9	102790.9	109704.9
-10°	14898.4	18854.2	23599.3	29247.5	36481.8	44267.6	52694.5	63938.8	77681.6	87942.1	94501.4
-12.5°	13177.2	16604.6	20837.7	25015.1	30917.4	37851.8	45334.6	54536.0	63604.2	74424.1	80094.8
-15°	11591.8	14448.6	18086.1	22091.4	26996.2	32446.3	37807.9	44697.4	50602.7	57361.2	62271.6
-17.5°	10265.3	12546.8	15769.8	19651.4	23344.6	28037.7	33154.2	37821.1	42813.8	47692.6	51764.6
-20°	9066.6	10949.0	13697.1	17114.6	20753.3	24744.2	29259.1	33057.9	37137.6	40844.9	44029.8



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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°	7704.2	9613.0	11741.3	14665.4	18309.5	21887.3	25230.7	28101.5	31184.3	34180.1	36441.6
-25°	6286.3	8118.3	10155.9	12915.5	15900.7	18911.2	21279.0	23300.2	25706.6	27865.3	29806.0
-27.5°	4820.1	6773.4	8971.1	11276.0	13872.6	15785.7	17778.3	19606.3	21435.1	22887.6	24526.6
-30°	3351.0	5482.3	7643.8	9825.4	11603.9	13131.1	14617.2	16293.6	17948.3	19328.8	20485.6
-32.5°	2301.2	3838.6	6019.7	8048.5	9568.7	10866.6	12014.4	13443.9	14726.2	15862.4	16874.5
-35°	1382.1	2465.2	3962.9	5890.9	7554.3	8817.1	9986.3	11070.2	12027.3	12984.2	13745.5
-37.5°	1184.1	1424.0	2332.4	3614.4	5197.4	6725.5	7926.8	8941.4	9833.3	10570.1	11216.1
-40°	1066.2	1208.1	1406.7	1844.2	3009.8	4176.9	5487.9	6644.3	7585.0	8277.2	8839.3
-42.5°	996.6	1087.6	1184.8	1340.7	1513.9	2067.9	3071.0	4029.1	4855.8	5622.5	6280.7
-45°	984.9	1023.3	1075.6	1163.5	1243.5	1387.1	1543.8	1697.0	2347.3	2963.6	3469.2
-47.5°	911.1	989.6	1037.5	1076.9	1118.8	1186.7	1253.0	1323.9	1442.1	1553.2	1648.5
-50°	803.4	887.9	960.4	1031.3	1068.5	1096.0	1123.4	1158.6	1204.8	1246.9	1285.6
-52.5°	671.3	752.6	834.0	909.5	968.5	1022.8	1071.6	1094.4	1111.8	1127.6	1140.1
-55°	554.1	618.3	682.3	751.3	819.5	884.4	940.5	977.5	1010.9	1040.4	1065.6
-57.5°	443.5	493.6	545.8	601.8	656.2	708.6	758.5	804.1	844.5	879.7	909.2
-60°	343.6	377.4	420.9	465.4	507.8	547.9	588.4	625.2	658.5	687.8	710.7
-62.5°	257.8	285.8	318.9	350.3	378.1	408.1	445.8	477.5	503.4	524.5	542.9
-65°	185.2	208.6	235.2	261.5	287.4	313.0	339.4	364.9	389.2	408.5	422.2
-67.5°	131.4	148.0	166.8	183.1	202.4	224.9	248.8	270.7	290.6	304.4	312.6
-70°	96.9	106.6	120.1	135.8	152.0	166.9	182.2	197.3	212.3	222.9	230.9
-72.5°	70.7	80.3	90.3	100.3	111.2	122.3	133.4	144.6	155.9	162.9	167.7
-75°	42.8	48.5	57.2	65.6	73.8	81.5	88.7	95.5	101.8	105.1	107.2
-77.5°	30.8	34.7	39.0	43.4	47.9	52.4	57.0	61.5	65.9	67.9	69.4
-80°	23.4	25.7	28.1	30.7	33.3	36.0	38.8	41.6	44.4	44.8	44.9
-82.5°	16.6	18.3	19.9	21.5	23.1	24.6	26.1	27.6	29.0	29.3	29.5
-85°	12.0	13.0	14.1	15.1	16.3	17.4	18.5	19.7	20.8	21.0	21.1
-87.5°	10.3	10.9	11.5	12.0	12.6	13.2	13.8	14.4	15.0	14.9	14.9
-90°	8.5	8.0	7.5	6.9	6.4	5.9	5.4	4.8	4.3	3.8	3.2



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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°	15.5	14.9	14.9	14.9	14.9	14.9	15.5	16.0	16.5	17.1	15.5
87.5°	2.7	2.1	1.1	0.0	1.1	2.1	2.7	3.2	3.8	4.3	4.8
85°	3.2	2.1	2.1	2.1	2.1	2.1	3.2	4.2	5.3	6.3	6.7
82.5°	3.2	2.1	2.1	2.1	2.1	2.1	3.2	4.3	5.4	6.4	7.0
80°	3.2	2.1	2.1	2.1	2.1	2.1	3.2	4.3	5.4	6.4	7.0
77.5°	3.3	2.2	2.1	2.1	2.1	2.2	3.3	4.4	5.5	6.5	7.0
75°	4.8	4.3	3.2	2.1	3.2	4.3	4.8	5.3	5.9	6.5	7.0
72.5°	6.9	6.4	6.4	6.4	6.4	6.4	6.9	7.3	7.7	8.2	9.0
70°	7.6	6.5	6.4	6.4	6.4	6.5	7.6	8.7	9.6	10.5	11.4
67.5°	10.5	10.6	9.7	8.5	9.7	10.6	10.5	10.4	10.6	11.2	12.3
65°	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	11.3	12.5
62.5°	8.7	8.6	8.5	8.5	8.5	8.6	8.7	8.9	9.1	10.2	11.6
60°	7.3	6.7	6.4	6.4	6.4	6.7	7.3	7.9	8.4	9.2	10.2
57.5°	7.2	6.6	6.4	6.4	6.4	6.6	7.2	7.8	8.4	9.1	9.7
55°	7.3	6.6	6.4	6.4	6.4	6.6	7.3	7.9	8.5	9.2	9.8
52.5°	7.3	6.7	7.2	8.5	7.2	6.7	7.3	8.0	8.6	9.3	10.0
50°	9.2	8.7	8.5	8.5	8.5	8.7	9.2	9.6	10.1	10.5	10.6
47.5°	12.3	11.2	10.7	10.7	10.7	11.2	12.3	13.0	13.6	14.0	14.3
45°	17.4	15.8	14.8	14.9	14.8	15.8	17.4	18.5	18.7	18.6	18.6
42.5°	26.2	25.7	25.3	25.6	25.3	25.7	26.2	26.5	28.1	26.3	23.0
40°	56.2	57.0	56.8	57.6	56.8	57.0	56.2	53.3	52.7	49.8	48.8
37.5°	105.9	102.3	96.9	98.1	96.9	102.3	105.9	105.4	101.9	89.6	92.5
35°	206.5	211.8	211.5	213.3	211.5	211.8	206.5	205.4	195.9	168.8	176.2
32.5°	477.9	503.2	503.8	514.0	503.8	503.2	477.9	441.6	391.5	345.8	315.9
30°	938.9	959.1	928.6	942.7	928.6	959.1	938.9	894.9	752.7	658.3	547.1
27.5°	1771.1	1845.7	1845.0	1812.9	1845.0	1845.7	1771.1	1665.5	1462.2	1268.8	985.9
25°	3110.9	3226.2	3204.9	3167.3	3204.9	3226.2	3110.9	2854.0	2548.6	2253.5	1846.8
22.5°	4904.9	5095.4	5247.9	5148.7	5247.9	5095.4	4904.9	4558.5	4177.1	3670.8	3267.1
20°	8017.1	8071.5	8233.5	8175.3	8233.5	8071.5	8017.1	7195.7	6637.3	6009.5	5293.4
17.5°	16468.4	17059.2	16648.2	15397.2	16648.2	17059.2	16468.4	14259.4	13444.1	11934.3	9872.5
15°	33350.3	35826.6	37749.4	36693.9	37749.4	35826.6	33350.3	30771.3	27099.6	23612.2	19678.2
12.5°	54615.6	56442.7	57665.2	57754.9	57665.2	56442.7	54615.6	50802.2	44295.2	38764.1	32408.9
10°	78390.5	80005.0	82167.7	82471.7	82167.7	80005.0	78390.5	73135.3	65385.8	56422.9	47087.7
7.5°	98405.9	101679.9	103195.8	102992.1	103195.8	101679.9	98405.9	94041.5	85247.6	75018.3	62671.9
5°	116306.2	119698.1	121183.8	121430.7	121183.8	119698.1	116306.2	110944.1	101870.9	90287.9	75704.7
2.5°	131498.0	134922.5	136707.5	136217.9	136707.5	134922.5	131498.0	125506.6	115504.2	103008.5	85631.6
0°	136413.1	139110.1	140606.3	140195.7	140606.3	139110.1	136413.1	131606.7	122376.6	109891.9	91709.2
-2.5°	133288.6	134913.7	136041.4	135605.7	136041.4	134913.7	133288.6	129114.7	120824.8	108140.5	90175.9
-5°	129826.0	131754.3	132176.2	132692.3	132176.2	131754.3	129826.0	125391.5	115852.7	102917.9	85686.0
-7.5°	112334.8	114397.7	115079.0	116111.3	115079.0	114397.7	112334.8	109704.9	102790.9	91090.9	75007.6
-10°	98070.5	100384.1	100495.6	101132.2	100495.6	100384.1	98070.5	94501.4	87942.1	77681.6	63938.8
-12.5°	86122.1	89306.0	90362.3	90109.5	90362.3	89306.0	86122.1	80094.8	74424.1	63604.2	54536.0
-15°	68809.0	71528.7	71722.8	71850.0	71722.8	71528.7	68809.0	62271.6	57361.2	50602.7	44697.4
-17.5°	56085.5	58728.4	59747.2	60063.8	59747.2	58728.4	56085.5	51764.6	47692.6	42813.8	37821.1
-20°	46763.8	48731.4	49975.9	50491.4	49975.9	48731.4	46763.8	44029.8	40844.9	37137.6	33057.9



REPORT NUMBER: P701717 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	38418.4	39665.6	40120.5	40234.5	40120.5	39665.6	38418.4	36441.6	34180.1	31184.3	28101.5
-25°	31169.4	32160.0	32735.9	32976.3	32735.9	32160.0	31169.4	29806.0	27865.3	25706.6	23300.2
-27.5°	25589.6	26471.3	27025.6	27110.9	27025.6	26471.3	25589.6	24526.6	22887.6	21435.1	19606.3
-30°	21371.3	22145.6	22663.7	22804.7	22663.7	22145.6	21371.3	20485.6	19328.8	17948.3	16293.6
-32.5°	17708.3	18371.0	18777.4	18952.7	18777.4	18371.0	17708.3	16874.5	15862.4	14726.2	13443.9
-35°	14313.9	14759.4	15019.8	14934.4	15019.8	14759.4	14313.9	13745.5	12984.2	12027.3	11070.2
-37.5°	11734.2	12092.6	12287.7	12298.1	12287.7	12092.6	11734.2	11216.1	10570.1	9833.3	8941.4
-40°	9304.9	9669.0	9888.4	9900.8	9888.4	9669.0	9304.9	8839.3	8277.2	7585.0	6644.3
-42.5°	6804.2	7176.9	7431.5	7597.3	7431.5	7176.9	6804.2	6280.7	5622.5	4855.8	4029.1
-45°	3891.0	4213.1	4458.7	4636.9	4458.7	4213.1	3891.0	3469.2	2963.6	2347.3	1697.0
-47.5°	1719.7	1771.9	1794.6	1787.3	1794.6	1771.9	1719.7	1648.5	1553.2	1442.1	1323.9
-50°	1321.2	1352.0	1367.6	1367.2	1367.6	1352.0	1321.2	1285.6	1246.9	1204.8	1158.6
-52.5°	1149.9	1157.7	1162.3	1164.5	1162.3	1157.7	1149.9	1140.1	1127.6	1111.8	1094.4
-55°	1086.3	1102.7	1108.8	1107.0	1108.8	1102.7	1086.3	1065.6	1040.4	1010.9	977.5
-57.5°	934.3	954.4	967.8	974.7	967.8	954.4	934.3	909.2	879.7	844.5	804.1
-60°	727.9	739.9	747.4	750.8	747.4	739.9	727.9	710.7	687.8	658.5	625.2
-62.5°	559.1	572.7	579.6	582.3	579.6	572.7	559.1	542.9	524.5	503.4	477.5
-65°	434.2	444.2	449.7	452.2	449.7	444.2	434.2	422.2	408.5	389.2	364.9
-67.5°	318.9	323.3	325.6	326.3	325.6	323.3	318.9	312.6	304.4	290.6	270.7
-70°	238.2	244.7	248.8	251.7	248.8	244.7	238.2	230.9	222.9	212.3	197.3
-72.5°	171.8	175.1	177.6	179.2	177.6	175.1	171.8	167.7	162.9	155.9	144.6
-75°	108.9	110.0	110.7	110.9	110.7	110.0	108.9	107.2	105.1	101.8	95.5
-77.5°	70.8	71.9	73.4	74.7	73.4	71.9	70.8	69.4	67.9	65.9	61.5
-80°	44.8	44.6	44.7	44.8	44.7	44.6	44.8	44.9	44.8	44.4	41.6
-82.5°	29.7	29.8	29.9	29.9	29.9	29.8	29.7	29.5	29.3	29.0	27.6
-85°	21.2	21.3	21.3	21.3	21.3	21.3	21.2	21.1	21.0	20.8	19.7
-87.5°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	15.0	14.4
-90°	2.6	2.1	1.0	0.0	1.0	2.1	2.7	3.2	3.8	4.3	4.8



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	13.9	12.3	10.7	10.2	9.6	9.1	8.5	8.5	8.5	8.5	8.5
87.5°	5.4	5.9	6.4	6.9	7.5	8.0	8.5	8.5	8.5	8.5	8.5
85°	7.2	7.7	8.1	8.1	8.2	8.3	8.5	8.5	8.5	8.5	8.5
82.5°	7.5	8.0	8.5	8.5	8.5	8.5	8.5	8.7	8.8	8.9	8.8
80°	7.5	8.0	8.5	8.5	8.5	8.5	8.6	9.1	9.7	10.1	10.3
77.5°	7.5	8.1	8.6	8.8	8.9	8.9	8.8	9.2	9.7	10.3	10.7
75°	7.6	8.1	8.7	9.4	10.0	10.4	10.7	10.9	11.0	11.2	11.1
72.5°	9.6	10.0	10.4	11.0	11.4	12.0	12.4	12.6	12.7	12.8	12.4
70°	12.2	13.1	14.3	15.6	16.4	16.8	16.4	15.6	14.7	14.4	13.7
67.5°	13.4	14.5	16.8	19.4	21.1	22.2	22.2	20.9	19.6	18.4	15.9
65°	13.6	14.7	17.7	20.9	23.8	26.5	29.1	29.4	28.1	24.9	19.3
62.5°	13.2	14.7	16.8	19.5	23.0	28.6	35.3	38.3	38.8	34.2	26.2
60°	11.5	13.0	14.8	17.0	19.4	27.1	38.1	46.1	51.1	43.3	32.6
57.5°	10.3	11.2	12.5	14.3	16.5	25.8	38.1	51.6	60.5	48.8	38.1
55°	10.5	11.1	11.7	12.3	13.6	23.0	34.7	48.2	56.7	50.3	38.3
52.5°	10.6	11.2	11.8	12.4	14.4	20.2	28.4	41.1	45.8	41.1	34.7
50°	10.8	11.4	12.0	12.6	14.7	18.5	24.6	33.4	33.8	32.2	27.1
47.5°	14.2	13.5	12.7	12.9	14.6	16.9	21.3	25.2	26.4	24.8	21.2
45°	18.5	17.8	16.5	15.9	15.2	16.3	18.7	21.2	22.2	21.5	17.6
42.5°	26.0	24.7	21.9	22.1	19.9	18.7	18.6	20.5	20.8	20.3	19.8
40°	47.9	40.9	40.3	35.8	31.1	25.2	24.6	23.5	23.0	20.8	24.4
37.5°	90.4	80.3	79.8	74.1	60.4	42.2	36.0	31.9	28.4	30.3	33.2
35°	160.5	146.8	139.6	130.0	112.9	83.5	55.0	44.9	40.7	42.9	45.2
32.5°	287.3	269.2	220.6	202.4	204.4	150.8	98.8	64.8	61.5	60.4	58.4
30°	467.4	466.9	397.4	346.2	368.8	306.8	166.1	120.8	92.3	81.8	74.1
27.5°	884.4	775.7	688.0	649.2	612.8	531.6	374.2	207.1	138.6	111.4	98.4
25°	1607.1	1278.5	1197.1	1074.6	939.6	852.7	635.2	396.2	233.0	150.8	145.9
22.5°	2744.8	2393.7	2026.7	1614.0	1491.9	1311.8	1024.3	619.3	377.2	282.5	219.9
20°	4753.6	4118.6	3339.1	3079.9	2561.0	1899.8	1511.5	1171.1	849.5	512.2	316.9
17.5°	9183.7	7358.2	6350.3	5803.8	4451.8	3070.3	2852.1	2365.7	1522.7	802.1	432.6
15°	16134.4	14404.0	12428.8	9928.4	7674.4	6219.3	5164.4	3900.2	2452.5	1291.1	695.2
12.5°	27344.5	23515.5	19940.7	15435.6	12678.4	10229.5	8166.4	5963.2	3767.1	2156.2	1153.8
10°	39066.4	33551.4	28031.9	22341.3	18045.0	14659.9	11173.9	7842.6	5168.1	3179.1	1678.7
7.5°	52062.7	44354.6	36664.6	28913.6	22974.0	18386.5	13660.5	9470.7	6462.2	4238.5	2243.3
5°	62476.0	52829.7	43463.7	34341.4	27491.2	22109.9	16191.4	10946.7	7642.8	5289.6	2815.8
2.5°	69391.6	58411.2	49247.4	39088.8	31450.5	25221.9	18515.4	12401.8	8514.0	5894.8	3051.9
0°	74294.3	62527.2	52426.0	41019.4	33332.5	26677.9	20392.4	13821.0	9182.0	6311.2	3222.8
-2.5°	73041.4	61128.8	51829.3	40377.7	32567.8	26346.0	19988.3	14537.7	9975.5	6668.0	3279.5
-5°	68073.3	56407.0	47345.3	37275.1	29940.4	24354.1	18727.0	14254.6	10158.9	6726.6	3254.4
-7.5°	60971.1	50824.0	42155.6	33390.1	26706.6	21639.7	16861.9	12926.9	9317.6	6089.0	3016.7
-10°	52694.5	44267.6	36481.8	29247.5	23599.3	18854.2	14898.4	11515.8	8368.1	5350.8	2703.5
-12.5°	45334.6	37851.8	30917.4	25015.1	20837.7	16604.6	13177.2	10165.0	7338.9	4541.7	2317.9
-15°	37807.9	32446.3	26996.2	22091.4	18086.1	14448.6	11591.8	9080.4	6415.6	3698.4	1862.6
-17.5°	33154.2	28037.7	23344.6	19651.4	15769.8	12546.8	10265.3	7988.2	5426.6	2944.3	1407.0
-20°	29259.1	24744.2	20753.3	17114.6	13697.1	10949.0	9066.6	6802.7	4324.5	2328.1	1268.6



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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°	25230.7	21887.3	18309.5	14665.4	11741.3	9613.0	7704.2	5522.4	3117.9	1660.1	1122.1
-25°	21279.0	18911.2	15900.7	12915.5	10155.9	8118.3	6286.3	4171.8	2352.7	1255.1	981.4
-27.5°	17778.3	15785.7	13872.6	11276.0	8971.1	6773.4	4820.1	2902.1	1559.0	1103.2	911.0
-30°	14617.2	13131.1	11603.9	9825.4	7643.8	5482.3	3351.0	1990.5	1222.1	972.5	856.6
-32.5°	12014.4	10866.6	9568.7	8048.5	6019.7	3838.6	2301.2	1300.4	1042.3	913.2	838.2
-35°	9986.3	8817.1	7554.3	5890.9	3962.9	2465.2	1382.1	1119.8	954.4	865.4	829.9
-37.5°	7926.8	6725.5	5197.4	3614.4	2332.4	1424.0	1184.1	1014.7	896.6	855.7	797.0
-40°	5487.9	4176.9	3009.8	1844.2	1406.7	1208.1	1066.2	948.5	896.0	828.1	749.8
-42.5°	3071.0	2067.9	1513.9	1340.7	1184.8	1087.6	996.6	943.3	872.4	780.6	679.7
-45°	1543.8	1387.1	1243.5	1163.5	1075.6	1023.3	984.9	903.9	811.9	706.3	601.1
-47.5°	1253.0	1186.7	1118.8	1076.9	1037.5	989.6	911.1	827.3	719.5	617.5	528.5
-50°	1123.4	1096.0	1068.5	1031.3	960.4	887.9	803.4	712.5	618.8	534.0	454.2
-52.5°	1071.6	1022.8	968.5	909.5	834.0	752.6	671.3	599.9	523.8	451.6	382.5
-55°	940.5	884.4	819.5	751.3	682.3	618.3	554.1	493.4	435.2	371.0	315.7
-57.5°	758.5	708.6	656.2	601.8	545.8	493.6	443.5	393.9	350.9	300.8	251.1
-60°	588.4	547.9	507.8	465.4	420.9	377.4	343.6	308.3	271.4	233.1	192.8
-62.5°	445.8	408.1	378.1	350.3	318.9	285.8	257.8	230.9	201.1	168.9	143.3
-65°	339.4	313.0	287.4	261.5	235.2	208.6	185.2	164.1	144.5	123.6	102.1
-67.5°	248.8	224.9	202.4	183.1	166.8	148.0	131.4	114.5	102.4	91.6	79.3
-70°	182.2	166.9	152.0	135.8	120.1	106.6	96.9	88.1	78.4	68.2	57.5
-72.5°	133.4	122.3	111.2	100.3	90.3	80.3	70.7	61.9	53.3	45.0	37.6
-75°	88.7	81.5	73.8	65.6	57.2	48.5	42.8	39.2	35.3	31.1	26.5
-77.5°	57.0	52.4	47.9	43.4	39.0	34.7	30.8	27.5	24.9	22.4	20.1
-80°	38.8	36.0	33.3	30.7	28.1	25.7	23.4	21.4	19.4	17.7	16.3
-82.5°	26.1	24.6	23.1	21.5	19.9	18.3	16.6	15.6	14.7	13.9	13.3
-85°	18.5	17.4	16.3	15.1	14.1	13.0	12.0	11.9	11.8	11.7	11.6
-87.5°	13.8	13.2	12.6	12.0	11.5	10.9	10.3	10.2	10.2	10.1	10.1
-90°	5.4	5.9	6.4	6.9	7.5	8.0	8.5	8.5	8.5	8.5	8.5





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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
87.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.7	8.9	9.0
85°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.9	9.3	9.5
82.5°	8.6	8.5	8.5	8.5	8.9	9.1	9.1	9.1	9.3	9.7	10.0
80°	10.0	9.7	9.4	9.2	9.4	9.7	10.0	10.0	9.9	10.0	10.3
77.5°	10.7	10.7	10.7	10.4	10.2	10.2	10.4	10.7	10.5	10.4	10.5
75°	10.7	10.7	10.7	10.7	10.7	10.7	10.6	10.7	10.7	10.7	10.6
72.5°	11.6	11.1	10.8	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
70°	12.6	11.6	10.8	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
67.5°	13.9	12.7	11.6	10.8	10.7	10.7	10.7	10.7	10.7	10.7	10.7
65°	16.4	14.2	12.7	11.7	11.0	10.7	10.7	10.7	10.7	10.7	10.7
62.5°	19.9	15.7	13.8	12.4	11.4	10.9	10.7	10.7	10.7	10.7	10.7
60°	24.3	18.2	15.0	13.4	12.0	11.0	10.7	10.7	10.7	10.7	10.7
57.5°	27.8	20.1	17.2	14.7	12.9	11.4	10.7	10.7	10.7	10.7	10.7
55°	29.2	21.8	19.2	16.8	14.1	12.2	11.0	10.7	10.7	10.7	10.7
52.5°	25.9	22.5	20.9	18.5	15.9	13.2	11.8	10.7	10.7	10.7	10.7
50°	20.3	21.2	21.3	19.6	17.5	14.8	12.6	11.3	10.7	10.7	10.8
47.5°	18.0	20.0	20.4	20.1	18.2	16.3	13.7	12.0	10.7	10.7	11.0
45°	18.5	19.2	19.9	19.6	18.9	17.1	14.8	12.7	11.3	10.9	11.2
42.5°	20.4	20.5	20.1	19.3	19.1	17.7	15.7	13.5	11.9	11.2	11.4
40°	24.7	23.3	21.4	21.1	19.5	18.2	16.3	14.2	12.5	11.6	11.7
37.5°	30.2	27.9	24.8	25.4	21.1	18.8	16.8	14.7	13.3	12.4	12.0
35°	41.6	34.1	32.2	32.0	26.8	19.7	17.2	15.1	14.3	13.1	12.4
32.5°	56.4	45.9	42.9	39.8	34.3	20.8	17.9	16.5	15.2	13.9	12.8
30°	72.3	66.7	55.2	48.5	43.0	27.6	19.8	18.1	16.3	14.6	13.3
27.5°	97.4	90.0	70.5	59.8	51.2	36.7	23.7	20.0	17.4	15.4	13.9
25°	131.2	116.0	92.5	72.8	60.0	58.2	28.6	22.1	18.8	16.3	14.5
22.5°	178.7	146.3	116.1	86.6	95.3	85.6	40.2	26.0	20.4	17.2	15.1
20°	233.7	180.6	152.7	145.3	139.3	115.8	60.5	30.3	22.2	18.1	15.7
17.5°	299.8	265.4	254.2	219.4	188.5	150.5	83.9	35.1	24.0	19.0	16.2
15°	487.9	415.8	366.5	302.2	241.6	188.9	109.7	40.1	25.9	19.9	16.6
12.5°	710.5	575.3	487.0	392.0	297.8	230.0	137.0	45.3	27.8	20.6	16.7
10°	941.3	741.2	613.3	486.4	355.8	272.7	164.9	51.1	30.3	21.3	16.9
7.5°	1175.7	910.5	742.9	583.0	413.6	314.7	195.4	57.9	33.0	21.9	17.0
5°	1388.5	1057.4	849.0	660.6	464.9	353.8	225.3	64.6	35.6	22.5	17.0
2.5°	1505.5	1164.8	936.2	731.0	514.3	390.6	253.0	71.0	38.2	23.1	17.1
0°	1608.2	1264.8	1017.4	795.6	560.9	424.4	277.3	76.8	40.5	23.5	17.1
-2.5°	1608.7	1248.9	1014.1	815.2	584.0	437.3	287.8	93.8	50.9	29.2	19.1
-5°	1593.1	1225.2	1006.0	828.0	602.6	446.4	294.3	109.6	60.8	34.7	21.0
-7.5°	1521.8	1178.5	985.4	830.8	615.7	451.7	297.0	124.0	69.8	39.7	22.7
-10°	1426.6	1116.1	947.9	804.8	610.3	450.3	296.2	136.5	77.9	44.1	24.2
-12.5°	1317.2	1050.5	911.4	776.3	598.3	443.1	290.8	146.1	84.8	47.6	25.3
-15°	1194.0	983.1	877.5	746.7	582.4	432.9	283.2	153.2	90.5	50.6	26.1
-17.5°	1062.2	915.2	847.9	716.9	562.7	420.1	273.8	158.0	94.7	53.2	27.3
-20°	992.3	870.5	820.5	688.2	539.5	404.9	262.9	160.3	97.1	54.7	28.8



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 CATALOG NUMBER: EPH-LS-08-0680R-57-70-5S-CV5-S

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	930.9	847.2	780.8	658.2	515.2	387.5	251.1	159.9	97.7	55.2	29.8
-25°	868.1	825.0	741.4	618.7	491.6	368.9	243.8	156.6	96.4	54.5	30.3
-27.5°	833.0	797.5	702.4	576.1	459.6	350.6	239.1	154.7	93.9	52.6	30.2
-30°	810.8	753.8	654.7	532.6	424.8	322.4	230.6	150.2	91.6	51.5	29.6
-32.5°	794.0	712.1	602.1	491.9	390.0	292.4	213.5	142.9	87.6	50.6	29.4
-35°	756.9	660.7	547.7	448.6	354.3	267.7	193.1	132.8	81.8	49.0	28.8
-37.5°	714.7	602.3	498.3	405.2	317.0	241.2	174.3	119.0	74.3	46.6	27.6
-40°	647.9	543.7	448.3	363.0	284.1	213.0	153.7	106.0	69.3	43.3	25.7
-42.5°	578.2	486.1	399.8	319.4	251.7	188.3	132.2	92.1	63.0	40.1	23.1
-45°	512.5	427.7	350.1	281.6	218.4	161.7	115.7	78.2	55.8	36.3	20.8
-47.5°	445.2	370.9	302.7	241.3	186.9	135.7	98.2	69.3	48.0	31.6	19.6
-50°	381.1	315.4	256.3	203.0	153.0	115.3	81.6	59.6	41.1	25.5	18.1
-52.5°	319.6	262.4	211.8	164.6	126.8	93.9	69.8	49.4	33.8	22.1	16.4
-55°	260.8	212.8	168.8	132.6	101.5	77.7	57.0	40.6	26.1	19.8	14.7
-57.5°	207.4	165.2	133.2	103.8	81.2	62.4	45.6	31.4	22.2	17.4	14.3
-60°	156.4	128.1	100.5	81.5	64.3	48.4	34.7	23.9	19.5	15.3	13.8
-62.5°	117.6	94.4	78.5	62.9	48.9	36.1	24.9	20.8	16.6	14.8	13.3
-65°	88.2	73.5	58.5	46.7	34.9	25.6	21.4	17.6	15.5	14.2	13.0
-67.5°	66.2	54.0	41.9	31.1	25.2	21.2	17.7	16.1	14.8	13.6	13.0
-70°	46.7	35.8	28.2	23.5	19.7	17.0	16.3	15.3	14.1	13.4	12.9
-72.5°	31.6	26.0	20.8	17.0	16.5	15.9	15.3	14.5	13.7	13.1	12.8
-75°	21.7	19.0	17.0	15.8	15.3	14.8	14.4	13.8	13.2	12.8	12.3
-77.5°	18.2	16.7	15.4	14.6	14.2	13.8	13.4	13.0	12.6	12.2	11.7
-80°	15.3	14.5	13.9	13.4	13.1	12.8	12.5	12.1	11.8	11.5	11.1
-82.5°	12.9	12.6	12.4	12.2	12.0	11.7	11.5	11.3	11.0	10.7	10.5
-85°	11.4	11.3	11.2	11.0	10.9	10.7	10.5	10.4	10.2	10.0	9.8
-87.5°	10.0	9.9	9.8	9.8	9.7	9.6	9.5	9.4	9.3	9.3	9.2
-90°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.5	8.5	8.5	8.5	8.5	8.5	8.5
87.5°	9.1	9.0	8.9	8.8	8.7	8.5	8.5
85°	9.6	9.5	9.3	9.1	8.9	8.6	8.5
82.5°	10.2	9.9	9.6	9.4	9.1	8.6	8.5
80°	10.7	10.4	10.0	9.6	9.3	8.7	8.5
77.5°	10.7	10.7	10.4	9.9	9.4	8.7	8.5
75°	10.7	10.7	10.7	10.2	9.6	8.8	8.5
72.5°	10.7	10.7	10.7	10.5	9.8	8.8	8.5
70°	10.7	10.7	10.7	10.7	9.9	8.9	8.5
67.5°	10.7	10.7	10.7	10.7	10.1	8.9	8.5
65°	10.7	10.7	10.7	10.7	10.2	8.9	8.5
62.5°	10.7	10.7	10.7	10.7	10.3	9.0	8.5
60°	10.7	10.7	10.7	10.7	10.4	9.0	8.5
57.5°	10.7	10.7	10.7	10.7	10.4	9.0	8.5
55°	10.7	10.7	10.7	10.7	10.4	9.0	8.5
52.5°	10.7	10.7	10.7	10.7	10.3	9.0	8.5
50°	10.7	10.7	10.7	10.7	10.3	9.0	8.5
47.5°	10.7	10.7	10.7	10.7	10.3	9.0	8.5
45°	10.9	10.7	10.7	10.7	10.3	9.1	8.5
42.5°	11.1	10.7	10.7	10.7	10.3	9.0	8.5
40°	11.3	10.7	10.7	10.7	10.3	9.0	8.5
37.5°	11.6	10.7	10.7	10.7	10.3	9.0	8.5
35°	11.9	10.8	10.7	10.7	10.4	9.0	8.5
32.5°	12.2	11.1	10.7	10.7	10.4	9.0	8.5
30°	12.5	11.3	10.7	10.7	10.4	9.0	8.5
27.5°	12.9	11.5	10.7	10.7	10.4	9.0	8.5
25°	13.3	11.8	10.7	10.7	10.5	8.9	8.5
22.5°	13.6	12.0	10.7	10.7	10.5	8.9	8.5
20°	14.0	12.2	10.7	10.7	10.5	8.9	8.5
17.5°	14.3	12.3	10.7	10.7	10.6	8.8	8.5
15°	14.5	12.4	10.7	10.7	10.6	8.8	8.5
12.5°	14.6	12.5	10.7	10.7	10.6	8.7	8.5
10°	14.7	12.6	10.7	10.7	10.6	8.7	8.5
7.5°	14.8	12.7	10.7	10.7	10.7	8.6	8.5
5°	14.9	12.8	10.7	10.7	10.7	8.6	8.5
2.5°	14.9	12.8	10.7	10.7	10.7	8.5	8.5
0°	14.9	12.8	10.7	10.7	10.7	8.5	8.5
-2.5°	15.2	13.0	10.9	10.7	10.7	8.5	8.5
-5°	15.4	13.2	11.1	10.7	10.7	8.6	8.5
-7.5°	15.7	13.4	11.2	10.7	10.7	8.6	8.5
-10°	15.9	13.6	11.4	10.7	10.6	8.7	8.5
-12.5°	16.0	13.7	11.5	10.7	10.6	8.7	8.5
-15°	16.2	13.8	11.6	10.7	10.6	8.8	8.5
-17.5°	16.3	13.9	11.7	10.7	10.6	8.8	8.5
-20°	16.8	14.0	11.8	10.7	10.5	8.9	8.5



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.8	14.0	11.8	10.7	10.5	8.9	8.5
-25°	18.4	14.1	11.8	10.7	10.5	8.9	8.5
-27.5°	18.7	14.1	11.8	10.7	10.4	9.0	8.5
-30°	18.6	14.0	11.7	10.7	10.4	9.0	8.5
-32.5°	18.0	13.9	11.6	10.7	10.4	9.0	8.5
-35°	17.6	13.6	11.4	10.7	10.4	9.0	8.5
-37.5°	17.3	13.3	11.3	10.7	10.3	9.0	8.5
-40°	16.8	13.1	11.1	10.7	10.3	9.0	8.5
-42.5°	16.1	12.9	11.1	10.7	10.3	9.0	8.5
-45°	15.3	12.6	11.1	10.8	10.3	9.1	8.5
-47.5°	14.3	12.4	11.2	10.8	10.3	9.0	8.5
-50°	13.8	12.1	11.3	10.8	10.3	9.0	8.5
-52.5°	13.5	11.8	11.3	10.9	10.3	9.0	8.5
-55°	13.1	11.8	11.4	10.9	10.4	9.0	8.5
-57.5°	12.7	11.9	11.4	10.9	10.4	9.0	8.5
-60°	12.4	11.9	11.5	10.9	10.4	9.0	8.5
-62.5°	12.5	12.0	11.4	10.8	10.3	9.0	8.5
-65°	12.5	12.0	11.3	10.8	10.2	8.9	8.5
-67.5°	12.6	11.9	11.2	10.8	10.1	8.9	8.5
-70°	12.6	11.7	11.0	10.7	9.9	8.9	8.5
-72.5°	12.2	11.4	10.9	10.5	9.8	8.8	8.5
-75°	11.8	11.1	10.7	10.2	9.6	8.8	8.5
-77.5°	11.3	10.8	10.4	9.9	9.4	8.7	8.5
-80°	10.8	10.4	10.0	9.6	9.3	8.7	8.5
-82.5°	10.2	9.9	9.6	9.4	9.1	8.6	8.5
-85°	9.6	9.5	9.3	9.1	8.9	8.6	8.5
-87.5°	9.1	9.0	8.9	8.8	8.7	8.5	8.5
-90°	8.5	8.5	8.5	8.5	8.5	8.5	8.5

(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

