

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: P731697 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-70-2S-VHE**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731697 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-70-2S-VHE
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

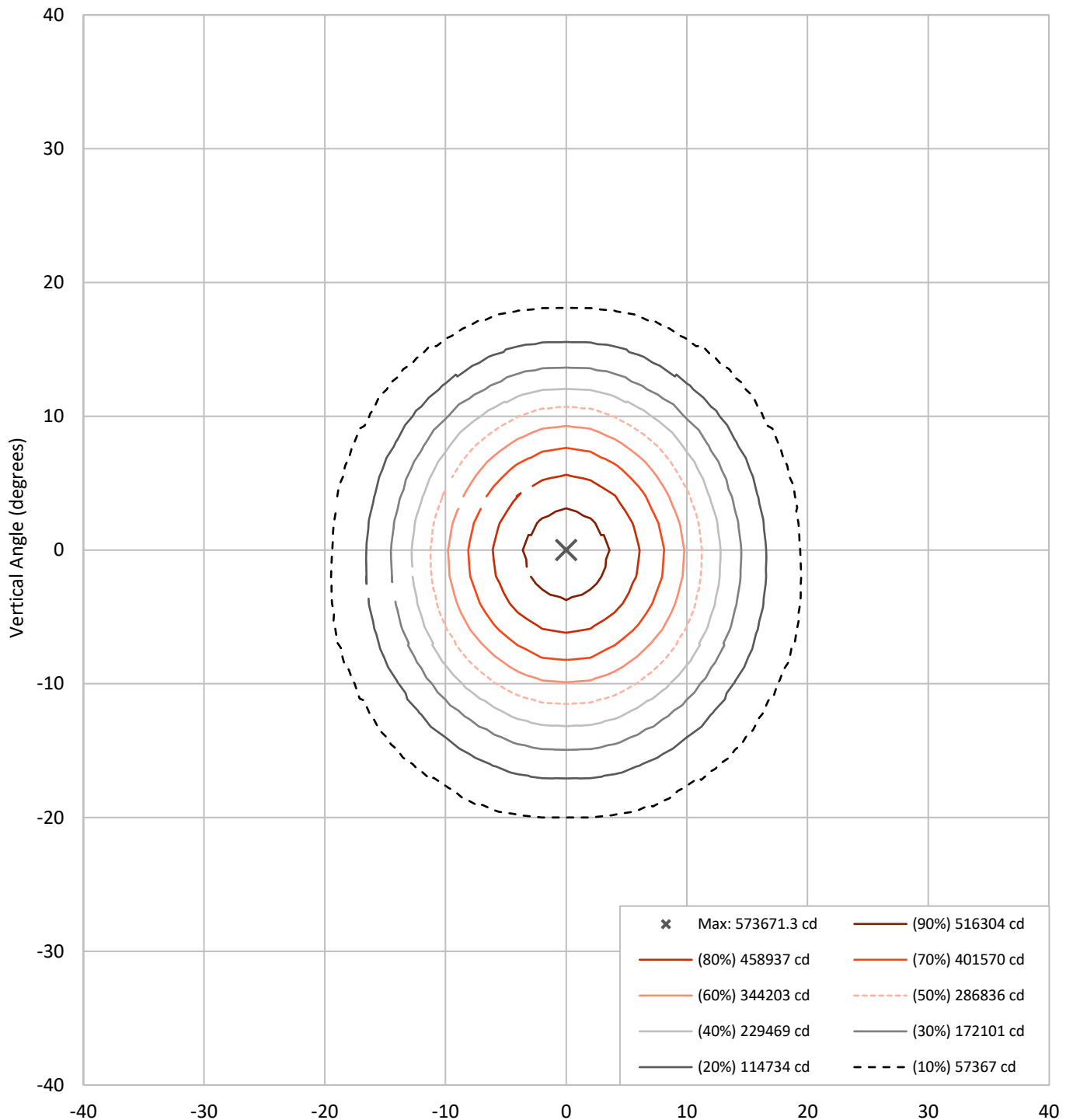
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	100269.2 lumens	Max Intensity:	573671.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	142.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22.5°H x 22.2°V	Field Angle (10%):	38.8°H x 38.1°V
Beam Lumens:	46854.1 lumens	Field Lumens:	83469.7 lumens
Beam Efficiency:	46.7%	Field Efficiency:	83.2%

Input Watts (W): 703.3
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





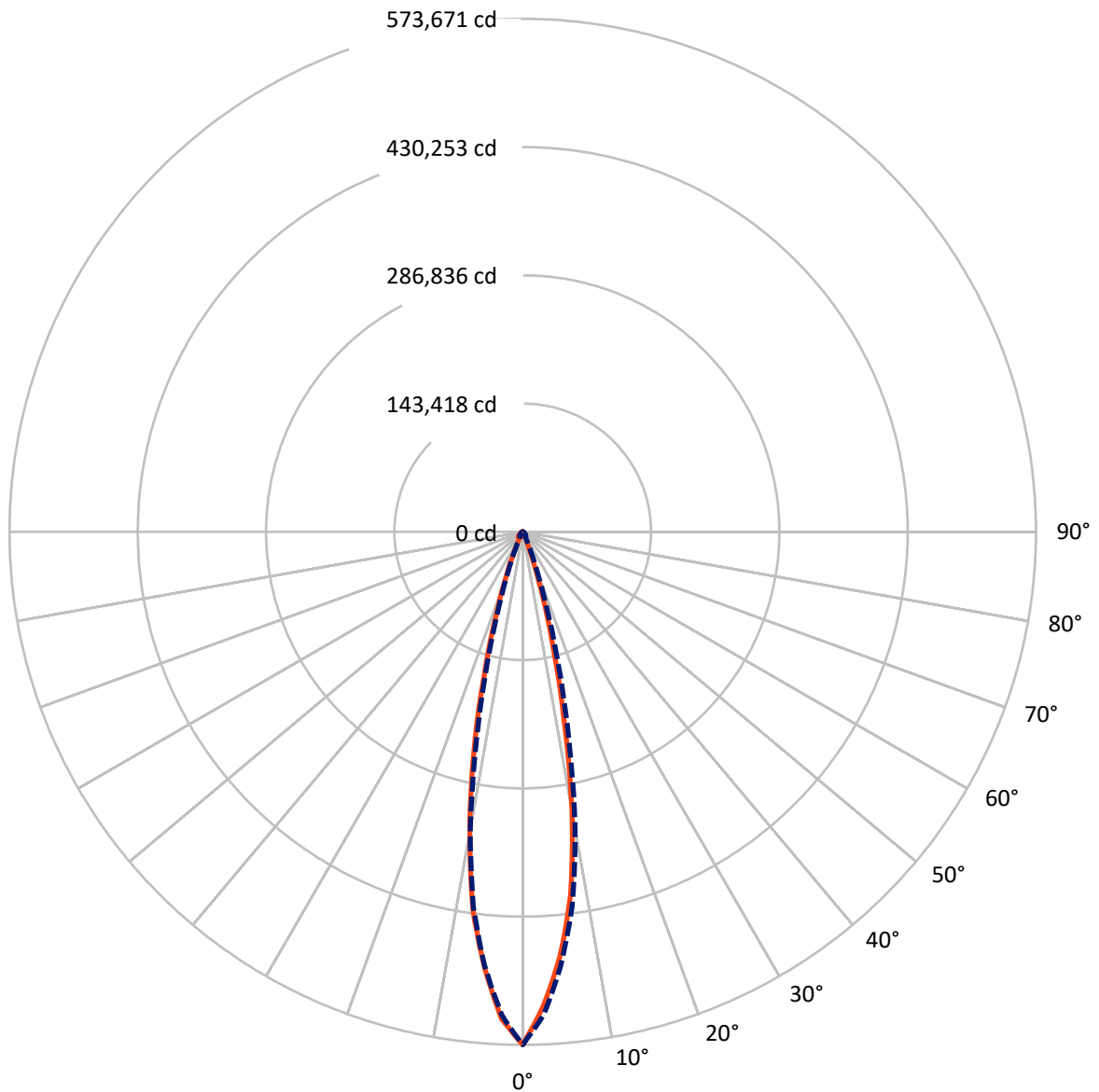
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Lumen Table

90	0.2	0.8		1.5		2.1		2.6		2.1		1.5		0.8		0.2
80	0.2	0.8		1.5		2.1		2.6		2.1		1.5		0.8		0.2
70	0.3	0.1	0.2	0.7	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.9	0.7	0.2	0.1	0.3
60		0.4	0.8	1.2	1.0	0.9	1.0	1.1	1.1	1.0	0.9	1.0	1.2	0.8	0.4	
50	0.8	1.2	3.0	6.0	10.5	17.3	26.5	31.2	31.2	26.5	17.3	10.5	6.0	3.0	1.2	0.8
40		3.1	9.9	19.1	37.3	65.0	79.0	87.6	87.6	79.0	65.0	37.3	19.1	9.9	3.1	
30	2.0	5.4	16.3	34.8	85.2	99.1	136.7	249.8	249.8	136.7	99.1	85.2	34.8	16.3	5.4	2.0
20		7.2	21.3	61.1	120.1	176.5	1119.6	3611.2	3611.2	1119.6	176.5	120.1	61.1	21.3	7.2	
10	2.9	8.6	24.6	79.8	137.6	394.6	3966.4	11923.6	11923.6	3966.4	394.6	137.6	79.8	24.6	8.6	2.9
0		9.5	27.1	84.2	151.4	452.5	4319.7	12400.1	12400.1	4319.7	452.5	151.4	84.2	27.1	9.5	
-10	3.1	9.6	28.3	81.2	159.3	259.0	1583.1	4637.8	4637.8	1583.1	259.0	159.3	81.2	28.3	9.6	3.1
-20		8.8	27.8	62.0	150.2	205.9	286.1	572.2	572.2	286.1	205.9	150.2	62.0	27.8	8.8	
-30	2.6	7.5	24.3	48.6	105.0	184.9	216.6	227.2	227.2	216.6	184.9	105.0	48.6	24.3	7.5	2.6
-40		5.7	18.4	39.3	62.6	96.3	146.4	183.8	183.8	146.4	96.3	62.6	39.3	18.4	5.7	
-50	2.1	3.7	11.7	25.7	43.8	59.4	70.8	78.2	78.2	70.8	59.4	43.8	25.7	11.7	3.7	2.1
-60		2.5	5.9	12.9	22.4	31.4	39.6	44.5	44.5	39.6	31.4	22.4	12.9	5.9	2.5	
-70	1.5	9.2	22.3		37.2		45.5		37.2		22.3		9.2		1.5	
-80		9.2	22.3		37.2		45.5		37.2		22.3		9.2			
-90	1.5	9.2		22.3		37.2		45.5		37.2		22.3		9.2		1.5

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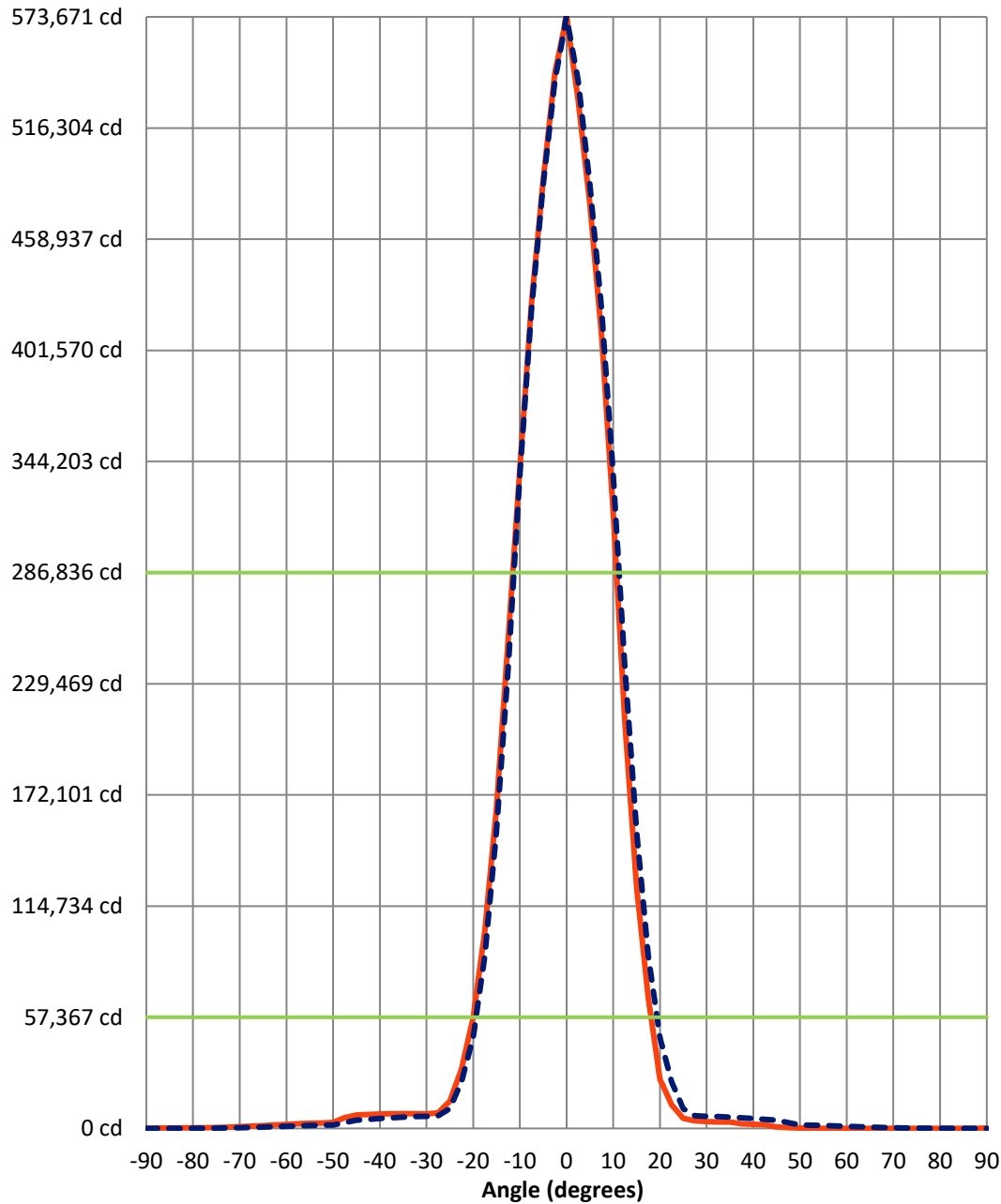
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 22.5°
 V Angle: 22.2°
 Lumens: 46854.1
 Efficiency: 46.7%

Field:
 H Angle: 38.8°
 V Angle: 38.1°
 Lumens: 83469.7
 Efficiency: 83.2%

Spill:
 Lumens: 16799.5
 Efficiency: 16.8%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	5.9	12.3	18.7	32.2	45.7	57.4	69.1	77.9	86.6	93.7	100.7
87.5°	5.9	6.1	6.1	6.1	6.1	6.1	6.2	6.1	5.9	5.9	5.9
85°	5.9	6.2	6.3	6.3	6.3	6.4	6.5	6.2	5.9	5.9	5.9
82.5°	5.9	6.4	6.5	6.6	6.5	6.6	6.8	6.4	6.0	6.2	6.2
80°	5.9	6.5	6.7	6.8	6.7	6.8	7.0	6.8	6.8	6.8	6.7
77.5°	5.9	6.7	6.9	7.0	6.9	7.1	7.4	7.4	7.5	7.5	7.2
75°	5.9	6.8	7.1	7.3	7.2	7.5	7.7	7.9	8.2	8.1	7.8
72.5°	5.9	7.0	7.3	7.5	7.6	8.0	8.1	8.3	8.7	8.6	8.4
70°	5.9	7.1	7.6	7.8	8.0	8.4	8.5	8.9	9.2	9.1	9.0
67.5°	5.9	7.3	7.8	8.1	8.4	8.8	9.2	9.5	9.7	9.9	9.7
65°	5.9	7.4	8.0	8.4	8.8	9.4	9.9	10.1	10.9	10.8	10.8
62.5°	5.9	7.6	8.3	8.7	9.3	10.1	10.6	11.4	12.3	12.0	12.6
60°	5.9	7.7	8.5	9.0	9.7	10.8	11.4	13.1	13.8	14.5	14.7
57.5°	5.9	7.8	8.8	9.3	10.4	11.5	13.3	14.9	16.7	17.4	19.6
55°	5.9	8.0	9.2	9.6	11.3	12.3	15.5	17.1	20.1	21.7	26.3
52.5°	5.9	8.1	9.5	9.9	12.2	13.3	17.8	20.7	23.8	29.9	33.6
50°	5.9	8.3	9.9	10.2	13.1	15.7	20.3	24.7	29.1	38.7	48.1
47.5°	5.9	8.4	10.4	10.6	14.1	18.3	23.1	28.8	38.1	48.4	65.4
45°	5.9	8.6	10.8	11.4	15.1	20.9	26.8	33.1	48.0	65.7	84.2
42.5°	5.9	8.7	11.3	12.2	16.2	23.7	30.6	40.4	58.6	84.4	114.6
40°	5.9	8.9	11.8	13.3	17.9	26.5	34.7	50.1	72.2	104.3	149.0
37.5°	5.9	9.0	12.3	14.7	20.1	29.4	39.1	60.1	91.6	130.0	185.8
35°	5.9	9.1	12.9	16.2	22.3	32.7	43.6	70.3	112.0	164.4	227.1
32.5°	5.9	9.3	13.5	17.7	24.5	36.3	49.4	81.0	133.2	199.4	270.9
30°	5.9	9.4	14.1	19.2	26.7	39.8	58.0	93.3	155.2	234.7	312.6
27.5°	5.9	9.5	14.7	20.8	29.6	43.4	66.6	109.6	177.8	270.3	352.0
25°	5.9	9.6	15.3	22.4	32.4	46.9	75.1	124.9	201.6	304.0	389.6
22.5°	5.9	9.7	15.9	24.0	35.2	50.5	83.3	139.4	223.4	326.9	430.2
20°	5.9	9.9	16.5	25.6	37.8	54.3	91.3	152.9	243.4	348.0	461.8
17.5°	5.9	10.0	17.2	27.2	40.4	57.9	98.7	165.4	261.4	367.5	491.8
15°	5.9	10.1	17.8	28.8	42.8	61.4	105.2	176.5	277.6	385.2	520.5
12.5°	5.9	10.1	18.4	30.4	45.1	64.7	111.3	185.9	292.8	401.0	547.7
10°	5.9	10.2	19.0	31.9	47.4	67.9	116.7	194.2	307.3	420.6	575.8
7.5°	5.9	10.3	19.5	33.4	49.5	70.8	121.5	201.5	320.3	439.6	607.7
5°	5.9	10.4	20.1	34.9	51.4	73.5	125.7	207.7	331.7	457.1	637.1
2.5°	5.9	10.4	20.6	36.2	53.3	76.1	129.3	212.7	341.3	472.6	663.4
0°	5.9	10.5	21.1	37.5	55.0	78.4	132.3	216.6	348.9	485.9	686.1
-2.5°	5.9	11.0	22.2	39.1	57.4	81.7	136.5	224.5	359.5	499.9	698.0
-5°	5.9	11.4	23.3	40.7	59.7	84.7	140.1	231.1	368.0	511.3	706.0
-7.5°	5.9	11.8	24.3	42.1	61.8	87.5	143.0	236.2	374.1	519.9	710.3
-10°	5.9	12.3	25.2	43.5	63.7	90.0	145.2	239.8	377.8	525.7	711.0
-12.5°	5.9	12.7	26.1	44.7	65.5	92.2	146.7	241.6	378.9	528.0	710.2
-15°	5.9	13.0	27.0	45.8	67.1	94.1	147.4	241.6	376.1	523.8	705.3
-17.5°	5.9	13.4	27.7	46.9	68.5	95.7	147.4	239.1	369.2	516.5	694.8
-20°	5.9	13.7	28.4	47.8	69.7	97.1	146.8	234.6	359.9	506.0	678.5



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	5.9	14.1	29.1	48.6	70.7	98.0	145.7	228.5	348.3	492.3	656.9
-25°	5.9	14.4	29.6	49.2	71.6	98.9	143.7	220.9	334.3	475.4	635.7
-27.5°	5.9	14.6	30.1	49.8	72.2	99.6	140.8	211.7	318.0	461.5	620.8
-30°	5.9	14.9	30.5	50.2	72.6	99.9	137.1	200.9	305.0	446.0	602.2
-32.5°	5.9	15.1	30.8	50.6	73.1	99.9	132.5	194.2	294.1	427.0	579.5
-35°	5.9	15.3	31.1	50.8	73.5	99.5	130.6	188.4	280.4	404.6	552.7
-37.5°	5.9	15.5	31.2	50.8	73.7	99.2	129.9	181.9	264.1	378.8	523.7
-40°	5.9	15.6	31.3	50.8	73.6	99.1	128.7	173.7	245.0	355.4	491.1
-42.5°	5.9	15.7	31.3	50.7	73.6	98.8	127.2	164.0	230.6	330.6	454.2
-45°	5.9	15.8	31.2	50.7	73.5	98.3	125.1	156.5	217.7	302.3	414.3
-47.5°	5.9	15.8	31.0	50.5	73.2	97.5	122.6	153.6	202.8	271.2	378.6
-50°	5.9	15.8	30.7	50.3	72.8	96.5	121.0	150.0	185.9	251.8	339.1
-52.5°	5.9	15.8	30.3	49.9	72.2	95.2	119.3	145.9	177.1	230.4	297.0
-55°	5.9	15.7	29.9	49.4	71.3	93.9	117.2	141.5	171.5	207.3	268.8
-57.5°	5.9	15.7	29.4	48.7	70.3	92.4	114.9	138.6	165.3	196.1	239.1
-60°	5.9	15.5	28.8	48.0	69.1	90.6	112.2	135.3	159.0	187.9	214.7
-62.5°	5.9	15.4	28.3	47.0	67.8	88.5	109.5	131.6	154.3	178.8	203.6
-65°	5.9	15.2	27.7	46.0	66.3	86.1	106.4	127.5	149.2	171.1	192.0
-67.5°	5.9	15.0	27.1	44.8	64.5	83.6	102.9	123.1	143.6	163.8	182.3
-70°	5.9	14.8	26.4	43.5	62.6	80.8	99.2	118.5	138.1	156.0	173.3
-72.5°	5.9	14.6	25.6	42.4	60.6	77.9	95.4	113.6	132.3	148.7	164.0
-75°	5.9	14.3	24.8	41.2	58.4	74.7	91.4	108.4	126.2	141.0	155.1
-77.5°	5.9	14.0	23.9	39.9	56.5	71.4	87.1	103.0	119.6	133.0	145.9
-80°	5.9	13.7	22.9	38.6	54.5	68.6	82.7	97.4	112.5	124.4	136.0
-82.5°	5.9	13.4	21.9	37.1	52.5	66.0	79.4	92.0	105.2	115.5	125.7
-85°	5.9	13.0	20.9	35.6	50.4	63.2	76.1	87.4	99.2	107.8	116.3
-87.5°	5.9	12.7	19.8	33.9	48.1	60.4	72.7	82.7	93.0	100.8	108.5
-90°	5.9	5.9	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):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	106.0	111.2	115.9	120.6	125.9	131.1	137.0	142.8	148.7	154.5	159.2
87.5°	5.6	5.3	5.3	5.4	5.1	4.7	4.7	4.7	4.1	3.5	3.5
85°	5.9	5.9	5.9	5.9	5.4	5.1	4.9	4.7	4.4	4.1	4.2
82.5°	6.3	6.4	6.3	5.9	5.8	5.8	5.4	4.9	5.0	5.1	4.9
80°	6.8	7.0	6.6	6.3	6.2	6.0	5.7	5.7	5.8	5.9	5.5
77.5°	7.2	7.1	6.9	6.9	6.6	6.2	6.3	6.5	6.4	6.0	5.9
75°	7.6	7.2	7.2	7.1	6.9	6.9	7.0	7.0	6.8	6.6	6.5
72.5°	8.1	7.8	7.6	7.3	7.2	7.1	7.0	7.0	8.1	9.8	11.0
70°	8.7	8.5	8.3	8.0	7.8	7.8	9.2	11.9	14.8	17.0	20.1
67.5°	9.4	9.3	9.0	9.0	9.5	10.9	13.0	20.7	28.5	31.3	32.7
65°	10.5	10.3	10.3	11.0	11.6	17.5	25.3	34.4	44.0	45.9	44.1
62.5°	11.8	13.1	12.7	14.7	20.0	27.3	37.1	47.5	58.5	56.0	46.7
60°	16.2	17.0	18.8	23.3	29.4	37.6	48.5	52.9	57.5	58.4	45.3
57.5°	21.8	24.2	28.6	33.3	41.4	46.0	47.6	47.6	54.3	54.8	41.6
55°	30.3	34.4	41.1	46.8	51.9	46.9	46.8	51.2	53.5	49.4	36.9
52.5°	43.6	47.9	58.4	62.7	59.9	55.7	54.6	58.4	56.3	50.2	42.7
50°	58.3	70.8	77.8	81.2	74.6	73.8	67.8	71.3	73.4	70.2	73.3
47.5°	82.1	97.3	102.9	108.0	102.7	108.4	102.7	119.4	119.8	161.1	165.8
45°	111.0	131.6	138.2	150.0	159.1	164.4	197.0	199.2	286.8	321.1	395.0
42.5°	145.0	171.7	195.0	200.9	256.1	282.4	328.6	413.1	493.9	563.5	602.9
40°	188.3	216.9	265.6	320.1	382.8	444.5	513.3	612.5	697.9	735.4	755.3
37.5°	236.0	290.8	355.7	446.7	539.9	610.9	692.6	785.9	842.7	862.5	867.1
35°	287.1	366.1	474.7	570.4	670.3	765.5	841.8	931.0	950.0	965.8	1053.6
32.5°	349.2	441.4	569.5	676.9	778.0	887.1	964.2	1016.9	1047.3	1105.3	1391.4
30°	411.6	519.7	646.5	760.6	878.5	982.2	1055.7	1106.9	1141.6	1415.3	2009.5
27.5°	462.8	587.0	713.0	845.6	975.9	1079.9	1150.5	1197.1	1399.2	1852.8	2767.8
25°	509.3	639.9	779.6	939.5	1076.5	1172.8	1245.2	1291.3	1743.3	2669.7	3304.2
22.5°	552.9	691.1	854.9	1038.7	1176.7	1258.5	1328.1	1578.4	2262.9	3497.4	3838.7
20°	595.5	752.6	936.6	1122.8	1270.6	1331.2	1404.2	1900.2	2931.2	3816.0	4189.8
17.5°	639.7	815.7	1013.7	1187.4	1319.6	1396.0	1513.1	2212.3	3495.4	4094.9	4365.3
15°	683.9	875.1	1076.5	1244.3	1367.8	1459.5	1762.0	2659.5	3844.9	4401.4	4656.1
12.5°	727.2	927.2	1123.8	1293.0	1418.3	1519.7	1989.6	3121.8	4160.7	4702.4	5039.5
10°	768.9	972.3	1164.2	1340.2	1467.7	1578.1	2219.6	3573.8	4446.0	4898.7	5181.3
7.5°	805.2	1009.0	1199.1	1385.3	1513.9	1635.5	2471.8	3873.6	4567.3	5023.3	5253.1
5°	836.3	1038.0	1234.5	1435.7	1561.9	1688.3	2700.9	4071.3	4613.4	5100.2	5328.2
2.5°	862.5	1061.4	1265.0	1482.9	1609.0	1732.9	2861.3	4196.6	4644.8	5129.7	5401.9
0°	884.0	1079.5	1290.2	1524.4	1652.0	1772.6	2980.8	4257.0	4655.1	5118.7	5471.1
-2.5°	897.9	1106.0	1337.0	1564.4	1687.3	1805.8	2975.8	4292.6	4667.8	5177.9	5738.7
-5°	907.2	1126.6	1376.2	1598.2	1719.2	1835.1	2925.0	4266.6	4696.0	5267.7	5913.6
-7.5°	911.8	1140.4	1406.4	1625.5	1749.4	1867.8	2862.1	4206.6	4840.4	5452.5	6023.3
-10°	913.4	1148.6	1412.6	1638.5	1777.3	1900.1	2758.4	4080.4	4954.3	5529.9	6055.1
-12.5°	919.5	1152.5	1409.3	1643.9	1801.0	1929.5	2630.4	3996.9	5107.5	5577.6	6043.6
-15°	918.9	1151.1	1400.0	1642.3	1830.1	1968.9	2460.0	3799.8	5200.8	5588.3	6012.5
-17.5°	911.1	1144.4	1385.5	1636.7	1857.7	1998.4	2219.8	3394.0	4934.1	5541.0	5975.7
-20°	895.9	1130.1	1365.3	1619.0	1873.1	2025.7	2191.1	3038.8	4385.1	5415.7	5906.4



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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°	873.9	1109.1	1340.5	1589.2	1865.8	2056.6	2211.0	2693.4	3842.9	5230.0	5794.1
-25°	848.2	1079.7	1311.8	1573.1	1855.0	2086.2	2215.2	2372.4	3371.2	4615.1	5600.5
-27.5°	819.9	1043.4	1280.3	1539.1	1838.3	2080.9	2213.5	2361.8	2868.9	3858.6	5292.3
-30°	787.0	1002.7	1236.8	1489.6	1779.0	2024.9	2208.3	2330.9	2485.8	3265.4	4488.1
-32.5°	750.6	956.7	1185.1	1433.5	1702.8	1962.4	2177.8	2306.2	2442.1	2709.0	3694.6
-35°	714.9	912.2	1127.9	1368.9	1625.0	1877.4	2097.8	2280.2	2394.3	2544.4	2994.2
-37.5°	681.7	862.3	1065.3	1298.4	1546.0	1772.0	2010.3	2208.0	2364.2	2473.0	2654.9
-40°	643.4	806.6	1001.3	1219.4	1441.9	1656.9	1883.6	2105.9	2297.8	2441.1	2549.6
-42.5°	600.3	756.3	932.4	1126.2	1331.8	1536.5	1750.8	1971.0	2181.6	2370.5	2505.0
-45°	553.6	700.1	858.6	1034.5	1217.0	1412.1	1616.2	1824.6	2033.6	2241.9	2407.8
-47.5°	499.5	638.3	788.6	936.6	1104.9	1284.1	1473.8	1669.7	1863.1	2064.1	2255.0
-50°	443.3	571.6	708.8	845.4	991.4	1153.5	1327.1	1510.2	1693.5	1879.2	2063.2
-52.5°	392.3	498.8	625.3	754.1	883.1	1021.6	1178.8	1345.7	1518.7	1693.9	1854.9
-55°	337.8	433.7	537.6	658.2	779.3	899.7	1027.5	1178.6	1335.3	1497.8	1642.1
-57.5°	295.9	368.1	457.7	557.4	670.0	784.0	896.2	1009.6	1149.7	1294.1	1415.5
-60°	261.1	313.2	381.9	466.1	555.8	661.2	766.5	871.9	980.2	1083.6	1195.8
-62.5°	229.3	271.7	320.1	378.9	456.7	538.1	631.7	728.8	827.9	917.1	999.5
-65°	215.6	235.9	272.2	316.1	360.8	430.3	505.2	581.7	667.7	746.7	820.9
-67.5°	201.1	219.9	238.7	261.9	302.0	343.1	384.4	452.0	519.4	580.5	641.0
-70°	189.4	203.9	220.6	237.5	254.8	278.4	315.3	353.5	391.7	433.9	485.0
-72.5°	178.1	191.1	204.4	217.5	233.0	249.2	266.1	283.4	309.9	342.3	371.6
-75°	167.1	177.9	189.8	202.0	214.2	226.6	240.3	256.3	272.0	287.8	302.6
-77.5°	156.5	166.4	176.3	186.6	197.1	208.2	220.2	232.8	245.8	258.7	270.2
-80°	145.4	154.7	163.3	172.0	181.5	190.9	201.0	211.4	222.8	234.7	245.0
-82.5°	133.4	141.2	149.0	156.7	165.4	174.1	182.7	191.4	200.8	210.4	218.9
-85°	122.0	127.4	134.2	140.9	148.7	156.4	163.8	171.1	179.2	187.4	194.1
-87.5°	114.0	119.4	124.7	130.0	136.1	142.4	148.4	154.3	161.1	167.9	173.1
-90°	5.3	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.1	3.5	3.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	163.9	167.4	170.9	172.7	174.4	178.0	181.5	186.8	192.0	197.9	203.7
87.5°	3.5	3.5	3.5	3.4	3.4	2.9	2.3	2.3	2.3	2.3	2.3
85°	4.3	4.3	4.4	4.0	3.5	3.4	3.4	3.4	3.4	2.9	2.3
82.5°	4.7	4.7	4.7	4.5	4.4	4.0	3.5	3.5	3.5	3.5	3.4
80°	5.1	5.0	4.7	4.7	4.7	4.5	4.4	4.0	3.5	4.0	4.6
77.5°	5.9	5.5	5.2	5.0	4.8	4.4	3.9	3.7	3.5	3.6	3.6
75°	6.1	6.2	7.0	7.2	7.0	6.3	5.4	5.2	5.4	5.1	4.7
72.5°	11.9	12.5	12.9	14.0	14.6	15.3	16.6	18.9	21.5	24.0	26.4
70°	23.9	27.3	28.1	28.1	28.0	28.9	30.1	31.5	33.4	34.9	36.3
67.5°	36.9	39.8	40.2	40.8	39.7	38.1	36.5	36.5	38.6	41.1	43.8
65°	45.0	42.0	39.8	39.3	38.5	36.6	33.6	31.3	30.8	30.4	30.4
62.5°	40.4	34.5	32.5	32.1	30.3	28.0	23.9	20.5	18.8	17.8	17.9
60°	35.0	28.2	24.0	22.1	19.3	16.4	13.9	11.3	10.5	10.2	10.4
57.5°	28.8	21.5	16.5	15.8	13.6	10.8	8.9	7.0	6.7	6.8	7.1
55°	26.4	22.5	18.8	17.6	15.1	13.8	11.9	9.5	8.9	9.5	10.4
52.5°	34.3	32.2	30.4	30.6	33.7	31.2	23.3	32.6	37.9	38.0	36.3
50°	75.2	67.6	96.5	92.9	116.0	131.5	119.5	134.1	155.0	169.8	180.1
47.5°	214.6	222.5	257.0	287.0	311.1	338.2	365.6	382.1	386.3	413.7	432.4
45°	432.1	458.1	496.5	516.0	553.9	598.9	630.4	644.6	727.3	830.2	896.7
42.5°	627.2	647.2	677.4	745.9	815.5	969.4	1146.0	1152.1	1311.7	1453.0	1597.6
40°	763.5	801.2	908.8	1071.5	1447.0	1740.0	1948.5	2152.9	2187.0	2120.6	2156.8
37.5°	940.2	1074.7	1347.1	1786.1	2111.0	2405.3	2523.8	2539.2	2580.4	2606.4	2565.2
35°	1272.9	1721.2	1947.2	2320.3	2556.7	2614.1	2649.9	2685.2	2719.0	2742.1	2767.3
32.5°	2001.8	2557.0	2586.9	2682.8	2727.0	2777.9	2815.9	2838.0	2853.4	2873.6	2942.2
30°	2785.3	2914.6	2925.3	2917.7	2932.8	2967.2	2992.0	3032.5	3072.8	3119.2	3271.2
27.5°	3151.1	3250.1	3219.3	3166.5	3140.3	3167.6	3235.2	3298.1	3415.3	3538.6	3756.8
25°	3556.1	3621.7	3584.1	3490.2	3431.5	3470.2	3571.8	3691.9	3915.9	4113.4	4514.8
22.5°	3989.8	4111.8	4072.3	4044.4	3920.6	3939.1	4019.3	4290.1	4850.5	5737.7	7580.0
20°	4326.1	4475.2	4494.1	4494.8	4468.7	4476.3	4662.5	5536.1	7174.5	12323.2	16887.4
17.5°	4575.5	4662.9	4767.9	4811.0	4862.1	5011.0	6004.3	9026.2	16101.9	25571.7	32823.0
15°	4898.6	5010.6	5124.3	5196.4	5311.7	6131.0	8671.0	17952.0	30818.9	46891.3	67435.0
12.5°	5157.4	5295.4	5385.7	5442.7	5708.7	7864.1	16701.5	30062.3	50137.6	75078.3	112076.7
10°	5300.6	5408.1	5531.3	5729.0	6813.7	11407.0	23552.6	42245.2	73105.3	118029.8	167308.2
7.5°	5371.9	5511.0	5717.0	6017.4	8064.6	16652.2	32766.1	59629.2	101779.7	157719.4	226381.5
5°	5454.8	5712.1	5957.4	6301.3	9036.1	20439.4	40090.0	74455.8	126780.6	195212.0	280010.0
2.5°	5588.8	5975.8	6133.8	6464.3	9621.4	22877.5	44457.3	86052.3	145449.5	225807.1	321013.2
0°	5800.1	6122.1	6216.9	6549.4	10210.5	24083.3	47022.7	89232.2	153765.3	237721.9	337162.3
-2.5°	6038.9	6239.9	6345.0	6715.7	10506.3	25313.4	49041.1	91368.9	151784.9	233752.9	331095.3
-5°	6194.6	6354.3	6456.1	6818.4	10473.9	24083.3	46785.8	85086.8	140206.1	213519.7	300550.6
-7.5°	6300.7	6466.9	6573.5	6905.4	9854.7	20812.8	41323.5	73343.7	119151.0	179277.7	254450.5
-10°	6404.3	6585.8	6725.4	6987.7	8722.1	15888.4	32434.4	55332.5	93183.5	141023.5	197228.0
-12.5°	6497.7	6722.0	6901.7	7022.4	7658.3	12084.9	23835.3	42323.3	67072.6	102784.5	143913.3
-15°	6544.9	6813.2	7014.4	7147.5	7516.2	9555.6	15434.6	28006.1	46827.4	68978.7	95741.3
-17.5°	6463.5	6863.6	7057.2	7203.8	7325.0	7849.2	10887.4	17191.2	28946.7	43457.6	56530.9
-20°	6334.0	6869.2	7088.5	7285.7	7423.5	7566.3	7953.4	10947.9	15730.3	24632.7	33346.0



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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°	6224.4	6722.1	7179.7	7392.9	7551.5	7562.0	7573.9	7934.4	9801.7	12801.0	17410.4
-25°	6148.4	6619.4	7151.9	7482.1	7591.9	7595.9	7536.0	7469.0	7680.7	7893.5	9577.8
-27.5°	6020.0	6530.9	7031.4	7434.0	7596.8	7591.3	7545.8	7501.1	7427.7	7379.9	7561.5
-30°	5862.9	6376.2	6842.2	7247.1	7488.4	7562.6	7531.6	7498.3	7475.6	7459.7	7427.1
-32.5°	5025.4	6186.2	6578.7	6946.2	7290.5	7441.4	7508.6	7493.0	7472.6	7463.9	7469.6
-35°	4104.9	5303.3	6322.5	6584.4	6883.2	7183.4	7395.2	7443.1	7464.3	7460.6	7469.9
-37.5°	3147.4	4227.2	5228.5	6065.5	6425.2	6737.3	7045.2	7249.0	7371.4	7392.6	7421.4
-40°	2712.6	3017.9	3966.5	4807.8	5507.7	6152.0	6478.0	6830.5	7105.4	7216.0	7274.2
-42.5°	2597.7	2719.0	2843.6	3460.6	4185.2	4799.5	5408.0	6012.9	6514.9	6799.0	6983.7
-45°	2547.6	2615.3	2687.2	2786.5	2875.5	3394.3	3953.0	4542.4	5202.2	5695.1	6154.2
-47.5°	2401.7	2537.9	2606.6	2648.8	2680.1	2748.6	2809.8	2975.9	3525.0	3956.8	4435.9
-50°	2208.8	2347.3	2459.6	2559.4	2593.5	2609.3	2627.7	2682.9	2770.6	2834.4	2930.9
-52.5°	1985.5	2115.4	2240.5	2347.4	2423.8	2489.5	2552.2	2595.8	2631.3	2668.2	2703.1
-55°	1772.0	1882.6	1989.9	2090.2	2181.3	2257.2	2331.9	2402.9	2469.5	2532.2	2590.7
-57.5°	1537.9	1648.3	1747.0	1837.0	1914.7	1977.9	2051.6	2130.0	2203.3	2268.4	2331.8
-60°	1301.5	1402.1	1496.4	1581.6	1652.7	1708.5	1780.2	1850.3	1917.4	1978.0	2031.2
-62.5°	1079.3	1165.2	1246.4	1321.6	1388.9	1448.9	1509.0	1569.1	1632.5	1689.2	1739.2
-65°	891.5	960.1	1017.8	1071.4	1116.7	1170.9	1228.7	1282.6	1338.4	1390.9	1438.7
-67.5°	702.9	761.0	809.4	855.8	893.6	931.7	974.7	1015.7	1055.1	1095.9	1135.8
-70°	530.4	571.4	601.9	633.7	670.9	705.7	740.3	775.1	807.9	843.8	880.8
-72.5°	395.9	415.7	435.8	461.6	483.9	509.0	533.9	560.6	587.7	613.8	638.1
-75°	316.9	329.5	344.8	357.3	366.9	379.2	393.0	409.8	426.7	443.6	459.5
-77.5°	281.9	290.6	297.6	303.0	307.7	313.9	320.3	332.0	344.7	358.9	373.2
-80°	254.8	260.5	265.3	269.2	272.7	278.0	283.2	293.4	304.3	314.9	325.0
-82.5°	227.3	232.0	236.0	239.5	242.7	247.6	252.5	260.8	269.1	279.3	289.5
-85°	200.7	204.8	208.6	211.8	214.8	218.7	222.5	230.1	237.8	246.0	254.1
-87.5°	178.3	181.7	185.1	187.7	190.3	193.6	196.9	202.9	209.0	215.6	222.2
-90°	3.5	3.5	3.5	2.9	2.3	2.3	2.3	2.3	2.3	1.8	1.2



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 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	204.3	204.9	204.9	204.9	204.9	204.9	204.3	203.7	197.9	192.0	186.8
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	3.4	3.4
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.5	3.5	3.5
80°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.0	3.5	4.0
77.5°	3.6	3.5	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.5	3.7
75°	4.1	3.5	3.5	3.5	3.5	3.5	4.1	4.7	5.1	5.4	5.2
72.5°	28.7	30.7	32.0	32.8	32.0	30.7	28.7	26.4	24.0	21.5	18.9
70°	37.0	37.3	37.5	37.5	37.5	37.3	37.0	36.3	34.9	33.4	31.5
67.5°	45.4	46.4	46.7	46.8	46.7	46.4	45.4	43.8	41.1	38.6	36.5
65°	29.0	26.9	24.9	23.4	24.9	26.9	29.0	30.4	30.4	30.8	31.3
62.5°	17.5	16.8	16.5	16.4	16.5	16.8	17.5	17.9	17.8	18.8	20.5
60°	10.5	10.6	10.1	9.4	10.1	10.6	10.5	10.4	10.2	10.5	11.3
57.5°	7.6	8.1	8.7	9.4	8.7	8.1	7.6	7.1	6.8	6.7	7.0
55°	11.3	12.4	13.3	14.0	13.3	12.4	11.3	10.4	9.5	8.9	9.5
52.5°	32.7	29.3	28.3	29.3	28.3	29.3	32.7	36.3	38.0	37.9	32.6
50°	185.3	189.1	193.6	199.0	193.6	189.1	185.3	180.1	169.8	155.0	134.1
47.5°	437.8	429.5	421.7	419.1	421.7	429.5	437.8	432.4	413.7	386.3	382.1
45°	830.0	768.9	737.8	756.3	737.8	768.9	830.0	896.7	830.2	727.3	644.6
42.5°	1675.1	1765.5	1836.2	1869.8	1836.2	1765.5	1675.1	1597.6	1453.0	1311.7	1152.1
40°	2100.1	2066.1	2084.3	2112.1	2084.3	2066.1	2100.1	2156.8	2120.6	2187.0	2152.9
37.5°	2585.4	2596.6	2515.0	2381.4	2515.0	2596.6	2585.4	2565.2	2606.4	2580.4	2539.2
35°	2820.6	2966.2	3238.6	3304.0	3238.6	2966.2	2820.6	2767.3	2742.1	2719.0	2685.2
32.5°	3115.3	3266.4	3312.7	3330.9	3312.7	3266.4	3115.3	2942.2	2873.6	2853.4	2838.0
30°	3467.4	3535.6	3518.4	3544.0	3518.4	3535.6	3467.4	3271.2	3119.2	3072.8	3032.5
27.5°	3853.1	3893.0	3880.0	3914.0	3880.0	3893.0	3853.1	3756.8	3538.6	3415.3	3298.1
25°	4848.9	5163.5	5147.1	5220.6	5147.1	5163.5	4848.9	4514.8	4113.4	3915.9	3691.9
22.5°	9822.7	10934.7	11600.7	12245.4	11600.7	10934.7	9822.7	7580.0	5737.7	4850.5	4290.1
20°	21947.3	25152.4	25850.1	25595.9	25850.1	25152.4	21947.3	16887.4	12323.2	7174.5	5536.1
17.5°	47110.5	59898.9	66765.5	67529.2	66765.5	59898.9	47110.5	32823.0	25571.7	16101.9	9026.2
15°	88659.0	111010.2	123700.6	125034.0	123700.6	111010.2	88659.0	67435.0	46891.3	30818.9	17952.0
12.5°	144936.1	180530.4	206660.7	209576.0	206660.7	180530.4	144936.1	112076.7	75078.3	50137.6	30062.3
10°	222022.6	270145.9	308200.1	317470.7	308200.1	270145.9	222022.6	167308.2	118029.8	73105.3	42245.2
7.5°	298962.8	353881.3	398668.5	409206.1	398668.5	353881.3	298962.8	226381.5	157719.4	101779.7	59629.2
5°	359109.4	429376.5	465117.4	476926.1	465117.4	429376.5	359109.4	280010.0	195212.0	126780.6	74455.8
2.5°	404956.0	471305.0	513263.8	530478.9	513263.8	471305.0	404956.0	321013.2	225807.1	145449.5	86052.3
0°	422653.8	487012.5	540444.7	573671.3	540444.7	487012.5	422653.8	337162.3	237721.9	153765.3	89232.2
-2.5°	415716.5	477682.7	523093.7	544647.3	523093.7	477682.7	415716.5	331095.3	233752.9	151784.9	91368.9
-5°	380646.5	443181.6	478292.2	489413.8	478292.2	443181.6	380646.5	300550.6	213519.7	140206.1	85086.8
-7.5°	321876.8	376921.6	418553.3	426015.8	418553.3	376921.6	321876.8	254450.5	179277.7	119151.0	73343.7
-10°	255106.9	302757.8	334517.3	340524.8	334517.3	302757.8	255106.9	197228.0	141023.5	93183.5	55332.5
-12.5°	180832.7	222689.1	247799.1	252432.4	247799.1	222689.1	180832.7	143913.3	102784.5	67072.6	42323.3
-15°	122884.9	148956.4	164175.3	165712.1	164175.3	148956.4	122884.9	95741.3	68978.7	46827.4	28006.1
-17.5°	76889.2	92397.2	101882.5	101970.5	101882.5	92397.2	76889.2	56530.9	43457.6	28946.7	17191.2
-20°	44514.3	51914.6	57221.5	57199.2	57221.5	51914.6	44514.3	33346.0	24632.7	15730.3	10947.9



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	23192.5	27590.9	30790.7	30644.4	30790.7	27590.9	23192.5	17410.4	12801.0	9801.7	7934.4
-25°	11388.6	13072.5	14193.2	14105.7	14193.2	13072.5	11388.6	9577.8	7893.5	7680.7	7469.0
-27.5°	7718.0	7903.3	8031.2	8044.5	8031.2	7903.3	7718.0	7561.5	7379.9	7427.7	7501.1
-30°	7414.6	7456.9	7501.5	7513.0	7501.5	7456.9	7414.6	7427.1	7459.7	7475.6	7498.3
-32.5°	7487.8	7520.9	7569.9	7600.8	7569.9	7520.9	7487.8	7469.6	7463.9	7472.6	7493.0
-35°	7493.1	7531.5	7588.2	7613.7	7588.2	7531.5	7493.1	7469.9	7460.6	7464.3	7443.1
-37.5°	7458.3	7505.3	7553.9	7576.2	7553.9	7505.3	7458.3	7421.4	7392.6	7371.4	7249.0
-40°	7326.0	7373.9	7409.4	7412.3	7409.4	7373.9	7326.0	7274.2	7216.0	7105.4	6830.5
-42.5°	7106.8	7166.2	7193.6	7188.7	7193.6	7166.2	7106.8	6983.7	6799.0	6514.9	6012.9
-45°	6589.5	6800.1	6903.5	6928.8	6903.5	6800.1	6589.5	6154.2	5695.1	5202.2	4542.4
-47.5°	4991.1	5299.8	5497.7	5576.5	5497.7	5299.8	4991.1	4435.9	3956.8	3525.0	2975.9
-50°	3057.0	3085.6	3104.6	3114.3	3104.6	3085.6	3057.0	2930.9	2834.4	2770.6	2682.9
-52.5°	2732.2	2740.4	2744.9	2745.5	2744.9	2740.4	2732.2	2703.1	2668.2	2631.3	2595.8
-55°	2632.9	2649.3	2659.7	2662.4	2659.7	2649.3	2632.9	2590.7	2532.2	2469.5	2402.9
-57.5°	2373.6	2383.1	2393.6	2400.1	2393.6	2383.1	2373.6	2331.8	2268.4	2203.3	2130.0
-60°	2063.1	2071.7	2073.4	2067.6	2073.4	2071.7	2063.1	2031.2	1978.0	1917.4	1850.3
-62.5°	1766.6	1774.6	1782.5	1785.5	1782.5	1774.6	1766.6	1739.2	1689.2	1632.5	1569.1
-65°	1461.1	1465.1	1467.0	1463.5	1467.0	1465.1	1461.1	1438.7	1390.9	1338.4	1282.6
-67.5°	1154.6	1162.5	1173.7	1181.3	1173.7	1162.5	1154.6	1135.8	1095.9	1055.1	1015.7
-70°	889.3	885.8	893.4	899.2	893.4	885.8	889.3	880.8	843.8	807.9	775.1
-72.5°	641.3	637.4	634.8	629.9	634.8	637.4	641.3	638.1	613.8	587.7	560.6
-75°	458.6	453.9	453.2	451.9	453.2	453.9	458.6	459.5	443.6	426.7	409.8
-77.5°	373.4	371.6	369.3	366.5	369.3	371.6	373.4	373.2	358.9	344.7	332.0
-80°	326.0	326.2	324.8	323.1	324.8	326.2	326.0	325.0	314.9	304.3	293.4
-82.5°	290.0	290.0	289.1	288.0	289.1	290.0	290.0	289.5	279.3	269.1	260.8
-85°	254.6	255.0	254.0	252.9	254.0	255.0	254.6	254.1	246.0	237.8	230.1
-87.5°	222.9	223.5	223.0	222.5	223.0	223.5	222.9	222.2	215.6	209.0	202.9
-90°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	2.3	2.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	181.5	178.0	174.4	172.7	170.9	167.4	163.9	159.2	154.5	148.7	142.8
87.5°	2.3	2.9	3.4	3.4	3.5	3.5	3.5	3.5	3.5	4.1	4.7
85°	3.4	3.4	3.5	4.0	4.4	4.3	4.3	4.2	4.1	4.4	4.7
82.5°	3.5	4.0	4.4	4.5	4.7	4.7	4.7	4.9	5.1	5.0	4.9
80°	4.4	4.5	4.7	4.7	4.7	5.0	5.1	5.5	5.9	5.8	5.7
77.5°	3.9	4.4	4.8	5.0	5.2	5.5	5.9	5.9	6.0	6.4	6.5
75°	5.4	6.3	7.0	7.2	7.0	6.2	6.1	6.5	6.6	6.8	7.0
72.5°	16.6	15.3	14.6	14.0	12.9	12.5	11.9	11.0	9.8	8.1	7.0
70°	30.1	28.9	28.0	28.1	28.1	27.3	23.9	20.1	17.0	14.8	11.9
67.5°	36.5	38.1	39.7	40.8	40.2	39.8	36.9	32.7	31.3	28.5	20.7
65°	33.6	36.6	38.5	39.3	39.8	42.0	45.0	44.1	45.9	44.0	34.4
62.5°	23.9	28.0	30.3	32.1	32.5	34.5	40.4	46.7	56.0	58.5	47.5
60°	13.9	16.4	19.3	22.1	24.0	28.2	35.0	45.3	58.4	57.5	52.9
57.5°	8.9	10.8	13.6	15.8	16.5	21.5	28.8	41.6	54.8	54.3	47.6
55°	11.9	13.8	15.1	17.6	18.8	22.5	26.4	36.9	49.4	53.5	51.2
52.5°	23.3	31.2	33.7	30.6	30.4	32.2	34.3	42.7	50.2	56.3	58.4
50°	119.5	131.5	116.0	92.9	96.5	67.6	75.2	73.3	70.2	73.4	71.3
47.5°	365.6	338.2	311.1	287.0	257.0	222.5	214.6	165.8	161.1	119.8	119.4
45°	630.4	598.9	553.9	516.0	496.5	458.1	432.1	395.0	321.1	286.8	199.2
42.5°	1146.0	969.4	815.5	745.9	677.4	647.2	627.2	602.9	563.5	493.9	413.1
40°	1948.5	1740.0	1447.0	1071.5	908.8	801.2	763.5	755.3	735.4	697.9	612.5
37.5°	2523.8	2405.3	2111.0	1786.1	1347.1	1074.7	940.2	867.1	862.5	842.7	785.9
35°	2649.9	2614.1	2556.7	2320.3	1947.2	1721.2	1272.9	1053.6	965.8	950.0	931.0
32.5°	2815.9	2777.9	2727.0	2682.8	2586.9	2557.0	2001.8	1391.4	1105.3	1047.3	1016.9
30°	2992.0	2967.2	2932.8	2917.7	2925.3	2914.6	2785.3	2009.5	1415.3	1141.6	1106.9
27.5°	3235.2	3167.6	3140.3	3166.5	3219.3	3250.1	3151.1	2767.8	1852.8	1399.2	1197.1
25°	3571.8	3470.2	3431.5	3490.2	3584.1	3621.7	3556.1	3304.2	2669.7	1743.3	1291.3
22.5°	4019.3	3939.1	3920.6	4044.4	4072.3	4111.8	3989.8	3838.7	3497.4	2262.9	1578.4
20°	4662.5	4476.3	4468.7	4494.8	4494.1	4475.2	4326.1	4189.8	3816.0	2931.2	1900.2
17.5°	6004.3	5011.0	4862.1	4811.0	4767.9	4662.9	4575.5	4365.3	4094.9	3495.4	2212.3
15°	8671.0	6131.0	5311.7	5196.4	5124.3	5010.6	4898.6	4656.1	4401.4	3844.9	2659.5
12.5°	16701.5	7864.1	5708.7	5442.7	5385.7	5295.4	5157.4	5039.5	4702.4	4160.7	3121.8
10°	23552.6	11407.0	6813.7	5729.0	5531.3	5408.1	5300.6	5181.3	4898.7	4446.0	3573.8
7.5°	32766.1	16652.2	8064.6	6017.4	5717.0	5511.0	5371.9	5253.1	5023.3	4567.3	3873.6
5°	40090.0	20439.4	9036.1	6301.3	5957.4	5712.1	5454.8	5328.2	5100.2	4613.4	4071.3
2.5°	44457.3	22877.5	9621.4	6464.3	6133.8	5975.8	5588.8	5401.9	5129.7	4644.8	4196.6
0°	47022.7	24083.3	10210.5	6549.4	6216.9	6122.1	5800.1	5471.1	5118.7	4655.1	4257.0
-2.5°	49041.1	25313.4	10506.3	6715.7	6345.0	6239.9	6038.9	5738.7	5177.9	4667.8	4292.6
-5°	46785.8	24083.3	10473.9	6818.4	6456.1	6354.3	6194.6	5913.6	5267.7	4696.0	4266.6
-7.5°	41323.5	20812.8	9854.7	6905.4	6573.5	6466.9	6300.7	6023.3	5452.5	4840.4	4206.6
-10°	32434.4	15888.4	8722.1	6987.7	6725.4	6585.8	6404.3	6055.1	5529.9	4954.3	4080.4
-12.5°	23835.3	12084.9	7658.3	7022.4	6901.7	6722.0	6497.7	6043.6	5577.6	5107.5	3996.9
-15°	15434.6	9555.6	7516.2	7147.5	7014.4	6813.2	6544.9	6012.5	5588.3	5200.8	3799.8
-17.5°	10887.4	7849.2	7325.0	7203.8	7057.2	6863.6	6463.5	5975.7	5541.0	4934.1	3394.0
-20°	7953.4	7566.3	7423.5	7285.7	7088.5	6869.2	6334.0	5906.4	5415.7	4385.1	3038.8



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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°	7573.9	7562.0	7551.5	7392.9	7179.7	6722.1	6224.4	5794.1	5230.0	3842.9	2693.4
-25°	7536.0	7595.9	7591.9	7482.1	7151.9	6619.4	6148.4	5600.5	4615.1	3371.2	2372.4
-27.5°	7545.8	7591.3	7596.8	7434.0	7031.4	6530.9	6020.0	5292.3	3858.6	2868.9	2361.8
-30°	7531.6	7562.6	7488.4	7247.1	6842.2	6376.2	5862.9	4488.1	3265.4	2485.8	2330.9
-32.5°	7508.6	7441.4	7290.5	6946.2	6578.7	6186.2	5025.4	3694.6	2709.0	2442.1	2306.2
-35°	7395.2	7183.4	6883.2	6584.4	6322.5	5303.3	4104.9	2994.2	2544.4	2394.3	2280.2
-37.5°	7045.2	6737.3	6425.2	6065.5	5228.5	4227.2	3147.4	2654.9	2473.0	2364.2	2208.0
-40°	6478.0	6152.0	5507.7	4807.8	3966.5	3017.9	2712.6	2549.6	2441.1	2297.8	2105.9
-42.5°	5408.0	4799.5	4185.2	3460.6	2843.6	2719.0	2597.7	2505.0	2370.5	2181.6	1971.0
-45°	3953.0	3394.3	2875.5	2786.5	2687.2	2615.3	2547.6	2407.8	2241.9	2033.6	1824.6
-47.5°	2809.8	2748.6	2680.1	2648.8	2606.6	2537.9	2401.7	2255.0	2064.1	1863.1	1669.7
-50°	2627.7	2609.3	2593.5	2559.4	2459.6	2347.3	2208.8	2063.2	1879.2	1693.5	1510.2
-52.5°	2552.2	2489.5	2423.8	2347.4	2240.5	2115.4	1985.5	1854.9	1693.9	1518.7	1345.7
-55°	2331.9	2257.2	2181.3	2090.2	1989.9	1882.6	1772.0	1642.1	1497.8	1335.3	1178.6
-57.5°	2051.6	1977.9	1914.7	1837.0	1747.0	1648.3	1537.9	1415.5	1294.1	1149.7	1009.6
-60°	1780.2	1708.5	1652.7	1581.6	1496.4	1402.1	1301.5	1195.8	1083.6	980.2	871.9
-62.5°	1509.0	1448.9	1388.9	1321.6	1246.4	1165.2	1079.3	999.5	917.1	827.9	728.8
-65°	1228.7	1170.9	1116.7	1071.4	1017.8	960.1	891.5	820.9	746.7	667.7	581.7
-67.5°	974.7	931.7	893.6	855.8	809.4	761.0	702.9	641.0	580.5	519.4	452.0
-70°	740.3	705.7	670.9	633.7	601.9	571.4	530.4	485.0	433.9	391.7	353.5
-72.5°	533.9	509.0	483.9	461.6	435.8	415.7	395.9	371.6	342.3	309.9	283.4
-75°	393.0	379.2	366.9	357.3	344.8	329.5	316.9	302.6	287.8	272.0	256.3
-77.5°	320.3	313.9	307.7	303.0	297.6	290.6	281.9	270.2	258.7	245.8	232.8
-80°	283.2	278.0	272.7	269.2	265.3	260.5	254.8	245.0	234.7	222.8	211.4
-82.5°	252.5	247.6	242.7	239.5	236.0	232.0	227.3	218.9	210.4	200.8	191.4
-85°	222.5	218.7	214.8	211.8	208.6	204.8	200.7	194.1	187.4	179.2	171.1
-87.5°	196.9	193.6	190.3	187.7	185.1	181.7	178.3	173.1	167.9	161.1	154.3
-90°	2.3	2.3	2.3	2.9	3.5	3.5	3.5	3.5	3.5	4.1	4.7



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	137.0	131.1	125.9	120.6	115.9	111.2	106.0	100.7	93.7	86.6	77.9
87.5°	4.7	4.7	5.1	5.4	5.3	5.3	5.6	5.9	5.9	5.9	6.1
85°	4.9	5.1	5.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.2
82.5°	5.4	5.8	5.8	5.9	6.3	6.4	6.3	6.2	6.2	6.0	6.4
80°	5.7	6.0	6.2	6.3	6.6	7.0	6.8	6.7	6.8	6.8	6.8
77.5°	6.3	6.2	6.6	6.9	6.9	7.1	7.2	7.2	7.5	7.5	7.4
75°	7.0	6.9	6.9	7.1	7.2	7.2	7.6	7.8	8.1	8.2	7.9
72.5°	7.0	7.1	7.2	7.3	7.6	7.8	8.1	8.4	8.6	8.7	8.3
70°	9.2	7.8	7.8	8.0	8.3	8.5	8.7	9.0	9.1	9.2	8.9
67.5°	13.0	10.9	9.5	9.0	9.0	9.3	9.4	9.7	9.9	9.7	9.5
65°	25.3	17.5	11.6	11.0	10.3	10.3	10.5	10.8	10.8	10.9	10.1
62.5°	37.1	27.3	20.0	14.7	12.7	13.1	11.8	12.6	12.0	12.3	11.4
60°	48.5	37.6	29.4	23.3	18.8	17.0	16.2	14.7	14.5	13.8	13.1
57.5°	47.6	46.0	41.4	33.3	28.6	24.2	21.8	19.6	17.4	16.7	14.9
55°	46.8	46.9	51.9	46.8	41.1	34.4	30.3	26.3	21.7	20.1	17.1
52.5°	54.6	55.7	59.9	62.7	58.4	47.9	43.6	33.6	29.9	23.8	20.7
50°	67.8	73.8	74.6	81.2	77.8	70.8	58.3	48.1	38.7	29.1	24.7
47.5°	102.7	108.4	102.7	108.0	102.9	97.3	82.1	65.4	48.4	38.1	28.8
45°	197.0	164.4	159.1	150.0	138.2	131.6	111.0	84.2	65.7	48.0	33.1
42.5°	328.6	282.4	256.1	200.9	195.0	171.7	145.0	114.6	84.4	58.6	40.4
40°	513.3	444.5	382.8	320.1	265.6	216.9	188.3	149.0	104.3	72.2	50.1
37.5°	692.6	610.9	539.9	446.7	355.7	290.8	236.0	185.8	130.0	91.6	60.1
35°	841.8	765.5	670.3	570.4	474.7	366.1	287.1	227.1	164.4	112.0	70.3
32.5°	964.2	887.1	778.0	676.9	569.5	441.4	349.2	270.9	199.4	133.2	81.0
30°	1055.7	982.2	878.5	760.6	646.5	519.7	411.6	312.6	234.7	155.2	93.3
27.5°	1150.5	1079.9	975.9	845.6	713.0	587.0	462.8	352.0	270.3	177.8	109.6
25°	1245.2	1172.8	1076.5	939.5	779.6	639.9	509.3	389.6	304.0	201.6	124.9
22.5°	1328.1	1258.5	1176.7	1038.7	854.9	691.1	552.9	430.2	326.9	223.4	139.4
20°	1404.2	1331.2	1270.6	1122.8	936.6	752.6	595.5	461.8	348.0	243.4	152.9
17.5°	1513.1	1396.0	1319.6	1187.4	1013.7	815.7	639.7	491.8	367.5	261.4	165.4
15°	1762.0	1459.5	1367.8	1244.3	1076.5	875.1	683.9	520.5	385.2	277.6	176.5
12.5°	1989.6	1519.7	1418.3	1293.0	1123.8	927.2	727.2	547.7	401.0	292.8	185.9
10°	2219.6	1578.1	1467.7	1340.2	1164.2	972.3	768.9	575.8	420.6	307.3	194.2
7.5°	2471.8	1635.5	1513.9	1385.3	1199.1	1009.0	805.2	607.7	439.6	320.3	201.5
5°	2700.9	1688.3	1561.9	1435.7	1234.5	1038.0	836.3	637.1	457.1	331.7	207.7
2.5°	2861.3	1732.9	1609.0	1482.9	1265.0	1061.4	862.5	663.4	472.6	341.3	212.7
0°	2980.8	1772.6	1652.0	1524.4	1290.2	1079.5	884.0	686.1	485.9	348.9	216.6
-2.5°	2975.8	1805.8	1687.3	1564.4	1337.0	1106.0	897.9	698.0	499.9	359.5	224.5
-5°	2925.0	1835.1	1719.2	1598.2	1376.2	1126.6	907.2	706.0	511.3	368.0	231.1
-7.5°	2862.1	1867.8	1749.4	1625.5	1406.4	1140.4	911.8	710.3	519.9	374.1	236.2
-10°	2758.4	1900.1	1777.3	1638.5	1412.6	1148.6	913.4	711.0	525.7	377.8	239.8
-12.5°	2630.4	1929.5	1801.0	1643.9	1409.3	1152.5	919.5	710.2	528.0	378.9	241.6
-15°	2460.0	1968.9	1830.1	1642.3	1400.0	1151.1	918.9	705.3	523.8	376.1	241.6
-17.5°	2219.8	1998.4	1857.7	1636.7	1385.5	1144.4	911.1	694.8	516.5	369.2	239.1
-20°	2191.1	2025.7	1873.1	1619.0	1365.3	1130.1	895.9	678.5	506.0	359.9	234.6



REPORT NUMBER: P731697 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2211.0	2056.6	1865.8	1589.2	1340.5	1109.1	873.9	656.9	492.3	348.3	228.5
-25°	2215.2	2086.2	1855.0	1573.1	1311.8	1079.7	848.2	635.7	475.4	334.3	220.9
-27.5°	2213.5	2080.9	1838.3	1539.1	1280.3	1043.4	819.9	620.8	461.5	318.0	211.7
-30°	2208.3	2024.9	1779.0	1489.6	1236.8	1002.7	787.0	602.2	446.0	305.0	200.9
-32.5°	2177.8	1962.4	1702.8	1433.5	1185.1	956.7	750.6	579.5	427.0	294.1	194.2
-35°	2097.8	1877.4	1625.0	1368.9	1127.9	912.2	714.9	552.7	404.6	280.4	188.4
-37.5°	2010.3	1772.0	1546.0	1298.4	1065.3	862.3	681.7	523.7	378.8	264.1	181.9
-40°	1883.6	1656.9	1441.9	1219.4	1001.3	806.6	643.4	491.1	355.4	245.0	173.7
-42.5°	1750.8	1536.5	1331.8	1126.2	932.4	756.3	600.3	454.2	330.6	230.6	164.0
-45°	1616.2	1412.1	1217.0	1034.5	858.6	700.1	553.6	414.3	302.3	217.7	156.5
-47.5°	1473.8	1284.1	1104.9	936.6	788.6	638.3	499.5	378.6	271.2	202.8	153.6
-50°	1327.1	1153.5	991.4	845.4	708.8	571.6	443.3	339.1	251.8	185.9	150.0
-52.5°	1178.8	1021.6	883.1	754.1	625.3	498.8	392.3	297.0	230.4	177.1	145.9
-55°	1027.5	899.7	779.3	658.2	537.6	433.7	337.8	268.8	207.3	171.5	141.5
-57.5°	896.2	784.0	670.0	557.4	457.7	368.1	295.9	239.1	196.1	165.3	138.6
-60°	766.5	661.2	555.8	466.1	381.9	313.2	261.1	214.7	187.9	159.0	135.3
-62.5°	631.7	538.1	456.7	378.9	320.1	271.7	229.3	203.6	178.8	154.3	131.6
-65°	505.2	430.3	360.8	316.1	272.2	235.9	215.6	192.0	171.1	149.2	127.5
-67.5°	384.4	343.1	302.0	261.9	238.7	219.9	201.1	182.3	163.8	143.6	123.1
-70°	315.3	278.4	254.8	237.5	220.6	203.9	189.4	173.3	156.0	138.1	118.5
-72.5°	266.1	249.2	233.0	217.5	204.4	191.1	178.1	164.0	148.7	132.3	113.6
-75°	240.3	226.6	214.2	202.0	189.8	177.9	167.1	155.1	141.0	126.2	108.4
-77.5°	220.2	208.2	197.1	186.6	176.3	166.4	156.5	145.9	133.0	119.6	103.0
-80°	201.0	190.9	181.5	172.0	163.3	154.7	145.4	136.0	124.4	112.5	97.4
-82.5°	182.7	174.1	165.4	156.7	149.0	141.2	133.4	125.7	115.5	105.2	92.0
-85°	163.8	156.4	148.7	140.9	134.2	127.4	122.0	116.3	107.8	99.2	87.4
-87.5°	148.4	142.4	136.1	130.0	124.7	119.4	114.0	108.5	100.8	93.0	82.7
-90°	4.7	4.7	4.7	4.7	4.7	4.7	5.3	5.9	5.9	5.9	5.9



REPORT NUMBER: P731697 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	69.1	57.4	45.7	32.2	18.7	12.3	5.9
87.5°	6.2	6.1	6.1	6.1	6.1	6.1	5.9
85°	6.5	6.4	6.3	6.3	6.3	6.2	5.9
82.5°	6.8	6.6	6.5	6.6	6.5	6.4	5.9
80°	7.0	6.8	6.7	6.8	6.7	6.5	5.9
77.5°	7.4	7.1	6.9	7.0	6.9	6.7	5.9
75°	7.7	7.5	7.2	7.3	7.1	6.8	5.9
72.5°	8.1	8.0	7.6	7.5	7.3	7.0	5.9
70°	8.5	8.4	8.0	7.8	7.6	7.1	5.9
67.5°	9.2	8.8	8.4	8.1	7.8	7.3	5.9
65°	9.9	9.4	8.8	8.4	8.0	7.4	5.9
62.5°	10.6	10.1	9.3	8.7	8.3	7.6	5.9
60°	11.4	10.8	9.7	9.0	8.5	7.7	5.9
57.5°	13.3	11.5	10.4	9.3	8.8	7.8	5.9
55°	15.5	12.3	11.3	9.6	9.2	8.0	5.9
52.5°	17.8	13.3	12.2	9.9	9.5	8.1	5.9
50°	20.3	15.7	13.1	10.2	9.9	8.3	5.9
47.5°	23.1	18.3	14.1	10.6	10.4	8.4	5.9
45°	26.8	20.9	15.1	11.4	10.8	8.6	5.9
42.5°	30.6	23.7	16.2	12.2	11.3	8.7	5.9
40°	34.7	26.5	17.9	13.3	11.8	8.9	5.9
37.5°	39.1	29.4	20.1	14.7	12.3	9.0	5.9
35°	43.6	32.7	22.3	16.2	12.9	9.1	5.9
32.5°	49.4	36.3	24.5	17.7	13.5	9.3	5.9
30°	58.0	39.8	26.7	19.2	14.1	9.4	5.9
27.5°	66.6	43.4	29.6	20.8	14.7	9.5	5.9
25°	75.1	46.9	32.4	22.4	15.3	9.6	5.9
22.5°	83.3	50.5	35.2	24.0	15.9	9.7	5.9
20°	91.3	54.3	37.8	25.6	16.5	9.9	5.9
17.5°	98.7	57.9	40.4	27.2	17.2	10.0	5.9
15°	105.2	61.4	42.8	28.8	17.8	10.1	5.9
12.5°	111.3	64.7	45.1	30.4	18.4	10.1	5.9
10°	116.7	67.9	47.4	31.9	19.0	10.2	5.9
7.5°	121.5	70.8	49.5	33.4	19.5	10.3	5.9
5°	125.7	73.5	51.4	34.9	20.1	10.4	5.9
2.5°	129.3	76.1	53.3	36.2	20.6	10.4	5.9
0°	132.3	78.4	55.0	37.5	21.1	10.5	5.9
-2.5°	136.5	81.7	57.4	39.1	22.2	11.0	5.9
-5°	140.1	84.7	59.7	40.7	23.3	11.4	5.9
-7.5°	143.0	87.5	61.8	42.1	24.3	11.8	5.9
-10°	145.2	90.0	63.7	43.5	25.2	12.3	5.9
-12.5°	146.7	92.2	65.5	44.7	26.1	12.7	5.9
-15°	147.4	94.1	67.1	45.8	27.0	13.0	5.9
-17.5°	147.4	95.7	68.5	46.9	27.7	13.4	5.9
-20°	146.8	97.1	69.7	47.8	28.4	13.7	5.9



REPORT NUMBER: P731697 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-70-2S-VHE

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	145.7	98.0	70.7	48.6	29.1	14.1	5.9
-25°	143.7	98.9	71.6	49.2	29.6	14.4	5.9
-27.5°	140.8	99.6	72.2	49.8	30.1	14.6	5.9
-30°	137.1	99.9	72.6	50.2	30.5	14.9	5.9
-32.5°	132.5	99.9	73.1	50.6	30.8	15.1	5.9
-35°	130.6	99.5	73.5	50.8	31.1	15.3	5.9
-37.5°	129.9	99.2	73.7	50.8	31.2	15.5	5.9
-40°	128.7	99.1	73.6	50.8	31.3	15.6	5.9
-42.5°	127.2	98.8	73.6	50.7	31.3	15.7	5.9
-45°	125.1	98.3	73.5	50.7	31.2	15.8	5.9
-47.5°	122.6	97.5	73.2	50.5	31.0	15.8	5.9
-50°	121.0	96.5	72.8	50.3	30.7	15.8	5.9
-52.5°	119.3	95.2	72.2	49.9	30.3	15.8	5.9
-55°	117.2	93.9	71.3	49.4	29.9	15.7	5.9
-57.5°	114.9	92.4	70.3	48.7	29.4	15.7	5.9
-60°	112.2	90.6	69.1	48.0	28.8	15.5	5.9
-62.5°	109.5	88.5	67.8	47.0	28.3	15.4	5.9
-65°	106.4	86.1	66.3	46.0	27.7	15.2	5.9
-67.5°	102.9	83.6	64.5	44.8	27.1	15.0	5.9
-70°	99.2	80.8	62.6	43.5	26.4	14.8	5.9
-72.5°	95.4	77.9	60.6	42.4	25.6	14.6	5.9
-75°	91.4	74.7	58.4	41.2	24.8	14.3	5.9
-77.5°	87.1	71.4	56.5	39.9	23.9	14.0	5.9
-80°	82.7	68.6	54.5	38.6	22.9	13.7	5.9
-82.5°	79.4	66.0	52.5	37.1	21.9	13.4	5.9
-85°	76.1	63.2	50.4	35.6	20.9	13.0	5.9
-87.5°	72.7	60.4	48.1	33.9	19.8	12.7	5.9
-90°	5.9	5.9	5.9	5.9	5.9	5.9	5.9

(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

