

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: P701425 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-5S-HEG-S**

Issue Date: 8/15/2023

Test Information

Test Method: LM-79-08
Report Number: P701425 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)
Test Lab: INNOVATION CENTER
Issue Date: 8/15/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-57-80-5S-HEG-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

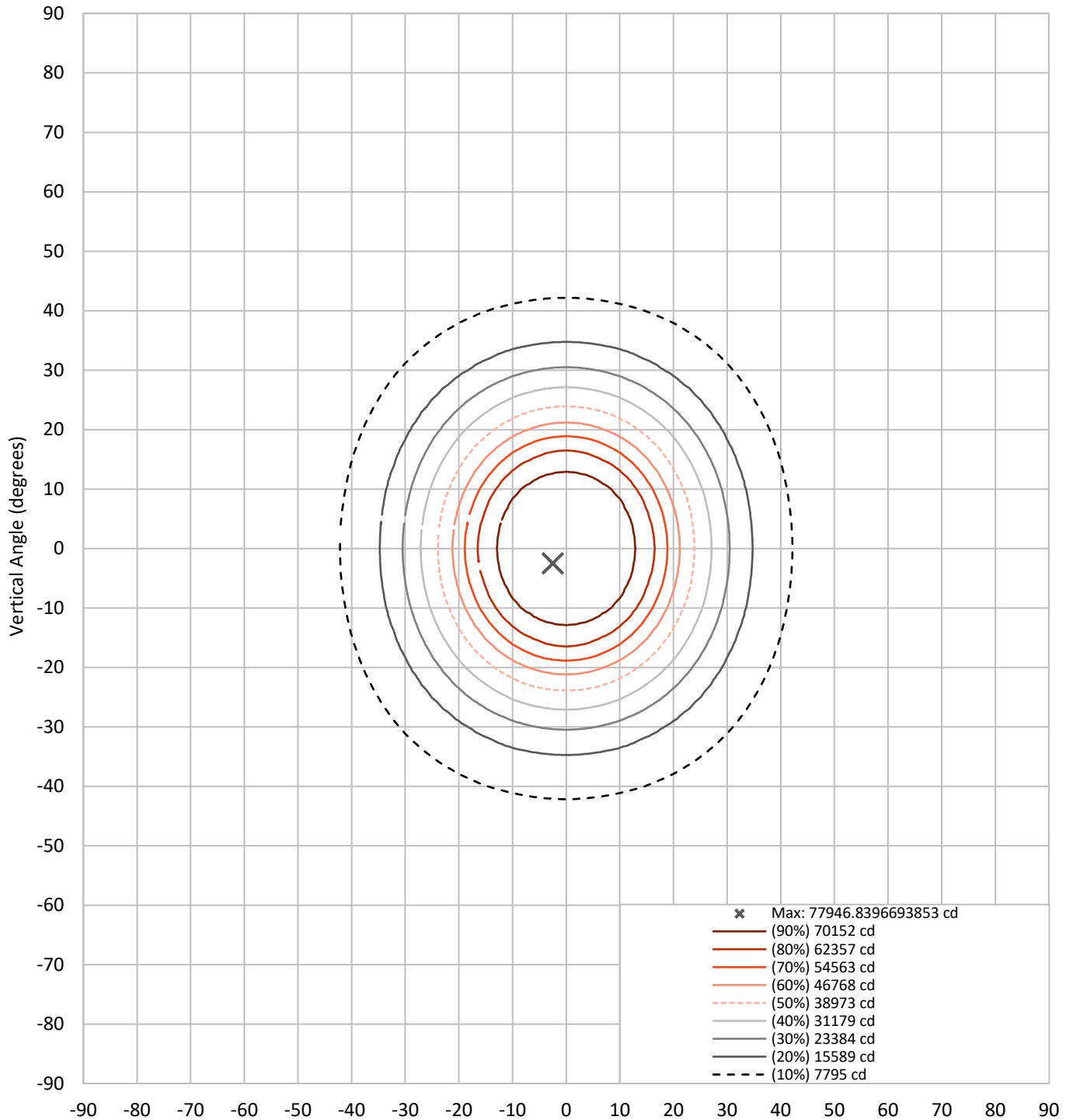
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	56974.5 lumens	Max Intensity:	77946.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	165.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	31962.6 lumens	Field Lumens:	53086.1 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%

Input Watts (W): 344.2
Input Voltage (V): NR
Input Current (A_{in}): 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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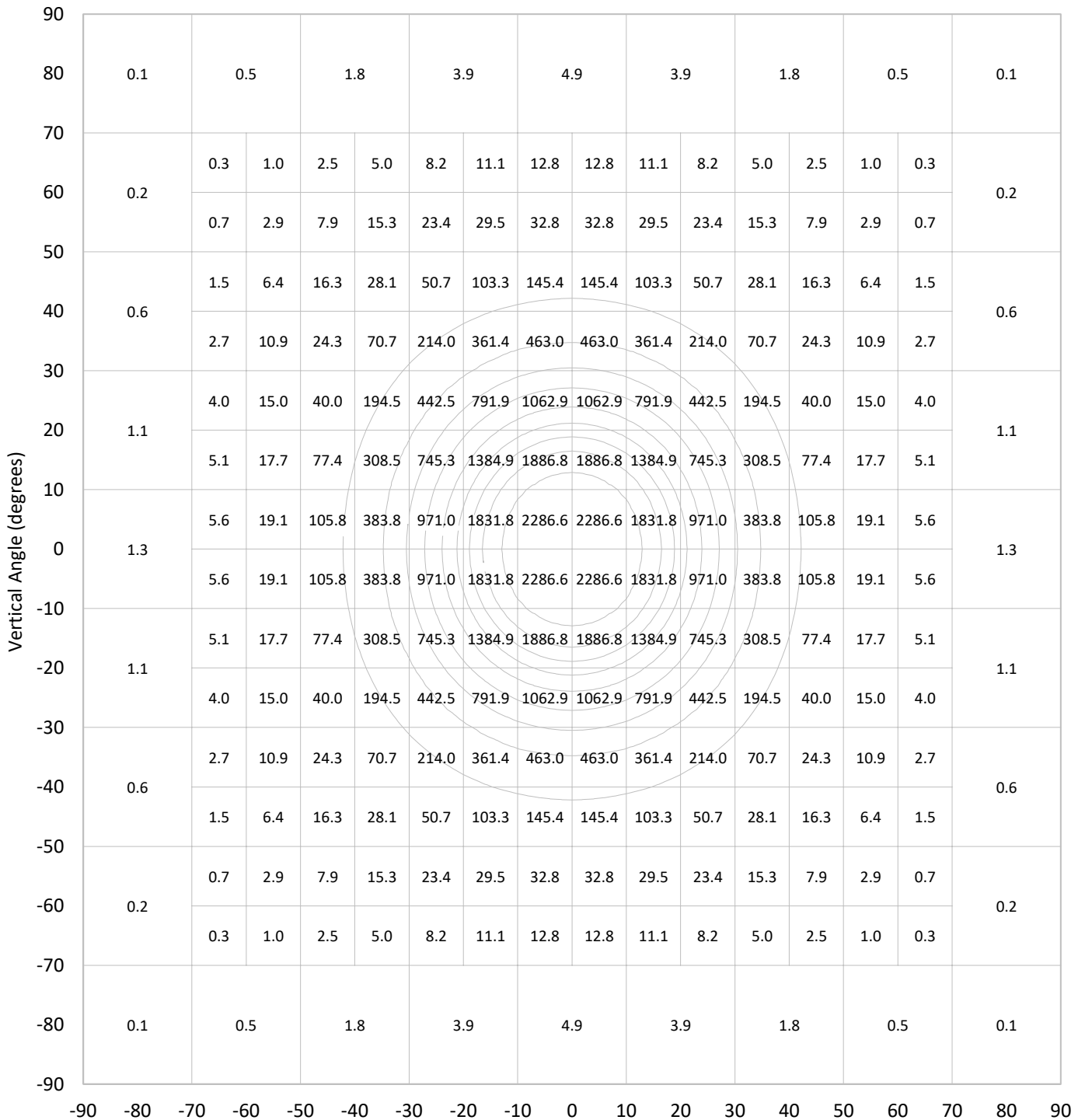
Iso-Candela Plot





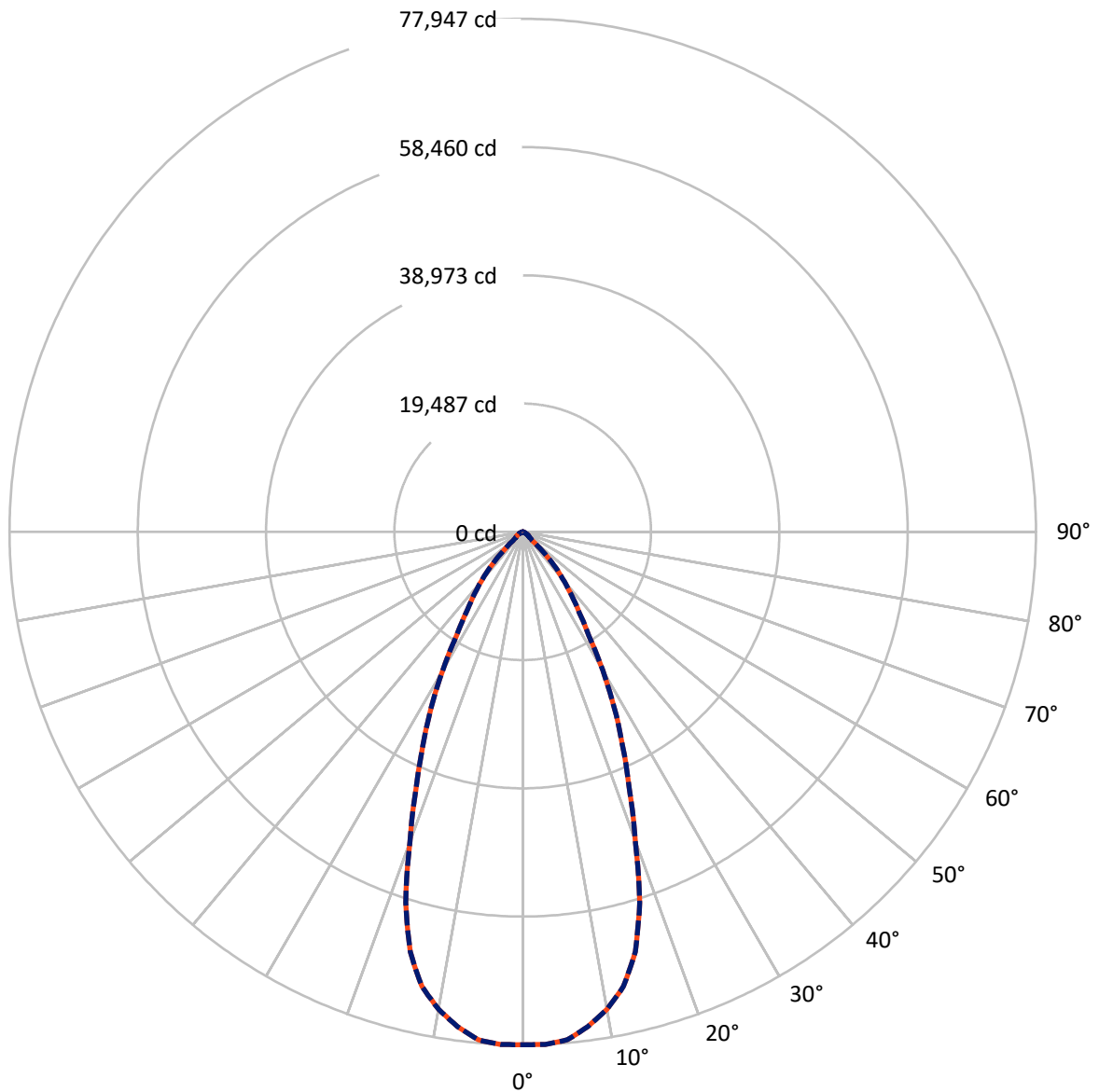
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Lumen Table



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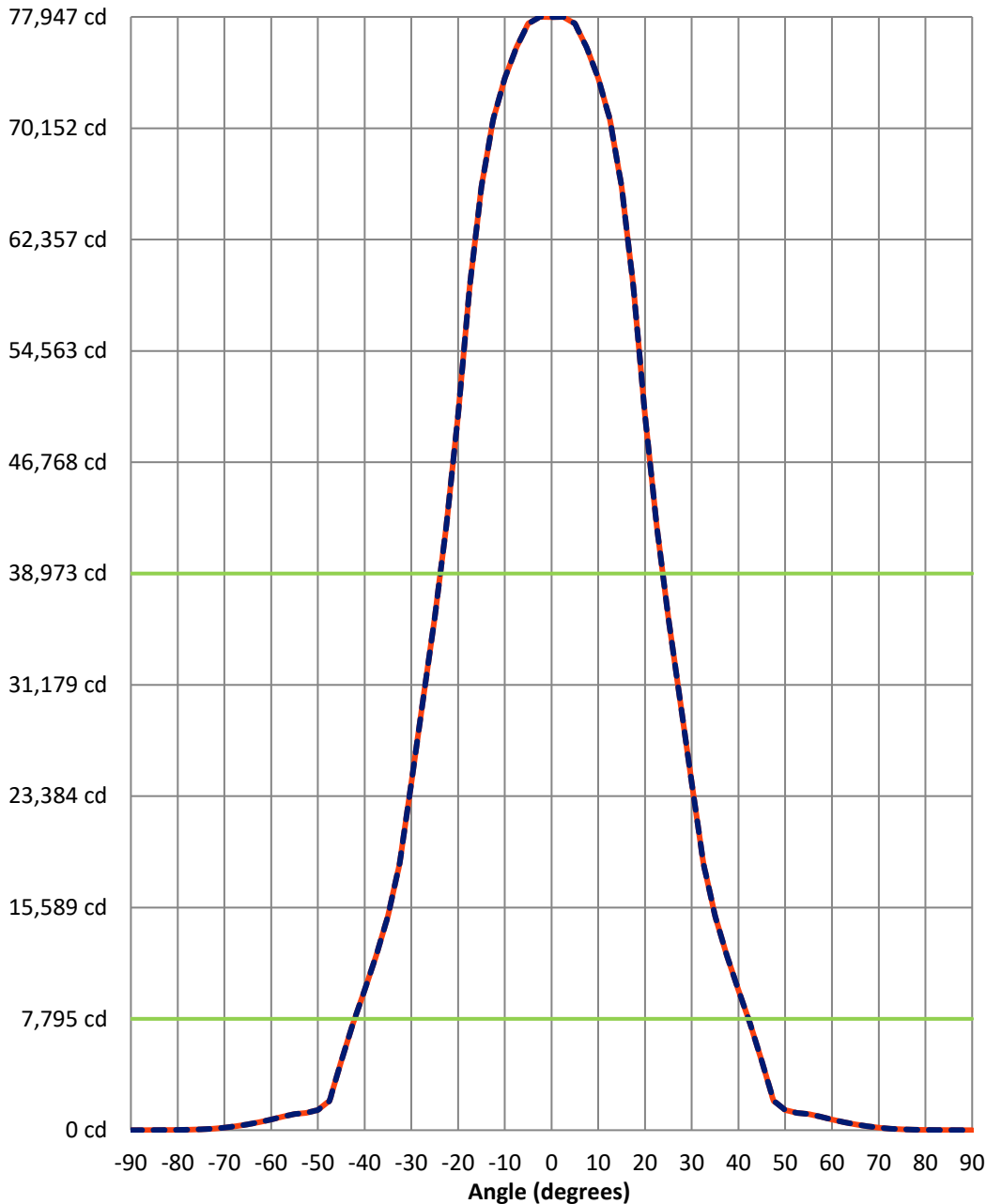
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 47.6°
V Angle: 47.6°
Lumens: 31962.6
Efficiency: 56.1%

Field:
H Angle: 84.3°
V Angle: 84.3°
Lumens: 53086.1
Efficiency: 93.2%

Spill:
Lumens: 3888.4
Efficiency: 6.8%

— Vertical Distribution through -2.5-Deg
- - Horizontal Distribution through -2.5-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.6
85°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.2
82.5°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.8
80°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.5	5.2	5.8	6.4
77.5°	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.7	6.5	7.2	8.1
75°	0.0	1.0	2.0	2.9	3.9	4.9	5.8	6.8	7.7	8.9	10.0
72.5°	0.0	1.1	2.3	3.4	4.5	5.7	6.8	8.0	9.3	10.6	11.9
70°	0.0	1.3	2.6	3.9	5.2	6.5	7.7	9.3	10.8	12.4	14.4
67.5°	0.0	1.5	2.9	4.4	5.8	7.2	8.9	10.6	12.4	14.7	17.1
65°	0.0	1.6	3.2	4.8	6.4	8.1	10.0	11.9	14.4	17.1	20.7
62.5°	0.0	1.8	3.5	5.3	7.0	9.0	11.1	13.6	16.5	20.0	26.5
60°	0.0	1.9	3.8	5.7	7.6	9.9	12.2	15.3	18.5	25.2	32.3
57.5°	0.0	2.0	4.1	6.1	8.3	10.8	13.6	17.0	22.5	30.2	40.9
55°	0.0	2.2	4.4	6.5	8.9	11.6	15.0	18.7	26.9	36.1	50.9
52.5°	0.0	2.3	4.6	6.9	9.6	12.5	16.4	22.2	31.2	44.7	60.5
50°	0.0	2.4	4.9	7.3	10.2	13.6	17.8	25.9	36.3	53.2	73.6
47.5°	0.0	2.6	5.1	7.7	10.9	14.7	19.3	29.4	43.5	61.3	86.7
45°	0.0	2.7	5.4	8.2	11.5	15.7	22.2	32.7	50.5	72.6	99.4
42.5°	0.0	2.8	5.6	8.6	12.0	16.7	25.0	37.5	57.2	83.5	121.0
40°	0.0	2.9	5.8	9.0	12.7	17.7	27.6	43.1	64.5	94.0	143.3
37.5°	0.0	3.0	6.0	9.4	13.4	18.6	30.1	48.4	73.3	106.5	164.5
35°	0.0	3.1	6.2	9.7	14.1	20.2	32.5	53.4	81.7	124.5	187.4
32.5°	0.0	3.2	6.4	10.1	14.7	22.0	35.3	58.1	89.5	141.5	213.2
30°	0.0	3.3	6.6	10.4	15.3	23.8	39.1	63.0	96.9	157.4	237.5
27.5°	0.0	3.4	6.7	10.7	15.9	25.4	42.6	69.0	106.1	172.1	260.0
25°	0.0	3.4	6.9	11.0	16.4	26.9	45.8	74.4	118.1	189.0	281.1
22.5°	0.0	3.5	7.0	11.2	16.9	28.2	48.7	79.4	129.1	206.0	304.8
20°	0.0	3.6	7.1	11.4	17.3	29.4	51.4	83.9	139.0	221.3	326.3
17.5°	0.0	3.6	7.2	11.6	17.7	30.5	53.7	88.0	147.8	234.9	345.4
15°	0.0	3.7	7.3	11.8	18.0	31.5	55.8	91.4	155.4	246.7	362.0
12.5°	0.0	3.7	7.4	12.0	18.3	32.3	57.5	94.4	162.0	256.8	376.2
10°	0.0	3.7	7.5	12.1	18.5	32.9	58.9	96.8	167.3	265.2	387.8
7.5°	0.0	3.8	7.5	12.2	18.7	33.4	60.1	98.7	171.5	271.6	396.9
5°	0.0	3.8	7.6	12.2	18.8	33.8	60.9	100.1	174.5	276.3	403.5
2.5°	0.0	3.8	7.6	12.3	18.9	34.0	61.3	100.9	176.3	279.1	407.4
0°	0.0	3.8	7.6	12.3	18.9	34.1	61.5	101.2	176.9	280.0	408.7
-2.5°	0.0	3.8	7.6	12.3	18.9	34.0	61.3	100.9	176.3	279.1	407.4
-5°	0.0	3.8	7.6	12.2	18.8	33.8	60.9	100.1	174.5	276.3	403.5
-7.5°	0.0	3.8	7.5	12.2	18.7	33.4	60.1	98.7	171.5	271.6	396.9
-10°	0.0	3.7	7.5	12.1	18.5	32.9	58.9	96.8	167.3	265.2	387.8
-12.5°	0.0	3.7	7.4	12.0	18.3	32.3	57.5	94.4	162.0	256.8	376.2
-15°	0.0	3.7	7.3	11.8	18.0	31.5	55.8	91.4	155.4	246.7	362.0
-17.5°	0.0	3.6	7.2	11.6	17.7	30.5	53.7	88.0	147.8	234.9	345.4
-20°	0.0	3.6	7.1	11.4	17.3	29.4	51.4	83.9	139.0	221.3	326.3



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.5	7.0	11.2	16.9	28.2	48.7	79.4	129.1	206.0	304.8
-25°	0.0	3.4	6.9	11.0	16.4	26.9	45.8	74.4	118.1	189.0	281.1
-27.5°	0.0	3.4	6.7	10.7	15.9	25.4	42.6	69.0	106.1	172.1	260.0
-30°	0.0	3.3	6.6	10.4	15.3	23.8	39.1	63.0	96.9	157.4	237.5
-32.5°	0.0	3.2	6.4	10.1	14.7	22.0	35.3	58.1	89.5	141.5	213.2
-35°	0.0	3.1	6.2	9.7	14.1	20.2	32.5	53.4	81.7	124.5	187.4
-37.5°	0.0	3.0	6.0	9.4	13.4	18.6	30.1	48.4	73.3	106.5	164.5
-40°	0.0	2.9	5.8	9.0	12.7	17.7	27.6	43.1	64.5	94.0	143.3
-42.5°	0.0	2.8	5.6	8.6	12.0	16.7	25.0	37.5	57.2	83.5	121.0
-45°	0.0	2.7	5.4	8.2	11.5	15.7	22.2	32.7	50.5	72.6	99.4
-47.5°	0.0	2.6	5.1	7.7	10.9	14.7	19.3	29.4	43.5	61.3	86.7
-50°	0.0	2.4	4.9	7.3	10.2	13.6	17.8	25.9	36.3	53.2	73.6
-52.5°	0.0	2.3	4.6	6.9	9.6	12.5	16.4	22.2	31.2	44.7	60.5
-55°	0.0	2.2	4.4	6.5	8.9	11.6	15.0	18.7	26.9	36.1	50.9
-57.5°	0.0	2.0	4.1	6.1	8.3	10.8	13.6	17.0	22.5	30.2	40.9
-60°	0.0	1.9	3.8	5.7	7.6	9.9	12.2	15.3	18.5	25.2	32.3
-62.5°	0.0	1.8	3.5	5.3	7.0	9.0	11.1	13.6	16.5	20.0	26.5
-65°	0.0	1.6	3.2	4.8	6.4	8.1	10.0	11.9	14.4	17.1	20.7
-67.5°	0.0	1.5	2.9	4.4	5.8	7.2	8.9	10.6	12.4	14.7	17.1
-70°	0.0	1.3	2.6	3.9	5.2	6.5	7.7	9.3	10.8	12.4	14.4
-72.5°	0.0	1.1	2.3	3.4	4.5	5.7	6.8	8.0	9.3	10.6	11.9
-75°	0.0	1.0	2.0	2.9	3.9	4.9	5.8	6.8	7.7	8.9	10.0
-77.5°	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.7	6.5	7.2	8.1
-80°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.5	5.2	5.8	6.4
-82.5°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.8
-85°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.2
-87.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8	2.9	3.0
85°	3.5	3.8	4.1	4.4	4.6	4.9	5.1	5.4	5.6	5.8	6.0
82.5°	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.2	8.6	9.0	9.4
80°	7.0	7.6	8.3	8.9	9.6	10.2	10.9	11.5	12.0	12.7	13.4
77.5°	9.0	9.9	10.8	11.6	12.5	13.6	14.7	15.7	16.7	17.7	18.6
75°	11.1	12.2	13.6	15.0	16.4	17.8	19.3	22.2	25.0	27.6	30.1
72.5°	13.6	15.3	17.0	18.7	22.2	25.9	29.4	32.7	37.5	43.1	48.4
70°	16.5	18.5	22.5	26.9	31.2	36.3	43.5	50.5	57.2	64.5	73.3
67.5°	20.0	25.2	30.2	36.1	44.7	53.2	61.3	72.6	83.5	94.0	106.5
65°	26.5	32.3	40.9	50.9	60.5	73.6	86.7	99.4	121.0	143.3	164.5
62.5°	32.9	43.4	54.5	67.2	82.5	97.5	121.7	148.3	174.0	206.4	238.3
60°	43.4	55.8	70.8	88.0	107.9	139.0	169.1	206.0	244.2	281.1	324.8
57.5°	54.5	70.8	89.8	114.8	149.4	185.3	229.9	273.0	323.1	372.9	423.2
55°	67.2	88.0	114.8	152.9	194.9	244.3	295.4	353.5	409.8	475.6	538.6
52.5°	82.5	107.9	149.4	194.9	249.2	307.6	371.9	439.9	513.5	587.3	665.9
50°	97.5	139.0	185.3	244.3	307.6	378.0	455.1	536.4	623.0	710.9	801.8
47.5°	121.7	169.1	229.9	295.4	371.9	455.1	544.1	641.0	738.2	843.5	946.1
45°	148.3	206.0	273.0	353.5	439.9	536.4	641.0	747.3	864.6	974.7	1069.1
42.5°	174.0	244.2	323.1	409.8	513.5	623.0	738.2	864.6	983.9	1087.8	1156.8
40°	206.4	281.1	372.9	475.6	587.3	710.9	843.5	974.7	1087.8	1161.0	1208.6
37.5°	238.3	324.8	423.2	538.6	665.9	801.8	946.1	1069.1	1156.8	1208.6	1335.2
35°	268.7	366.4	478.5	603.8	740.9	893.5	1031.9	1144.0	1199.9	1323.6	1558.3
32.5°	301.6	405.7	530.9	669.6	820.9	976.9	1112.6	1182.6	1289.1	1482.4	1947.1
30°	335.1	450.1	582.5	731.6	897.1	1047.8	1157.1	1232.4	1390.7	1831.1	3086.2
27.5°	366.4	492.1	635.6	795.3	966.5	1114.4	1189.2	1321.8	1640.4	2420.4	4573.0
25°	395.3	530.9	684.9	856.3	1023.6	1151.5	1232.0	1405.2	1928.6	3725.8	5904.3
22.5°	424.5	566.6	730.0	912.2	1076.1	1176.9	1303.3	1626.5	2566.3	4933.7	7125.8
20°	453.6	603.8	774.1	961.7	1123.8	1200.0	1368.3	1852.4	3595.9	5975.8	8170.3
17.5°	479.5	636.9	815.4	1000.7	1147.0	1236.4	1447.6	2055.3	4522.6	6916.0	9078.6
15°	502.2	665.9	851.6	1034.9	1163.7	1283.5	1612.2	2729.3	5312.0	7722.2	9885.0
12.5°	521.4	690.6	882.5	1064.1	1178.0	1323.9	1753.3	3376.6	5971.9	8363.0	10609.1
10°	537.3	710.9	907.9	1088.2	1189.8	1357.2	1870.0	3912.6	6519.1	8895.3	11212.1
7.5°	549.7	726.8	927.8	1107.0	1199.0	1383.3	1961.5	4333.6	6949.5	9314.7	11688.0
5°	558.6	738.2	942.1	1120.5	1205.6	1402.0	2027.3	4636.6	7259.6	9617.1	12031.7
2.5°	563.9	745.0	950.6	1128.7	1209.6	1413.3	2067.0	4819.3	7446.7	9799.8	12239.6
0°	565.7	747.3	953.5	1131.4	1210.9	1417.1	2080.2	4880.3	7509.2	9860.9	12309.1
-2.5°	563.9	745.0	950.6	1128.7	1209.6	1413.3	2067.0	4819.3	7446.7	9799.8	12239.6
-5°	558.6	738.2	942.1	1120.5	1205.6	1402.0	2027.3	4636.6	7259.6	9617.1	12031.7
-7.5°	549.7	726.8	927.8	1107.0	1199.0	1383.3	1961.5	4333.6	6949.5	9314.7	11688.0
-10°	537.3	710.9	907.9	1088.2	1189.8	1357.2	1870.0	3912.6	6519.1	8895.3	11212.1
-12.5°	521.4	690.6	882.5	1064.1	1178.0	1323.9	1753.3	3376.6	5971.9	8363.0	10609.1
-15°	502.2	665.9	851.6	1034.9	1163.7	1283.5	1612.2	2729.3	5312.0	7722.2	9885.0
-17.5°	479.5	636.9	815.4	1000.7	1147.0	1236.4	1447.6	2055.3	4522.6	6916.0	9078.6
-20°	453.6	603.8	774.1	961.7	1123.8	1200.0	1368.3	1852.4	3595.9	5975.8	8170.3



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 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	424.5	566.6	730.0	912.2	1076.1	1176.9	1303.3	1626.5	2566.3	4933.7	7125.8
-25°	395.3	530.9	684.9	856.3	1023.6	1151.5	1232.0	1405.2	1928.6	3725.8	5904.3
-27.5°	366.4	492.1	635.6	795.3	966.5	1114.4	1189.2	1321.8	1640.4	2420.4	4573.0
-30°	335.1	450.1	582.5	731.6	897.1	1047.8	1157.1	1232.4	1390.7	1831.1	3086.2
-32.5°	301.6	405.7	530.9	669.6	820.9	976.9	1112.6	1182.6	1289.1	1482.4	1947.1
-35°	268.7	366.4	478.5	603.8	740.9	893.5	1031.9	1144.0	1199.9	1323.6	1558.3
-37.5°	238.3	324.8	423.2	538.6	665.9	801.8	946.1	1069.1	1156.8	1208.6	1335.2
-40°	206.4	281.1	372.9	475.6	587.3	710.9	843.5	974.7	1087.8	1161.0	1208.6
-42.5°	174.0	244.2	323.1	409.8	513.5	623.0	738.2	864.6	983.9	1087.8	1156.8
-45°	148.3	206.0	273.0	353.5	439.9	536.4	641.0	747.3	864.6	974.7	1069.1
-47.5°	121.7	169.1	229.9	295.4	371.9	455.1	544.1	641.0	738.2	843.5	946.1
-50°	97.5	139.0	185.3	244.3	307.6	378.0	455.1	536.4	623.0	710.9	801.8
-52.5°	82.5	107.9	149.4	194.9	249.2	307.6	371.9	439.9	513.5	587.3	665.9
-55°	67.2	88.0	114.8	152.9	194.9	244.3	295.4	353.5	409.8	475.6	538.6
-57.5°	54.5	70.8	89.8	114.8	149.4	185.3	229.9	273.0	323.1	372.9	423.2
-60°	43.4	55.8	70.8	88.0	107.9	139.0	169.1	206.0	244.2	281.1	324.8
-62.5°	32.9	43.4	54.5	67.2	82.5	97.5	121.7	148.3	174.0	206.4	238.3
-65°	26.5	32.3	40.9	50.9	60.5	73.6	86.7	99.4	121.0	143.3	164.5
-67.5°	20.0	25.2	30.2	36.1	44.7	53.2	61.3	72.6	83.5	94.0	106.5
-70°	16.5	18.5	22.5	26.9	31.2	36.3	43.5	50.5	57.2	64.5	73.3
-72.5°	13.6	15.3	17.0	18.7	22.2	25.9	29.4	32.7	37.5	43.1	48.4
-75°	11.1	12.2	13.6	15.0	16.4	17.8	19.3	22.2	25.0	27.6	30.1
-77.5°	9.0	9.9	10.8	11.6	12.5	13.6	14.7	15.7	16.7	17.7	18.6
-80°	7.0	7.6	8.3	8.9	9.6	10.2	10.9	11.5	12.0	12.7	13.4
-82.5°	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.2	8.6	9.0	9.4
-85°	3.5	3.8	4.1	4.4	4.6	4.9	5.1	5.4	5.6	5.8	6.0
-87.5°	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8	2.9	3.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7
85°	6.2	6.4	6.6	6.7	6.9	7.0	7.1	7.2	7.3	7.4	7.5
82.5°	9.7	10.1	10.4	10.7	11.0	11.2	11.4	11.6	11.8	12.0	12.1
80°	14.1	14.7	15.3	15.9	16.4	16.9	17.3	17.7	18.0	18.3	18.5
77.5°	20.2	22.0	23.8	25.4	26.9	28.2	29.4	30.5	31.5	32.3	32.9
75°	32.5	35.3	39.1	42.6	45.8	48.7	51.4	53.7	55.8	57.5	58.9
72.5°	53.4	58.1	63.0	69.0	74.4	79.4	83.9	88.0	91.4	94.4	96.8
70°	81.7	89.5	96.9	106.1	118.1	129.1	139.0	147.8	155.4	162.0	167.3
67.5°	124.5	141.5	157.4	172.1	189.0	206.0	221.3	234.9	246.7	256.8	265.2
65°	187.4	213.2	237.5	260.0	281.1	304.8	326.3	345.4	362.0	376.2	387.8
62.5°	268.7	301.6	335.1	366.4	395.3	424.5	453.6	479.5	502.2	521.4	537.3
60°	366.4	405.7	450.1	492.1	530.9	566.6	603.8	636.9	665.9	690.6	710.9
57.5°	478.5	530.9	582.5	635.6	684.9	730.0	774.1	815.4	851.6	882.5	907.9
55°	603.8	669.6	731.6	795.3	856.3	912.2	961.7	1000.7	1034.9	1064.1	1088.2
52.5°	740.9	820.9	897.1	966.5	1023.6	1076.1	1123.8	1147.0	1163.7	1178.0	1189.8
50°	893.5	976.9	1047.8	1114.4	1151.5	1176.9	1200.0	1236.4	1283.5	1323.9	1357.2
47.5°	1031.9	1112.6	1157.1	1189.2	1232.0	1303.3	1368.3	1447.6	1612.2	1753.3	1870.0
45°	1144.0	1182.6	1232.4	1321.8	1405.2	1626.5	1852.4	2055.3	2729.3	3376.6	3912.6
42.5°	1199.9	1289.1	1390.7	1640.4	1928.6	2566.3	3595.9	4522.6	5312.0	5971.9	6519.1
40°	1323.6	1482.4	1831.1	2420.4	3725.8	4933.7	5975.8	6916.0	7722.2	8363.0	8895.3
37.5°	1558.3	1947.1	3086.2	4573.0	5904.3	7125.8	8170.3	9078.6	9885.0	10609.1	11212.1
35°	1986.1	3422.8	5076.6	6564.7	7919.9	9092.1	10185.6	11206.6	12114.8	12981.0	13726.1
32.5°	3422.8	5239.4	6899.1	8380.1	9720.9	11023.0	12233.2	13473.6	14590.0	15721.7	16811.0
30°	5076.6	6899.1	8534.9	10047.1	11535.6	13020.1	14496.2	16105.3	17728.0	19324.1	21153.6
27.5°	6564.7	8380.1	10047.1	11708.2	13425.2	15137.0	17263.0	19437.1	22143.1	24516.7	26560.4
25°	7919.9	9720.9	11535.6	13425.2	15420.9	17853.1	20848.5	24092.3	27081.1	29725.9	31960.4
22.5°	9092.1	11023.0	13020.1	15137.0	17853.1	21325.6	25100.4	28671.6	31919.3	34794.2	37402.9
20°	10185.6	12233.2	14496.2	17263.0	20848.5	25100.4	29211.1	33045.0	36622.8	40198.4	43407.5
17.5°	11206.6	13473.6	16105.3	19437.1	24092.3	28671.6	33045.0	37306.2	41647.6	46161.0	50284.6
15°	12114.8	14590.0	17728.0	22143.1	27081.1	31919.3	36622.8	41647.6	47105.4	52610.5	58008.9
12.5°	12981.0	15721.7	19324.1	24516.7	29725.9	34794.2	40198.4	46161.0	52610.5	59320.0	63958.6
10°	13726.1	16811.0	21153.6	26560.4	31960.4	37402.9	43407.5	50284.6	58008.9	63958.6	68420.0
7.5°	14315.4	17675.1	22609.6	28193.8	33751.6	39656.8	46429.4	54227.6	61827.6	67521.1	71127.3
5°	14741.9	18301.7	23668.4	29385.8	35064.5	41318.5	48674.5	57219.4	64412.0	69593.4	72769.7
2.5°	15000.1	18681.6	24311.6	30111.7	35866.6	42337.9	50059.9	59080.6	66039.2	70741.4	73651.9
0°	15086.5	18808.9	24527.3	30355.5	36136.4	42681.6	50528.5	59713.0	66595.9	71094.1	73953.7
-2.5°	15000.1	18681.6	24311.6	30111.7	35866.6	42337.9	50059.9	59080.6	66039.2	70741.4	73651.9
-5°	14741.9	18301.7	23668.4	29385.8	35064.5	41318.5	48674.5	57219.4	64412.0	69593.4	72769.7
-7.5°	14315.4	17675.1	22609.6	28193.8	33751.6	39656.8	46429.4	54227.6	61827.6	67521.1	71127.3
-10°	13726.1	16811.0	21153.6	26560.4	31960.4	37402.9	43407.5	50284.6	58008.9	63958.6	68420.0
-12.5°	12981.0	15721.7	19324.1	24516.7	29725.9	34794.2	40198.4	46161.0	52610.5	59320.0	63958.6
-15°	12114.8	14590.0	17728.0	22143.1	27081.1	31919.3	36622.8	41647.6	47105.4	52610.5	58008.9
-17.5°	11206.6	13473.6	16105.3	19437.1	24092.3	28671.6	33045.0	37306.2	41647.6	46161.0	50284.6
-20°	10185.6	12233.2	14496.2	17263.0	20848.5	25100.4	29211.1	33045.0	36622.8	40198.4	43407.5



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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°	9092.1	11023.0	13020.1	15137.0	17853.1	21325.6	25100.4	28671.6	31919.3	34794.2	37402.9
-25°	7919.9	9720.9	11535.6	13425.2	15420.9	17853.1	20848.5	24092.3	27081.1	29725.9	31960.4
-27.5°	6564.7	8380.1	10047.1	11708.2	13425.2	15137.0	17263.0	19437.1	22143.1	24516.7	26560.4
-30°	5076.6	6899.1	8534.9	10047.1	11535.6	13020.1	14496.2	16105.3	17728.0	19324.1	21153.6
-32.5°	3422.8	5239.4	6899.1	8380.1	9720.9	11023.0	12233.2	13473.6	14590.0	15721.7	16811.0
-35°	1986.1	3422.8	5076.6	6564.7	7919.9	9092.1	10185.6	11206.6	12114.8	12981.0	13726.1
-37.5°	1558.3	1947.1	3086.2	4573.0	5904.3	7125.8	8170.3	9078.6	9885.0	10609.1	11212.1
-40°	1323.6	1482.4	1831.1	2420.4	3725.8	4933.7	5975.8	6916.0	7722.2	8363.0	8895.3
-42.5°	1199.9	1289.1	1390.7	1640.4	1928.6	2566.3	3595.9	4522.6	5312.0	5971.9	6519.1
-45°	1144.0	1182.6	1232.4	1321.8	1405.2	1626.5	1852.4	2055.3	2729.3	3376.6	3912.6
-47.5°	1031.9	1112.6	1157.1	1189.2	1232.0	1303.3	1368.3	1447.6	1612.2	1753.3	1870.0
-50°	893.5	976.9	1047.8	1114.4	1151.5	1176.9	1200.0	1236.4	1283.5	1323.9	1357.2
-52.5°	740.9	820.9	897.1	966.5	1023.6	1076.1	1123.8	1147.0	1163.7	1178.0	1189.8
-55°	603.8	669.6	731.6	795.3	856.3	912.2	961.7	1000.7	1034.9	1064.1	1088.2
-57.5°	478.5	530.9	582.5	635.6	684.9	730.0	774.1	815.4	851.6	882.5	907.9
-60°	366.4	405.7	450.1	492.1	530.9	566.6	603.8	636.9	665.9	690.6	710.9
-62.5°	268.7	301.6	335.1	366.4	395.3	424.5	453.6	479.5	502.2	521.4	537.3
-65°	187.4	213.2	237.5	260.0	281.1	304.8	326.3	345.4	362.0	376.2	387.8
-67.5°	124.5	141.5	157.4	172.1	189.0	206.0	221.3	234.9	246.7	256.8	265.2
-70°	81.7	89.5	96.9	106.1	118.1	129.1	139.0	147.8	155.4	162.0	167.3
-72.5°	53.4	58.1	63.0	69.0	74.4	79.4	83.9	88.0	91.4	94.4	96.8
-75°	32.5	35.3	39.1	42.6	45.8	48.7	51.4	53.7	55.8	57.5	58.9
-77.5°	20.2	22.0	23.8	25.4	26.9	28.2	29.4	30.5	31.5	32.3	32.9
-80°	14.1	14.7	15.3	15.9	16.4	16.9	17.3	17.7	18.0	18.3	18.5
-82.5°	9.7	10.1	10.4	10.7	11.0	11.2	11.4	11.6	11.8	12.0	12.1
-85°	6.2	6.4	6.6	6.7	6.9	7.0	7.1	7.2	7.3	7.4	7.5
-87.5°	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6
85°	7.5	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.4	7.3	7.2
82.5°	12.2	12.2	12.3	12.3	12.3	12.2	12.2	12.1	12.0	11.8	11.6
80°	18.7	18.8	18.9	18.9	18.9	18.8	18.7	18.5	18.3	18.0	17.7
77.5°	33.4	33.8	34.0	34.1	34.0	33.8	33.4	32.9	32.3	31.5	30.5
75°	60.1	60.9	61.3	61.5	61.3	60.9	60.1	58.9	57.5	55.8	53.7
72.5°	98.7	100.1	100.9	101.2	100.9	100.1	98.7	96.8	94.4	91.4	88.0
70°	171.5	174.5	176.3	176.9	176.3	174.5	171.5	167.3	162.0	155.4	147.8
67.5°	271.6	276.3	279.1	280.0	279.1	276.3	271.6	265.2	256.8	246.7	234.9
65°	396.9	403.5	407.4	408.7	407.4	403.5	396.9	387.8	376.2	362.0	345.4
62.5°	549.7	558.6	563.9	565.7	563.9	558.6	549.7	537.3	521.4	502.2	479.5
60°	726.8	738.2	745.0	747.3	745.0	738.2	726.8	710.9	690.6	665.9	636.9
57.5°	927.8	942.1	950.6	953.5	950.6	942.1	927.8	907.9	882.5	851.6	815.4
55°	1107.0	1120.5	1128.7	1131.4	1128.7	1120.5	1107.0	1088.2	1064.1	1034.9	1000.7
52.5°	1199.0	1205.6	1209.6	1210.9	1209.6	1205.6	1199.0	1189.8	1178.0	1163.7	1147.0
50°	1383.3	1402.0	1413.3	1417.1	1413.3	1402.0	1383.3	1357.2	1323.9	1283.5	1236.4
47.5°	1961.5	2027.3	2067.0	2080.2	2067.0	2027.3	1961.5	1870.0	1753.3	1612.2	1447.6
45°	4333.6	4636.6	4819.3	4880.3	4819.3	4636.6	4333.6	3912.6	3376.6	2729.3	2055.3
42.5°	6949.5	7259.6	7446.7	7509.2	7446.7	7259.6	6949.5	6519.1	5971.9	5312.0	4522.6
40°	9314.7	9617.1	9799.8	9860.9	9799.8	9617.1	9314.7	8895.3	8363.0	7722.2	6916.0
37.5°	11688.0	12031.7	12239.6	12309.1	12239.6	12031.7	11688.0	11212.1	10609.1	9885.0	9078.6
35°	14315.4	14741.9	15000.1	15086.5	15000.1	14741.9	14315.4	13726.1	12981.0	12114.8	11206.6
32.5°	17675.1	18301.7	18681.6	18808.9	18681.6	18301.7	17675.1	16811.0	15721.7	14590.0	13473.6
30°	22609.6	23668.4	24311.6	24527.3	24311.6	23668.4	22609.6	21153.6	19324.1	17728.0	16105.3
27.5°	28193.8	29385.8	30111.7	30355.5	30111.7	29385.8	28193.8	26560.4	24516.7	22143.1	19437.1
25°	33751.6	35064.5	35866.6	36136.4	35866.6	35064.5	33751.6	31960.4	29725.9	27081.1	24092.3
22.5°	39656.8	41318.5	42337.9	42681.6	42337.9	41318.5	39656.8	37402.9	34794.2	31919.3	28671.6
20°	46429.4	48674.5	50059.9	50528.5	50059.9	48674.5	46429.4	43407.5	40198.4	36622.8	33045.0
17.5°	54227.6	57219.4	59080.6	59713.0	59080.6	57219.4	54227.6	50284.6	46161.0	41647.6	37306.2
15°	61827.6	64412.0	66039.2	66595.9	66039.2	64412.0	61827.6	58008.9	52610.5	47105.4	41647.6
12.5°	67521.1	69593.4	70741.4	71094.1	70741.4	69593.4	67521.1	63958.6	59320.0	52610.5	46161.0
10°	71127.3	72769.7	73651.9	73953.7	73651.9	72769.7	71127.3	68420.0	63958.6	58008.9	50284.6
7.5°	73368.0	74897.0	75815.4	76139.0	75815.4	74897.0	73368.0	71127.3	67521.1	61827.6	54227.6
5°	74897.0	76486.6	77472.9	77773.6	77472.9	76486.6	74897.0	72769.7	69593.4	64412.0	57219.4
2.5°	75815.4	77472.9	77946.8	77930.6	77946.8	77472.9	75815.4	73651.9	70741.4	66039.2	59080.6
0°	76139.0	77773.6	77930.6	77629.8	77930.6	77773.6	76139.0	73953.7	71094.1	66595.9	59713.0
-2.5°	75815.4	77472.9	77946.8	77930.6	77946.8	77472.9	75815.4	73651.9	70741.4	66039.2	59080.6
-5°	74897.0	76486.6	77472.9	77773.6	77472.9	76486.6	74897.0	72769.7	69593.4	64412.0	57219.4
-7.5°	73368.0	74897.0	75815.4	76139.0	75815.4	74897.0	73368.0	71127.3	67521.1	61827.6	54227.6
-10°	71127.3	72769.7	73651.9	73953.7	73651.9	72769.7	71127.3	68420.0	63958.6	58008.9	50284.6
-12.5°	67521.1	69593.4	70741.4	71094.1	70741.4	69593.4	67521.1	63958.6	59320.0	52610.5	46161.0
-15°	61827.6	64412.0	66039.2	66595.9	66039.2	64412.0	61827.6	58008.9	52610.5	47105.4	41647.6
-17.5°	54227.6	57219.4	59080.6	59713.0	59080.6	57219.4	54227.6	50284.6	46161.0	41647.6	37306.2
-20°	46429.4	48674.5	50059.9	50528.5	50059.9	48674.5	46429.4	43407.5	40198.4	36622.8	33045.0



REPORT NUMBER: P701425 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	39656.8	41318.5	42337.9	42681.6	42337.9	41318.5	39656.8	37402.9	34794.2	31919.3	28671.6
-25°	33751.6	35064.5	35866.6	36136.4	35866.6	35064.5	33751.6	31960.4	29725.9	27081.1	24092.3
-27.5°	28193.8	29385.8	30111.7	30355.5	30111.7	29385.8	28193.8	26560.4	24516.7	22143.1	19437.1
-30°	22609.6	23668.4	24311.6	24527.3	24311.6	23668.4	22609.6	21153.6	19324.1	17728.0	16105.3
-32.5°	17675.1	18301.7	18681.6	18808.9	18681.6	18301.7	17675.1	16811.0	15721.7	14590.0	13473.6
-35°	14315.4	14741.9	15000.1	15086.5	15000.1	14741.9	14315.4	13726.1	12981.0	12114.8	11206.6
-37.5°	11688.0	12031.7	12239.6	12309.1	12239.6	12031.7	11688.0	11212.1	10609.1	9885.0	9078.6
-40°	9314.7	9617.1	9799.8	9860.9	9799.8	9617.1	9314.7	8895.3	8363.0	7722.2	6916.0
-42.5°	6949.5	7259.6	7446.7	7509.2	7446.7	7259.6	6949.5	6519.1	5971.9	5312.0	4522.6
-45°	4333.6	4636.6	4819.3	4880.3	4819.3	4636.6	4333.6	3912.6	3376.6	2729.3	2055.3
-47.5°	1961.5	2027.3	2067.0	2080.2	2067.0	2027.3	1961.5	1870.0	1753.3	1612.2	1447.6
-50°	1383.3	1402.0	1413.3	1417.1	1413.3	1402.0	1383.3	1357.2	1323.9	1283.5	1236.4
-52.5°	1199.0	1205.6	1209.6	1210.9	1209.6	1205.6	1199.0	1189.8	1178.0	1163.7	1147.0
-55°	1107.0	1120.5	1128.7	1131.4	1128.7	1120.5	1107.0	1088.2	1064.1	1034.9	1000.7
-57.5°	927.8	942.1	950.6	953.5	950.6	942.1	927.8	907.9	882.5	851.6	815.4
-60°	726.8	738.2	745.0	747.3	745.0	738.2	726.8	710.9	690.6	665.9	636.9
-62.5°	549.7	558.6	563.9	565.7	563.9	558.6	549.7	537.3	521.4	502.2	479.5
-65°	396.9	403.5	407.4	408.7	407.4	403.5	396.9	387.8	376.2	362.0	345.4
-67.5°	271.6	276.3	279.1	280.0	279.1	276.3	271.6	265.2	256.8	246.7	234.9
-70°	171.5	174.5	176.3	176.9	176.3	174.5	171.5	167.3	162.0	155.4	147.8
-72.5°	98.7	100.1	100.9	101.2	100.9	100.1	98.7	96.8	94.4	91.4	88.0
-75°	60.1	60.9	61.3	61.5	61.3	60.9	60.1	58.9	57.5	55.8	53.7
-77.5°	33.4	33.8	34.0	34.1	34.0	33.8	33.4	32.9	32.3	31.5	30.5
-80°	18.7	18.8	18.9	18.9	18.9	18.8	18.7	18.5	18.3	18.0	17.7
-82.5°	12.2	12.2	12.3	12.3	12.3	12.2	12.2	12.1	12.0	11.8	11.6
-85°	7.5	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.4	7.3	7.2
-87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701425 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
85°	7.1	7.0	6.9	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4
82.5°	11.4	11.2	11.0	10.7	10.4	10.1	9.7	9.4	9.0	8.6	8.2
80°	17.3	16.9	16.4	15.9	15.3	14.7	14.1	13.4	12.7	12.0	11.5
77.5°	29.4	28.2	26.9	25.4	23.8	22.0	20.2	18.6	17.7	16.7	15.7
75°	51.4	48.7	45.8	42.6	39.1	35.3	32.5	30.1	27.6	25.0	22.2
72.5°	83.9	79.4	74.4	69.0	63.0	58.1	53.4	48.4	43.1	37.5	32.7
70°	139.0	129.1	118.1	106.1	96.9	89.5	81.7	73.3	64.5	57.2	50.5
67.5°	221.3	206.0	189.0	172.1	157.4	141.5	124.5	106.5	94.0	83.5	72.6
65°	326.3	304.8	281.1	260.0	237.5	213.2	187.4	164.5	143.3	121.0	99.4
62.5°	453.6	424.5	395.3	366.4	335.1	301.6	268.7	238.3	206.4	174.0	148.3
60°	603.8	566.6	530.9	492.1	450.1	405.7	366.4	324.8	281.1	244.2	206.0
57.5°	774.1	730.0	684.9	635.6	582.5	530.9	478.5	423.2	372.9	323.1	273.0
55°	961.7	912.2	856.3	795.3	731.6	669.6	603.8	538.6	475.6	409.8	353.5
52.5°	1123.8	1076.1	1023.6	966.5	897.1	820.9	740.9	665.9	587.3	513.5	439.9
50°	1200.0	1176.9	1151.5	1114.4	1047.8	976.9	893.5	801.8	710.9	623.0	536.4
47.5°	1368.3	1303.3	1232.0	1189.2	1157.1	1112.6	1031.9	946.1	843.5	738.2	641.0
45°	1852.4	1626.5	1405.2	1321.8	1232.4	1182.6	1144.0	1069.1	974.7	864.6	747.3
42.5°	3595.9	2566.3	1928.6	1640.4	1390.7	1289.1	1199.9	1156.8	1087.8	983.9	864.6
40°	5975.8	4933.7	3725.8	2420.4	1831.1	1482.4	1323.6	1208.6	1161.0	1087.8	974.7
37.5°	8170.3	7125.8	5904.3	4573.0	3086.2	1947.1	1558.3	1335.2	1208.6	1156.8	1069.1
35°	10185.6	9092.1	7919.9	6564.7	5076.6	3422.8	1986.1	1558.3	1323.6	1199.9	1144.0
32.5°	12233.2	11023.0	9720.9	8380.1	6899.1	5239.4	3422.8	1947.1	1482.4	1289.1	1182.6
30°	14496.2	13020.1	11535.6	10047.1	8534.9	6899.1	5076.6	3086.2	1831.1	1390.7	1232.4
27.5°	17263.0	15137.0	13425.2	11708.2	10047.1	8380.1	6564.7	4573.0	2420.4	1640.4	1321.8
25°	20848.5	17853.1	15420.9	13425.2	11535.6	9720.9	7919.9	5904.3	3725.8	1928.6	1405.2
22.5°	25100.4	21325.6	17853.1	15137.0	13020.1	11023.0	9092.1	7125.8	4933.7	2566.3	1626.5
20°	29211.1	25100.4	20848.5	17263.0	14496.2	12233.2	10185.6	8170.3	5975.8	3595.9	1852.4
17.5°	33045.0	28671.6	24092.3	19437.1	16105.3	13473.6	11206.6	9078.6	6916.0	4522.6	2055.3
15°	36622.8	31919.3	27081.1	22143.1	17728.0	14590.0	12114.8	9885.0	7722.2	5312.0	2729.3
12.5°	40198.4	34794.2	29725.9	24516.7	19324.1	15721.7	12981.0	10609.1	8363.0	5971.9	3376.6
10°	43407.5	37402.9	31960.4	26560.4	21153.6	16811.0	13726.1	11212.1	8895.3	6519.1	3912.6
7.5°	46429.4	39656.8	33751.6	28193.8	22609.6	17675.1	14315.4	11688.0	9314.7	6949.5	4333.6
5°	48674.5	41318.5	35064.5	29385.8	23668.4	18301.7	14741.9	12031.7	9617.1	7259.6	4636.6
2.5°	50059.9	42337.9	35866.6	30111.7	24311.6	18681.6	15000.1	12239.6	9799.8	7446.7	4819.3
0°	50528.5	42681.6	36136.4	30355.5	24527.3	18808.9	15086.5	12309.1	9860.9	7509.2	4880.3
-2.5°	50059.9	42337.9	35866.6	30111.7	24311.6	18681.6	15000.1	12239.6	9799.8	7446.7	4819.3
-5°	48674.5	41318.5	35064.5	29385.8	23668.4	18301.7	14741.9	12031.7	9617.1	7259.6	4636.6
-7.5°	46429.4	39656.8	33751.6	28193.8	22609.6	17675.1	14315.4	11688.0	9314.7	6949.5	4333.6
-10°	43407.5	37402.9	31960.4	26560.4	21153.6	16811.0	13726.1	11212.1	8895.3	6519.1	3912.6
-12.5°	40198.4	34794.2	29725.9	24516.7	19324.1	15721.7	12981.0	10609.1	8363.0	5971.9	3376.6
-15°	36622.8	31919.3	27081.1	22143.1	17728.0	14590.0	12114.8	9885.0	7722.2	5312.0	2729.3
-17.5°	33045.0	28671.6	24092.3	19437.1	16105.3	13473.6	11206.6	9078.6	6916.0	4522.6	2055.3
-20°	29211.1	25100.4	20848.5	17263.0	14496.2	12233.2	10185.6	8170.3	5975.8	3595.9	1852.4



REPORT NUMBER: P701425 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	25100.4	21325.6	17853.1	15137.0	13020.1	11023.0	9092.1	7125.8	4933.7	2566.3	1626.5
-25°	20848.5	17853.1	15420.9	13425.2	11535.6	9720.9	7919.9	5904.3	3725.8	1928.6	1405.2
-27.5°	17263.0	15137.0	13425.2	11708.2	10047.1	8380.1	6564.7	4573.0	2420.4	1640.4	1321.8
-30°	14496.2	13020.1	11535.6	10047.1	8534.9	6899.1	5076.6	3086.2	1831.1	1390.7	1232.4
-32.5°	12233.2	11023.0	9720.9	8380.1	6899.1	5239.4	3422.8	1947.1	1482.4	1289.1	1182.6
-35°	10185.6	9092.1	7919.9	6564.7	5076.6	3422.8	1986.1	1558.3	1323.6	1199.9	1144.0
-37.5°	8170.3	7125.8	5904.3	4573.0	3086.2	1947.1	1558.3	1335.2	1208.6	1156.8	1069.1
-40°	5975.8	4933.7	3725.8	2420.4	1831.1	1482.4	1323.6	1208.6	1161.0	1087.8	974.7
-42.5°	3595.9	2566.3	1928.6	1640.4	1390.7	1289.1	1199.9	1156.8	1087.8	983.9	864.6
-45°	1852.4	1626.5	1405.2	1321.8	1232.4	1182.6	1144.0	1069.1	974.7	864.6	747.3
-47.5°	1368.3	1303.3	1232.0	1189.2	1157.1	1112.6	1031.9	946.1	843.5	738.2	641.0
-50°	1200.0	1176.9	1151.5	1114.4	1047.8	976.9	893.5	801.8	710.9	623.0	536.4
-52.5°	1123.8	1076.1	1023.6	966.5	897.1	820.9	740.9	665.9	587.3	513.5	439.9
-55°	961.7	912.2	856.3	795.3	731.6	669.6	603.8	538.6	475.6	409.8	353.5
-57.5°	774.1	730.0	684.9	635.6	582.5	530.9	478.5	423.2	372.9	323.1	273.0
-60°	603.8	566.6	530.9	492.1	450.1	405.7	366.4	324.8	281.1	244.2	206.0
-62.5°	453.6	424.5	395.3	366.4	335.1	301.6	268.7	238.3	206.4	174.0	148.3
-65°	326.3	304.8	281.1	260.0	237.5	213.2	187.4	164.5	143.3	121.0	99.4
-67.5°	221.3	206.0	189.0	172.1	157.4	141.5	124.5	106.5	94.0	83.5	72.6
-70°	139.0	129.1	118.1	106.1	96.9	89.5	81.7	73.3	64.5	57.2	50.5
-72.5°	83.9	79.4	74.4	69.0	63.0	58.1	53.4	48.4	43.1	37.5	32.7
-75°	51.4	48.7	45.8	42.6	39.1	35.3	32.5	30.1	27.6	25.0	22.2
-77.5°	29.4	28.2	26.9	25.4	23.8	22.0	20.2	18.6	17.7	16.7	15.7
-80°	17.3	16.9	16.4	15.9	15.3	14.7	14.1	13.4	12.7	12.0	11.5
-82.5°	11.4	11.2	11.0	10.7	10.4	10.1	9.7	9.4	9.0	8.6	8.2
-85°	7.1	7.0	6.9	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4
-87.5°	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P701425 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-57-80-5S-HEG-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.3	1.1
85°	5.1	4.9	4.6	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.3
82.5°	7.7	7.3	6.9	6.5	6.1	5.7	5.3	4.8	4.4	3.9	3.4
80°	10.9	10.2	9.6	8.9	8.3	7.6	7.0	6.4	5.8	5.2	4.5
77.5°	14.7	13.6	12.5	11.6	10.8	9.9	9.0	8.1	7.2	6.5	5.7
75°	19.3	17.8	16.4	15.0	13.6	12.2	11.1	10.0	8.9	7.7	6.8
72.5°	29.4	25.9	22.2	18.7	17.0	15.3	13.6	11.9	10.6	9.3	8.0
70°	43.5	36.3	31.2	26.9	22.5	18.5	16.5	14.4	12.4	10.8	9.3
67.5°	61.3	53.2	44.7	36.1	30.2	25.2	20.0	17.1	14.7	12.4	10.6
65°	86.7	73.6	60.5	50.9	40.9	32.3	26.5	20.7	17.1	14.4	11.9
62.5°	121.7	97.5	82.5	67.2	54.5	43.4	32.9	26.5	20.0	16.5	13.6
60°	169.1	139.0	107.9	88.0	70.8	55.8	43.4	32.3	25.2	18.5	15.3
57.5°	229.9	185.3	149.4	114.8	89.8	70.8	54.5	40.9	30.2	22.5	17.0
55°	295.4	244.3	194.9	152.9	114.8	88.0	67.2	50.9	36.1	26.9	18.7
52.5°	371.9	307.6	249.2	194.9	149.4	107.9	82.5	60.5	44.7	31.2	22.2
50°	455.1	378.0	307.6	244.3	185.3	139.0	97.5	73.6	53.2	36.3	25.9
47.5°	544.1	455.1	371.9	295.4	229.9	169.1	121.7	86.7	61.3	43.5	29.4
45°	641.0	536.4	439.9	353.5	273.0	206.0	148.3	99.4	72.6	50.5	32.7
42.5°	738.2	623.0	513.5	409.8	323.1	244.2	174.0	121.0	83.5	57.2	37.5
40°	843.5	710.9	587.3	475.6	372.9	281.1	206.4	143.3	94.0	64.5	43.1
37.5°	946.1	801.8	665.9	538.6	423.2	324.8	238.3	164.5	106.5	73.3	48.4
35°	1031.9	893.5	740.9	603.8	478.5	366.4	268.7	187.4	124.5	81.7	53.4
32.5°	1112.6	976.9	820.9	669.6	530.9	405.7	301.6	213.2	141.5	89.5	58.1
30°	1157.1	1047.8	897.1	731.6	582.5	450.1	335.1	237.5	157.4	96.9	63.0
27.5°	1189.2	1114.4	966.5	795.3	635.6	492.1	366.4	260.0	172.1	106.1	69.0
25°	1232.0	1151.5	1023.6	856.3	684.9	530.9	395.3	281.1	189.0	118.1	74.4
22.5°	1303.3	1176.9	1076.1	912.2	730.0	566.6	424.5	304.8	206.0	129.1	79.4
20°	1368.3	1200.0	1123.8	961.7	774.1	603.8	453.6	326.3	221.3	139.0	83.9
17.5°	1447.6	1236.4	1147.0	1000.7	815.4	636.9	479.5	345.4	234.9	147.8	88.0
15°	1612.2	1283.5	1163.7	1034.9	851.6	665.9	502.2	362.0	246.7	155.4	91.4
12.5°	1753.3	1323.9	1178.0	1064.1	882.5	690.6	521.4	376.2	256.8	162.0	94.4
10°	1870.0	1357.2	1189.8	1088.2	907.9	710.9	537.3	387.8	265.2	167.3	96.8
7.5°	1961.5	1383.3	1199.0	1107.0	927.8	726.8	549.7	396.9	271.6	171.5	98.7
5°	2027.3	1402.0	1205.6	1120.5	942.1	738.2	558.6	403.5	276.3	174.5	100.1
2.5°	2067.0	1413.3	1209.6	1128.7	950.6	745.0	563.9	407.4	279.1	176.3	100.9
0°	2080.2	1417.1	1210.9	1131.4	953.5	747.3	565.7	408.7	280.0	176.9	101.2
-2.5°	2067.0	1413.3	1209.6	1128.7	950.6	745.0	563.9	407.4	279.1	176.3	100.9
-5°	2027.3	1402.0	1205.6	1120.5	942.1	738.2	558.6	403.5	276.3	174.5	100.1
-7.5°	1961.5	1383.3	1199.0	1107.0	927.8	726.8	549.7	396.9	271.6	171.5	98.7
-10°	1870.0	1357.2	1189.8	1088.2	907.9	710.9	537.3	387.8	265.2	167.3	96.8
-12.5°	1753.3	1323.9	1178.0	1064.1	882.5	690.6	521.4	376.2	256.8	162.0	94.4
-15°	1612.2	1283.5	1163.7	1034.9	851.6	665.9	502.2	362.0	246.7	155.4	91.4
-17.5°	1447.6	1236.4	1147.0	1000.7	815.4	636.9	479.5	345.4	234.9	147.8	88.0
-20°	1368.3	1200.0	1123.8	961.7	774.1	603.8	453.6	326.3	221.3	139.0	83.9



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1303.3	1176.9	1076.1	912.2	730.0	566.6	424.5	304.8	206.0	129.1	79.4
-25°	1232.0	1151.5	1023.6	856.3	684.9	530.9	395.3	281.1	189.0	118.1	74.4
-27.5°	1189.2	1114.4	966.5	795.3	635.6	492.1	366.4	260.0	172.1	106.1	69.0
-30°	1157.1	1047.8	897.1	731.6	582.5	450.1	335.1	237.5	157.4	96.9	63.0
-32.5°	1112.6	976.9	820.9	669.6	530.9	405.7	301.6	213.2	141.5	89.5	58.1
-35°	1031.9	893.5	740.9	603.8	478.5	366.4	268.7	187.4	124.5	81.7	53.4
-37.5°	946.1	801.8	665.9	538.6	423.2	324.8	238.3	164.5	106.5	73.3	48.4
-40°	843.5	710.9	587.3	475.6	372.9	281.1	206.4	143.3	94.0	64.5	43.1
-42.5°	738.2	623.0	513.5	409.8	323.1	244.2	174.0	121.0	83.5	57.2	37.5
-45°	641.0	536.4	439.9	353.5	273.0	206.0	148.3	99.4	72.6	50.5	32.7
-47.5°	544.1	455.1	371.9	295.4	229.9	169.1	121.7	86.7	61.3	43.5	29.4
-50°	455.1	378.0	307.6	244.3	185.3	139.0	97.5	73.6	53.2	36.3	25.9
-52.5°	371.9	307.6	249.2	194.9	149.4	107.9	82.5	60.5	44.7	31.2	22.2
-55°	295.4	244.3	194.9	152.9	114.8	88.0	67.2	50.9	36.1	26.9	18.7
-57.5°	229.9	185.3	149.4	114.8	89.8	70.8	54.5	40.9	30.2	22.5	17.0
-60°	169.1	139.0	107.9	88.0	70.8	55.8	43.4	32.3	25.2	18.5	15.3
-62.5°	121.7	97.5	82.5	67.2	54.5	43.4	32.9	26.5	20.0	16.5	13.6
-65°	86.7	73.6	60.5	50.9	40.9	32.3	26.5	20.7	17.1	14.4	11.9
-67.5°	61.3	53.2	44.7	36.1	30.2	25.2	20.0	17.1	14.7	12.4	10.6
-70°	43.5	36.3	31.2	26.9	22.5	18.5	16.5	14.4	12.4	10.8	9.3
-72.5°	29.4	25.9	22.2	18.7	17.0	15.3	13.6	11.9	10.6	9.3	8.0
-75°	19.3	17.8	16.4	15.0	13.6	12.2	11.1	10.0	8.9	7.7	6.8
-77.5°	14.7	13.6	12.5	11.6	10.8	9.9	9.0	8.1	7.2	6.5	5.7
-80°	10.9	10.2	9.6	8.9	8.3	7.6	7.0	6.4	5.8	5.2	4.5
-82.5°	7.7	7.3	6.9	6.5	6.1	5.7	5.3	4.8	4.4	3.9	3.4
-85°	5.1	4.9	4.6	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.3
-87.5°	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.3	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
85°	2.0	1.6	1.3	1.0	0.7	0.3	0.0
82.5°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
80°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
77.5°	4.9	4.1	3.3	2.5	1.6	0.8	0.0
75°	5.8	4.9	3.9	2.9	2.0	1.0	0.0
72.5°	6.8	5.7	4.5	3.4	2.3	1.1	0.0
70°	7.7	6.5	5.2	3.9	2.6	1.3	0.0
67.5°	8.9	7.2	5.8	4.4	2.9	1.5	0.0
65°	10.0	8.1	6.4	4.8	3.2	1.6	0.0
62.5°	11.1	9.0	7.0	5.3	3.5	1.8	0.0
60°	12.2	9.9	7.6	5.7	3.8	1.9	0.0
57.5°	13.6	10.8	8.3	6.1	4.1	2.0	0.0
55°	15.0	11.6	8.9	6.5	4.4	2.2	0.0
52.5°	16.4	12.5	9.6	6.9	4.6	2.3	0.0
50°	17.8	13.6	10.2	7.3	4.9	2.4	0.0
47.5°	19.3	14.7	10.9	7.7	5.1	2.6	0.0
45°	22.2	15.7	11.5	8.2	5.4	2.7	0.0
42.5°	25.0	16.7	12.0	8.6	5.6	2.8	0.0
40°	27.6	17.7	12.7	9.0	5.8	2.9	0.0
37.5°	30.1	18.6	13.4	9.4	6.0	3.0	0.0
35°	32.5	20.2	14.1	9.7	6.2	3.1	0.0
32.5°	35.3	22.0	14.7	10.1	6.4	3.2	0.0
30°	39.1	23.8	15.3	10.4	6.6	3.3	0.0
27.5°	42.6	25.4	15.9	10.7	6.7	3.4	0.0
25°	45.8	26.9	16.4	11.0	6.9	3.4	0.0
22.5°	48.7	28.2	16.9	11.2	7.0	3.5	0.0
20°	51.4	29.4	17.3	11.4	7.1	3.6	0.0
17.5°	53.7	30.5	17.7	11.6	7.2	3.6	0.0
15°	55.8	31.5	18.0	11.8	7.3	3.7	0.0
12.5°	57.5	32.3	18.3	12.0	7.4	3.7	0.0
10°	58.9	32.9	18.5	12.1	7.5	3.7	0.0
7.5°	60.1	33.4	18.7	12.2	7.5	3.8	0.0
5°	60.9	33.8	18.8	12.2	7.6	3.8	0.0
2.5°	61.3	34.0	18.9	12.3	7.6	3.8	0.0
0°	61.5	34.1	18.9	12.3	7.6	3.8	0.0
-2.5°	61.3	34.0	18.9	12.3	7.6	3.8	0.0
-5°	60.9	33.8	18.8	12.2	7.6	3.8	0.0
-7.5°	60.1	33.4	18.7	12.2	7.5	3.8	0.0
-10°	58.9	32.9	18.5	12.1	7.5	3.7	0.0
-12.5°	57.5	32.3	18.3	12.0	7.4	3.7	0.0
-15°	55.8	31.5	18.0	11.8	7.3	3.7	0.0
-17.5°	53.7	30.5	17.7	11.6	7.2	3.6	0.0
-20°	51.4	29.4	17.3	11.4	7.1	3.6	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	48.7	28.2	16.9	11.2	7.0	3.5	0.0
-25°	45.8	26.9	16.4	11.0	6.9	3.4	0.0
-27.5°	42.6	25.4	15.9	10.7	6.7	3.4	0.0
-30°	39.1	23.8	15.3	10.4	6.6	3.3	0.0
-32.5°	35.3	22.0	14.7	10.1	6.4	3.2	0.0
-35°	32.5	20.2	14.1	9.7	6.2	3.1	0.0
-37.5°	30.1	18.6	13.4	9.4	6.0	3.0	0.0
-40°	27.6	17.7	12.7	9.0	5.8	2.9	0.0
-42.5°	25.0	16.7	12.0	8.6	5.6	2.8	0.0
-45°	22.2	15.7	11.5	8.2	5.4	2.7	0.0
-47.5°	19.3	14.7	10.9	7.7	5.1	2.6	0.0
-50°	17.8	13.6	10.2	7.3	4.9	2.4	0.0
-52.5°	16.4	12.5	9.6	6.9	4.6	2.3	0.0
-55°	15.0	11.6	8.9	6.5	4.4	2.2	0.0
-57.5°	13.6	10.8	8.3	6.1	4.1	2.0	0.0
-60°	12.2	9.9	7.6	5.7	3.8	1.9	0.0
-62.5°	11.1	9.0	7.0	5.3	3.5	1.8	0.0
-65°	10.0	8.1	6.4	4.8	3.2	1.6	0.0
-67.5°	8.9	7.2	5.8	4.4	2.9	1.5	0.0
-70°	7.7	6.5	5.2	3.9	2.6	1.3	0.0
-72.5°	6.8	5.7	4.5	3.4	2.3	1.1	0.0
-75°	5.8	4.9	3.9	2.9	2.0	1.0	0.0
-77.5°	4.9	4.1	3.3	2.5	1.6	0.8	0.0
-80°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
-82.5°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
-85°	2.0	1.6	1.3	1.0	0.7	0.3	0.0
-87.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(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

