

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P687833 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-08-E-PRO-5700K-LAM**

Issue Date: 5/17/2023



Test Information

Test Method: LM-79-08
Report Number: P687833 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-765-34)
Test Lab: INNOVATION CENTER
Issue Date: 5/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-VN-08-E-PRO-5700K-LAM
Description: EPHEBUS LUMAVISION CCT TUNING FLOOD
3000K AND LAMBERTIAN OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47000.9 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')

Beam Angle (50%): 117.5°H x 111.6°V
Beam Lumens: 38465.7 lumens
Beam Efficiency: 81.8%

Input Watts (W): 378
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

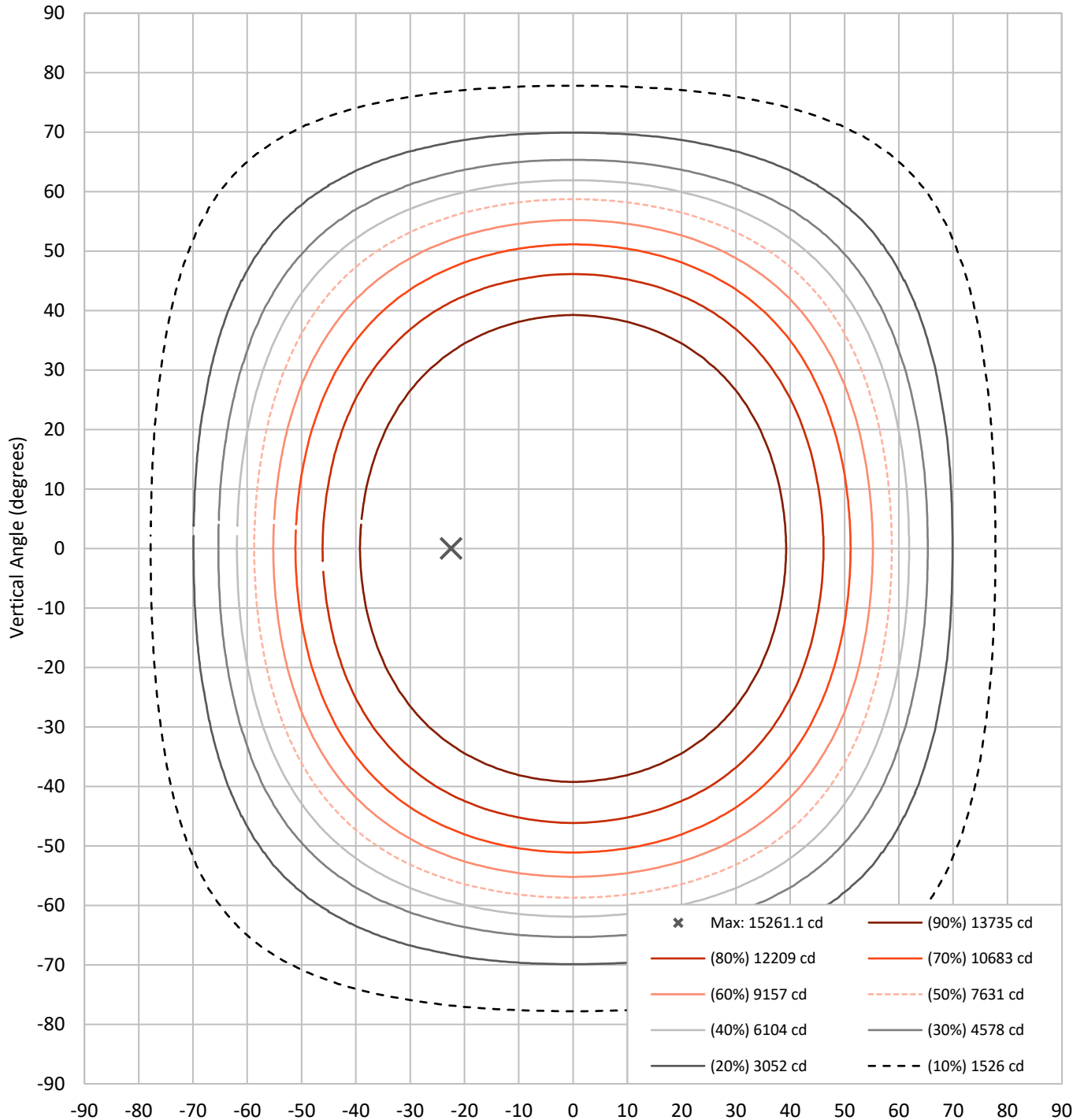
NEMA Type: 7H x 7V
Max Intensity: 15261.1 candela
Max Intensity Angle: -22.5°H x 0°V

Field Angle (10%): 155.5°H x 153.7°V
Field Lumens: 46099.3 lumens
Field Efficiency: 98.1%

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Iso-Candela Plot



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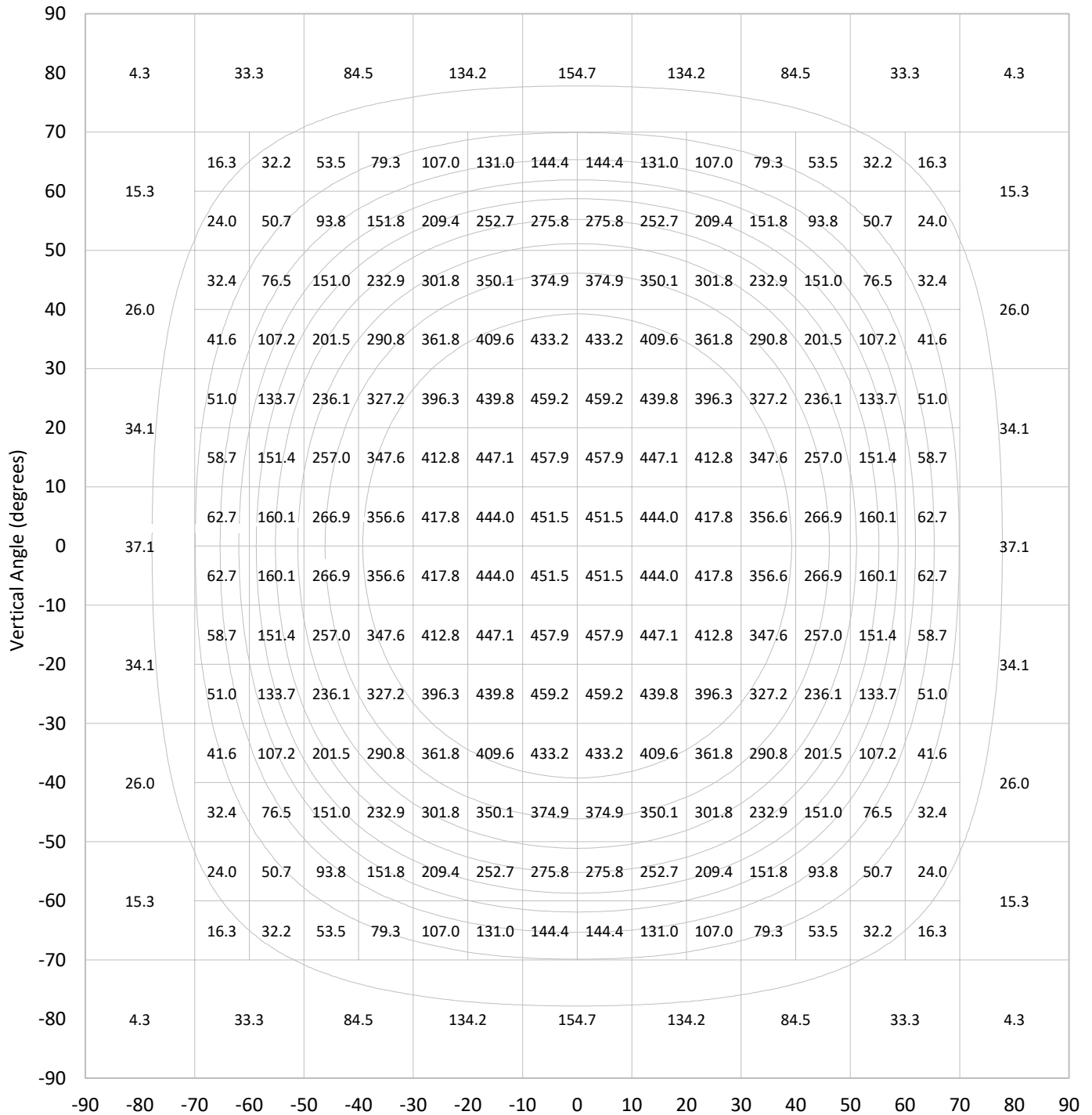
Scaled Data Report



REPORT NUMBER: P687833 (CONVERTED FROM TYPE C PHOTOMETRY)

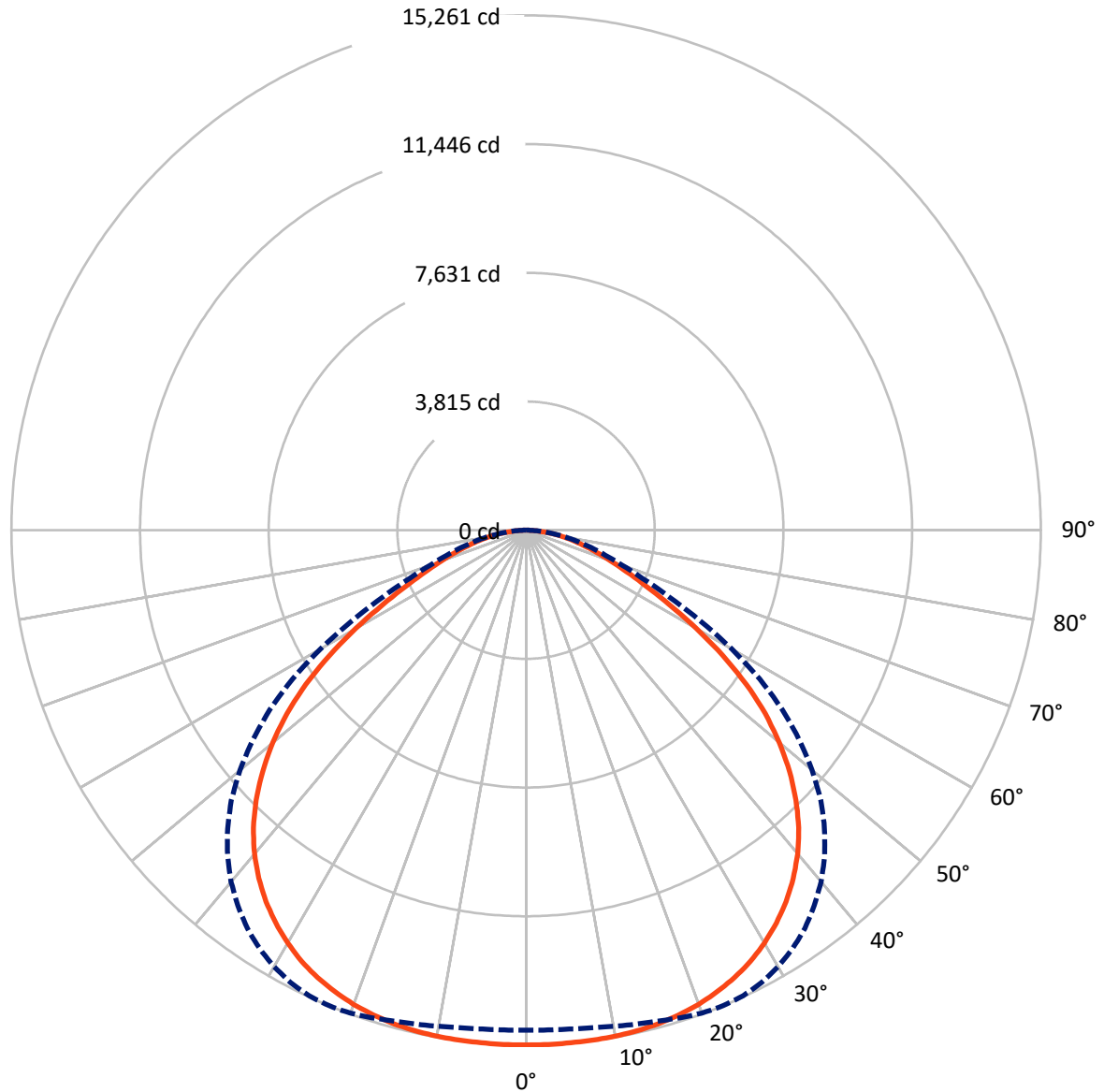
CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-LAM

Lumen Table



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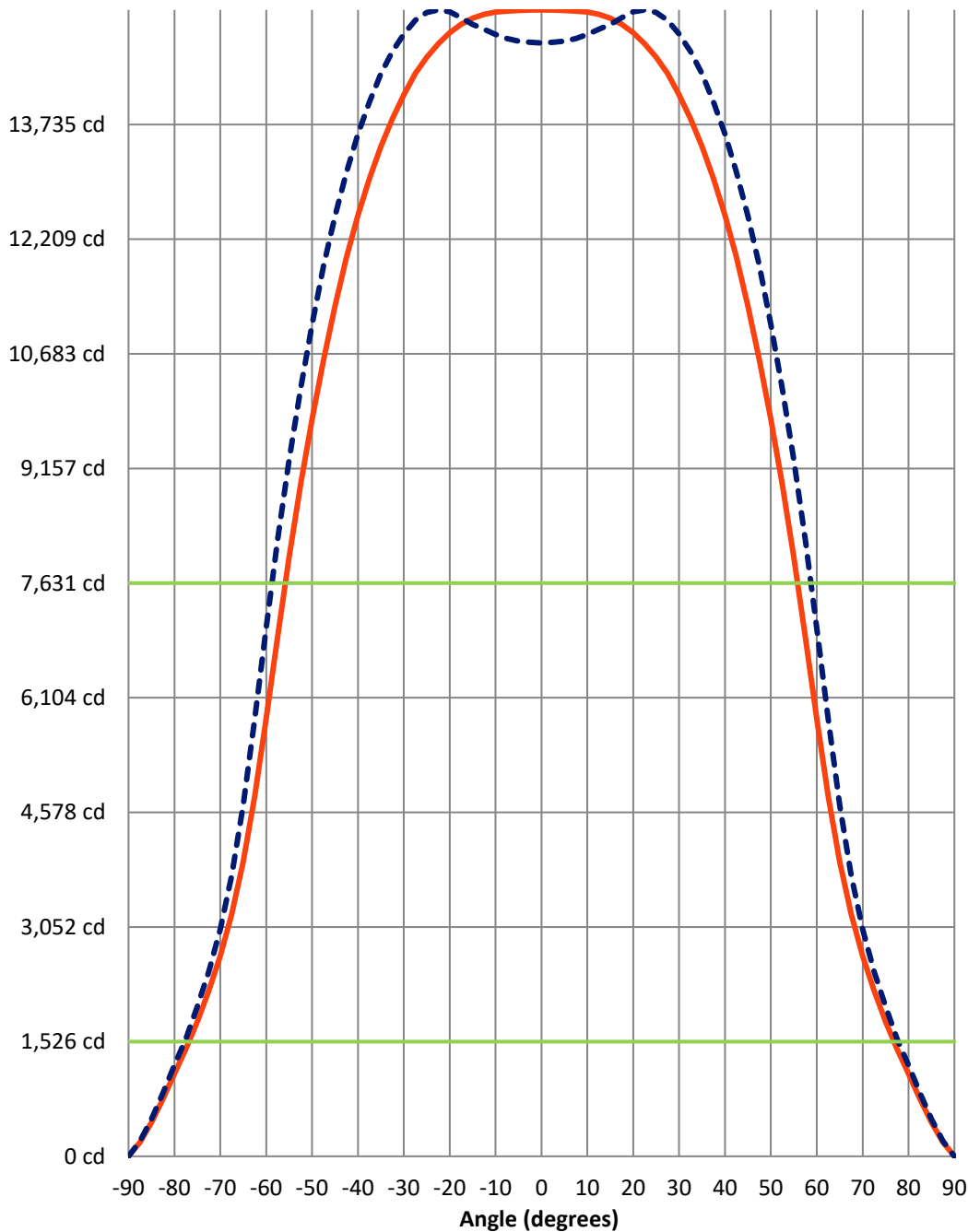
Luminous Intensity Polar Plot



— Vertical Distribution Through -22.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 117.5°
 V Angle: 111.6°
 Lumens: 38465.7
 Efficiency: 81.8%

Field:
 H Angle: 155.5°
 V Angle: 153.7°
 Lumens: 46099.3
 Efficiency: 98.1%

Spill:
 Lumens: 901.5
 Efficiency: 1.9%

— Vertical Distribution through -22.5-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°	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	8.8	17.7	26.5	35.2	43.9	52.5	61.0	69.4	77.6	85.7
85°	0.0	17.7	35.3	52.9	70.4	87.7	104.9	121.9	138.6	155.1	171.3
82.5°	0.0	26.5	52.9	79.2	105.4	131.4	157.1	182.6	209.8	245.3	280.2
80°	0.0	35.2	70.4	105.4	140.2	174.8	211.8	260.5	308.6	355.9	402.4
77.5°	0.0	43.9	87.7	131.4	174.8	224.5	286.0	346.7	406.7	465.7	529.2
75°	0.0	52.5	104.9	157.1	211.8	286.0	359.5	432.2	505.7	589.6	672.1
72.5°	0.0	61.0	121.9	182.6	260.5	346.7	432.2	520.8	619.9	717.6	813.6
70°	0.0	69.4	138.6	209.8	308.6	406.7	505.7	619.9	732.8	844.3	961.6
67.5°	0.0	77.6	155.1	245.3	355.9	465.7	589.6	717.6	844.3	978.0	1109.5
65°	0.0	85.7	171.3	280.2	402.4	529.2	672.1	813.6	961.6	1109.5	1253.0
62.5°	0.0	93.7	187.2	314.4	448.0	596.7	753.0	912.7	1076.8	1237.4	1388.5
60°	0.0	101.4	202.7	347.9	492.6	662.8	832.3	1011.6	1189.6	1357.3	1521.4
57.5°	0.0	109.0	224.4	380.6	543.8	727.3	914.5	1108.2	1295.2	1474.5	1671.3
55°	0.0	116.4	245.6	412.3	594.0	790.1	995.2	1202.3	1397.0	1594.6	1826.9
52.5°	0.0	123.5	266.1	443.1	642.8	851.8	1073.6	1289.4	1495.9	1731.0	1978.4
50°	0.0	130.4	286.0	472.9	690.0	915.0	1149.5	1373.3	1598.1	1863.3	2136.1
47.5°	0.0	137.1	305.1	503.0	735.5	976.0	1222.3	1454.3	1711.8	1991.3	2290.0
45°	0.0	143.4	323.5	535.8	779.3	1034.7	1289.0	1532.3	1821.2	2124.4	2438.5
42.5°	0.0	149.6	341.2	567.2	821.2	1091.0	1353.0	1616.9	1926.3	2252.5	2607.2
40°	0.0	155.4	358.0	597.1	862.6	1144.7	1414.1	1704.5	2029.4	2375.1	2772.9
37.5°	0.0	161.0	373.9	625.6	903.3	1195.7	1472.2	1787.9	2132.7	2498.7	2931.0
35°	0.0	166.2	389.0	652.5	941.8	1242.2	1527.2	1866.8	2230.5	2632.9	3096.5
32.5°	0.0	171.1	403.2	677.7	978.0	1285.2	1582.4	1941.1	2322.7	2759.4	3276.4
30°	0.0	175.7	416.4	701.3	1011.8	1325.3	1641.6	2011.9	2409.0	2877.9	3445.1
27.5°	0.0	180.0	428.7	723.2	1043.2	1362.6	1696.7	2081.6	2495.6	2988.1	3602.1
25°	0.0	183.9	440.0	743.4	1072.1	1396.8	1747.3	2145.9	2585.3	3107.7	3748.9
22.5°	0.0	187.4	450.3	761.7	1098.3	1428.1	1793.5	2204.5	2667.1	3225.8	3921.5
20°	0.0	190.7	459.5	778.2	1122.0	1456.2	1835.1	2257.3	2740.8	3332.3	4077.3
17.5°	0.0	193.5	467.7	792.8	1143.0	1481.2	1872.0	2304.2	2806.4	3427.0	4215.9
15°	0.0	196.0	474.9	805.6	1161.3	1502.9	1904.2	2345.0	2863.5	3509.6	4336.9
12.5°	0.0	198.1	480.9	816.4	1176.9	1521.4	1931.6	2379.8	2912.1	3579.9	4440.0
10°	0.0	199.8	485.9	825.3	1189.6	1536.6	1954.1	2408.4	2952.1	3637.7	4524.7
7.5°	0.0	201.2	489.8	832.3	1199.6	1548.4	1971.6	2430.7	2983.3	3682.8	4590.9
5°	0.0	202.1	492.6	837.2	1206.7	1556.9	1984.1	2446.6	3005.6	3715.1	4638.3
2.5°	0.0	202.7	494.2	840.2	1211.0	1562.0	1991.7	2456.2	3019.0	3734.5	4666.8
0°	0.0	202.9	494.8	841.2	1212.4	1563.7	1994.2	2459.4	3023.5	3741.0	4676.3
-2.5°	0.0	202.7	494.2	840.2	1211.0	1562.0	1991.7	2456.2	3019.0	3734.5	4666.8
-5°	0.0	202.1	492.6	837.2	1206.7	1556.9	1984.1	2446.6	3005.6	3715.1	4638.3
-7.5°	0.0	201.2	489.8	832.3	1199.6	1548.4	1971.6	2430.7	2983.3	3682.8	4590.9
-10°	0.0	199.8	485.9	825.3	1189.6	1536.6	1954.1	2408.4	2952.1	3637.7	4524.7
-12.5°	0.0	198.1	480.9	816.4	1176.9	1521.4	1931.6	2379.8	2912.1	3579.9	4440.0
-15°	0.0	196.0	474.9	805.6	1161.3	1502.9	1904.2	2345.0	2863.5	3509.6	4336.9

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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	187.4	450.3	761.7	1098.3	1428.1	1793.5	2204.5	2667.1	3225.8	3921.5
-25°	0.0	183.9	440.0	743.4	1072.1	1396.8	1747.3	2145.9	2585.3	3107.7	3748.9
-27.5°	0.0	180.0	428.7	723.2	1043.2	1362.6	1696.7	2081.6	2495.6	2988.1	3602.1
-30°	0.0	175.7	416.4	701.3	1011.8	1325.3	1641.6	2011.9	2409.0	2877.9	3445.1
-32.5°	0.0	171.1	403.2	677.7	978.0	1285.2	1582.4	1941.1	2322.7	2759.4	3276.4
-35°	0.0	166.2	389.0	652.5	941.8	1242.2	1527.2	1866.8	2230.5	2632.9	3096.5
-37.5°	0.0	161.0	373.9	625.6	903.3	1195.7	1472.2	1787.9	2132.7	2498.7	2931.0
-40°	0.0	155.4	358.0	597.1	862.6	1144.7	1414.1	1704.5	2029.4	2375.1	2772.9
-42.5°	0.0	149.6	341.2	567.2	821.2	1091.0	1353.0	1616.9	1926.3	2252.5	2607.2
-45°	0.0	143.4	323.5	535.8	779.3	1034.7	1289.0	1532.3	1821.2	2124.4	2438.5
-47.5°	0.0	137.1	305.1	503.0	735.5	976.0	1222.3	1454.3	1711.8	1991.3	2290.0
-50°	0.0	130.4	286.0	472.9	690.0	915.0	1149.5	1373.3	1598.1	1863.3	2136.1
-52.5°	0.0	123.5	266.1	443.1	642.8	851.8	1073.6	1289.4	1495.9	1731.0	1978.4
-55°	0.0	116.4	245.6	412.3	594.0	790.1	995.2	1202.3	1397.0	1594.6	1826.9
-57.5°	0.0	109.0	224.4	380.6	543.8	727.3	914.5	1108.2	1295.2	1474.5	1671.3
-60°	0.0	101.4	202.7	347.9	492.6	662.8	832.3	1011.6	1189.6	1357.3	1521.4
-62.5°	0.0	93.7	187.2	314.4	448.0	596.7	753.0	912.7	1076.8	1237.4	1388.5
-65°	0.0	85.7	171.3	280.2	402.4	529.2	672.1	813.6	961.6	1109.5	1253.0
-67.5°	0.0	77.6	155.1	245.3	355.9	465.7	589.6	717.6	844.3	978.0	1109.5
-70°	0.0	69.4	138.6	209.8	308.6	406.7	505.7	619.9	732.8	844.3	961.6
-72.5°	0.0	61.0	121.9	182.6	260.5	346.7	432.2	520.8	619.9	717.6	813.6
-75°	0.0	52.5	104.9	157.1	211.8	286.0	359.5	432.2	505.7	589.6	672.1
-77.5°	0.0	43.9	87.7	131.4	174.8	224.5	286.0	346.7	406.7	465.7	529.2
-80°	0.0	35.2	70.4	105.4	140.2	174.8	211.8	260.5	308.6	355.9	402.4
-82.5°	0.0	26.5	52.9	79.2	105.4	131.4	157.1	182.6	209.8	245.3	280.2
-85°	0.0	17.7	35.3	52.9	70.4	87.7	104.9	121.9	138.6	155.1	171.3
-87.5°	0.0	8.8	17.7	26.5	35.2	43.9	52.5	61.0	69.4	77.6	85.7
-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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CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-LAM

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°	93.7	101.4	109.0	116.4	123.5	130.4	137.1	143.4	149.6	155.4	161.0
85°	187.2	202.7	224.4	245.6	266.1	286.0	305.1	323.5	341.2	358.0	373.9
82.5°	314.4	347.9	380.6	412.3	443.1	472.9	503.0	535.8	567.2	597.1	625.6
80°	448.0	492.6	543.8	594.0	642.8	690.0	735.5	779.3	821.2	862.6	903.3
77.5°	596.7	662.8	727.3	790.1	851.8	915.0	976.0	1034.7	1091.0	1144.7	1195.7
75°	753.0	832.3	914.5	995.2	1073.6	1149.5	1222.3	1289.0	1353.0	1414.1	1472.2
72.5°	912.7	1011.6	1108.2	1202.3	1289.4	1373.3	1454.3	1532.3	1616.9	1704.5	1787.9
70°	1076.8	1189.6	1295.2	1397.0	1495.9	1598.1	1711.8	1821.2	1926.3	2029.4	2132.7
67.5°	1237.4	1357.3	1474.5	1594.6	1731.0	1863.3	1991.3	2124.4	2252.5	2375.1	2498.7
65°	1388.5	1521.4	1671.3	1826.9	1978.4	2136.1	2290.0	2438.5	2607.2	2772.9	2931.0
62.5°	1537.1	1709.8	1884.8	2060.8	2240.9	2415.8	2612.1	2810.7	3001.7	3228.7	3451.0
60°	1709.8	1904.2	2102.9	2304.2	2509.2	2740.8	2965.4	3225.8	3491.8	3748.9	4066.7
57.5°	1884.8	2102.9	2325.3	2560.9	2818.6	3082.1	3392.1	3692.0	4054.1	4416.3	4781.9
55°	2060.8	2304.2	2560.9	2844.7	3148.8	3492.7	3852.9	4275.0	4684.0	5163.1	5621.9
52.5°	2240.9	2509.2	2818.6	3148.8	3526.3	3941.4	4408.7	4903.4	5439.2	5963.4	6488.2
50°	2415.8	2740.8	3082.1	3492.7	3941.4	4453.5	5013.9	5606.3	6201.8	6788.7	7343.2
47.5°	2612.1	2965.4	3392.1	3852.9	4408.7	5013.9	5662.3	6321.9	6970.8	7581.5	8167.3
45°	2810.7	3225.8	3692.0	4275.0	4903.4	5606.3	6321.9	7031.8	7701.6	8335.6	8897.4
42.5°	3001.7	3491.8	4054.1	4684.0	5439.2	6201.8	6970.8	7701.6	8390.6	9009.1	9570.0
40°	3228.7	3748.9	4416.3	5163.1	5963.4	6788.7	7581.5	8335.6	9009.1	9620.9	10185.9
37.5°	3451.0	4066.7	4781.9	5621.9	6488.2	7343.2	8167.3	8897.4	9570.0	10185.9	10729.6
35°	3662.0	4368.8	5184.8	6073.7	6989.1	7866.6	8676.0	9418.3	10082.4	10681.6	11236.2
32.5°	3897.9	4654.5	5566.2	6513.2	7452.1	8348.5	9156.4	9877.3	10538.5	11146.7	11694.7
30°	4141.7	4977.6	5931.2	6927.1	7887.6	8771.1	9574.2	10303.1	10960.2	11557.8	12089.8
27.5°	4368.8	5283.4	6286.4	7305.9	8286.7	9167.4	9955.3	10674.1	11333.0	11932.2	12441.9
25°	4578.7	5566.2	6615.2	7654.2	8626.9	9507.1	10301.2	11020.3	11672.8	12241.3	12742.1
22.5°	4791.5	5825.4	6916.4	7973.8	8939.6	9809.6	10597.5	11316.6	11966.7	12526.6	13013.4
20°	5003.4	6073.7	7184.7	8258.0	9223.3	10084.6	10867.2	11583.0	12210.5	12758.0	13241.9
17.5°	5192.1	6294.9	7420.9	8490.5	9454.4	10319.7	11105.6	11822.2	12430.0	12966.8	13438.8
15°	5356.8	6488.2	7627.5	8694.1	9652.8	10515.3	11299.8	12005.3	12610.6	13144.8	13612.5
12.5°	5497.2	6653.0	7803.8	8868.0	9822.4	10682.7	11466.1	12158.6	12757.1	13283.6	13738.4
10°	5612.6	6788.7	7949.1	9011.3	9962.3	10820.9	11603.7	12285.5	12878.7	13399.0	13843.2
7.5°	5702.9	6894.8	8062.6	9123.4	10071.9	10929.3	11711.6	12385.2	12974.3	13489.9	13925.9
5°	5767.5	6970.8	8144.1	9203.9	10150.5	11007.1	11789.2	12457.0	13043.2	13555.5	13985.7
2.5°	5806.4	7016.5	8193.1	9252.3	10197.9	11054.0	11836.0	12500.2	13084.7	13595.1	14021.8
0°	5819.4	7031.8	8209.5	9268.5	10213.7	11069.7	11851.6	12514.7	13098.6	13608.3	14033.9
-2.5°	5806.4	7016.5	8193.1	9252.3	10197.9	11054.0	11836.0	12500.2	13084.7	13595.1	14021.8
-5°	5767.5	6970.8	8144.1	9203.9	10150.5	11007.1	11789.2	12457.0	13043.2	13555.5	13985.7
-7.5°	5702.9	6894.8	8062.6	9123.4	10071.9	10929.3	11711.6	12385.2	12974.3	13489.9	13925.9
-10°	5612.6	6788.7	7949.1	9011.3	9962.3	10820.9	11603.7	12285.5	12878.7	13399.0	13843.2
-12.5°	5497.2	6653.0	7803.8	8868.0	9822.4	10682.7	11466.1	12158.6	12757.1	13283.6	13738.4
-15°	5356.8	6488.2	7627.5	8694.1	9652.8	10515.3	11299.8	12005.3	12610.6	13144.8	13612.5



REPORT NUMBER: P687833 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-LAM

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4791.5	5825.4	6916.4	7973.8	8939.6	9809.6	10597.5	11316.6	11966.7	12526.6	13013.4
-25°	4578.7	5566.2	6615.2	7654.2	8626.9	9507.1	10301.2	11020.3	11672.8	12241.3	12742.1
-27.5°	4368.8	5283.4	6286.4	7305.9	8286.7	9167.4	9955.3	10674.1	11333.0	11932.2	12441.9
-30°	4141.7	4977.6	5931.2	6927.1	7887.6	8771.1	9574.2	10303.1	10960.2	11557.8	12089.8
-32.5°	3897.9	4654.5	5566.2	6513.2	7452.1	8348.5	9156.4	9877.3	10538.5	11146.7	11694.7
-35°	3662.0	4368.8	5184.8	6073.7	6989.1	7866.6	8676.0	9418.3	10082.4	10681.6	11236.2
-37.5°	3451.0	4066.7	4781.9	5621.9	6488.2	7343.2	8167.3	8897.4	9570.0	10185.9	10729.6
-40°	3228.7	3748.9	4416.3	5163.1	5963.4	6788.7	7581.5	8335.6	9009.1	9620.9	10185.9
-42.5°	3001.7	3491.8	4054.1	4684.0	5439.2	6201.8	6970.8	7701.6	8390.6	9009.1	9570.0
-45°	2810.7	3225.8	3692.0	4275.0	4903.4	5606.3	6321.9	7031.8	7701.6	8335.6	8897.4
-47.5°	2612.1	2965.4	3392.1	3852.9	4408.7	5013.9	5662.3	6321.9	6970.8	7581.5	8167.3
-50°	2415.8	2740.8	3082.1	3492.7	3941.4	4453.5	5013.9	5606.3	6201.8	6788.7	7343.2
-52.5°	2240.9	2509.2	2818.6	3148.8	3526.3	3941.4	4408.7	4903.4	5439.2	5963.4	6488.2
-55°	2060.8	2304.2	2560.9	2844.7	3148.8	3492.7	3852.9	4275.0	4684.0	5163.1	5621.9
-57.5°	1884.8	2102.9	2325.3	2560.9	2818.6	3082.1	3392.1	3692.0	4054.1	4416.3	4781.9
-60°	1709.8	1904.2	2102.9	2304.2	2509.2	2740.8	2965.4	3225.8	3491.8	3748.9	4066.7
-62.5°	1537.1	1709.8	1884.8	2060.8	2240.9	2415.8	2612.1	2810.7	3001.7	3228.7	3451.0
-65°	1388.5	1521.4	1671.3	1826.9	1978.4	2136.1	2290.0	2438.5	2607.2	2772.9	2931.0
-67.5°	1237.4	1357.3	1474.5	1594.6	1731.0	1863.3	1991.3	2124.4	2252.5	2375.1	2498.7
-70°	1076.8	1189.6	1295.2	1397.0	1495.9	1598.1	1711.8	1821.2	1926.3	2029.4	2132.7
-72.5°	912.7	1011.6	1108.2	1202.3	1289.4	1373.3	1454.3	1532.3	1616.9	1704.5	1787.9
-75°	753.0	832.3	914.5	995.2	1073.6	1149.5	1222.3	1289.0	1353.0	1414.1	1472.2
-77.5°	596.7	662.8	727.3	790.1	851.8	915.0	976.0	1034.7	1091.0	1144.7	1195.7
-80°	448.0	492.6	543.8	594.0	642.8	690.0	735.5	779.3	821.2	862.6	903.3
-82.5°	314.4	347.9	380.6	412.3	443.1	472.9	503.0	535.8	567.2	597.1	625.6
-85°	187.2	202.7	224.4	245.6	266.1	286.0	305.1	323.5	341.2	358.0	373.9
-87.5°	93.7	101.4	109.0	116.4	123.5	130.4	137.1	143.4	149.6	155.4	161.0
-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: P687833 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-LAM

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°	166.2	171.1	175.7	180.0	183.9	187.4	190.7	193.5	196.0	198.1	199.8
85°	389.0	403.2	416.4	428.7	440.0	450.3	459.5	467.7	474.9	480.9	485.9
82.5°	652.5	677.7	701.3	723.2	743.4	761.7	778.2	792.8	805.6	816.4	825.3
80°	941.8	978.0	1011.8	1043.2	1072.1	1098.3	1122.0	1143.0	1161.3	1176.9	1189.6
77.5°	1242.2	1285.2	1325.3	1362.6	1396.8	1428.1	1456.2	1481.2	1502.9	1521.4	1536.6
75°	1527.2	1582.4	1641.6	1696.7	1747.3	1793.5	1835.1	1872.0	1904.2	1931.6	1954.1
72.5°	1866.8	1941.1	2011.9	2081.6	2145.9	2204.5	2257.3	2304.2	2345.0	2379.8	2408.4
70°	2230.5	2322.7	2409.0	2495.6	2585.3	2667.1	2740.8	2806.4	2863.5	2912.1	2952.1
67.5°	2632.9	2759.4	2877.9	2988.1	3107.7	3225.8	3332.3	3427.0	3509.6	3579.9	3637.7
65°	3096.5	3276.4	3445.1	3602.1	3748.9	3921.5	4077.3	4215.9	4336.9	4440.0	4524.7
62.5°	3662.0	3897.9	4141.7	4368.8	4578.7	4791.5	5003.4	5192.1	5356.8	5497.2	5612.6
60°	4368.8	4654.5	4977.6	5283.4	5566.2	5825.4	6073.7	6294.9	6488.2	6653.0	6788.7
57.5°	5184.8	5566.2	5931.2	6286.4	6615.2	6916.4	7184.7	7420.9	7627.5	7803.8	7949.1
55°	6073.7	6513.2	6927.1	7305.9	7654.2	7973.8	8258.0	8490.5	8694.1	8868.0	9011.3
52.5°	6989.1	7452.1	7887.6	8286.7	8626.9	8939.6	9223.3	9454.4	9652.8	9822.4	9962.3
50°	7866.6	8348.5	8771.1	9167.4	9507.1	9809.6	10084.6	10319.7	10515.3	10682.7	10820.9
47.5°	8676.0	9156.4	9574.2	9955.3	10301.2	10597.5	10867.2	11105.6	11299.8	11466.1	11603.7
45°	9418.3	9877.3	10303.1	10674.1	11020.3	11316.6	11583.0	11822.2	12005.3	12158.6	12285.5
42.5°	10082.4	10538.5	10960.2	11333.0	11672.8	11966.7	12210.5	12430.0	12610.6	12757.1	12878.7
40°	10681.6	11146.7	11557.8	11932.2	12241.3	12526.6	12758.0	12966.8	13144.8	13283.6	13399.0
37.5°	11236.2	11694.7	12089.8	12441.9	12742.1	13013.4	13241.9	13438.8	13612.5	13738.4	13843.2
35°	11740.6	12169.5	12558.3	12888.8	13187.6	13441.7	13664.7	13842.2	14000.1	14124.9	14225.8
32.5°	12169.5	12594.5	12963.1	13287.4	13578.0	13810.3	14020.7	14191.6	14342.8	14460.7	14547.5
30°	12558.3	12963.1	13320.9	13640.7	13899.4	14130.2	14330.1	14491.3	14620.7	14727.8	14802.2
27.5°	12888.8	13287.4	13640.7	13929.4	14185.0	14414.0	14583.6	14732.4	14842.5	14939.0	15003.3
25°	13187.6	13578.0	13899.4	14185.0	14436.7	14630.7	14789.8	14921.7	15019.6	15102.7	15151.4
22.5°	13441.7	13810.3	14130.2	14414.0	14630.7	14809.2	14957.4	15069.6	15150.6	15202.4	15233.2
20°	13664.7	14020.7	14330.1	14583.6	14789.8	14957.4	15086.5	15170.9	15229.1	15248.0	15258.8
17.5°	13842.2	14191.6	14491.3	14732.4	14921.7	15069.6	15170.9	15232.7	15255.6	15250.1	15237.2
15°	14000.1	14342.8	14620.7	14842.5	15019.6	15150.6	15229.1	15255.6	15247.2	15218.4	15171.9
12.5°	14124.9	14460.7	14727.8	14939.0	15102.7	15202.4	15248.0	15250.1	15218.4	15160.6	15102.2
10°	14225.8	14547.5	14802.2	15003.3	15151.4	15233.2	15258.8	15237.2	15171.9	15102.2	15045.1
7.5°	14305.6	14616.5	14861.4	15054.6	15183.6	15245.1	15249.3	15204.5	15129.8	15056.4	15003.2
5°	14363.3	14666.4	14904.5	15092.0	15207.2	15253.9	15242.2	15178.7	15096.4	15028.2	14966.9
2.5°	14398.3	14696.7	14930.6	15114.8	15221.6	15259.3	15237.9	15162.7	15075.3	15010.1	14942.9
0°	14410.0	14706.9	14939.4	15122.5	15226.5	15261.1	15236.4	15157.2	15068.1	15003.8	14934.5
-2.5°	14398.3	14696.7	14930.6	15114.8	15221.6	15259.3	15237.9	15162.7	15075.3	15010.1	14942.9
-5°	14363.3	14666.4	14904.5	15092.0	15207.2	15253.9	15242.2	15178.7	15096.4	15028.2	14966.9
-7.5°	14305.6	14616.5	14861.4	15054.6	15183.6	15245.1	15249.3	15204.5	15129.8	15056.4	15003.2
-10°	14225.8	14547.5	14802.2	15003.3	15151.4	15233.2	15258.8	15237.2	15171.9	15102.2	15045.1
-12.5°	14124.9	14460.7	14727.8	14939.0	15102.7	15202.4	15248.0	15250.1	15218.4	15160.6	15102.2
-15°	14000.1	14342.8	14620.7	14842.5	15019.6	15150.6	15229.1	15255.6	15247.2	15218.4	15171.9



REPORT NUMBER: P687833 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-LAM

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	13441.7	13810.3	14130.2	14414.0	14630.7	14809.2	14957.4	15069.6	15150.6	15202.4	15233.2
-25°	13187.6	13578.0	13899.4	14185.0	14436.7	14630.7	14789.8	14921.7	15019.6	15102.7	15151.4
-27.5°	12888.8	13287.4	13640.7	13929.4	14185.0	14414.0	14583.6	14732.4	14842.5	14939.0	15003.3
-30°	12558.3	12963.1	13320.9	13640.7	13899.4	14130.2	14330.1	14491.3	14620.7	14727.8	14802.2
-32.5°	12169.5	12594.5	12963.1	13287.4	13578.0	13810.3	14020.7	14191.6	14342.8	14460.7	14547.5
-35°	11740.6	12169.5	12558.3	12888.8	13187.6	13441.7	13664.7	13842.2	14000.1	14124.9	14225.8
-37.5°	11236.2	11694.7	12089.8	12441.9	12742.1	13013.4	13241.9	13438.8	13612.5	13738.4	13843.2
-40°	10681.6	11146.7	11557.8	11932.2	12241.3	12526.6	12758.0	12966.8	13144.8	13283.6	13399.0
-42.5°	10082.4	10538.5	10960.2	11333.0	11672.8	11966.7	12210.5	12430.0	12610.6	12757.1	12878.7
-45°	9418.3	9877.3	10303.1	10674.1	11020.3	11316.6	11583.0	11822.2	12005.3	12158.6	12285.5
-47.5°	8676.0	9156.4	9574.2	9955.3	10301.2	10597.5	10867.2	11105.6	11299.8	11466.1	11603.7
-50°	7866.6	8348.5	8771.1	9167.4	9507.1	9809.6	10084.6	10319.7	10515.3	10682.7	10820.9
-52.5°	6989.1	7452.1	7887.6	8286.7	8626.9	8939.6	9223.3	9454.4	9652.8	9822.4	9962.3
-55°	6073.7	6513.2	6927.1	7305.9	7654.2	7973.8	8258.0	8490.5	8694.1	8868.0	9011.3
-57.5°	5184.8	5566.2	5931.2	6286.4	6615.2	6916.4	7184.7	7420.9	7627.5	7803.8	7949.1
-60°	4368.8	4654.5	4977.6	5283.4	5566.2	5825.4	6073.7	6294.9	6488.2	6653.0	6788.7
-62.5°	3662.0	3897.9	4141.7	4368.8	4578.7	4791.5	5003.4	5192.1	5356.8	5497.2	5612.6
-65°	3096.5	3276.4	3445.1	3602.1	3748.9	3921.5	4077.3	4215.9	4336.9	4440.0	4524.7
-67.5°	2632.9	2759.4	2877.9	2988.1	3107.7	3225.8	3332.3	3427.0	3509.6	3579.9	3637.7
-70°	2230.5	2322.7	2409.0	2495.6	2585.3	2667.1	2740.8	2806.4	2863.5	2912.1	2952.1
-72.5°	1866.8	1941.1	2011.9	2081.6	2145.9	2204.5	2257.3	2304.2	2345.0	2379.8	2408.4
-75°	1527.2	1582.4	1641.6	1696.7	1747.3	1793.5	1835.1	1872.0	1904.2	1931.6	1954.1
-77.5°	1242.2	1285.2	1325.3	1362.6	1396.8	1428.1	1456.2	1481.2	1502.9	1521.4	1536.6
-80°	941.8	978.0	1011.8	1043.2	1072.1	1098.3	1122.0	1143.0	1161.3	1176.9	1189.6
-82.5°	652.5	677.7	701.3	723.2	743.4	761.7	778.2	792.8	805.6	816.4	825.3
-85°	389.0	403.2	416.4	428.7	440.0	450.3	459.5	467.7	474.9	480.9	485.9
-87.5°	166.2	171.1	175.7	180.0	183.9	187.4	190.7	193.5	196.0	198.1	199.8
-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: P687833 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-LAM

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°	201.2	202.1	202.7	202.9	202.7	202.1	201.2	199.8	198.1	196.0	193.5
85°	489.8	492.6	494.2	494.8	494.2	492.6	489.8	485.9	480.9	474.9	467.7
82.5°	832.3	837.2	840.2	841.2	840.2	837.2	832.3	825.3	816.4	805.6	792.8
80°	1199.6	1206.7	1211.0	1212.4	1211.0	1206.7	1199.6	1189.6	1176.9	1161.3	1143.0
77.5°	1548.4	1556.9	1562.0	1563.7	1562.0	1556.9	1548.4	1536.6	1521.4	1502.9	1481.2
75°	1971.6	1984.1	1991.7	1994.2	1991.7	1984.1	1971.6	1954.1	1931.6	1904.2	1872.0
72.5°	2430.7	2446.6	2456.2	2459.4	2456.2	2446.6	2430.7	2408.4	2379.8	2345.0	2304.2
70°	2983.3	3005.6	3019.0	3023.5	3019.0	3005.6	2983.3	2952.1	2912.1	2863.5	2806.4
67.5°	3682.8	3715.1	3734.5	3741.0	3734.5	3715.1	3682.8	3637.7	3579.9	3509.6	3427.0
65°	4590.9	4638.3	4666.8	4676.3	4666.8	4638.3	4590.9	4524.7	4440.0	4336.9	4215.9
62.5°	5702.9	5767.5	5806.4	5819.4	5806.4	5767.5	5702.9	5612.6	5497.2	5356.8	5192.1
60°	6894.8	6970.8	7016.5	7031.8	7016.5	6970.8	6894.8	6788.7	6653.0	6488.2	6294.9
57.5°	8062.6	8144.1	8193.1	8209.5	8193.1	8144.1	8062.6	7949.1	7803.8	7627.5	7420.9
55°	9123.4	9203.9	9252.3	9268.5	9252.3	9203.9	9123.4	9011.3	8868.0	8694.1	8490.5
52.5°	10071.9	10150.5	10197.9	10213.7	10197.9	10150.5	10071.9	9962.3	9822.4	9652.8	9454.4
50°	10929.3	11007.1	11054.0	11069.7	11054.0	11007.1	10929.3	10820.9	10682.7	10515.3	10319.7
47.5°	11711.6	11789.2	11836.0	11851.6	11836.0	11789.2	11711.6	11603.7	11466.1	11299.8	11105.6
45°	12385.2	12457.0	12500.2	12514.7	12500.2	12457.0	12385.2	12285.5	12158.6	12005.3	11822.2
42.5°	12974.3	13043.2	13084.7	13098.6	13084.7	13043.2	12974.3	12878.7	12757.1	12610.6	12430.0
40°	13489.9	13555.5	13595.1	13608.3	13595.1	13555.5	13489.9	13399.0	13283.6	13144.8	12966.8
37.5°	13925.9	13985.7	14021.8	14033.9	14021.8	13985.7	13925.9	13843.2	13738.4	13612.5	13438.8
35°	14305.6	14363.3	14398.3	14410.0	14398.3	14363.3	14305.6	14225.8	14124.9	14000.1	13842.2
32.5°	14616.5	14666.4	14696.7	14706.9	14696.7	14666.4	14616.5	14547.5	14460.7	14342.8	14191.6
30°	14861.4	14904.5	14930.6	14939.4	14930.6	14904.5	14861.4	14802.2	14727.8	14620.7	14491.3
27.5°	15054.6	15092.0	15114.8	15122.5	15114.8	15092.0	15054.6	15003.3	14939.0	14842.5	14732.4
25°	15183.6	15207.2	15221.6	15226.5	15221.6	15207.2	15183.6	15151.4	15102.7	15019.6	14921.7
22.5°	15245.1	15253.9	15259.3	15261.1	15259.3	15253.9	15245.1	15233.2	15202.4	15150.6	15069.6
20°	15249.3	15242.2	15237.9	15236.4	15237.9	15242.2	15249.3	15258.8	15248.0	15229.1	15170.9
17.5°	15204.5	15178.7	15162.7	15157.2	15162.7	15178.7	15204.5	15237.2	15250.1	15255.6	15232.7
15°	15129.8	15096.4	15075.3	15068.1	15075.3	15096.4	15129.8	15171.9	15218.4	15247.2	15255.6
12.5°	15056.4	15028.2	15010.1	15003.8	15010.1	15028.2	15056.4	15102.2	15160.6	15218.4	15250.1
10°	15003.2	14966.9	14942.9	14934.5	14942.9	14966.9	15003.2	15045.1	15102.2	15171.9	15237.2
7.5°	14950.9	14912.9	14888.9	14880.1	14888.9	14912.9	14950.9	15003.2	15056.4	15129.8	15204.5
5°	14912.9	14874.1	14853.6	14845.4	14853.6	14874.1	14912.9	14966.9	15028.2	15096.4	15178.7
2.5°	14888.9	14853.6	14836.7	14830.6	14836.7	14853.6	14888.9	14942.9	15010.1	15075.3	15162.7
0°	14880.1	14845.4	14830.6	14820.7	14830.6	14845.4	14880.1	14934.5	15003.8	15068.1	15157.2
-2.5°	14888.9	14853.6	14836.7	14830.6	14836.7	14853.6	14888.9	14942.9	15010.1	15075.3	15162.7
-5°	14912.9	14874.1	14853.6	14845.4	14853.6	14874.1	14912.9	14966.9	15028.2	15096.4	15178.7
-7.5°	14950.9	14912.9	14888.9	14880.1	14888.9	14912.9	14950.9	15003.2	15056.4	15129.8	15204.5
-10°	15003.2	14966.9	14942.9	14934.5	14942.9	14966.9	15003.2	15045.1	15102.2	15171.9	15237.2
-12.5°	15056.4	15028.2	15010.1	15003.8	15010.1	15028.2	15056.4	15102.2	15160.6	15218.4	15250.1
-15°	15129.8	15096.4	15075.3	15068.1	15075.3	15096.4	15129.8	15171.9	15218.4	15247.2	15255.6



REPORT NUMBER: P687833 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-LAM

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	15245.1	15253.9	15259.3	15261.1	15259.3	15253.9	15245.1	15233.2	15202.4	15150.6	15069.6
-25°	15183.6	15207.2	15221.6	15226.5	15221.6	15207.2	15183.6	15151.4	15102.7	15019.6	14921.7
-27.5°	15054.6	15092.0	15114.8	15122.5	15114.8	15092.0	15054.6	15003.3	14939.0	14842.5	14732.4
-30°	14861.4	14904.5	14930.6	14939.4	14930.6	14904.5	14861.4	14802.2	14727.8	14620.7	14491.3
-32.5°	14616.5	14666.4	14696.7	14706.9	14696.7	14666.4	14616.5	14547.5	14460.7	14342.8	14191.6
-35°	14305.6	14363.3	14398.3	14410.0	14398.3	14363.3	14305.6	14225.8	14124.9	14000.1	13842.2
-37.5°	13925.9	13985.7	14021.8	14033.9	14021.8	13985.7	13925.9	13843.2	13738.4	13612.5	13438.8
-40°	13489.9	13555.5	13595.1	13608.3	13595.1	13555.5	13489.9	13399.0	13283.6	13144.8	12966.8
-42.5°	12974.3	13043.2	13084.7	13098.6	13084.7	13043.2	12974.3	12878.7	12757.1	12610.6	12430.0
-45°	12385.2	12457.0	12500.2	12514.7	12500.2	12457.0	12385.2	12285.5	12158.6	12005.3	11822.2
-47.5°	11711.6	11789.2	11836.0	11851.6	11836.0	11789.2	11711.6	11603.7	11466.1	11299.8	11105.6
-50°	10929.3	11007.1	11054.0	11069.7	11054.0	11007.1	10929.3	10820.9	10682.7	10515.3	10319.7
-52.5°	10071.9	10150.5	10197.9	10213.7	10197.9	10150.5	10071.9	9962.3	9822.4	9652.8	9454.4
-55°	9123.4	9203.9	9252.3	9268.5	9252.3	9203.9	9123.4	9011.3	8868.0	8694.1	8490.5
-57.5°	8062.6	8144.1	8193.1	8209.5	8193.1	8144.1	8062.6	7949.1	7803.8	7627.5	7420.9
-60°	6894.8	6970.8	7016.5	7031.8	7016.5	6970.8	6894.8	6788.7	6653.0	6488.2	6294.9
-62.5°	5702.9	5767.5	5806.4	5819.4	5806.4	5767.5	5702.9	5612.6	5497.2	5356.8	5192.1
-65°	4590.9	4638.3	4666.8	4676.3	4666.8	4638.3	4590.9	4524.7	4440.0	4336.9	4215.9
-67.5°	3682.8	3715.1	3734.5	3741.0	3734.5	3715.1	3682.8	3637.7	3579.9	3509.6	3427.0
-70°	2983.3	3005.6	3019.0	3023.5	3019.0	3005.6	2983.3	2952.1	2912.1	2863.5	2806.4
-72.5°	2430.7	2446.6	2456.2	2459.4	2456.2	2446.6	2430.7	2408.4	2379.8	2345.0	2304.2
-75°	1971.6	1984.1	1991.7	1994.2	1991.7	1984.1	1971.6	1954.1	1931.6	1904.2	1872.0
-77.5°	1548.4	1556.9	1562.0	1563.7	1562.0	1556.9	1548.4	1536.6	1521.4	1502.9	1481.2
-80°	1199.6	1206.7	1211.0	1212.4	1211.0	1206.7	1199.6	1189.6	1176.9	1161.3	1143.0
-82.5°	832.3	837.2	840.2	841.2	840.2	837.2	832.3	825.3	816.4	805.6	792.8
-85°	489.8	492.6	494.2	494.8	494.2	492.6	489.8	485.9	480.9	474.9	467.7
-87.5°	201.2	202.1	202.7	202.9	202.7	202.1	201.2	199.8	198.1	196.0	193.5
-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: P687833 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-LAM

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°	190.7	187.4	183.9	180.0	175.7	171.1	166.2	161.0	155.4	149.6	143.4
85°	459.5	450.3	440.0	428.7	416.4	403.2	389.0	373.9	358.0	341.2	323.5
82.5°	778.2	761.7	743.4	723.2	701.3	677.7	652.5	625.6	597.1	567.2	535.8
80°	1122.0	1098.3	1072.1	1043.2	1011.8	978.0	941.8	903.3	862.6	821.2	779.3
77.5°	1456.2	1428.1	1396.8	1362.6	1325.3	1285.2	1242.2	1195.7	1144.7	1091.0	1034.7
75°	1835.1	1793.5	1747.3	1696.7	1641.6	1582.4	1527.2	1472.2	1414.1	1353.0	1289.0
72.5°	2257.3	2204.5	2145.9	2081.6	2011.9	1941.1	1866.8	1787.9	1704.5	1616.9	1532.3
70°	2740.8	2667.1	2585.3	2495.6	2409.0	2322.7	2230.5	2132.7	2029.4	1926.3	1821.2
67.5°	3332.3	3225.8	3107.7	2988.1	2877.9	2759.4	2632.9	2498.7	2375.1	2252.5	2124.4
65°	4077.3	3921.5	3748.9	3602.1	3445.1	3276.4	3096.5	2931.0	2772.9	2607.2	2438.5
62.5°	5003.4	4791.5	4578.7	4368.8	4141.7	3897.9	3662.0	3451.0	3228.7	3001.7	2810.7
60°	6073.7	5825.4	5566.2	5283.4	4977.6	4654.5	4368.8	4066.7	3748.9	3491.8	3225.8
57.5°	7184.7	6916.4	6615.2	6286.4	5931.2	5566.2	5184.8	4781.9	4416.3	4054.1	3692.0
55°	8258.0	7973.8	7654.2	7305.9	6927.1	6513.2	6073.7	5621.9	5163.1	4684.0	4275.0
52.5°	9223.3	8939.6	8626.9	8286.7	7887.6	7452.1	6989.1	6488.2	5963.4	5439.2	4903.4
50°	10084.6	9809.6	9507.1	9167.4	8771.1	8348.5	7866.6	7343.2	6788.7	6201.8	5606.3
47.5°	10867.2	10597.5	10301.2	9955.3	9574.2	9156.4	8676.0	8167.3	7581.5	6970.8	6321.9
45°	11583.0	11316.6	11020.3	10674.1	10303.1	9877.3	9418.3	8897.4	8335.6	7701.6	7031.8
42.5°	12210.5	11966.7	11672.8	11333.0	10960.2	10538.5	10082.4	9570.0	9009.1	8390.6	7701.6
40°	12758.0	12526.6	12241.3	11932.2	11557.8	11146.7	10681.6	10185.9	9620.9	9009.1	8335.6
37.5°	13241.9	13013.4	12742.1	12441.9	12089.8	11694.7	11236.2	10729.6	10185.9	9570.0	8897.4
35°	13664.7	13441.7	13187.6	12888.8	12558.3	12169.5	11740.6	11236.2	10681.6	10082.4	9418.3
32.5°	14020.7	13810.3	13578.0	13287.4	12963.1	12594.5	12169.5	11694.7	11146.7	10538.5	9877.3
30°	14330.1	14130.2	13899.4	13640.7	13320.9	12963.1	12558.3	12089.8	11557.8	10960.2	10303.1
27.5°	14583.6	14414.0	14185.0	13929.4	13640.7	13287.4	12888.8	12441.9	11932.2	11333.0	10674.1
25°	14789.8	14630.7	14436.7	14185.0	13899.4	13578.0	13187.6	12742.1	12241.3	11672.8	11020.3
22.5°	14957.4	14809.2	14630.7	14414.0	14130.2	13810.3	13441.7	13013.4	12526.6	11966.7	11316.6
20°	15086.5	14957.4	14789.8	14583.6	14330.1	14020.7	13664.7	13241.9	12758.0	12210.5	11583.0
17.5°	15170.9	15069.6	14921.7	14732.4	14491.3	14191.6	13842.2	13438.8	12966.8	12430.0	11822.2
15°	15229.1	15150.6	15019.6	14842.5	14620.7	14342.8	14000.1	13612.5	13144.8	12610.6	12005.3
12.5°	15248.0	15202.4	15102.7	14939.0	14727.8	14460.7	14124.9	13738.4	13283.6	12757.1	12158.6
10°	15258.8	15233.2	15151.4	15003.3	14802.2	14547.5	14225.8	13843.2	13399.0	12878.7	12285.5
7.5°	15249.3	15245.1	15183.6	15054.6	14861.4	14616.5	14305.6	13925.9	13489.9	12974.3	12385.2
5°	15242.2	15253.9	15207.2	15092.0	14904.5	14666.4	14363.3	13985.7	13555.5	13043.2	12457.0
2.5°	15237.9	15259.3	15221.6	15114.8	14930.6	14696.7	14398.3	14021.8	13595.1	13084.7	12500.2
0°	15236.4	15261.1	15226.5	15122.5	14939.4	14706.9	14410.0	14033.9	13608.3	13098.6	12514.7
-2.5°	15237.9	15259.3	15221.6	15114.8	14930.6	14696.7	14398.3	14021.8	13595.1	13084.7	12500.2
-5°	15242.2	15253.9	15207.2	15092.0	14904.5	14666.4	14363.3	13985.7	13555.5	13043.2	12457.0
-7.5°	15249.3	15245.1	15183.6	15054.6	14861.4	14616.5	14305.6	13925.9	13489.9	12974.3	12385.2
-10°	15258.8	15233.2	15151.4	15003.3	14802.2	14547.5	14225.8	13843.2	13399.0	12878.7	12285.5
-12.5°	15248.0	15202.4	15102.7	14939.0	14727.8	14460.7	14124.9	13738.4	13283.6	12757.1	12158.6
-15°	15229.1	15150.6	15019.6	14842.5	14620.7	14342.8	14000.1	13612.5	13144.8	12610.6	12005.3



REPORT NUMBER: P687833 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-LAM

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	14957.4	14809.2	14630.7	14414.0	14130.2	13810.3	13441.7	13013.4	12526.6	11966.7	11316.6
-25°	14789.8	14630.7	14436.7	14185.0	13899.4	13578.0	13187.6	12742.1	12241.3	11672.8	11020.3
-27.5°	14583.6	14414.0	14185.0	13929.4	13640.7	13287.4	12888.8	12441.9	11932.2	11333.0	10674.1
-30°	14330.1	14130.2	13899.4	13640.7	13320.9	12963.1	12558.3	12089.8	11557.8	10960.2	10303.1
-32.5°	14020.7	13810.3	13578.0	13287.4	12963.1	12594.5	12169.5	11694.7	11146.7	10538.5	9877.3
-35°	13664.7	13441.7	13187.6	12888.8	12558.3	12169.5	11740.6	11236.2	10681.6	10082.4	9418.3
-37.5°	13241.9	13013.4	12742.1	12441.9	12089.8	11694.7	11236.2	10729.6	10185.9	9570.0	8897.4
-40°	12758.0	12526.6	12241.3	11932.2	11557.8	11146.7	10681.6	10185.9	9620.9	9009.1	8335.6
-42.5°	12210.5	11966.7	11672.8	11333.0	10960.2	10538.5	10082.4	9570.0	9009.1	8390.6	7701.6
-45°	11583.0	11316.6	11020.3	10674.1	10303.1	9877.3	9418.3	8897.4	8335.6	7701.6	7031.8
-47.5°	10867.2	10597.5	10301.2	9955.3	9574.2	9156.4	8676.0	8167.3	7581.5	6970.8	6321.9
-50°	10084.6	9809.6	9507.1	9167.4	8771.1	8348.5	7866.6	7343.2	6788.7	6201.8	5606.3
-52.5°	9223.3	8939.6	8626.9	8286.7	7887.6	7452.1	6989.1	6488.2	5963.4	5439.2	4903.4
-55°	8258.0	7973.8	7654.2	7305.9	6927.1	6513.2	6073.7	5621.9	5163.1	4684.0	4275.0
-57.5°	7184.7	6916.4	6615.2	6286.4	5931.2	5566.2	5184.8	4781.9	4416.3	4054.1	3692.0
-60°	6073.7	5825.4	5566.2	5283.4	4977.6	4654.5	4368.8	4066.7	3748.9	3491.8	3225.8
-62.5°	5003.4	4791.5	4578.7	4368.8	4141.7	3897.9	3662.0	3451.0	3228.7	3001.7	2810.7
-65°	4077.3	3921.5	3748.9	3602.1	3445.1	3276.4	3096.5	2931.0	2772.9	2607.2	2438.5
-67.5°	3332.3	3225.8	3107.7	2988.1	2877.9	2759.4	2632.9	2498.7	2375.1	2252.5	2124.4
-70°	2740.8	2667.1	2585.3	2495.6	2409.0	2322.7	2230.5	2132.7	2029.4	1926.3	1821.2
-72.5°	2257.3	2204.5	2145.9	2081.6	2011.9	1941.1	1866.8	1787.9	1704.5	1616.9	1532.3
-75°	1835.1	1793.5	1747.3	1696.7	1641.6	1582.4	1527.2	1472.2	1414.1	1353.0	1289.0
-77.5°	1456.2	1428.1	1396.8	1362.6	1325.3	1285.2	1242.2	1195.7	1144.7	1091.0	1034.7
-80°	1122.0	1098.3	1072.1	1043.2	1011.8	978.0	941.8	903.3	862.6	821.2	779.3
-82.5°	778.2	761.7	743.4	723.2	701.3	677.7	652.5	625.6	597.1	567.2	535.8
-85°	459.5	450.3	440.0	428.7	416.4	403.2	389.0	373.9	358.0	341.2	323.5
-87.5°	190.7	187.4	183.9	180.0	175.7	171.1	166.2	161.0	155.4	149.6	143.4
-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: P687833 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-LAM

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°	137.1	130.4	123.5	116.4	109.0	101.4	93.7	85.7	77.6	69.4	61.0
85°	305.1	286.0	266.1	245.6	224.4	202.7	187.2	171.3	155.1	138.6	121.9
82.5°	503.0	472.9	443.1	412.3	380.6	347.9	314.4	280.2	245.3	209.8	182.6
80°	735.5	690.0	642.8	594.0	543.8	492.6	448.0	402.4	355.9	308.6	260.5
77.5°	976.0	915.0	851.8	790.1	727.3	662.8	596.7	529.2	465.7	406.7	346.7
75°	1222.3	1149.5	1073.6	995.2	914.5	832.3	753.0	672.1	589.6	505.7	432.2
72.5°	1454.3	1373.3	1289.4	1202.3	1108.2	1011.6	912.7	813.6	717.6	619.9	520.8
70°	1711.8	1598.1	1495.9	1397.0	1295.2	1189.6	1076.8	961.6	844.3	732.8	619.9
67.5°	1991.3	1863.3	1731.0	1594.6	1474.5	1357.3	1237.4	1109.5	978.0	844.3	717.6
65°	2290.0	2136.1	1978.4	1826.9	1671.3	1521.4	1388.5	1253.0	1109.5	961.6	813.6
62.5°	2612.1	2415.8	2240.9	2060.8	1884.8	1709.8	1537.1	1388.5	1237.4	1076.8	912.7
60°	2965.4	2740.8	2509.2	2304.2	2102.9	1904.2	1709.8	1521.4	1357.3	1189.6	1011.6
57.5°	3392.1	3082.1	2818.6	2560.9	2325.3	2102.9	1884.8	1671.3	1474.5	1295.2	1108.2
55°	3852.9	3492.7	3148.8	2844.7	2560.9	2304.2	2060.8	1826.9	1594.6	1397.0	1202.3
52.5°	4408.7	3941.4	3526.3	3148.8	2818.6	2509.2	2240.9	1978.4	1731.0	1495.9	1289.4
50°	5013.9	4453.5	3941.4	3492.7	3082.1	2740.8	2415.8	2136.1	1863.3	1598.1	1373.3
47.5°	5662.3	5013.9	4408.7	3852.9	3392.1	2965.4	2612.1	2290.0	1991.3	1711.8	1454.3
45°	6321.9	5606.3	4903.4	4275.0	3692.0	3225.8	2810.7	2438.5	2124.4	1821.2	1532.3
42.5°	6970.8	6201.8	5439.2	4684.0	4054.1	3491.8	3001.7	2607.2	2252.5	1926.3	1616.9
40°	7581.5	6788.7	5963.4	5163.1	4416.3	3748.9	3228.7	2772.9	2375.1	2029.4	1704.5
37.5°	8167.3	7343.2	6488.2	5621.9	4781.9	4066.7	3451.0	2931.0	2498.7	2132.7	1787.9
35°	8676.0	7866.6	6989.1	6073.7	5184.8	4368.8	3662.0	3096.5	2632.9	2230.5	1866.8
32.5°	9156.4	8348.5	7452.1	6513.2	5566.2	4654.5	3897.9	3276.4	2759.4	2322.7	1941.1
30°	9574.2	8771.1	7887.6	6927.1	5931.2	4977.6	4141.7	3445.1	2877.9	2409.0	2011.9
27.5°	9955.3	9167.4	8286.7	7305.9	6286.4	5283.4	4368.8	3602.1	2988.1	2495.6	2081.6
25°	10301.2	9507.1	8626.9	7654.2	6615.2	5566.2	4578.7	3748.9	3107.7	2585.3	2145.9
22.5°	10597.5	9809.6	8939.6	7973.8	6916.4	5825.4	4791.5	3921.5	3225.8	2667.1	2204.5
20°	10867.2	10084.6	9223.3	8258.0	7184.7	6073.7	5003.4	4077.3	3332.3	2740.8	2257.3
17.5°	11105.6	10319.7	9454.4	8490.5	7420.9	6294.9	5192.1	4215.9	3427.0	2806.4	2304.2
15°	11299.8	10515.3	9652.8	8694.1	7627.5	6488.2	5356.8	4336.9	3509.6	2863.5	2345.0
12.5°	11466.1	10682.7	9822.4	8868.0	7803.8	6653.0	5497.2	4440.0	3579.9	2912.1	2379.8
10°	11603.7	10820.9	9962.3	9011.3	7949.1	6788.7	5612.6	4524.7	3637.7	2952.1	2408.4
7.5°	11711.6	10929.3	10071.9	9123.4	8062.6	6894.8	5702.9	4590.9	3682.8	2983.3	2430.7
5°	11789.2	11007.1	10150.5	9203.9	8144.1	6970.8	5767.5	4638.3	3715.1	3005.6	2446.6
2.5°	11836.0	11054.0	10197.9	9252.3	8193.1	7016.5	5806.4	4666.8	3734.5	3019.0	2456.2
0°	11851.6	11069.7	10213.7	9268.5	8209.5	7031.8	5819.4	4676.3	3741.0	3023.5	2459.4
-2.5°	11836.0	11054.0	10197.9	9252.3	8193.1	7016.5	5806.4	4666.8	3734.5	3019.0	2456.2
-5°	11789.2	11007.1	10150.5	9203.9	8144.1	6970.8	5767.5	4638.3	3715.1	3005.6	2446.6
-7.5°	11711.6	10929.3	10071.9	9123.4	8062.6	6894.8	5702.9	4590.9	3682.8	2983.3	2430.7
-10°	11603.7	10820.9	9962.3	9011.3	7949.1	6788.7	5612.6	4524.7	3637.7	2952.1	2408.4
-12.5°	11466.1	10682.7	9822.4	8868.0	7803.8	6653.0	5497.2	4440.0	3579.9	2912.1	2379.8
-15°	11299.8	10515.3	9652.8	8694.1	7627.5	6488.2	5356.8	4336.9	3509.6	2863.5	2345.0



REPORT NUMBER: P687833 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-LAM

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	10597.5	9809.6	8939.6	7973.8	6916.4	5825.4	4791.5	3921.5	3225.8	2667.1	2204.5
-25°	10301.2	9507.1	8626.9	7654.2	6615.2	5566.2	4578.7	3748.9	3107.7	2585.3	2145.9
-27.5°	9955.3	9167.4	8286.7	7305.9	6286.4	5283.4	4368.8	3602.1	2988.1	2495.6	2081.6
-30°	9574.2	8771.1	7887.6	6927.1	5931.2	4977.6	4141.7	3445.1	2877.9	2409.0	2011.9
-32.5°	9156.4	8348.5	7452.1	6513.2	5566.2	4654.5	3897.9	3276.4	2759.4	2322.7	1941.1
-35°	8676.0	7866.6	6989.1	6073.7	5184.8	4368.8	3662.0	3096.5	2632.9	2230.5	1866.8
-37.5°	8167.3	7343.2	6488.2	5621.9	4781.9	4066.7	3451.0	2931.0	2498.7	2132.7	1787.9
-40°	7581.5	6788.7	5963.4	5163.1	4416.3	3748.9	3228.7	2772.9	2375.1	2029.4	1704.5
-42.5°	6970.8	6201.8	5439.2	4684.0	4054.1	3491.8	3001.7	2607.2	2252.5	1926.3	1616.9
-45°	6321.9	5606.3	4903.4	4275.0	3692.0	3225.8	2810.7	2438.5	2124.4	1821.2	1532.3
-47.5°	5662.3	5013.9	4408.7	3852.9	3392.1	2965.4	2612.1	2290.0	1991.3	1711.8	1454.3
-50°	5013.9	4453.5	3941.4	3492.7	3082.1	2740.8	2415.8	2136.1	1863.3	1598.1	1373.3
-52.5°	4408.7	3941.4	3526.3	3148.8	2818.6	2509.2	2240.9	1978.4	1731.0	1495.9	1289.4
-55°	3852.9	3492.7	3148.8	2844.7	2560.9	2304.2	2060.8	1826.9	1594.6	1397.0	1202.3
-57.5°	3392.1	3082.1	2818.6	2560.9	2325.3	2102.9	1884.8	1671.3	1474.5	1295.2	1108.2
-60°	2965.4	2740.8	2509.2	2304.2	2102.9	1904.2	1709.8	1521.4	1357.3	1189.6	1011.6
-62.5°	2612.1	2415.8	2240.9	2060.8	1884.8	1709.8	1537.1	1388.5	1237.4	1076.8	912.7
-65°	2290.0	2136.1	1978.4	1826.9	1671.3	1521.4	1388.5	1253.0	1109.5	961.6	813.6
-67.5°	1991.3	1863.3	1731.0	1594.6	1474.5	1357.3	1237.4	1109.5	978.0	844.3	717.6
-70°	1711.8	1598.1	1495.9	1397.0	1295.2	1189.6	1076.8	961.6	844.3	732.8	619.9
-72.5°	1454.3	1373.3	1289.4	1202.3	1108.2	1011.6	912.7	813.6	717.6	619.9	520.8
-75°	1222.3	1149.5	1073.6	995.2	914.5	832.3	753.0	672.1	589.6	505.7	432.2
-77.5°	976.0	915.0	851.8	790.1	727.3	662.8	596.7	529.2	465.7	406.7	346.7
-80°	735.5	690.0	642.8	594.0	543.8	492.6	448.0	402.4	355.9	308.6	260.5
-82.5°	503.0	472.9	443.1	412.3	380.6	347.9	314.4	280.2	245.3	209.8	182.6
-85°	305.1	286.0	266.1	245.6	224.4	202.7	187.2	171.3	155.1	138.6	121.9
-87.5°	137.1	130.4	123.5	116.4	109.0	101.4	93.7	85.7	77.6	69.4	61.0
-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: P687833 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-LAM

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°	52.5	43.9	35.2	26.5	17.7	8.8	0.0
85°	104.9	87.7	70.4	52.9	35.3	17.7	0.0
82.5°	157.1	131.4	105.4	79.2	52.9	26.5	0.0
80°	211.8	174.8	140.2	105.4	70.4	35.2	0.0
77.5°	286.0	224.5	174.8	131.4	87.7	43.9	0.0
75°	359.5	286.0	211.8	157.1	104.9	52.5	0.0
72.5°	432.2	346.7	260.5	182.6	121.9	61.0	0.0
70°	505.7	406.7	308.6	209.8	138.6	69.4	0.0
67.5°	589.6	465.7	355.9	245.3	155.1	77.6	0.0
65°	672.1	529.2	402.4	280.2	171.3	85.7	0.0
62.5°	753.0	596.7	448.0	314.4	187.2	93.7	0.0
60°	832.3	662.8	492.6	347.9	202.7	101.4	0.0
57.5°	914.5	727.3	543.8	380.6	224.4	109.0	0.0
55°	995.2	790.1	594.0	412.3	245.6	116.4	0.0
52.5°	1073.6	851.8	642.8	443.1	266.1	123.5	0.0
50°	1149.5	915.0	690.0	472.9	286.0	130.4	0.0
47.5°	1222.3	976.0	735.5	503.0	305.1	137.1	0.0
45°	1289.0	1034.7	779.3	535.8	323.5	143.4	0.0
42.5°	1353.0	1091.0	821.2	567.2	341.2	149.6	0.0
40°	1414.1	1144.7	862.6	597.1	358.0	155.4	0.0
37.5°	1472.2	1195.7	903.3	625.6	373.9	161.0	0.0
35°	1527.2	1242.2	941.8	652.5	389.0	166.2	0.0
32.5°	1582.4	1285.2	978.0	677.7	403.2	171.1	0.0
30°	1641.6	1325.3	1011.8	701.3	416.4	175.7	0.0
27.5°	1696.7	1362.6	1043.2	723.2	428.7	180.0	0.0
25°	1747.3	1396.8	1072.1	743.4	440.0	183.9	0.0
22.5°	1793.5	1428.1	1098.3	761.7	450.3	187.4	0.0
20°	1835.1	1456.2	1122.0	778.2	459.5	190.7	0.0
17.5°	1872.0	1481.2	1143.0	792.8	467.7	193.5	0.0
15°	1904.2	1502.9	1161.3	805.6	474.9	196.0	0.0
12.5°	1931.6	1521.4	1176.9	816.4	480.9	198.1	0.0
10°	1954.1	1536.6	1189.6	825.3	485.9	199.8	0.0
7.5°	1971.6	1548.4	1199.6	832.3	489.8	201.2	0.0
5°	1984.1	1556.9	1206.7	837.2	492.6	202.1	0.0
2.5°	1991.7	1562.0	1211.0	840.2	494.2	202.7	0.0
0°	1994.2	1563.7	1212.4	841.2	494.8	202.9	0.0
-2.5°	1991.7	1562.0	1211.0	840.2	494.2	202.7	0.0
-5°	1984.1	1556.9	1206.7	837.2	492.6	202.1	0.0
-7.5°	1971.6	1548.4	1199.6	832.3	489.8	201.2	0.0
-10°	1954.1	1536.6	1189.6	825.3	485.9	199.8	0.0
-12.5°	1931.6	1521.4	1176.9	816.4	480.9	198.1	0.0
-15°	1904.2	1502.9	1161.3	805.6	474.9	196.0	0.0

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REPORT NUMBER: P687833 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-08-E-PRO-5700K-LAM

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1793.5	1428.1	1098.3	761.7	450.3	187.4	0.0
-25°	1747.3	1396.8	1072.1	743.4	440.0	183.9	0.0
-27.5°	1696.7	1362.6	1043.2	723.2	428.7	180.0	0.0
-30°	1641.6	1325.3	1011.8	701.3	416.4	175.7	0.0
-32.5°	1582.4	1285.2	978.0	677.7	403.2	171.1	0.0
-35°	1527.2	1242.2	941.8	652.5	389.0	166.2	0.0
-37.5°	1472.2	1195.7	903.3	625.6	373.9	161.0	0.0
-40°	1414.1	1144.7	862.6	597.1	358.0	155.4	0.0
-42.5°	1353.0	1091.0	821.2	567.2	341.2	149.6	0.0
-45°	1289.0	1034.7	779.3	535.8	323.5	143.4	0.0
-47.5°	1222.3	976.0	735.5	503.0	305.1	137.1	0.0
-50°	1149.5	915.0	690.0	472.9	286.0	130.4	0.0
-52.5°	1073.6	851.8	642.8	443.1	266.1	123.5	0.0
-55°	995.2	790.1	594.0	412.3	245.6	116.4	0.0
-57.5°	914.5	727.3	543.8	380.6	224.4	109.0	0.0
-60°	832.3	662.8	492.6	347.9	202.7	101.4	0.0
-62.5°	753.0	596.7	448.0	314.4	187.2	93.7	0.0
-65°	672.1	529.2	402.4	280.2	171.3	85.7	0.0
-67.5°	589.6	465.7	355.9	245.3	155.1	77.6	0.0
-70°	505.7	406.7	308.6	209.8	138.6	69.4	0.0
-72.5°	432.2	346.7	260.5	182.6	121.9	61.0	0.0
-75°	359.5	286.0	211.8	157.1	104.9	52.5	0.0
-77.5°	286.0	224.5	174.8	131.4	87.7	43.9	0.0
-80°	211.8	174.8	140.2	105.4	70.4	35.2	0.0
-82.5°	157.1	131.4	105.4	79.2	52.9	26.5	0.0
-85°	104.9	87.7	70.4	52.9	35.3	17.7	0.0
-87.5°	52.5	43.9	35.2	26.5	17.7	8.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Peachtree City, GA 30269

Scaled Data Report



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Horizontal Angle (degrees)

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Horizontal Angle (degrees)

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--- Horizontal Distribution through 0-Deg

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-17.5°	0.0	193.5	467.7	792.8	1143.0	1481.2	1872.0	2304.2	2806.4	3427.0	4215.9
-20°	0.0	190.7	459.5	778.2	1122.0	1456.2	1835.1	2257.3	2740.8	3332.3	4077.3

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-17.5°	5192.1	6294.9	7420.9	8490.5	9454.4	10319.7	11105.6	11822.2	12430.0	12966.8	13438.8
-20°	5003.4	6073.7	7184.7	8258.0	9223.3	10084.6	10867.2	11583.0	12210.5	12758.0	13241.9

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-17.5°	13842.2	14191.6	14491.3	14732.4	14921.7	15069.6	15170.9	15232.7	15255.6	15250.1	15237.2
-20°	13664.7	14020.7	14330.1	14583.6	14789.8	14957.4	15086.5	15170.9	15229.1	15248.0	15258.8

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-17.5°	15204.5	15178.7	15162.7	15157.2	15162.7	15178.7	15204.5	15237.2	15250.1	15255.6	15232.7
-20°	15249.3	15242.2	15237.9	15236.4	15237.9	15242.2	15249.3	15258.8	15248.0	15229.1	15170.9

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-17.5°	15170.9	15069.6	14921.7	14732.4	14491.3	14191.6	13842.2	13438.8	12966.8	12430.0	11822.2
-20°	15086.5	14957.4	14789.8	14583.6	14330.1	14020.7	13664.7	13241.9	12758.0	12210.5	11583.0

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-17.5°	11105.6	10319.7	9454.4	8490.5	7420.9	6294.9	5192.1	4215.9	3427.0	2806.4	2304.2
-20°	10867.2	10084.6	9223.3	8258.0	7184.7	6073.7	5003.4	4077.3	3332.3	2740.8	2257.3

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-17.5°	1872.0	1481.2	1143.0	792.8	467.7	193.5	0.0
-20°	1835.1	1456.2	1122.0	778.2	459.5	190.7	0.0

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(END OF REPORT)