

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: P687828 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-VN-06-E-PRO-3000K-LAM**

Issue Date: 5/17/2023



Test Information

Test Method: LM-79-08
Report Number: P687828 (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-06-E-PRO-3000K-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: 30010 lumens
Efficiency: N/A
Efficacy: 122.3 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: 24560.3 lumens
Beam Efficiency: 81.8%

Input Watts (W): 245.3
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

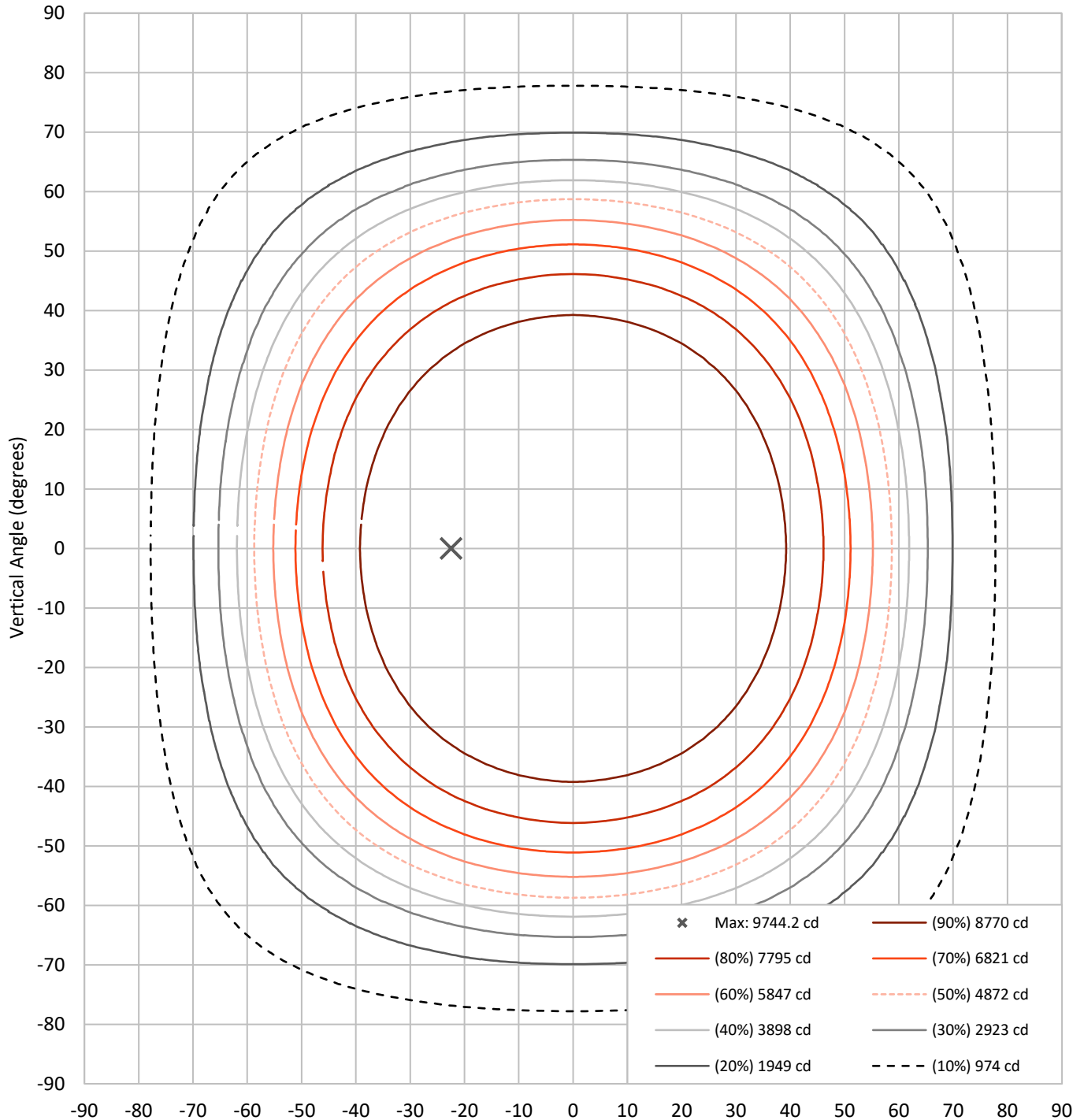
NEMA Type: 7H x 7V
Max Intensity: 9744.2 candela
Max Intensity Angle: -22.5°H x 0°V

Field Angle (10%): 155.5°H x 153.7°V
Field Lumens: 29434.4 lumens
Field Efficiency: 98.1%

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CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-LAM

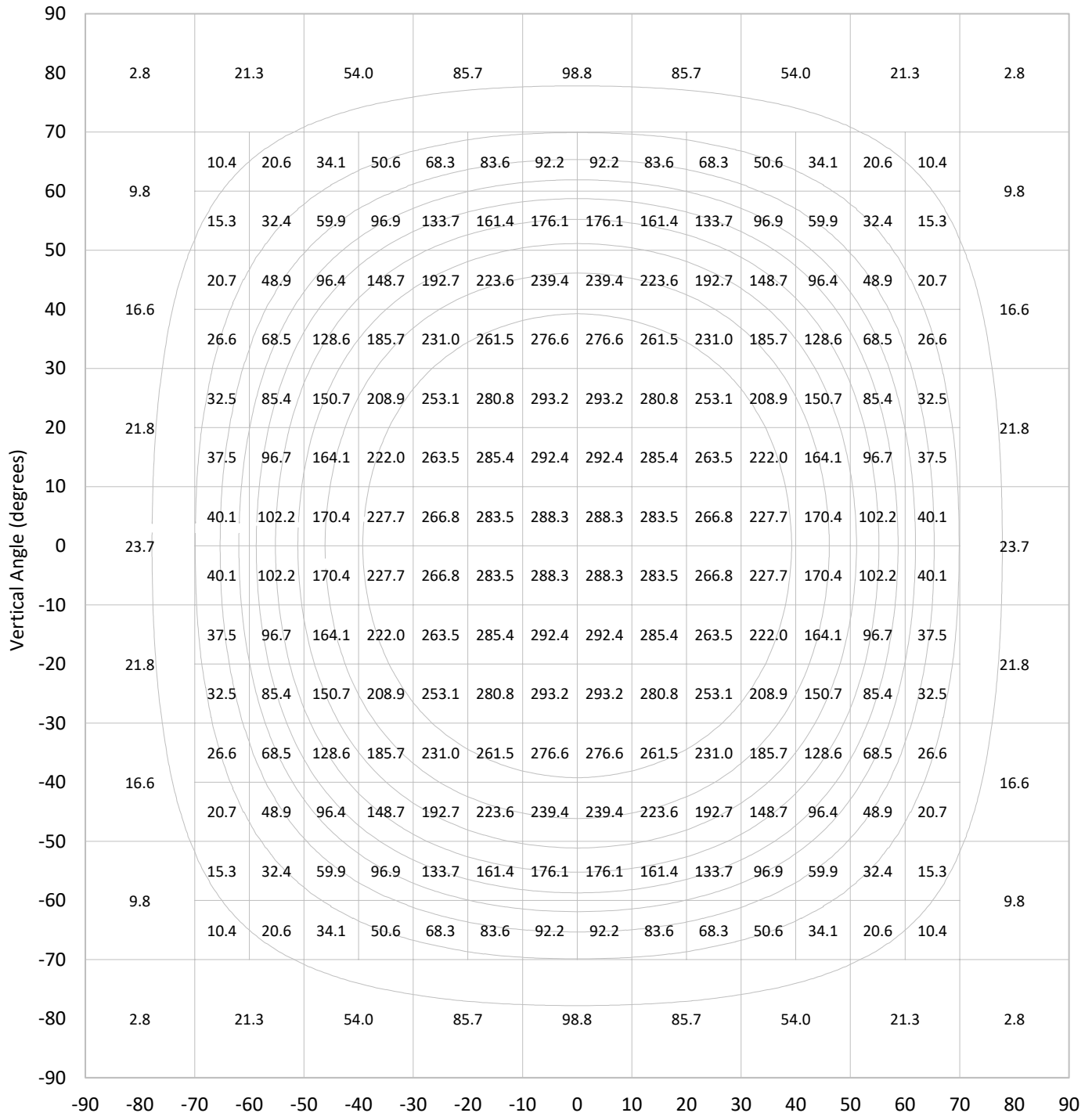
Iso-Candela Plot





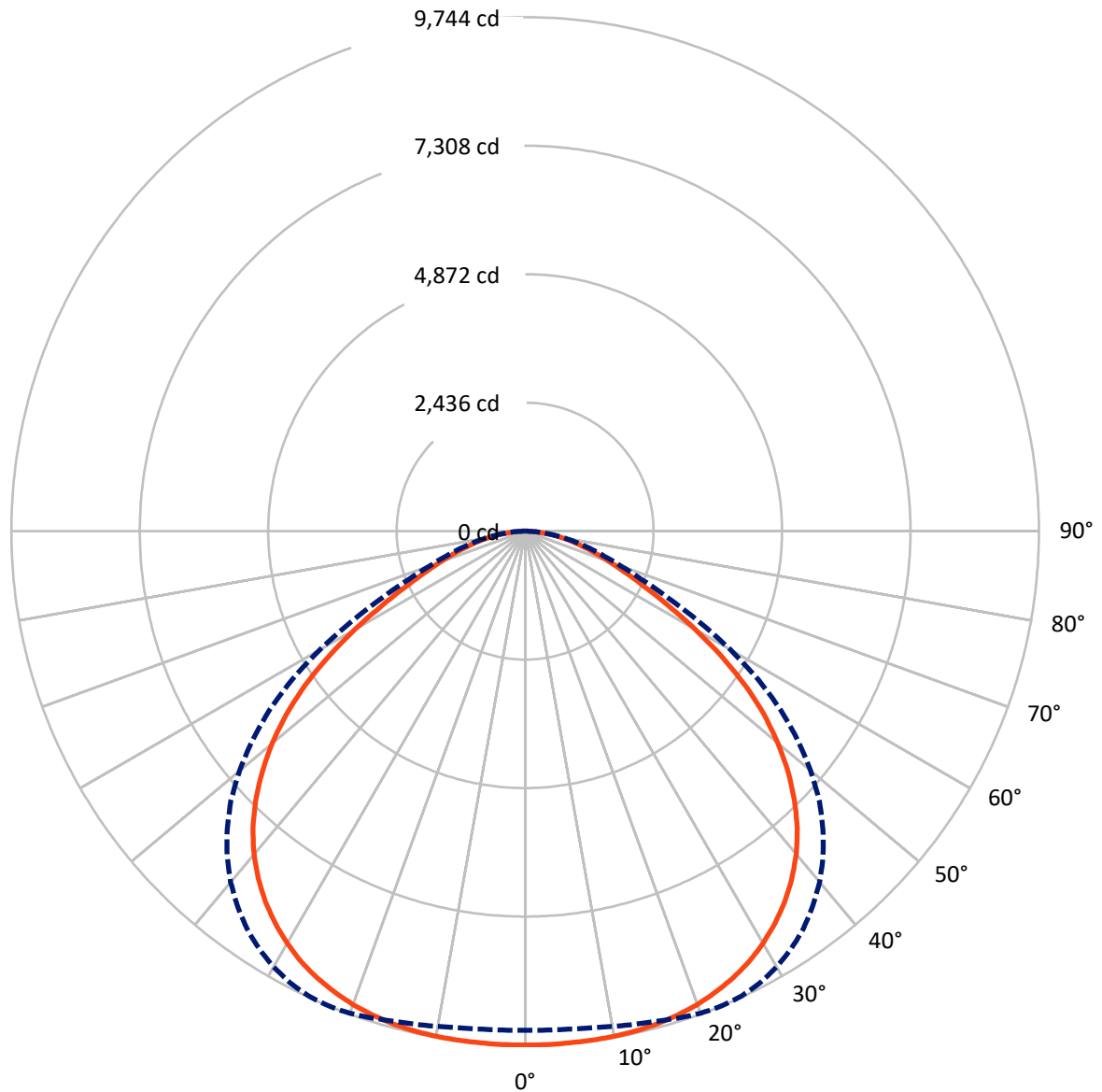
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Lumen Table



REPORT NUMBER: P687828 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot

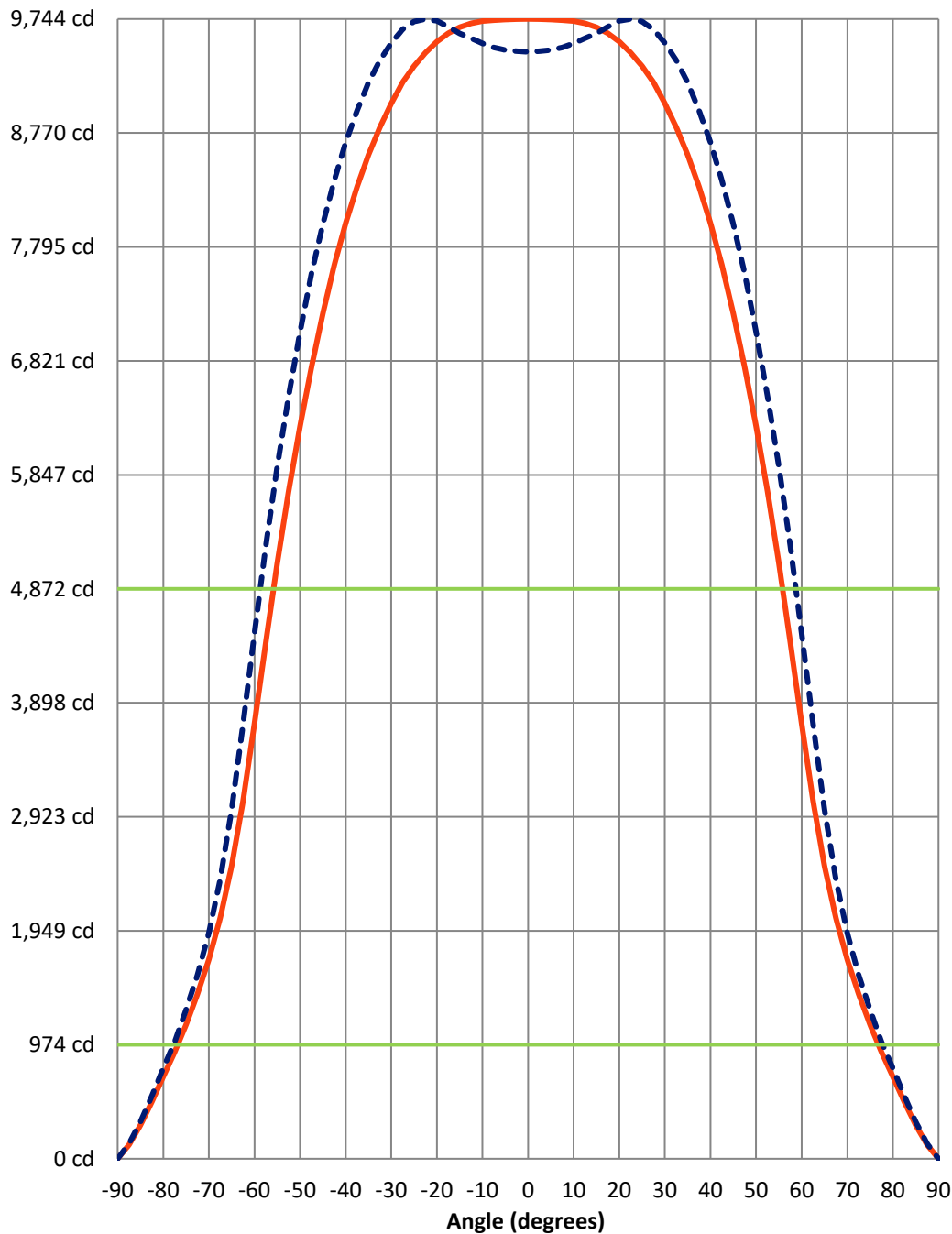


— Vertical Distribution Through -22.5-Deg - - - Horizontal Distribution Through 0-Deg



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Luminous Intensity Plot



Beam:
 H Angle: 117.5°
 V Angle: 111.6°
 Lumens: 24560.3
 Efficiency: 81.8%

Field:
 H Angle: 155.5°
 V Angle: 153.7°
 Lumens: 29434.4
 Efficiency: 98.1%

Spill:
 Lumens: 575.6
 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	5.6	11.3	16.9	22.5	28.0	33.5	38.9	44.3	49.5	54.7
85°	0.0	11.3	22.5	33.8	44.9	56.0	67.0	77.8	88.5	99.0	109.3
82.5°	0.0	16.9	33.8	50.6	67.3	83.9	100.3	116.5	133.9	156.6	178.9
80°	0.0	22.5	44.9	67.3	89.5	111.6	135.2	166.3	197.0	227.2	257.0
77.5°	0.0	28.0	56.0	83.9	111.6	143.3	182.6	221.4	259.7	297.4	338.0
75°	0.0	33.5	67.0	100.3	135.2	182.6	229.5	276.0	322.9	376.5	429.2
72.5°	0.0	38.9	77.8	116.5	166.3	221.4	276.0	332.6	395.9	458.2	519.5
70°	0.0	44.3	88.5	133.9	197.0	259.7	322.9	395.9	467.9	539.1	614.0
67.5°	0.0	49.5	99.0	156.6	227.2	297.4	376.5	458.2	539.1	624.4	708.4
65°	0.0	54.7	109.3	178.9	257.0	338.0	429.2	519.5	614.0	708.4	800.0
62.5°	0.0	59.8	119.5	200.8	286.1	381.1	480.8	582.7	687.5	790.1	886.5
60°	0.0	64.7	129.4	222.2	314.6	423.3	531.4	645.9	759.6	866.6	971.4
57.5°	0.0	69.6	143.2	243.0	347.3	464.4	583.9	707.5	827.0	941.5	1067.1
55°	0.0	74.3	156.8	263.3	379.3	504.5	635.4	767.6	891.9	1018.1	1166.5
52.5°	0.0	78.8	169.9	283.0	410.5	543.9	685.5	823.3	955.1	1105.2	1263.2
50°	0.0	83.2	182.6	302.0	440.6	584.2	734.0	876.8	1020.4	1189.7	1363.9
47.5°	0.0	87.5	194.8	321.2	469.6	623.2	780.4	928.5	1092.9	1271.5	1462.2
45°	0.0	91.6	206.6	342.2	497.6	660.7	823.0	978.4	1162.8	1356.4	1557.0
42.5°	0.0	95.5	217.8	362.2	524.3	696.6	863.9	1032.4	1229.9	1438.2	1664.7
40°	0.0	99.2	228.6	381.3	550.8	730.9	902.9	1088.3	1295.7	1516.5	1770.5
37.5°	0.0	102.7	238.8	399.5	576.8	763.4	940.0	1141.6	1361.7	1595.4	1871.4
35°	0.0	106.1	248.4	416.6	601.3	793.2	975.1	1191.9	1424.2	1681.1	1977.1
32.5°	0.0	109.2	257.5	432.8	624.5	820.6	1010.3	1239.4	1483.1	1761.8	2092.0
30°	0.0	112.1	265.9	447.8	646.0	846.2	1048.2	1284.6	1538.2	1837.5	2199.7
27.5°	0.0	114.9	273.8	461.8	666.1	870.0	1083.3	1329.1	1593.4	1907.9	2300.0
25°	0.0	117.4	281.0	474.6	684.5	891.9	1115.6	1370.1	1650.7	1984.3	2393.7
22.5°	0.0	119.6	287.5	486.4	701.3	911.8	1145.1	1407.5	1702.9	2059.7	2503.9
20°	0.0	121.7	293.5	496.9	716.4	929.8	1171.7	1441.2	1750.0	2127.7	2603.4
17.5°	0.0	123.5	298.7	506.2	729.8	945.7	1195.3	1471.2	1791.9	2188.2	2691.9
15°	0.0	125.1	303.3	514.4	741.5	959.6	1215.8	1497.3	1828.3	2240.9	2769.2
12.5°	0.0	126.4	307.1	521.3	751.4	971.4	1233.3	1519.5	1859.4	2285.8	2834.9
10°	0.0	127.5	310.3	527.0	759.6	981.1	1247.7	1537.7	1884.9	2322.7	2889.0
7.5°	0.0	128.4	312.8	531.4	765.9	988.7	1258.9	1551.9	1904.8	2351.5	2931.3
5°	0.0	129.0	314.6	534.6	770.5	994.1	1266.9	1562.1	1919.1	2372.2	2961.5
2.5°	0.0	129.4	315.6	536.5	773.2	997.3	1271.7	1568.3	1927.6	2384.6	2979.7
0°	0.0	129.5	316.0	537.1	774.1	998.4	1273.3	1570.3	1930.5	2388.7	2985.8
-2.5°	0.0	129.4	315.6	536.5	773.2	997.3	1271.7	1568.3	1927.6	2384.6	2979.7
-5°	0.0	129.0	314.6	534.6	770.5	994.1	1266.9	1562.1	1919.1	2372.2	2961.5
-7.5°	0.0	128.4	312.8	531.4	765.9	988.7	1258.9	1551.9	1904.8	2351.5	2931.3
-10°	0.0	127.5	310.3	527.0	759.6	981.1	1247.7	1537.7	1884.9	2322.7	2889.0
-12.5°	0.0	126.4	307.1	521.3	751.4	971.4	1233.3	1519.5	1859.4	2285.8	2834.9
-15°	0.0	125.1	303.3	514.4	741.5	959.6	1215.8	1497.3	1828.3	2240.9	2769.2



REPORT NUMBER: P687828 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-LAM

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	119.6	287.5	486.4	701.3	911.8	1145.1	1407.5	1702.9	2059.7	2503.9
-25°	0.0	117.4	281.0	474.6	684.5	891.9	1115.6	1370.1	1650.7	1984.3	2393.7
-27.5°	0.0	114.9	273.8	461.8	666.1	870.0	1083.3	1329.1	1593.4	1907.9	2300.0
-30°	0.0	112.1	265.9	447.8	646.0	846.2	1048.2	1284.6	1538.2	1837.5	2199.7
-32.5°	0.0	109.2	257.5	432.8	624.5	820.6	1010.3	1239.4	1483.1	1761.8	2092.0
-35°	0.0	106.1	248.4	416.6	601.3	793.2	975.1	1191.9	1424.2	1681.1	1977.1
-37.5°	0.0	102.7	238.8	399.5	576.8	763.4	940.0	1141.6	1361.7	1595.4	1871.4
-40°	0.0	99.2	228.6	381.3	550.8	730.9	902.9	1088.3	1295.7	1516.5	1770.5
-42.5°	0.0	95.5	217.8	362.2	524.3	696.6	863.9	1032.4	1229.9	1438.2	1664.7
-45°	0.0	91.6	206.6	342.2	497.6	660.7	823.0	978.4	1162.8	1356.4	1557.0
-47.5°	0.0	87.5	194.8	321.2	469.6	623.2	780.4	928.5	1092.9	1271.5	1462.2
-50°	0.0	83.2	182.6	302.0	440.6	584.2	734.0	876.8	1020.4	1189.7	1363.9
-52.5°	0.0	78.8	169.9	283.0	410.5	543.9	685.5	823.3	955.1	1105.2	1263.2
-55°	0.0	74.3	156.8	263.3	379.3	504.5	635.4	767.6	891.9	1018.1	1166.5
-57.5°	0.0	69.6	143.2	243.0	347.3	464.4	583.9	707.5	827.0	941.5	1067.1
-60°	0.0	64.7	129.4	222.2	314.6	423.3	531.4	645.9	759.6	866.6	971.4
-62.5°	0.0	59.8	119.5	200.8	286.1	381.1	480.8	582.7	687.5	790.1	886.5
-65°	0.0	54.7	109.3	178.9	257.0	338.0	429.2	519.5	614.0	708.4	800.0
-67.5°	0.0	49.5	99.0	156.6	227.2	297.4	376.5	458.2	539.1	624.4	708.4
-70°	0.0	44.3	88.5	133.9	197.0	259.7	322.9	395.9	467.9	539.1	614.0
-72.5°	0.0	38.9	77.8	116.5	166.3	221.4	276.0	332.6	395.9	458.2	519.5
-75°	0.0	33.5	67.0	100.3	135.2	182.6	229.5	276.0	322.9	376.5	429.2
-77.5°	0.0	28.0	56.0	83.9	111.6	143.3	182.6	221.4	259.7	297.4	338.0
-80°	0.0	22.5	44.9	67.3	89.5	111.6	135.2	166.3	197.0	227.2	257.0
-82.5°	0.0	16.9	33.8	50.6	67.3	83.9	100.3	116.5	133.9	156.6	178.9
-85°	0.0	11.3	22.5	33.8	44.9	56.0	67.0	77.8	88.5	99.0	109.3
-87.5°	0.0	5.6	11.3	16.9	22.5	28.0	33.5	38.9	44.3	49.5	54.7
-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: P687828 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-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°	59.8	64.7	69.6	74.3	78.8	83.2	87.5	91.6	95.5	99.2	102.7
85°	119.5	129.4	143.2	156.8	169.9	182.6	194.8	206.6	217.8	228.6	238.8
82.5°	200.8	222.2	243.0	263.3	283.0	302.0	321.2	342.2	362.2	381.3	399.5
80°	286.1	314.6	347.3	379.3	410.5	440.6	469.6	497.6	524.3	550.8	576.8
77.5°	381.1	423.3	464.4	504.5	543.9	584.2	623.2	660.7	696.6	730.9	763.4
75°	480.8	531.4	583.9	635.4	685.5	734.0	780.4	823.0	863.9	902.9	940.0
72.5°	582.7	645.9	707.5	767.6	823.3	876.8	928.5	978.4	1032.4	1088.3	1141.6
70°	687.5	759.6	827.0	891.9	955.1	1020.4	1092.9	1162.8	1229.9	1295.7	1361.7
67.5°	790.1	866.6	941.5	1018.1	1105.2	1189.7	1271.5	1356.4	1438.2	1516.5	1595.4
65°	886.5	971.4	1067.1	1166.5	1263.2	1363.9	1462.2	1557.0	1664.7	1770.5	1871.4
62.5°	981.4	1091.7	1203.5	1315.8	1430.8	1542.5	1667.8	1794.6	1916.6	2061.5	2203.5
60°	1091.7	1215.8	1342.7	1471.2	1602.1	1750.0	1893.4	2059.7	2229.6	2393.7	2596.6
57.5°	1203.5	1342.7	1484.7	1635.1	1799.7	1968.0	2165.9	2357.4	2588.6	2819.8	3053.2
55°	1315.8	1471.2	1635.1	1816.3	2010.5	2230.1	2460.2	2729.6	2990.7	3296.6	3589.6
52.5°	1430.8	1602.1	1799.7	2010.5	2251.6	2516.6	2815.0	3130.8	3472.9	3807.6	4142.7
50°	1542.5	1750.0	1968.0	2230.1	2516.6	2843.6	3201.3	3579.7	3959.9	4334.6	4688.6
47.5°	1667.8	1893.4	2165.9	2460.2	2815.0	3201.3	3615.4	4036.6	4450.8	4840.8	5214.9
45°	1794.6	2059.7	2357.4	2729.6	3130.8	3579.7	4036.6	4489.8	4917.5	5322.3	5681.0
42.5°	1916.6	2229.6	2588.6	2990.7	3472.9	3959.9	4450.8	4917.5	5357.4	5752.3	6110.4
40°	2061.5	2393.7	2819.8	3296.6	3807.6	4334.6	4840.8	5322.3	5752.3	6142.9	6503.7
37.5°	2203.5	2596.6	3053.2	3589.6	4142.7	4688.6	5214.9	5681.0	6110.4	6503.7	6850.8
35°	2338.3	2789.5	3310.5	3878.1	4462.5	5022.8	5539.6	6013.6	6437.6	6820.2	7174.3
32.5°	2488.9	2971.9	3554.0	4158.7	4758.2	5330.6	5846.3	6306.6	6728.8	7117.2	7467.0
30°	2644.5	3178.2	3787.1	4422.9	5036.3	5600.4	6113.1	6578.5	6998.1	7379.7	7719.3
27.5°	2789.5	3373.5	4013.9	4664.8	5291.1	5853.4	6356.4	6815.4	7236.1	7618.6	7944.1
25°	2923.5	3554.0	4223.8	4887.2	5508.3	6070.2	6577.3	7036.5	7453.0	7816.0	8135.8
22.5°	3059.4	3719.5	4416.1	5091.3	5707.9	6263.4	6766.5	7225.6	7640.7	7998.2	8309.0
20°	3194.7	3878.1	4587.4	5272.8	5889.0	6439.0	6938.7	7395.7	7796.4	8146.0	8454.9
17.5°	3315.1	4019.3	4738.2	5421.2	6036.6	6589.1	7090.9	7548.4	7936.5	8279.3	8580.6
15°	3420.3	4142.7	4870.2	5551.2	6163.3	6714.0	7214.9	7665.3	8051.8	8392.9	8691.6
12.5°	3509.9	4247.9	4982.8	5662.2	6271.5	6820.9	7321.1	7763.2	8145.4	8481.6	8771.9
10°	3583.7	4334.6	5075.5	5753.7	6360.9	6909.1	7408.9	7844.3	8223.0	8555.3	8838.9
7.5°	3641.3	4402.3	5148.0	5825.3	6430.8	6978.3	7477.8	7907.9	8284.0	8613.3	8891.7
5°	3682.6	4450.8	5200.1	5876.7	6481.1	7028.1	7527.4	7953.7	8328.0	8655.2	8929.8
2.5°	3707.4	4480.1	5231.4	5907.6	6511.3	7058.0	7557.2	7981.4	8354.5	8680.4	8952.9
0°	3715.7	4489.8	5241.8	5917.9	6521.4	7068.0	7567.2	7990.6	8363.4	8688.9	8960.6
-2.5°	3707.4	4480.1	5231.4	5907.6	6511.3	7058.0	7557.2	7981.4	8354.5	8680.4	8952.9
-5°	3682.6	4450.8	5200.1	5876.7	6481.1	7028.1	7527.4	7953.7	8328.0	8655.2	8929.8
-7.5°	3641.3	4402.3	5148.0	5825.3	6430.8	6978.3	7477.8	7907.9	8284.0	8613.3	8891.7
-10°	3583.7	4334.6	5075.5	5753.7	6360.9	6909.1	7408.9	7844.3	8223.0	8555.3	8838.9
-12.5°	3509.9	4247.9	4982.8	5662.2	6271.5	6820.9	7321.1	7763.2	8145.4	8481.6	8771.9
-15°	3420.3	4142.7	4870.2	5551.2	6163.3	6714.0	7214.9	7665.3	8051.8	8392.9	8691.6



REPORT NUMBER: P687828 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-LAM

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3059.4	3719.5	4416.1	5091.3	5707.9	6263.4	6766.5	7225.6	7640.7	7998.2	8309.0
-25°	2923.5	3554.0	4223.8	4887.2	5508.3	6070.2	6577.3	7036.5	7453.0	7816.0	8135.8
-27.5°	2789.5	3373.5	4013.9	4664.8	5291.1	5853.4	6356.4	6815.4	7236.1	7618.6	7944.1
-30°	2644.5	3178.2	3787.1	4422.9	5036.3	5600.4	6113.1	6578.5	6998.1	7379.7	7719.3
-32.5°	2488.9	2971.9	3554.0	4158.7	4758.2	5330.6	5846.3	6306.6	6728.8	7117.2	7467.0
-35°	2338.3	2789.5	3310.5	3878.1	4462.5	5022.8	5539.6	6013.6	6437.6	6820.2	7174.3
-37.5°	2203.5	2596.6	3053.2	3589.6	4142.7	4688.6	5214.9	5681.0	6110.4	6503.7	6850.8
-40°	2061.5	2393.7	2819.8	3296.6	3807.6	4334.6	4840.8	5322.3	5752.3	6142.9	6503.7
-42.5°	1916.6	2229.6	2588.6	2990.7	3472.9	3959.9	4450.8	4917.5	5357.4	5752.3	6110.4
-45°	1794.6	2059.7	2357.4	2729.6	3130.8	3579.7	4036.6	4489.8	4917.5	5322.3	5681.0
-47.5°	1667.8	1893.4	2165.9	2460.2	2815.0	3201.3	3615.4	4036.6	4450.8	4840.8	5214.9
-50°	1542.5	1750.0	1968.0	2230.1	2516.6	2843.6	3201.3	3579.7	3959.9	4334.6	4688.6
-52.5°	1430.8	1602.1	1799.7	2010.5	2251.6	2516.6	2815.0	3130.8	3472.9	3807.6	4142.7
-55°	1315.8	1471.2	1635.1	1816.3	2010.5	2230.1	2460.2	2729.6	2990.7	3296.6	3589.6
-57.5°	1203.5	1342.7	1484.7	1635.1	1799.7	1968.0	2165.9	2357.4	2588.6	2819.8	3053.2
-60°	1091.7	1215.8	1342.7	1471.2	1602.1	1750.0	1893.4	2059.7	2229.6	2393.7	2596.6
-62.5°	981.4	1091.7	1203.5	1315.8	1430.8	1542.5	1667.8	1794.6	1916.6	2061.5	2203.5
-65°	886.5	971.4	1067.1	1166.5	1263.2	1363.9	1462.2	1557.0	1664.7	1770.5	1871.4
-67.5°	790.1	866.6	941.5	1018.1	1105.2	1189.7	1271.5	1356.4	1438.2	1516.5	1595.4
-70°	687.5	759.6	827.0	891.9	955.1	1020.4	1092.9	1162.8	1229.9	1295.7	1361.7
-72.5°	582.7	645.9	707.5	767.6	823.3	876.8	928.5	978.4	1032.4	1088.3	1141.6
-75°	480.8	531.4	583.9	635.4	685.5	734.0	780.4	823.0	863.9	902.9	940.0
-77.5°	381.1	423.3	464.4	504.5	543.9	584.2	623.2	660.7	696.6	730.9	763.4
-80°	286.1	314.6	347.3	379.3	410.5	440.6	469.6	497.6	524.3	550.8	576.8
-82.5°	200.8	222.2	243.0	263.3	283.0	302.0	321.2	342.2	362.2	381.3	399.5
-85°	119.5	129.4	143.2	156.8	169.9	182.6	194.8	206.6	217.8	228.6	238.8
-87.5°	59.8	64.7	69.6	74.3	78.8	83.2	87.5	91.6	95.5	99.2	102.7
-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: P687828 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-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°	106.1	109.2	112.1	114.9	117.4	119.6	121.7	123.5	125.1	126.4	127.5
85°	248.4	257.5	265.9	273.8	281.0	287.5	293.5	298.7	303.3	307.1	310.3
82.5°	416.6	432.8	447.8	461.8	474.6	486.4	496.9	506.2	514.4	521.3	527.0
80°	601.3	624.5	646.0	666.1	684.5	701.3	716.4	729.8	741.5	751.4	759.6
77.5°	793.2	820.6	846.2	870.0	891.9	911.8	929.8	945.7	959.6	971.4	981.1
75°	975.1	1010.3	1048.2	1083.3	1115.6	1145.1	1171.7	1195.3	1215.8	1233.3	1247.7
72.5°	1191.9	1239.4	1284.6	1329.1	1370.1	1407.5	1441.2	1471.2	1497.3	1519.5	1537.7
70°	1424.2	1483.1	1538.2	1593.4	1650.7	1702.9	1750.0	1791.9	1828.3	1859.4	1884.9
67.5°	1681.1	1761.8	1837.5	1907.9	1984.3	2059.7	2127.7	2188.2	2240.9	2285.8	2322.7
65°	1977.1	2092.0	2199.7	2300.0	2393.7	2503.9	2603.4	2691.9	2769.2	2834.9	2889.0
62.5°	2338.3	2488.9	2644.5	2789.5	2923.5	3059.4	3194.7	3315.1	3420.3	3509.9	3583.7
60°	2789.5	2971.9	3178.2	3373.5	3554.0	3719.5	3878.1	4019.3	4142.7	4247.9	4334.6
57.5°	3310.5	3554.0	3787.1	4013.9	4223.8	4416.1	4587.4	4738.2	4870.2	4982.8	5075.5
55°	3878.1	4158.7	4422.9	4664.8	4887.2	5091.3	5272.8	5421.2	5551.2	5662.2	5753.7
52.5°	4462.5	4758.2	5036.3	5291.1	5508.3	5707.9	5889.0	6036.6	6163.3	6271.5	6360.9
50°	5022.8	5330.6	5600.4	5853.4	6070.2	6263.4	6439.0	6589.1	6714.0	6820.9	6909.1
47.5°	5539.6	5846.3	6113.1	6356.4	6577.3	6766.5	6938.7	7090.9	7214.9	7321.1	7408.9
45°	6013.6	6306.6	6578.5	6815.4	7036.5	7225.6	7395.7	7548.4	7665.3	7763.2	7844.3
42.5°	6437.6	6728.8	6998.1	7236.1	7453.0	7640.7	7796.4	7936.5	8051.8	8145.4	8223.0
40°	6820.2	7117.2	7379.7	7618.6	7816.0	7998.2	8146.0	8279.3	8392.9	8481.6	8555.3
37.5°	7174.3	7467.0	7719.3	7944.1	8135.8	8309.0	8454.9	8580.6	8691.6	8771.9	8838.9
35°	7496.3	7770.2	8018.4	8229.5	8420.2	8582.5	8724.9	8838.2	8939.0	9018.7	9083.1
32.5°	7770.2	8041.5	8276.9	8483.9	8669.5	8817.9	8952.2	9061.3	9157.8	9233.1	9288.5
30°	8018.4	8276.9	8505.4	8709.6	8874.8	9022.1	9149.7	9252.6	9335.2	9403.7	9451.2
27.5°	8229.5	8483.9	8709.6	8893.9	9057.1	9203.3	9311.6	9406.6	9476.9	9538.5	9579.6
25°	8420.2	8669.5	8874.8	9057.1	9217.7	9341.6	9443.3	9527.5	9590.0	9643.1	9674.1
22.5°	8582.5	8817.9	9022.1	9203.3	9341.6	9455.7	9550.3	9621.9	9673.7	9706.7	9726.4
20°	8724.9	8952.2	9149.7	9311.6	9443.3	9550.3	9632.7	9686.6	9723.7	9735.8	9742.7
17.5°	8838.2	9061.3	9252.6	9406.6	9527.5	9621.9	9686.6	9726.0	9740.7	9737.2	9728.9
15°	8939.0	9157.8	9335.2	9476.9	9590.0	9673.7	9723.7	9740.7	9735.3	9716.9	9687.2
12.5°	9018.7	9233.1	9403.7	9538.5	9643.1	9706.7	9735.8	9737.2	9716.9	9680.0	9642.8
10°	9083.1	9288.5	9451.2	9579.6	9674.1	9726.4	9742.7	9728.9	9687.2	9642.8	9606.3
7.5°	9134.0	9332.5	9489.0	9612.3	9694.7	9734.0	9736.7	9708.0	9660.3	9613.5	9579.5
5°	9170.9	9364.5	9516.5	9636.3	9709.8	9739.6	9732.1	9691.5	9639.0	9595.5	9556.3
2.5°	9193.2	9383.8	9533.2	9650.8	9719.0	9743.0	9729.3	9681.3	9625.6	9583.9	9541.0
0°	9200.7	9390.3	9538.8	9655.7	9722.1	9744.2	9728.4	9677.8	9621.0	9579.9	9535.6
-2.5°	9193.2	9383.8	9533.2	9650.8	9719.0	9743.0	9729.3	9681.3	9625.6	9583.9	9541.0
-5°	9170.9	9364.5	9516.5	9636.3	9709.8	9739.6	9732.1	9691.5	9639.0	9595.5	9556.3
-7.5°	9134.0	9332.5	9489.0	9612.3	9694.7	9734.0	9736.7	9708.0	9660.3	9613.5	9579.5
-10°	9083.1	9288.5	9451.2	9579.6	9674.1	9726.4	9742.7	9728.9	9687.2	9642.8	9606.3
-12.5°	9018.7	9233.1	9403.7	9538.5	9643.1	9706.7	9735.8	9737.2	9716.9	9680.0	9642.8
-15°	8939.0	9157.8	9335.2	9476.9	9590.0	9673.7	9723.7	9740.7	9735.3	9716.9	9687.2



REPORT NUMBER: P687828 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-LAM

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8582.5	8817.9	9022.1	9203.3	9341.6	9455.7	9550.3	9621.9	9673.7	9706.7	9726.4
-25°	8420.2	8669.5	8874.8	9057.1	9217.7	9341.6	9443.3	9527.5	9590.0	9643.1	9674.1
-27.5°	8229.5	8483.9	8709.6	8893.9	9057.1	9203.3	9311.6	9406.6	9476.9	9538.5	9579.6
-30°	8018.4	8276.9	8505.4	8709.6	8874.8	9022.1	9149.7	9252.6	9335.2	9403.7	9451.2
-32.5°	7770.2	8041.5	8276.9	8483.9	8669.5	8817.9	8952.2	9061.3	9157.8	9233.1	9288.5
-35°	7496.3	7770.2	8018.4	8229.5	8420.2	8582.5	8724.9	8838.2	8939.0	9018.7	9083.1
-37.5°	7174.3	7467.0	7719.3	7944.1	8135.8	8309.0	8454.9	8580.6	8691.6	8771.9	8838.9
-40°	6820.2	7117.2	7379.7	7618.6	7816.0	7998.2	8146.0	8279.3	8392.9	8481.6	8555.3
-42.5°	6437.6	6728.8	6998.1	7236.1	7453.0	7640.7	7796.4	7936.5	8051.8	8145.4	8223.0
-45°	6013.6	6306.6	6578.5	6815.4	7036.5	7225.6	7395.7	7548.4	7665.3	7763.2	7844.3
-47.5°	5539.6	5846.3	6113.1	6356.4	6577.3	6766.5	6938.7	7090.9	7214.9	7321.1	7408.9
-50°	5022.8	5330.6	5600.4	5853.4	6070.2	6263.4	6439.0	6589.1	6714.0	6820.9	6909.1
-52.5°	4462.5	4758.2	5036.3	5291.1	5508.3	5707.9	5889.0	6036.6	6163.3	6271.5	6360.9
-55°	3878.1	4158.7	4422.9	4664.8	4887.2	5091.3	5272.8	5421.2	5551.2	5662.2	5753.7
-57.5°	3310.5	3554.0	3787.1	4013.9	4223.8	4416.1	4587.4	4738.2	4870.2	4982.8	5075.5
-60°	2789.5	2971.9	3178.2	3373.5	3554.0	3719.5	3878.1	4019.3	4142.7	4247.9	4334.6
-62.5°	2338.3	2488.9	2644.5	2789.5	2923.5	3059.4	3194.7	3315.1	3420.3	3509.9	3583.7
-65°	1977.1	2092.0	2199.7	2300.0	2393.7	2503.9	2603.4	2691.9	2769.2	2834.9	2889.0
-67.5°	1681.1	1761.8	1837.5	1907.9	1984.3	2059.7	2127.7	2188.2	2240.9	2285.8	2322.7
-70°	1424.2	1483.1	1538.2	1593.4	1650.7	1702.9	1750.0	1791.9	1828.3	1859.4	1884.9
-72.5°	1191.9	1239.4	1284.6	1329.1	1370.1	1407.5	1441.2	1471.2	1497.3	1519.5	1537.7
-75°	975.1	1010.3	1048.2	1083.3	1115.6	1145.1	1171.7	1195.3	1215.8	1233.3	1247.7
-77.5°	793.2	820.6	846.2	870.0	891.9	911.8	929.8	945.7	959.6	971.4	981.1
-80°	601.3	624.5	646.0	666.1	684.5	701.3	716.4	729.8	741.5	751.4	759.6
-82.5°	416.6	432.8	447.8	461.8	474.6	486.4	496.9	506.2	514.4	521.3	527.0
-85°	248.4	257.5	265.9	273.8	281.0	287.5	293.5	298.7	303.3	307.1	310.3
-87.5°	106.1	109.2	112.1	114.9	117.4	119.6	121.7	123.5	125.1	126.4	127.5
-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: P687828 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-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°	128.4	129.0	129.4	129.5	129.4	129.0	128.4	127.5	126.4	125.1	123.5
85°	312.8	314.6	315.6	316.0	315.6	314.6	312.8	310.3	307.1	303.3	298.7
82.5°	531.4	534.6	536.5	537.1	536.5	534.6	531.4	527.0	521.3	514.4	506.2
80°	765.9	770.5	773.2	774.1	773.2	770.5	765.9	759.6	751.4	741.5	729.8
77.5°	988.7	994.1	997.3	998.4	997.3	994.1	988.7	981.1	971.4	959.6	945.7
75°	1258.9	1266.9	1271.7	1273.3	1271.7	1266.9	1258.9	1247.7	1233.3	1215.8	1195.3
72.5°	1551.9	1562.1	1568.3	1570.3	1568.3	1562.1	1551.9	1537.7	1519.5	1497.3	1471.2
70°	1904.8	1919.1	1927.6	1930.5	1927.6	1919.1	1904.8	1884.9	1859.4	1828.3	1791.9
67.5°	2351.5	2372.2	2384.6	2388.7	2384.6	2372.2	2351.5	2322.7	2285.8	2240.9	2188.2
65°	2931.3	2961.5	2979.7	2985.8	2979.7	2961.5	2931.3	2889.0	2834.9	2769.2	2691.9
62.5°	3641.3	3682.6	3707.4	3715.7	3707.4	3682.6	3641.3	3583.7	3509.9	3420.3	3315.1
60°	4402.3	4450.8	4480.1	4489.8	4480.1	4450.8	4402.3	4334.6	4247.9	4142.7	4019.3
57.5°	5148.0	5200.1	5231.4	5241.8	5231.4	5200.1	5148.0	5075.5	4982.8	4870.2	4738.2
55°	5825.3	5876.7	5907.6	5917.9	5907.6	5876.7	5825.3	5753.7	5662.2	5551.2	5421.2
52.5°	6430.8	6481.1	6511.3	6521.4	6511.3	6481.1	6430.8	6360.9	6271.5	6163.3	6036.6
50°	6978.3	7028.1	7058.0	7068.0	7058.0	7028.1	6978.3	6909.1	6820.9	6714.0	6589.1
47.5°	7477.8	7527.4	7557.2	7567.2	7557.2	7527.4	7477.8	7408.9	7321.1	7214.9	7090.9
45°	7907.9	7953.7	7981.4	7990.6	7981.4	7953.7	7907.9	7844.3	7763.2	7665.3	7548.4
42.5°	8284.0	8328.0	8354.5	8363.4	8354.5	8328.0	8284.0	8223.0	8145.4	8051.8	7936.5
40°	8613.3	8655.2	8680.4	8688.9	8680.4	8655.2	8613.3	8555.3	8481.6	8392.9	8279.3
37.5°	8891.7	8929.8	8952.9	8960.6	8952.9	8929.8	8891.7	8838.9	8771.9	8691.6	8580.6
35°	9134.0	9170.9	9193.2	9200.7	9193.2	9170.9	9134.0	9083.1	9018.7	8939.0	8838.2
32.5°	9332.5	9364.5	9383.8	9390.3	9383.8	9364.5	9332.5	9288.5	9233.1	9157.8	9061.3
30°	9489.0	9516.5	9533.2	9538.8	9533.2	9516.5	9489.0	9451.2	9403.7	9335.2	9252.6
27.5°	9612.3	9636.3	9650.8	9655.7	9650.8	9636.3	9612.3	9579.6	9538.5	9476.9	9406.6
25°	9694.7	9709.8	9719.0	9722.1	9719.0	9709.8	9694.7	9674.1	9643.1	9590.0	9527.5
22.5°	9734.0	9739.6	9743.0	9744.2	9743.0	9739.6	9734.0	9726.4	9706.7	9673.7	9621.9
20°	9736.7	9732.1	9729.3	9728.4	9729.3	9732.1	9736.7	9742.7	9735.8	9723.7	9686.6
17.5°	9708.0	9691.5	9681.3	9677.8	9681.3	9691.5	9708.0	9728.9	9737.2	9740.7	9726.0
15°	9660.3	9639.0	9625.6	9621.0	9625.6	9639.0	9660.3	9687.2	9716.9	9735.3	9740.7
12.5°	9613.5	9595.5	9583.9	9579.9	9583.9	9595.5	9613.5	9642.8	9680.0	9716.9	9737.2
10°	9579.5	9556.3	9541.0	9535.6	9541.0	9556.3	9579.5	9606.3	9642.8	9687.2	9728.9
7.5°	9546.1	9521.8	9506.5	9500.9	9506.5	9521.8	9546.1	9579.5	9613.5	9660.3	9708.0
5°	9521.8	9497.1	9484.0	9478.8	9484.0	9497.1	9521.8	9556.3	9595.5	9639.0	9691.5
2.5°	9506.5	9484.0	9473.2	9469.3	9473.2	9484.0	9506.5	9541.0	9583.9	9625.6	9681.3
0°	9500.9	9478.8	9469.3	9463.0	9469.3	9478.8	9500.9	9535.6	9579.9	9621.0	9677.8
-2.5°	9506.5	9484.0	9473.2	9469.3	9473.2	9484.0	9506.5	9541.0	9583.9	9625.6	9681.3
-5°	9521.8	9497.1	9484.0	9478.8	9484.0	9497.1	9521.8	9556.3	9595.5	9639.0	9691.5
-7.5°	9546.1	9521.8	9506.5	9500.9	9506.5	9521.8	9546.1	9579.5	9613.5	9660.3	9708.0
-10°	9579.5	9556.3	9541.0	9535.6	9541.0	9556.3	9579.5	9606.3	9642.8	9687.2	9728.9
-12.5°	9613.5	9595.5	9583.9	9579.9	9583.9	9595.5	9613.5	9642.8	9680.0	9716.9	9737.2
-15°	9660.3	9639.0	9625.6	9621.0	9625.6	9639.0	9660.3	9687.2	9716.9	9735.3	9740.7



REPORT NUMBER: P687828 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-LAM

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9734.0	9739.6	9743.0	9744.2	9743.0	9739.6	9734.0	9726.4	9706.7	9673.7	9621.9
-25°	9694.7	9709.8	9719.0	9722.1	9719.0	9709.8	9694.7	9674.1	9643.1	9590.0	9527.5
-27.5°	9612.3	9636.3	9650.8	9655.7	9650.8	9636.3	9612.3	9579.6	9538.5	9476.9	9406.6
-30°	9489.0	9516.5	9533.2	9538.8	9533.2	9516.5	9489.0	9451.2	9403.7	9335.2	9252.6
-32.5°	9332.5	9364.5	9383.8	9390.3	9383.8	9364.5	9332.5	9288.5	9233.1	9157.8	9061.3
-35°	9134.0	9170.9	9193.2	9200.7	9193.2	9170.9	9134.0	9083.1	9018.7	8939.0	8838.2
-37.5°	8891.7	8929.8	8952.9	8960.6	8952.9	8929.8	8891.7	8838.9	8771.9	8691.6	8580.6
-40°	8613.3	8655.2	8680.4	8688.9	8680.4	8655.2	8613.3	8555.3	8481.6	8392.9	8279.3
-42.5°	8284.0	8328.0	8354.5	8363.4	8354.5	8328.0	8284.0	8223.0	8145.4	8051.8	7936.5
-45°	7907.9	7953.7	7981.4	7990.6	7981.4	7953.7	7907.9	7844.3	7763.2	7665.3	7548.4
-47.5°	7477.8	7527.4	7557.2	7567.2	7557.2	7527.4	7477.8	7408.9	7321.1	7214.9	7090.9
-50°	6978.3	7028.1	7058.0	7068.0	7058.0	7028.1	6978.3	6909.1	6820.9	6714.0	6589.1
-52.5°	6430.8	6481.1	6511.3	6521.4	6511.3	6481.1	6430.8	6360.9	6271.5	6163.3	6036.6
-55°	5825.3	5876.7	5907.6	5917.9	5907.6	5876.7	5825.3	5753.7	5662.2	5551.2	5421.2
-57.5°	5148.0	5200.1	5231.4	5241.8	5231.4	5200.1	5148.0	5075.5	4982.8	4870.2	4738.2
-60°	4402.3	4450.8	4480.1	4489.8	4480.1	4450.8	4402.3	4334.6	4247.9	4142.7	4019.3
-62.5°	3641.3	3682.6	3707.4	3715.7	3707.4	3682.6	3641.3	3583.7	3509.9	3420.3	3315.1
-65°	2931.3	2961.5	2979.7	2985.8	2979.7	2961.5	2931.3	2889.0	2834.9	2769.2	2691.9
-67.5°	2351.5	2372.2	2384.6	2388.7	2384.6	2372.2	2351.5	2322.7	2285.8	2240.9	2188.2
-70°	1904.8	1919.1	1927.6	1930.5	1927.6	1919.1	1904.8	1884.9	1859.4	1828.3	1791.9
-72.5°	1551.9	1562.1	1568.3	1570.3	1568.3	1562.1	1551.9	1537.7	1519.5	1497.3	1471.2
-75°	1258.9	1266.9	1271.7	1273.3	1271.7	1266.9	1258.9	1247.7	1233.3	1215.8	1195.3
-77.5°	988.7	994.1	997.3	998.4	997.3	994.1	988.7	981.1	971.4	959.6	945.7
-80°	765.9	770.5	773.2	774.1	773.2	770.5	765.9	759.6	751.4	741.5	729.8
-82.5°	531.4	534.6	536.5	537.1	536.5	534.6	531.4	527.0	521.3	514.4	506.2
-85°	312.8	314.6	315.6	316.0	315.6	314.6	312.8	310.3	307.1	303.3	298.7
-87.5°	128.4	129.0	129.4	129.5	129.4	129.0	128.4	127.5	126.4	125.1	123.5
-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: P687828 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-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°	121.7	119.6	117.4	114.9	112.1	109.2	106.1	102.7	99.2	95.5	91.6
85°	293.5	287.5	281.0	273.8	265.9	257.5	248.4	238.8	228.6	217.8	206.6
82.5°	496.9	486.4	474.6	461.8	447.8	432.8	416.6	399.5	381.3	362.2	342.2
80°	716.4	701.3	684.5	666.1	646.0	624.5	601.3	576.8	550.8	524.3	497.6
77.5°	929.8	911.8	891.9	870.0	846.2	820.6	793.2	763.4	730.9	696.6	660.7
75°	1171.7	1145.1	1115.6	1083.3	1048.2	1010.3	975.1	940.0	902.9	863.9	823.0
72.5°	1441.2	1407.5	1370.1	1329.1	1284.6	1239.4	1191.9	1141.6	1088.3	1032.4	978.4
70°	1750.0	1702.9	1650.7	1593.4	1538.2	1483.1	1424.2	1361.7	1295.7	1229.9	1162.8
67.5°	2127.7	2059.7	1984.3	1907.9	1837.5	1761.8	1681.1	1595.4	1516.5	1438.2	1356.4
65°	2603.4	2503.9	2393.7	2300.0	2199.7	2092.0	1977.1	1871.4	1770.5	1664.7	1557.0
62.5°	3194.7	3059.4	2923.5	2789.5	2644.5	2488.9	2338.3	2203.5	2061.5	1916.6	1794.6
60°	3878.1	3719.5	3554.0	3373.5	3178.2	2971.9	2789.5	2596.6	2393.7	2229.6	2059.7
57.5°	4587.4	4416.1	4223.8	4013.9	3787.1	3554.0	3310.5	3053.2	2819.8	2588.6	2357.4
55°	5272.8	5091.3	4887.2	4664.8	4422.9	4158.7	3878.1	3589.6	3296.6	2990.7	2729.6
52.5°	5889.0	5707.9	5508.3	5291.1	5036.3	4758.2	4462.5	4142.7	3807.6	3472.9	3130.8
50°	6439.0	6263.4	6070.2	5853.4	5600.4	5330.6	5022.8	4688.6	4334.6	3959.9	3579.7
47.5°	6938.7	6766.5	6577.3	6356.4	6113.1	5846.3	5539.6	5214.9	4840.8	4450.8	4036.6
45°	7395.7	7225.6	7036.5	6815.4	6578.5	6306.6	6013.6	5681.0	5322.3	4917.5	4489.8
42.5°	7796.4	7640.7	7453.0	7236.1	6998.1	6728.8	6437.6	6110.4	5752.3	5357.4	4917.5
40°	8146.0	7998.2	7816.0	7618.6	7379.7	7117.2	6820.2	6503.7	6142.9	5752.3	5322.3
37.5°	8454.9	8309.0	8135.8	7944.1	7719.3	7467.0	7174.3	6850.8	6503.7	6110.4	5681.0
35°	8724.9	8582.5	8420.2	8229.5	8018.4	7770.2	7496.3	7174.3	6820.2	6437.6	6013.6
32.5°	8952.2	8817.9	8669.5	8483.9	8276.9	8041.5	7770.2	7467.0	7117.2	6728.8	6306.6
30°	9149.7	9022.1	8874.8	8709.6	8505.4	8276.9	8018.4	7719.3	7379.7	6998.1	6578.5
27.5°	9311.6	9203.3	9057.1	8893.9	8709.6	8483.9	8229.5	7944.1	7618.6	7236.1	6815.4
25°	9443.3	9341.6	9217.7	9057.1	8874.8	8669.5	8420.2	8135.8	7816.0	7453.0	7036.5
22.5°	9550.3	9455.7	9341.6	9203.3	9022.1	8817.9	8582.5	8309.0	7998.2	7640.7	7225.6
20°	9632.7	9550.3	9443.3	9311.6	9149.7	8952.2	8724.9	8454.9	8146.0	7796.4	7395.7
17.5°	9686.6	9621.9	9527.5	9406.6	9252.6	9061.3	8838.2	8580.6	8279.3	7936.5	7548.4
15°	9723.7	9673.7	9590.0	9476.9	9335.2	9157.8	8939.0	8691.6	8392.9	8051.8	7665.3
12.5°	9735.8	9706.7	9643.1	9538.5	9403.7	9233.1	9018.7	8771.9	8481.6	8145.4	7763.2
10°	9742.7	9726.4	9674.1	9579.6	9451.2	9288.5	9083.1	8838.9	8555.3	8223.0	7844.3
7.5°	9736.7	9734.0	9694.7	9612.3	9489.0	9332.5	9134.0	8891.7	8613.3	8284.0	7907.9
5°	9732.1	9739.6	9709.8	9636.3	9516.5	9364.5	9170.9	8929.8	8655.2	8328.0	7953.7
2.5°	9729.3	9743.0	9719.0	9650.8	9533.2	9383.8	9193.2	8952.9	8680.4	8354.5	7981.4
0°	9728.4	9744.2	9722.1	9655.7	9538.8	9390.3	9200.7	8960.6	8688.9	8363.4	7990.6
-2.5°	9729.3	9743.0	9719.0	9650.8	9533.2	9383.8	9193.2	8952.9	8680.4	8354.5	7981.4
-5°	9732.1	9739.6	9709.8	9636.3	9516.5	9364.5	9170.9	8929.8	8655.2	8328.0	7953.7
-7.5°	9736.7	9734.0	9694.7	9612.3	9489.0	9332.5	9134.0	8891.7	8613.3	8284.0	7907.9
-10°	9742.7	9726.4	9674.1	9579.6	9451.2	9288.5	9083.1	8838.9	8555.3	8223.0	7844.3
-12.5°	9735.8	9706.7	9643.1	9538.5	9403.7	9233.1	9018.7	8771.9	8481.6	8145.4	7763.2
-15°	9723.7	9673.7	9590.0	9476.9	9335.2	9157.8	8939.0	8691.6	8392.9	8051.8	7665.3



REPORT NUMBER: P687828 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-LAM

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9550.3	9455.7	9341.6	9203.3	9022.1	8817.9	8582.5	8309.0	7998.2	7640.7	7225.6
-25°	9443.3	9341.6	9217.7	9057.1	8874.8	8669.5	8420.2	8135.8	7816.0	7453.0	7036.5
-27.5°	9311.6	9203.3	9057.1	8893.9	8709.6	8483.9	8229.5	7944.1	7618.6	7236.1	6815.4
-30°	9149.7	9022.1	8874.8	8709.6	8505.4	8276.9	8018.4	7719.3	7379.7	6998.1	6578.5
-32.5°	8952.2	8817.9	8669.5	8483.9	8276.9	8041.5	7770.2	7467.0	7117.2	6728.8	6306.6
-35°	8724.9	8582.5	8420.2	8229.5	8018.4	7770.2	7496.3	7174.3	6820.2	6437.6	6013.6
-37.5°	8454.9	8309.0	8135.8	7944.1	7719.3	7467.0	7174.3	6850.8	6503.7	6110.4	5681.0
-40°	8146.0	7998.2	7816.0	7618.6	7379.7	7117.2	6820.2	6503.7	6142.9	5752.3	5322.3
-42.5°	7796.4	7640.7	7453.0	7236.1	6998.1	6728.8	6437.6	6110.4	5752.3	5357.4	4917.5
-45°	7395.7	7225.6	7036.5	6815.4	6578.5	6306.6	6013.6	5681.0	5322.3	4917.5	4489.8
-47.5°	6938.7	6766.5	6577.3	6356.4	6113.1	5846.3	5539.6	5214.9	4840.8	4450.8	4036.6
-50°	6439.0	6263.4	6070.2	5853.4	5600.4	5330.6	5022.8	4688.6	4334.6	3959.9	3579.7
-52.5°	5889.0	5707.9	5508.3	5291.1	5036.3	4758.2	4462.5	4142.7	3807.6	3472.9	3130.8
-55°	5272.8	5091.3	4887.2	4664.8	4422.9	4158.7	3878.1	3589.6	3296.6	2990.7	2729.6
-57.5°	4587.4	4416.1	4223.8	4013.9	3787.1	3554.0	3310.5	3053.2	2819.8	2588.6	2357.4
-60°	3878.1	3719.5	3554.0	3373.5	3178.2	2971.9	2789.5	2596.6	2393.7	2229.6	2059.7
-62.5°	3194.7	3059.4	2923.5	2789.5	2644.5	2488.9	2338.3	2203.5	2061.5	1916.6	1794.6
-65°	2603.4	2503.9	2393.7	2300.0	2199.7	2092.0	1977.1	1871.4	1770.5	1664.7	1557.0
-67.5°	2127.7	2059.7	1984.3	1907.9	1837.5	1761.8	1681.1	1595.4	1516.5	1438.2	1356.4
-70°	1750.0	1702.9	1650.7	1593.4	1538.2	1483.1	1424.2	1361.7	1295.7	1229.9	1162.8
-72.5°	1441.2	1407.5	1370.1	1329.1	1284.6	1239.4	1191.9	1141.6	1088.3	1032.4	978.4
-75°	1171.7	1145.1	1115.6	1083.3	1048.2	1010.3	975.1	940.0	902.9	863.9	823.0
-77.5°	929.8	911.8	891.9	870.0	846.2	820.6	793.2	763.4	730.9	696.6	660.7
-80°	716.4	701.3	684.5	666.1	646.0	624.5	601.3	576.8	550.8	524.3	497.6
-82.5°	496.9	486.4	474.6	461.8	447.8	432.8	416.6	399.5	381.3	362.2	342.2
-85°	293.5	287.5	281.0	273.8	265.9	257.5	248.4	238.8	228.6	217.8	206.6
-87.5°	121.7	119.6	117.4	114.9	112.1	109.2	106.1	102.7	99.2	95.5	91.6
-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: P687828 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-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°	87.5	83.2	78.8	74.3	69.6	64.7	59.8	54.7	49.5	44.3	38.9
85°	194.8	182.6	169.9	156.8	143.2	129.4	119.5	109.3	99.0	88.5	77.8
82.5°	321.2	302.0	283.0	263.3	243.0	222.2	200.8	178.9	156.6	133.9	116.5
80°	469.6	440.6	410.5	379.3	347.3	314.6	286.1	257.0	227.2	197.0	166.3
77.5°	623.2	584.2	543.9	504.5	464.4	423.3	381.1	338.0	297.4	259.7	221.4
75°	780.4	734.0	685.5	635.4	583.9	531.4	480.8	429.2	376.5	322.9	276.0
72.5°	928.5	876.8	823.3	767.6	707.5	645.9	582.7	519.5	458.2	395.9	332.6
70°	1092.9	1020.4	955.1	891.9	827.0	759.6	687.5	614.0	539.1	467.9	395.9
67.5°	1271.5	1189.7	1105.2	1018.1	941.5	866.6	790.1	708.4	624.4	539.1	458.2
65°	1462.2	1363.9	1263.2	1166.5	1067.1	971.4	886.5	800.0	708.4	614.0	519.5
62.5°	1667.8	1542.5	1430.8	1315.8	1203.5	1091.7	981.4	886.5	790.1	687.5	582.7
60°	1893.4	1750.0	1602.1	1471.2	1342.7	1215.8	1091.7	971.4	866.6	759.6	645.9
57.5°	2165.9	1968.0	1799.7	1635.1	1484.7	1342.7	1203.5	1067.1	941.5	827.0	707.5
55°	2460.2	2230.1	2010.5	1816.3	1635.1	1471.2	1315.8	1166.5	1018.1	891.9	767.6
52.5°	2815.0	2516.6	2251.6	2010.5	1799.7	1602.1	1430.8	1263.2	1105.2	955.1	823.3
50°	3201.3	2843.6	2516.6	2230.1	1968.0	1750.0	1542.5	1363.9	1189.7	1020.4	876.8
47.5°	3615.4	3201.3	2815.0	2460.2	2165.9	1893.4	1667.8	1462.2	1271.5	1092.9	928.5
45°	4036.6	3579.7	3130.8	2729.6	2357.4	2059.7	1794.6	1557.0	1356.4	1162.8	978.4
42.5°	4450.8	3959.9	3472.9	2990.7	2588.6	2229.6	1916.6	1664.7	1438.2	1229.9	1032.4
40°	4840.8	4334.6	3807.6	3296.6	2819.8	2393.7	2061.5	1770.5	1516.5	1295.7	1088.3
37.5°	5214.9	4688.6	4142.7	3589.6	3053.2	2596.6	2203.5	1871.4	1595.4	1361.7	1141.6
35°	5539.6	5022.8	4462.5	3878.1	3310.5	2789.5	2338.3	1977.1	1681.1	1424.2	1191.9
32.5°	5846.3	5330.6	4758.2	4158.7	3554.0	2971.9	2488.9	2092.0	1761.8	1483.1	1239.4
30°	6113.1	5600.4	5036.3	4422.9	3787.1	3178.2	2644.5	2199.7	1837.5	1538.2	1284.6
27.5°	6356.4	5853.4	5291.1	4664.8	4013.9	3373.5	2789.5	2300.0	1907.9	1593.4	1329.1
25°	6577.3	6070.2	5508.3	4887.2	4223.8	3554.0	2923.5	2393.7	1984.3	1650.7	1370.1
22.5°	6766.5	6263.4	5707.9	5091.3	4416.1	3719.5	3059.4	2503.9	2059.7	1702.9	1407.5
20°	6938.7	6439.0	5889.0	5272.8	4587.4	3878.1	3194.7	2603.4	2127.7	1750.0	1441.2
17.5°	7090.9	6589.1	6036.6	5421.2	4738.2	4019.3	3315.1	2691.9	2188.2	1791.9	1471.2
15°	7214.9	6714.0	6163.3	5551.2	4870.2	4142.7	3420.3	2769.2	2240.9	1828.3	1497.3
12.5°	7321.1	6820.9	6271.5	5662.2	4982.8	4247.9	3509.9	2834.9	2285.8	1859.4	1519.5
10°	7408.9	6909.1	6360.9	5753.7	5075.5	4334.6	3583.7	2889.0	2322.7	1884.9	1537.7
7.5°	7477.8	6978.3	6430.8	5825.3	5148.0	4402.3	3641.3	2931.3	2351.5	1904.8	1551.9
5°	7527.4	7028.1	6481.1	5876.7	5200.1	4450.8	3682.6	2961.5	2372.2	1919.1	1562.1
2.5°	7557.2	7058.0	6511.3	5907.6	5231.4	4480.1	3707.4	2979.7	2384.6	1927.6	1568.3
0°	7567.2	7068.0	6521.4	5917.9	5241.8	4489.8	3715.7	2985.8	2388.7	1930.5	1570.3
-2.5°	7557.2	7058.0	6511.3	5907.6	5231.4	4480.1	3707.4	2979.7	2384.6	1927.6	1568.3
-5°	7527.4	7028.1	6481.1	5876.7	5200.1	4450.8	3682.6	2961.5	2372.2	1919.1	1562.1
-7.5°	7477.8	6978.3	6430.8	5825.3	5148.0	4402.3	3641.3	2931.3	2351.5	1904.8	1551.9
-10°	7408.9	6909.1	6360.9	5753.7	5075.5	4334.6	3583.7	2889.0	2322.7	1884.9	1537.7
-12.5°	7321.1	6820.9	6271.5	5662.2	4982.8	4247.9	3509.9	2834.9	2285.8	1859.4	1519.5
-15°	7214.9	6714.0	6163.3	5551.2	4870.2	4142.7	3420.3	2769.2	2240.9	1828.3	1497.3



REPORT NUMBER: P687828 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-LAM

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6766.5	6263.4	5707.9	5091.3	4416.1	3719.5	3059.4	2503.9	2059.7	1702.9	1407.5
-25°	6577.3	6070.2	5508.3	4887.2	4223.8	3554.0	2923.5	2393.7	1984.3	1650.7	1370.1
-27.5°	6356.4	5853.4	5291.1	4664.8	4013.9	3373.5	2789.5	2300.0	1907.9	1593.4	1329.1
-30°	6113.1	5600.4	5036.3	4422.9	3787.1	3178.2	2644.5	2199.7	1837.5	1538.2	1284.6
-32.5°	5846.3	5330.6	4758.2	4158.7	3554.0	2971.9	2488.9	2092.0	1761.8	1483.1	1239.4
-35°	5539.6	5022.8	4462.5	3878.1	3310.5	2789.5	2338.3	1977.1	1681.1	1424.2	1191.9
-37.5°	5214.9	4688.6	4142.7	3589.6	3053.2	2596.6	2203.5	1871.4	1595.4	1361.7	1141.6
-40°	4840.8	4334.6	3807.6	3296.6	2819.8	2393.7	2061.5	1770.5	1516.5	1295.7	1088.3
-42.5°	4450.8	3959.9	3472.9	2990.7	2588.6	2229.6	1916.6	1664.7	1438.2	1229.9	1032.4
-45°	4036.6	3579.7	3130.8	2729.6	2357.4	2059.7	1794.6	1557.0	1356.4	1162.8	978.4
-47.5°	3615.4	3201.3	2815.0	2460.2	2165.9	1893.4	1667.8	1462.2	1271.5	1092.9	928.5
-50°	3201.3	2843.6	2516.6	2230.1	1968.0	1750.0	1542.5	1363.9	1189.7	1020.4	876.8
-52.5°	2815.0	2516.6	2251.6	2010.5	1799.7	1602.1	1430.8	1263.2	1105.2	955.1	823.3
-55°	2460.2	2230.1	2010.5	1816.3	1635.1	1471.2	1315.8	1166.5	1018.1	891.9	767.6
-57.5°	2165.9	1968.0	1799.7	1635.1	1484.7	1342.7	1203.5	1067.1	941.5	827.0	707.5
-60°	1893.4	1750.0	1602.1	1471.2	1342.7	1215.8	1091.7	971.4	866.6	759.6	645.9
-62.5°	1667.8	1542.5	1430.8	1315.8	1203.5	1091.7	981.4	886.5	790.1	687.5	582.7
-65°	1462.2	1363.9	1263.2	1166.5	1067.1	971.4	886.5	800.0	708.4	614.0	519.5
-67.5°	1271.5	1189.7	1105.2	1018.1	941.5	866.6	790.1	708.4	624.4	539.1	458.2
-70°	1092.9	1020.4	955.1	891.9	827.0	759.6	687.5	614.0	539.1	467.9	395.9
-72.5°	928.5	876.8	823.3	767.6	707.5	645.9	582.7	519.5	458.2	395.9	332.6
-75°	780.4	734.0	685.5	635.4	583.9	531.4	480.8	429.2	376.5	322.9	276.0
-77.5°	623.2	584.2	543.9	504.5	464.4	423.3	381.1	338.0	297.4	259.7	221.4
-80°	469.6	440.6	410.5	379.3	347.3	314.6	286.1	257.0	227.2	197.0	166.3
-82.5°	321.2	302.0	283.0	263.3	243.0	222.2	200.8	178.9	156.6	133.9	116.5
-85°	194.8	182.6	169.9	156.8	143.2	129.4	119.5	109.3	99.0	88.5	77.8
-87.5°	87.5	83.2	78.8	74.3	69.6	64.7	59.8	54.7	49.5	44.3	38.9
-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: P687828 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-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°	33.5	28.0	22.5	16.9	11.3	5.6	0.0
85°	67.0	56.0	44.9	33.8	22.5	11.3	0.0
82.5°	100.3	83.9	67.3	50.6	33.8	16.9	0.0
80°	135.2	111.6	89.5	67.3	44.9	22.5	0.0
77.5°	182.6	143.3	111.6	83.9	56.0	28.0	0.0
75°	229.5	182.6	135.2	100.3	67.0	33.5	0.0
72.5°	276.0	221.4	166.3	116.5	77.8	38.9	0.0
70°	322.9	259.7	197.0	133.9	88.5	44.3	0.0
67.5°	376.5	297.4	227.2	156.6	99.0	49.5	0.0
65°	429.2	338.0	257.0	178.9	109.3	54.7	0.0
62.5°	480.8	381.1	286.1	200.8	119.5	59.8	0.0
60°	531.4	423.3	314.6	222.2	129.4	64.7	0.0
57.5°	583.9	464.4	347.3	243.0	143.2	69.6	0.0
55°	635.4	504.5	379.3	263.3	156.8	74.3	0.0
52.5°	685.5	543.9	410.5	283.0	169.9	78.8	0.0
50°	734.0	584.2	440.6	302.0	182.6	83.2	0.0
47.5°	780.4	623.2	469.6	321.2	194.8	87.5	0.0
45°	823.0	660.7	497.6	342.2	206.6	91.6	0.0
42.5°	863.9	696.6	524.3	362.2	217.8	95.5	0.0
40°	902.9	730.9	550.8	381.3	228.6	99.2	0.0
37.5°	940.0	763.4	576.8	399.5	238.8	102.7	0.0
35°	975.1	793.2	601.3	416.6	248.4	106.1	0.0
32.5°	1010.3	820.6	624.5	432.8	257.5	109.2	0.0
30°	1048.2	846.2	646.0	447.8	265.9	112.1	0.0
27.5°	1083.3	870.0	666.1	461.8	273.8	114.9	0.0
25°	1115.6	891.9	684.5	474.6	281.0	117.4	0.0
22.5°	1145.1	911.8	701.3	486.4	287.5	119.6	0.0
20°	1171.7	929.8	716.4	496.9	293.5	121.7	0.0
17.5°	1195.3	945.7	729.8	506.2	298.7	123.5	0.0
15°	1215.8	959.6	741.5	514.4	303.3	125.1	0.0
12.5°	1233.3	971.4	751.4	521.3	307.1	126.4	0.0
10°	1247.7	981.1	759.6	527.0	310.3	127.5	0.0
7.5°	1258.9	988.7	765.9	531.4	312.8	128.4	0.0
5°	1266.9	994.1	770.5	534.6	314.6	129.0	0.0
2.5°	1271.7	997.3	773.2	536.5	315.6	129.4	0.0
0°	1273.3	998.4	774.1	537.1	316.0	129.5	0.0
-2.5°	1271.7	997.3	773.2	536.5	315.6	129.4	0.0
-5°	1266.9	994.1	770.5	534.6	314.6	129.0	0.0
-7.5°	1258.9	988.7	765.9	531.4	312.8	128.4	0.0
-10°	1247.7	981.1	759.6	527.0	310.3	127.5	0.0
-12.5°	1233.3	971.4	751.4	521.3	307.1	126.4	0.0
-15°	1215.8	959.6	741.5	514.4	303.3	125.1	0.0

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REPORT NUMBER: P687828 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-VN-06-E-PRO-3000K-LAM

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1145.1	911.8	701.3	486.4	287.5	119.6	0.0
-25°	1115.6	891.9	684.5	474.6	281.0	117.4	0.0
-27.5°	1083.3	870.0	666.1	461.8	273.8	114.9	0.0
-30°	1048.2	846.2	646.0	447.8	265.9	112.1	0.0
-32.5°	1010.3	820.6	624.5	432.8	257.5	109.2	0.0
-35°	975.1	793.2	601.3	416.6	248.4	106.1	0.0
-37.5°	940.0	763.4	576.8	399.5	238.8	102.7	0.0
-40°	902.9	730.9	550.8	381.3	228.6	99.2	0.0
-42.5°	863.9	696.6	524.3	362.2	217.8	95.5	0.0
-45°	823.0	660.7	497.6	342.2	206.6	91.6	0.0
-47.5°	780.4	623.2	469.6	321.2	194.8	87.5	0.0
-50°	734.0	584.2	440.6	302.0	182.6	83.2	0.0
-52.5°	685.5	543.9	410.5	283.0	169.9	78.8	0.0
-55°	635.4	504.5	379.3	263.3	156.8	74.3	0.0
-57.5°	583.9	464.4	347.3	243.0	143.2	69.6	0.0
-60°	531.4	423.3	314.6	222.2	129.4	64.7	0.0
-62.5°	480.8	381.1	286.1	200.8	119.5	59.8	0.0
-65°	429.2	338.0	257.0	178.9	109.3	54.7	0.0
-67.5°	376.5	297.4	227.2	156.6	99.0	49.5	0.0
-70°	322.9	259.7	197.0	133.9	88.5	44.3	0.0
-72.5°	276.0	221.4	166.3	116.5	77.8	38.9	0.0
-75°	229.5	182.6	135.2	100.3	67.0	33.5	0.0
-77.5°	182.6	143.3	111.6	83.9	56.0	28.0	0.0
-80°	135.2	111.6	89.5	67.3	44.9	22.5	0.0
-82.5°	100.3	83.9	67.3	50.6	33.8	16.9	0.0
-85°	67.0	56.0	44.9	33.8	22.5	11.3	0.0
-87.5°	33.5	28.0	22.5	16.9	11.3	5.6	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

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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	123.5	298.7	506.2	729.8	945.7	1195.3	1471.2	1791.9	2188.2	2691.9
-20°	0.0	121.7	293.5	496.9	716.4	929.8	1171.7	1441.2	1750.0	2127.7	2603.4

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-17.5°	3315.1	4019.3	4738.2	5421.2	6036.6	6589.1	7090.9	7548.4	7936.5	8279.3	8580.6
-20°	3194.7	3878.1	4587.4	5272.8	5889.0	6439.0	6938.7	7395.7	7796.4	8146.0	8454.9

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-17.5°	8838.2	9061.3	9252.6	9406.6	9527.5	9621.9	9686.6	9726.0	9740.7	9737.2	9728.9
-20°	8724.9	8952.2	9149.7	9311.6	9443.3	9550.3	9632.7	9686.6	9723.7	9735.8	9742.7

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-17.5°	9708.0	9691.5	9681.3	9677.8	9681.3	9691.5	9708.0	9728.9	9737.2	9740.7	9726.0
-20°	9736.7	9732.1	9729.3	9728.4	9729.3	9732.1	9736.7	9742.7	9735.8	9723.7	9686.6

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-17.5°	9686.6	9621.9	9527.5	9406.6	9252.6	9061.3	8838.2	8580.6	8279.3	7936.5	7548.4
-20°	9632.7	9550.3	9443.3	9311.6	9149.7	8952.2	8724.9	8454.9	8146.0	7796.4	7395.7

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-17.5°	7090.9	6589.1	6036.6	5421.2	4738.2	4019.3	3315.1	2691.9	2188.2	1791.9	1471.2
-20°	6938.7	6439.0	5889.0	5272.8	4587.4	3878.1	3194.7	2603.4	2127.7	1750.0	1441.2

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-17.5°	1195.3	945.7	729.8	506.2	298.7	123.5	0.0
-20°	1171.7	929.8	716.4	496.9	293.5	121.7	0.0

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Peachtree City, GA 30269

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(END OF REPORT)