

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: P731245 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-80-7F-HEG**

Issue Date: 11/16/2023

Test Information

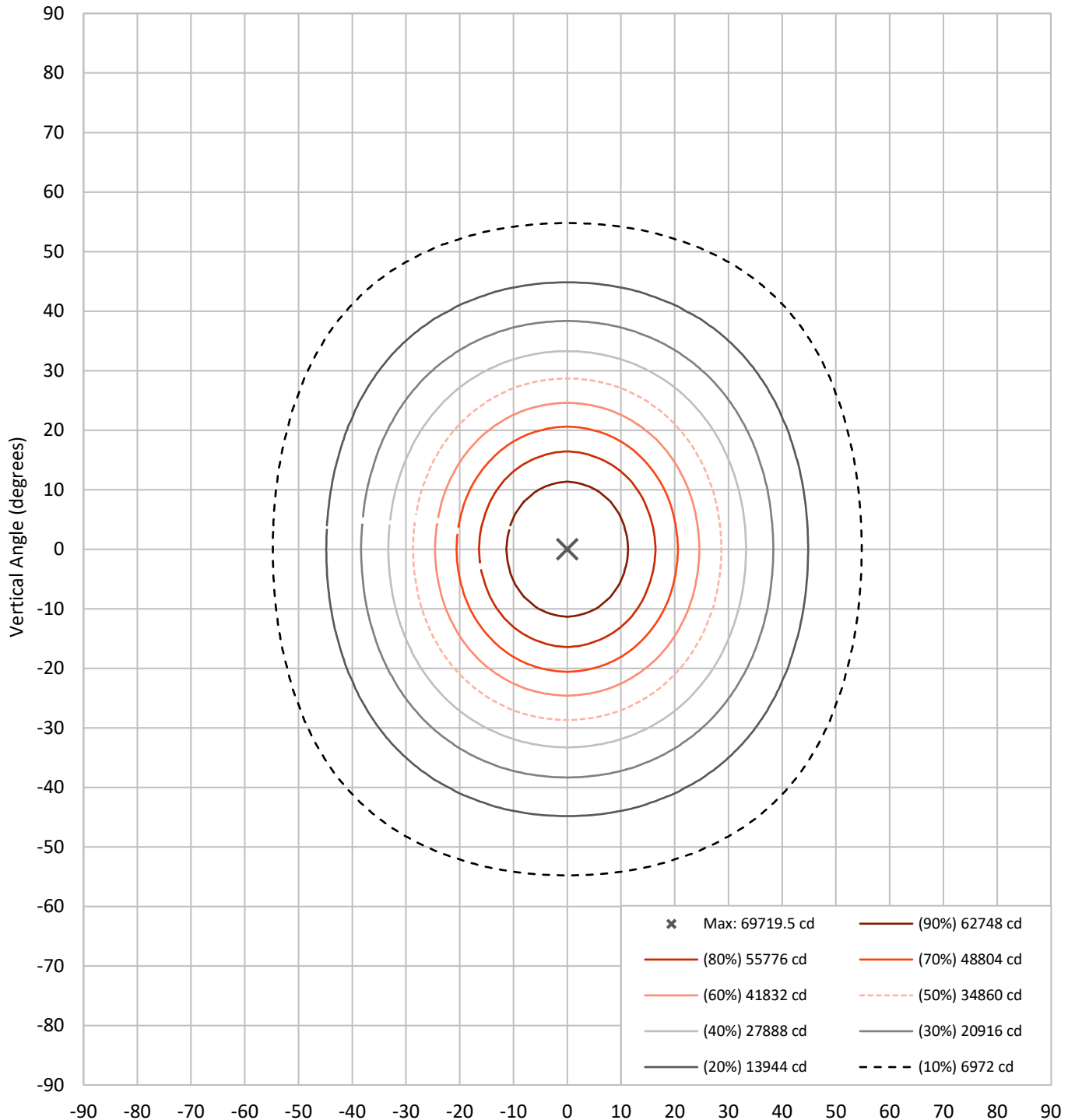
Test Method: LM-79-08
Report Number: P731245 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-7)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-08-0530N-40-80-7F-HEG
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	78664.8 lumens	Max Intensity:	69719.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	140.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.4°H x 57.4°V	Field Angle (10%):	109.4°H x 109.4°V
Beam Lumens:	38742.4 lumens	Field Lumens:	71365.9 lumens
Beam Efficiency:	49.2%	Field Efficiency:	90.7%
Input Watts (W):	559.9		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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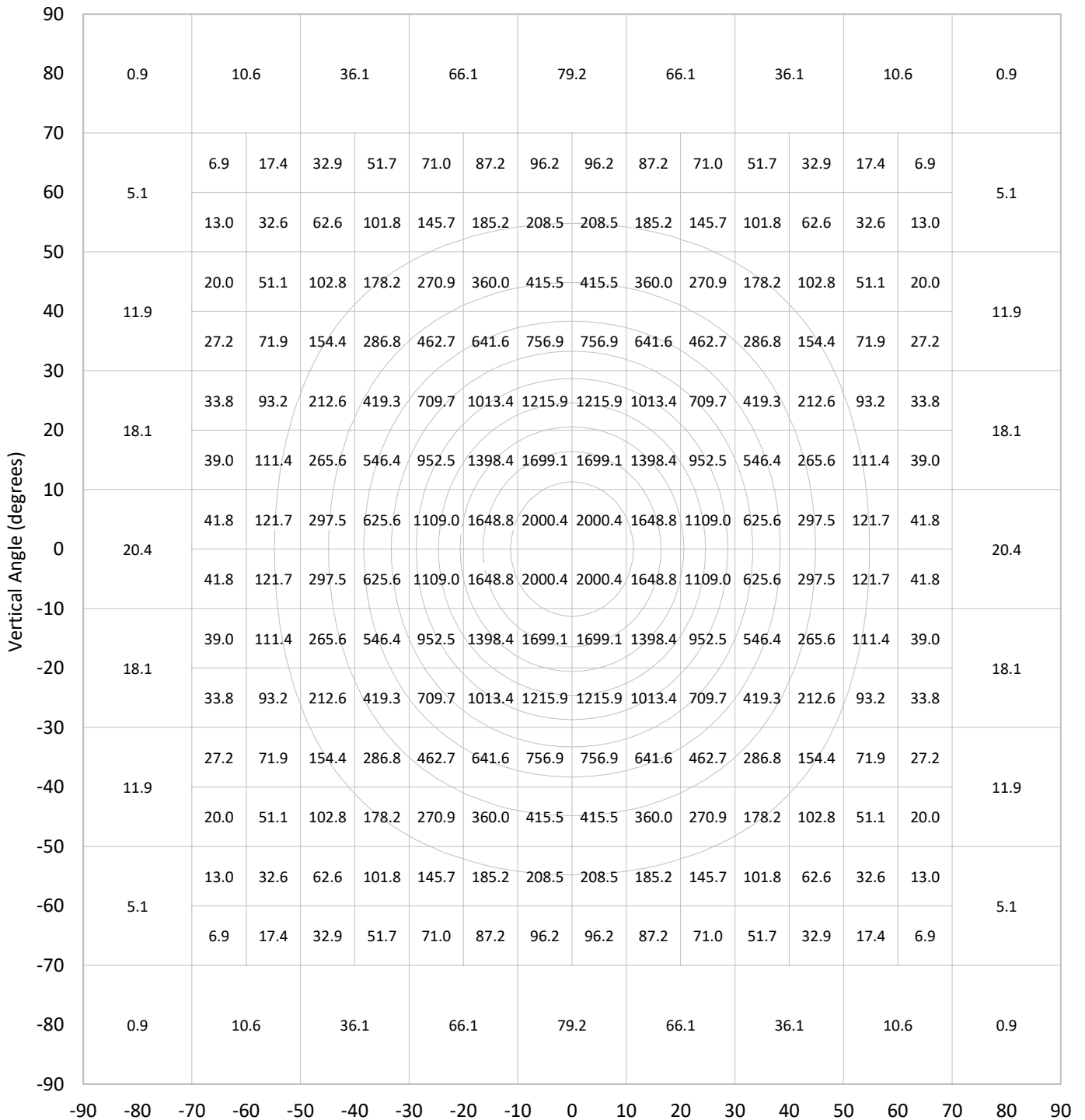
Iso-Candela Plot





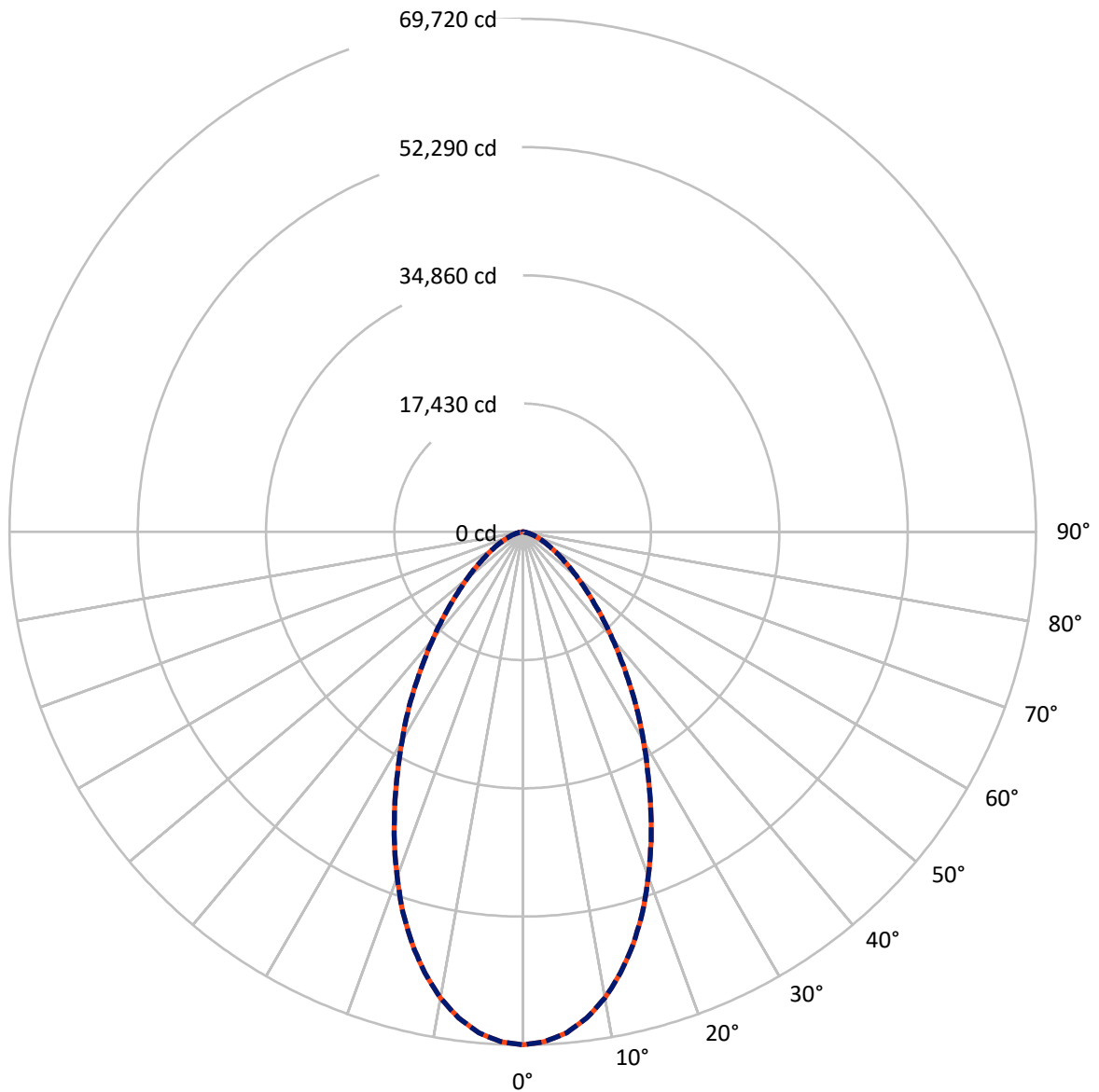
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Lumen Table



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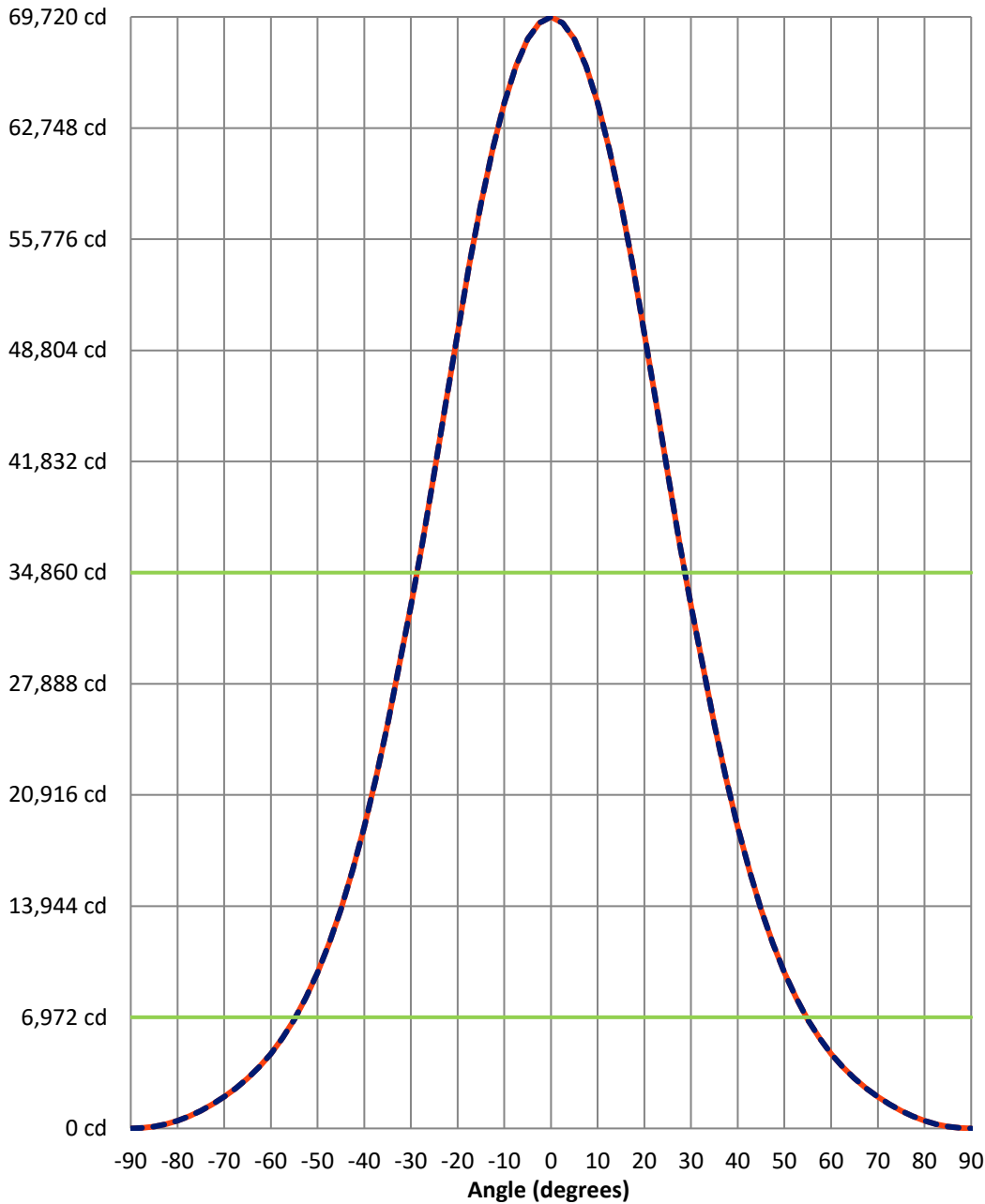
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 57.4°
 V Angle: 57.4°
 Lumens: 38742.4
 Efficiency: 49.2%

Field:
 H Angle: 109.4°
 V Angle: 109.4°
 Lumens: 71365.9
 Efficiency: 90.7%

Spill:
 Lumens: 7298.9
 Efficiency: 9.3%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	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	1.5	3.1	4.6	6.1	7.7	9.2	10.6	12.1	13.5	15.0
85°	0.0	3.1	6.2	9.2	12.3	15.3	18.3	21.3	24.2	27.1	29.9
82.5°	0.0	4.6	9.2	13.8	18.4	22.9	27.4	31.9	37.3	47.2	56.8
80°	0.0	6.1	12.3	18.4	24.5	30.5	37.9	51.4	64.7	77.8	90.7
77.5°	0.0	7.7	15.3	22.9	30.5	41.4	58.4	75.3	91.9	108.2	130.9
75°	0.0	9.2	18.3	27.4	37.9	58.4	78.8	98.9	120.9	156.6	191.7
72.5°	0.0	10.6	21.3	31.9	51.4	75.3	98.9	127.4	169.6	211.1	252.0
70°	0.0	12.1	24.2	37.3	64.7	91.9	120.9	169.6	217.6	265.5	334.5
67.5°	0.0	13.5	27.1	47.2	77.8	108.2	156.6	211.1	265.5	344.2	421.6
65°	0.0	15.0	29.9	56.8	90.7	130.9	191.7	252.0	334.5	421.6	514.5
62.5°	0.0	16.3	32.7	66.3	103.3	159.7	226.2	305.7	402.3	502.1	622.8
60°	0.0	17.7	35.4	75.6	115.7	187.8	259.9	363.9	468.7	597.9	729.0
57.5°	0.0	19.0	41.4	84.6	137.1	215.2	306.8	420.8	548.3	691.6	848.6
55°	0.0	20.3	47.2	93.4	158.5	242.0	354.3	476.2	629.6	787.5	972.6
52.5°	0.0	21.5	52.9	102.0	179.3	269.9	400.4	543.6	708.6	896.2	1093.4
50°	0.0	22.8	58.4	110.2	199.4	307.1	445.1	610.6	790.3	1001.7	1231.4
47.5°	0.0	23.9	63.7	119.8	218.7	343.0	490.0	675.4	880.8	1103.7	1367.5
45°	0.0	25.0	68.8	133.7	237.3	377.6	543.3	737.7	968.1	1221.1	1498.7
42.5°	0.0	26.1	73.7	147.1	255.2	410.7	594.5	805.2	1051.9	1334.3	1639.8
40°	0.0	27.1	78.4	159.8	276.3	442.3	643.3	875.1	1137.1	1442.7	1777.3
37.5°	0.0	28.1	82.8	171.9	300.3	472.3	689.7	941.5	1228.4	1549.8	1908.3
35°	0.0	29.0	87.0	183.4	322.9	505.9	733.6	1004.4	1314.9	1661.1	2039.2
32.5°	0.0	29.9	90.9	194.1	344.2	540.3	777.7	1063.6	1396.4	1766.0	2172.5
30°	0.0	30.7	94.6	204.2	364.1	572.3	824.9	1121.6	1472.7	1864.3	2297.5
27.5°	0.0	31.4	98.0	213.5	382.5	602.1	868.8	1183.3	1547.2	1955.7	2413.9
25°	0.0	32.1	101.1	222.1	399.5	629.5	909.2	1240.0	1621.6	2047.5	2522.0
22.5°	0.0	32.7	104.0	229.9	415.0	654.4	946.0	1291.8	1689.4	2135.0	2636.4
20°	0.0	33.3	106.5	236.9	428.9	676.9	979.2	1338.5	1750.6	2213.9	2739.6
17.5°	0.0	33.8	108.8	243.1	441.3	696.9	1008.6	1380.0	1805.0	2284.1	2831.4
15°	0.0	34.2	110.8	248.6	452.0	714.2	1034.3	1416.1	1852.4	2345.3	2911.6
12.5°	0.0	34.6	112.5	253.2	461.2	729.0	1056.1	1446.8	1892.7	2397.4	2979.8
10°	0.0	34.9	113.8	256.9	468.7	741.1	1074.0	1472.1	1925.9	2440.2	3036.0
7.5°	0.0	35.1	114.9	259.9	474.6	750.6	1088.0	1491.8	1951.7	2473.6	3079.8
5°	0.0	35.3	115.7	262.0	478.7	757.4	1098.0	1505.9	1970.3	2497.6	3111.2
2.5°	0.0	35.4	116.1	263.3	481.3	761.4	1104.0	1514.4	1981.4	2512.0	3130.1
0°	0.0	35.4	116.3	263.7	482.1	762.8	1106.0	1517.2	1985.1	2516.8	3136.4
-2.5°	0.0	35.4	116.1	263.3	481.3	761.4	1104.0	1514.4	1981.4	2512.0	3130.1
-5°	0.0	35.3	115.7	262.0	478.7	757.4	1098.0	1505.9	1970.3	2497.6	3111.2
-7.5°	0.0	35.1	114.9	259.9	474.6	750.6	1088.0	1491.8	1951.7	2473.6	3079.8
-10°	0.0	34.9	113.8	256.9	468.7	741.1	1074.0	1472.1	1925.9	2440.2	3036.0
-12.5°	0.0	34.6	112.5	253.2	461.2	729.0	1056.1	1446.8	1892.7	2397.4	2979.8
-15°	0.0	34.2	110.8	248.6	452.0	714.2	1034.3	1416.1	1852.4	2345.3	2911.6
-17.5°	0.0	33.8	108.8	243.1	441.3	696.9	1008.6	1380.0	1805.0	2284.1	2831.4
-20°	0.0	33.3	106.5	236.9	428.9	676.9	979.2	1338.5	1750.6	2213.9	2739.6



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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	32.7	104.0	229.9	415.0	654.4	946.0	1291.8	1689.4	2135.0	2636.4
-25°	0.0	32.1	101.1	222.1	399.5	629.5	909.2	1240.0	1621.6	2047.5	2522.0
-27.5°	0.0	31.4	98.0	213.5	382.5	602.1	868.8	1183.3	1547.2	1955.7	2413.9
-30°	0.0	30.7	94.6	204.2	364.1	572.3	824.9	1121.6	1472.7	1864.3	2297.5
-32.5°	0.0	29.9	90.9	194.1	344.2	540.3	777.7	1063.6	1396.4	1766.0	2172.5
-35°	0.0	29.0	87.0	183.4	322.9	505.9	733.6	1004.4	1314.9	1661.1	2039.2
-37.5°	0.0	28.1	82.8	171.9	300.3	472.3	689.7	941.5	1228.4	1549.8	1908.3
-40°	0.0	27.1	78.4	159.8	276.3	442.3	643.3	875.1	1137.1	1442.7	1777.3
-42.5°	0.0	26.1	73.7	147.1	255.2	410.7	594.5	805.2	1051.9	1334.3	1639.8
-45°	0.0	25.0	68.8	133.7	237.3	377.6	543.3	737.7	968.1	1221.1	1498.7
-47.5°	0.0	23.9	63.7	119.8	218.7	343.0	490.0	675.4	880.8	1103.7	1367.5
-50°	0.0	22.8	58.4	110.2	199.4	307.1	445.1	610.6	790.3	1001.7	1231.4
-52.5°	0.0	21.5	52.9	102.0	179.3	269.9	400.4	543.6	708.6	896.2	1093.4
-55°	0.0	20.3	47.2	93.4	158.5	242.0	354.3	476.2	629.6	787.5	972.6
-57.5°	0.0	19.0	41.4	84.6	137.1	215.2	306.8	420.8	548.3	691.6	848.6
-60°	0.0	17.7	35.4	75.6	115.7	187.8	259.9	363.9	468.7	597.9	729.0
-62.5°	0.0	16.3	32.7	66.3	103.3	159.7	226.2	305.7	402.3	502.1	622.8
-65°	0.0	15.0	29.9	56.8	90.7	130.9	191.7	252.0	334.5	421.6	514.5
-67.5°	0.0	13.5	27.1	47.2	77.8	108.2	156.6	211.1	265.5	344.2	421.6
-70°	0.0	12.1	24.2	37.3	64.7	91.9	120.9	169.6	217.6	265.5	334.5
-72.5°	0.0	10.6	21.3	31.9	51.4	75.3	98.9	127.4	169.6	211.1	252.0
-75°	0.0	9.2	18.3	27.4	37.9	58.4	78.8	98.9	120.9	156.6	191.7
-77.5°	0.0	7.7	15.3	22.9	30.5	41.4	58.4	75.3	91.9	108.2	130.9
-80°	0.0	6.1	12.3	18.4	24.5	30.5	37.9	51.4	64.7	77.8	90.7
-82.5°	0.0	4.6	9.2	13.8	18.4	22.9	27.4	31.9	37.3	47.2	56.8
-85°	0.0	3.1	6.2	9.2	12.3	15.3	18.3	21.3	24.2	27.1	29.9
-87.5°	0.0	1.5	3.1	4.6	6.1	7.7	9.2	10.6	12.1	13.5	15.0
-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):

	-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°	16.3	17.7	19.0	20.3	21.5	22.8	23.9	25.0	26.1	27.1	28.1
85°	32.7	35.4	41.4	47.2	52.9	58.4	63.7	68.8	73.7	78.4	82.8
82.5°	66.3	75.6	84.6	93.4	102.0	110.2	119.8	133.7	147.1	159.8	171.9
80°	103.3	115.7	137.1	158.5	179.3	199.4	218.7	237.3	255.2	276.3	300.3
77.5°	159.7	187.8	215.2	242.0	269.9	307.1	343.0	377.6	410.7	442.3	472.3
75°	226.2	259.9	306.8	354.3	400.4	445.1	490.0	543.3	594.5	643.3	689.7
72.5°	305.7	363.9	420.8	476.2	543.6	610.6	675.4	737.7	805.2	875.1	941.5
70°	402.3	468.7	548.3	629.6	708.6	790.3	880.8	968.1	1051.9	1137.1	1228.4
67.5°	502.1	597.9	691.6	787.5	896.2	1001.7	1103.7	1221.1	1334.3	1442.7	1549.8
65°	622.8	729.0	848.6	972.6	1093.4	1231.4	1367.5	1498.7	1639.8	1777.3	1908.3
62.5°	741.5	879.3	1018.8	1164.9	1324.0	1478.7	1643.9	1808.6	1967.0	2137.2	2301.9
60°	879.3	1034.3	1202.0	1380.0	1558.5	1750.6	1936.9	2135.0	2332.1	2522.0	2732.6
57.5°	1018.8	1202.0	1398.7	1601.4	1815.2	2028.6	2258.2	2480.5	2724.2	2964.2	3202.6
55°	1164.9	1380.0	1601.4	1836.8	2078.0	2332.8	2591.0	2870.6	3141.2	3441.3	3728.7
52.5°	1324.0	1558.5	1815.2	2078.0	2357.7	2649.6	2959.2	3278.7	3614.2	3950.2	4306.8
50°	1478.7	1750.6	2028.6	2332.8	2649.6	2988.8	3347.8	3718.9	4112.3	4511.0	4940.9
47.5°	1643.9	1936.9	2258.2	2591.0	2959.2	3347.8	3754.0	4193.9	4634.7	5143.5	5641.5
45°	1808.6	2135.0	2480.5	2870.6	3278.7	3718.9	4193.9	4676.2	5245.5	5813.4	6419.7
42.5°	1967.0	2332.1	2724.2	3141.2	3614.2	4112.3	4634.7	5245.5	5872.7	6540.1	7259.7
40°	2137.2	2522.0	2964.2	3441.3	3950.2	4511.0	5143.5	5813.4	6540.1	7333.9	8157.8
37.5°	2301.9	2732.6	3202.6	3728.7	4306.8	4940.9	5641.5	6419.7	7259.7	8157.8	9147.6
35°	2458.3	2932.7	3454.9	4025.2	4647.2	5385.8	6180.7	7038.6	8006.9	9059.3	10166.7
32.5°	2620.7	3121.9	3693.8	4323.8	5033.5	5827.3	6699.1	7707.8	8796.1	9955.5	11249.2
30°	2782.2	3325.1	3928.4	4605.0	5403.7	6283.4	7265.8	8362.9	9572.0	10926.1	12378.2
27.5°	2932.7	3516.7	4169.7	4909.2	5760.6	6711.0	7821.6	9045.6	10395.2	11876.2	13499.2
25°	3071.7	3693.8	4393.1	5205.3	6127.8	7168.0	8359.3	9682.7	11197.5	12860.4	14687.0
22.5°	3208.6	3856.5	4597.8	5477.0	6465.1	7609.1	8904.6	10356.6	11986.2	13780.7	15827.3
20°	3341.3	4025.2	4806.1	5729.7	6771.3	8010.1	9401.0	10985.5	12762.5	14753.7	16948.2
17.5°	3459.5	4175.5	5006.9	5980.6	7091.2	8393.3	9858.4	11550.3	13461.2	15631.4	17996.4
15°	3562.6	4306.8	5182.6	6200.3	7380.5	8753.3	10316.8	12109.1	14134.0	16431.2	18929.3
12.5°	3650.6	4418.8	5332.5	6387.9	7627.7	9061.4	10709.6	12597.2	14750.0	17170.6	19834.3
10°	3722.9	4511.0	5455.9	6542.5	7831.7	9315.8	11034.4	13001.3	15260.9	17784.9	20588.0
7.5°	3779.4	4583.1	5552.5	6663.5	7991.5	9515.2	11289.2	13318.7	15662.8	18268.8	21182.7
5°	3819.9	4634.7	5621.7	6750.4	8106.2	9658.5	11472.4	13547.1	15952.2	18617.9	21612.4
2.5°	3844.3	4665.8	5663.4	6802.6	8175.2	9744.8	11582.8	13684.9	16126.9	18828.7	21872.1
0°	3852.4	4676.2	5677.3	6820.1	8198.3	9773.6	11619.7	13730.9	16185.3	18899.2	21959.0
-2.5°	3844.3	4665.8	5663.4	6802.6	8175.2	9744.8	11582.8	13684.9	16126.9	18828.7	21872.1
-5°	3819.9	4634.7	5621.7	6750.4	8106.2	9658.5	11472.4	13547.1	15952.2	18617.9	21612.4
-7.5°	3779.4	4583.1	5552.5	6663.5	7991.5	9515.2	11289.2	13318.7	15662.8	18268.8	21182.7
-10°	3722.9	4511.0	5455.9	6542.5	7831.7	9315.8	11034.4	13001.3	15260.9	17784.9	20588.0
-12.5°	3650.6	4418.8	5332.5	6387.9	7627.7	9061.4	10709.6	12597.2	14750.0	17170.6	19834.3
-15°	3562.6	4306.8	5182.6	6200.3	7380.5	8753.3	10316.8	12109.1	14134.0	16431.2	18929.3
-17.5°	3459.5	4175.5	5006.9	5980.6	7091.2	8393.3	9858.4	11550.3	13461.2	15631.4	17996.4
-20°	3341.3	4025.2	4806.1	5729.7	6771.3	8010.1	9401.0	10985.5	12762.5	14753.7	16948.2



REPORT NUMBER: P731245 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3208.6	3856.5	4597.8	5477.0	6465.1	7609.1	8904.6	10356.6	11986.2	13780.7	15827.3
-25°	3071.7	3693.8	4393.1	5205.3	6127.8	7168.0	8359.3	9682.7	11197.5	12860.4	14687.0
-27.5°	2932.7	3516.7	4169.7	4909.2	5760.6	6711.0	7821.6	9045.6	10395.2	11876.2	13499.2
-30°	2782.2	3325.1	3928.4	4605.0	5403.7	6283.4	7265.8	8362.9	9572.0	10926.1	12378.2
-32.5°	2620.7	3121.9	3693.8	4323.8	5033.5	5827.3	6699.1	7707.8	8796.1	9955.5	11249.2
-35°	2458.3	2932.7	3454.9	4025.2	4647.2	5385.8	6180.7	7038.6	8006.9	9059.3	10166.7
-37.5°	2301.9	2732.6	3202.6	3728.7	4306.8	4940.9	5641.5	6419.7	7259.7	8157.8	9147.6
-40°	2137.2	2522.0	2964.2	3441.3	3950.2	4511.0	5143.5	5813.4	6540.1	7333.9	8157.8
-42.5°	1967.0	2332.1	2724.2	3141.2	3614.2	4112.3	4634.7	5245.5	5872.7	6540.1	7259.7
-45°	1808.6	2135.0	2480.5	2870.6	3278.7	3718.9	4193.9	4676.2	5245.5	5813.4	6419.7
-47.5°	1643.9	1936.9	2258.2	2591.0	2959.2	3347.8	3754.0	4193.9	4634.7	5143.5	5641.5
-50°	1478.7	1750.6	2028.6	2332.8	2649.6	2988.8	3347.8	3718.9	4112.3	4511.0	4940.9
-52.5°	1324.0	1558.5	1815.2	2078.0	2357.7	2649.6	2959.2	3278.7	3614.2	3950.2	4306.8
-55°	1164.9	1380.0	1601.4	1836.8	2078.0	2332.8	2591.0	2870.6	3141.2	3441.3	3728.7
-57.5°	1018.8	1202.0	1398.7	1601.4	1815.2	2028.6	2258.2	2480.5	2724.2	2964.2	3202.6
-60°	879.3	1034.3	1202.0	1380.0	1558.5	1750.6	1936.9	2135.0	2332.1	2522.0	2732.6
-62.5°	741.5	879.3	1018.8	1164.9	1324.0	1478.7	1643.9	1808.6	1967.0	2137.2	2301.9
-65°	622.8	729.0	848.6	972.6	1093.4	1231.4	1367.5	1498.7	1639.8	1777.3	1908.3
-67.5°	502.1	597.9	691.6	787.5	896.2	1001.7	1103.7	1221.1	1334.3	1442.7	1549.8
-70°	402.3	468.7	548.3	629.6	708.6	790.3	880.8	968.1	1051.9	1137.1	1228.4
-72.5°	305.7	363.9	420.8	476.2	543.6	610.6	675.4	737.7	805.2	875.1	941.5
-75°	226.2	259.9	306.8	354.3	400.4	445.1	490.0	543.3	594.5	643.3	689.7
-77.5°	159.7	187.8	215.2	242.0	269.9	307.1	343.0	377.6	410.7	442.3	472.3
-80°	103.3	115.7	137.1	158.5	179.3	199.4	218.7	237.3	255.2	276.3	300.3
-82.5°	66.3	75.6	84.6	93.4	102.0	110.2	119.8	133.7	147.1	159.8	171.9
-85°	32.7	35.4	41.4	47.2	52.9	58.4	63.7	68.8	73.7	78.4	82.8
-87.5°	16.3	17.7	19.0	20.3	21.5	22.8	23.9	25.0	26.1	27.1	28.1
-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: P731245 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-HEG

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°	29.0	29.9	30.7	31.4	32.1	32.7	33.3	33.8	34.2	34.6	34.9
85°	87.0	90.9	94.6	98.0	101.1	104.0	106.5	108.8	110.8	112.5	113.8
82.5°	183.4	194.1	204.2	213.5	222.1	229.9	236.9	243.1	248.6	253.2	256.9
80°	322.9	344.2	364.1	382.5	399.5	415.0	428.9	441.3	452.0	461.2	468.7
77.5°	505.9	540.3	572.3	602.1	629.5	654.4	676.9	696.9	714.2	729.0	741.1
75°	733.6	777.7	824.9	868.8	909.2	946.0	979.2	1008.6	1034.3	1056.1	1074.0
72.5°	1004.4	1063.6	1121.6	1183.3	1240.0	1291.8	1338.5	1380.0	1416.1	1446.8	1472.1
70°	1314.9	1396.4	1472.7	1547.2	1621.6	1689.4	1750.6	1805.0	1852.4	1892.7	1925.9
67.5°	1661.1	1766.0	1864.3	1955.7	2047.5	2135.0	2213.9	2284.1	2345.3	2397.4	2440.2
65°	2039.2	2172.5	2297.5	2413.9	2522.0	2636.4	2739.6	2831.4	2911.6	2979.8	3036.0
62.5°	2458.3	2620.7	2782.2	2932.7	3071.7	3208.6	3341.3	3459.5	3562.6	3650.6	3722.9
60°	2932.7	3121.9	3325.1	3516.7	3693.8	3856.5	4025.2	4175.5	4306.8	4418.8	4511.0
57.5°	3454.9	3693.8	3928.4	4169.7	4393.1	4597.8	4806.1	5006.9	5182.6	5332.5	5455.9
55°	4025.2	4323.8	4605.0	4909.2	5205.3	5477.0	5729.7	5980.6	6200.3	6387.9	6542.5
52.5°	4647.2	5033.5	5403.7	5760.6	6127.8	6465.1	6771.3	7091.2	7380.5	7627.7	7831.7
50°	5385.8	5827.3	6283.4	6711.0	7168.0	7609.1	8010.1	8393.3	8753.3	9061.4	9315.8
47.5°	6180.7	6699.1	7265.8	7821.6	8359.3	8904.6	9401.0	9858.4	10316.8	10709.6	11034.4
45°	7038.6	7707.8	8362.9	9045.6	9682.7	10356.6	10985.5	11550.3	12109.1	12597.2	13001.3
42.5°	8006.9	8796.1	9572.0	10395.2	11197.5	11986.2	12762.5	13461.2	14134.0	14750.0	15260.9
40°	9059.3	9955.5	10926.1	11876.2	12860.4	13780.7	14753.7	15631.4	16431.2	17170.6	17784.9
37.5°	10166.7	11249.2	12378.2	13499.2	14687.0	15827.3	16948.2	17996.4	18929.3	19834.3	20588.0
35°	11357.6	12632.0	13914.1	15303.5	16659.2	18012.0	19305.0	20581.1	21716.1	22775.7	23681.4
32.5°	12632.0	14066.2	15615.7	17190.3	18737.6	20351.6	21864.1	23374.5	24731.5	25971.3	27062.6
30°	13914.1	15615.7	17369.0	19132.0	20992.2	22823.2	24617.5	26355.6	27981.3	29398.7	30586.7
27.5°	15303.5	17190.3	19132.0	21208.0	23315.6	25385.5	27515.5	29472.1	31229.3	32770.7	34172.4
25°	16659.2	18737.6	20992.2	23315.6	25670.0	28106.6	30388.6	32495.1	34529.6	36344.1	37980.9
22.5°	18012.0	20351.6	22823.2	25385.5	28106.6	30698.5	33170.8	35620.8	37950.1	40108.5	41975.0
20°	19305.0	21864.1	24617.5	27515.5	30388.6	33170.8	35990.9	38795.2	41446.0	43870.4	45952.1
17.5°	20581.1	23374.5	26355.6	29472.1	32495.1	35620.8	38795.2	41909.4	44853.1	47461.7	49722.5
15°	21716.1	24731.5	27981.3	31229.3	34529.6	37950.1	41446.0	44853.1	47979.5	50833.6	53368.0
12.5°	22775.7	25971.3	29398.7	32770.7	36344.1	40108.5	43870.4	47461.7	50833.6	53983.5	56524.2
10°	23681.4	27062.6	30586.7	34172.4	37980.9	41975.0	45952.1	49722.5	53368.0	56524.2	59294.7
7.5°	24397.8	27928.2	31532.2	35293.0	39325.7	43503.2	47608.9	51592.8	55341.5	58650.6	61430.5
5°	24916.1	28556.0	32219.8	36110.8	40311.4	44629.9	48839.8	52997.3	56775.8	60185.2	63028.0
2.5°	25229.9	28936.6	32637.5	36608.7	40913.6	45321.1	49599.3	53871.1	57678.9	61100.2	63983.8
0°	25335.0	29064.1	32777.6	36776.0	41116.2	45554.2	49856.2	54168.0	57987.8	61402.1	64313.0
-2.5°	25229.9	28936.6	32637.5	36608.7	40913.6	45321.1	49599.3	53871.1	57678.9	61100.2	63983.8
-5°	24916.1	28556.0	32219.8	36110.8	40311.4	44629.9	48839.8	52997.3	56775.8	60185.2	63028.0
-7.5°	24397.8	27928.2	31532.2	35293.0	39325.7	43503.2	47608.9	51592.8	55341.5	58650.6	61430.5
-10°	23681.4	27062.6	30586.7	34172.4	37980.9	41975.0	45952.1	49722.5	53368.0	56524.2	59294.7
-12.5°	22775.7	25971.3	29398.7	32770.7	36344.1	40108.5	43870.4	47461.7	50833.6	53983.5	56524.2
-15°	21716.1	24731.5	27981.3	31229.3	34529.6	37950.1	41446.0	44853.1	47979.5	50833.6	53368.0
-17.5°	20581.1	23374.5	26355.6	29472.1	32495.1	35620.8	38795.2	41909.4	44853.1	47461.7	49722.5
-20°	19305.0	21864.1	24617.5	27515.5	30388.6	33170.8	35990.9	38795.2	41446.0	43870.4	45952.1



REPORT NUMBER: P731245 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	18012.0	20351.6	22823.2	25385.5	28106.6	30698.5	33170.8	35620.8	37950.1	40108.5	41975.0
-25°	16659.2	18737.6	20992.2	23315.6	25670.0	28106.6	30388.6	32495.1	34529.6	36344.1	37980.9
-27.5°	15303.5	17190.3	19132.0	21208.0	23315.6	25385.5	27515.5	29472.1	31229.3	32770.7	34172.4
-30°	13914.1	15615.7	17369.0	19132.0	20992.2	22823.2	24617.5	26355.6	27981.3	29398.7	30586.7
-32.5°	12632.0	14066.2	15615.7	17190.3	18737.6	20351.6	21864.1	23374.5	24731.5	25971.3	27062.6
-35°	11357.6	12632.0	13914.1	15303.5	16659.2	18012.0	19305.0	20581.1	21716.1	22775.7	23681.4
-37.5°	10166.7	11249.2	12378.2	13499.2	14687.0	15827.3	16948.2	17996.4	18929.3	19834.3	20588.0
-40°	9059.3	9955.5	10926.1	11876.2	12860.4	13780.7	14753.7	15631.4	16431.2	17170.6	17784.9
-42.5°	8006.9	8796.1	9572.0	10395.2	11197.5	11986.2	12762.5	13461.2	14134.0	14750.0	15260.9
-45°	7038.6	7707.8	8362.9	9045.6	9682.7	10356.6	10985.5	11550.3	12109.1	12597.2	13001.3
-47.5°	6180.7	6699.1	7265.8	7821.6	8359.3	8904.6	9401.0	9858.4	10316.8	10709.6	11034.4
-50°	5385.8	5827.3	6283.4	6711.0	7168.0	7609.1	8010.1	8393.3	8753.3	9061.4	9315.8
-52.5°	4647.2	5033.5	5403.7	5760.6	6127.8	6465.1	6771.3	7091.2	7380.5	7627.7	7831.7
-55°	4025.2	4323.8	4605.0	4909.2	5205.3	5477.0	5729.7	5980.6	6200.3	6387.9	6542.5
-57.5°	3454.9	3693.8	3928.4	4169.7	4393.1	4597.8	4806.1	5006.9	5182.6	5332.5	5455.9
-60°	2932.7	3121.9	3325.1	3516.7	3693.8	3856.5	4025.2	4175.5	4306.8	4418.8	4511.0
-62.5°	2458.3	2620.7	2782.2	2932.7	3071.7	3208.6	3341.3	3459.5	3562.6	3650.6	3722.9
-65°	2039.2	2172.5	2297.5	2413.9	2522.0	2636.4	2739.6	2831.4	2911.6	2979.8	3036.0
-67.5°	1661.1	1766.0	1864.3	1955.7	2047.5	2135.0	2213.9	2284.1	2345.3	2397.4	2440.2
-70°	1314.9	1396.4	1472.7	1547.2	1621.6	1689.4	1750.6	1805.0	1852.4	1892.7	1925.9
-72.5°	1004.4	1063.6	1121.6	1183.3	1240.0	1291.8	1338.5	1380.0	1416.1	1446.8	1472.1
-75°	733.6	777.7	824.9	868.8	909.2	946.0	979.2	1008.6	1034.3	1056.1	1074.0
-77.5°	505.9	540.3	572.3	602.1	629.5	654.4	676.9	696.9	714.2	729.0	741.1
-80°	322.9	344.2	364.1	382.5	399.5	415.0	428.9	441.3	452.0	461.2	468.7
-82.5°	183.4	194.1	204.2	213.5	222.1	229.9	236.9	243.1	248.6	253.2	256.9
-85°	87.0	90.9	94.6	98.0	101.1	104.0	106.5	108.8	110.8	112.5	113.8
-87.5°	29.0	29.9	30.7	31.4	32.1	32.7	33.3	33.8	34.2	34.6	34.9
-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: P731245 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-HEG

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°	35.1	35.3	35.4	35.4	35.4	35.3	35.1	34.9	34.6	34.2	33.8
85°	114.9	115.7	116.1	116.3	116.1	115.7	114.9	113.8	112.5	110.8	108.8
82.5°	259.9	262.0	263.3	263.7	263.3	262.0	259.9	256.9	253.2	248.6	243.1
80°	474.6	478.7	481.3	482.1	481.3	478.7	474.6	468.7	461.2	452.0	441.3
77.5°	750.6	757.4	761.4	762.8	761.4	757.4	750.6	741.1	729.0	714.2	696.9
75°	1088.0	1098.0	1104.0	1106.0	1104.0	1098.0	1088.0	1074.0	1056.1	1034.3	1008.6
72.5°	1491.8	1505.9	1514.4	1517.2	1514.4	1505.9	1491.8	1472.1	1446.8	1416.1	1380.0
70°	1951.7	1970.3	1981.4	1985.1	1981.4	1970.3	1951.7	1925.9	1892.7	1852.4	1805.0
67.5°	2473.6	2497.6	2512.0	2516.8	2512.0	2497.6	2473.6	2440.2	2397.4	2345.3	2284.1
65°	3079.8	3111.2	3130.1	3136.4	3130.1	3111.2	3079.8	3036.0	2979.8	2911.6	2831.4
62.5°	3779.4	3819.9	3844.3	3852.4	3844.3	3819.9	3779.4	3722.9	3650.6	3562.6	3459.5
60°	4583.1	4634.7	4665.8	4676.2	4665.8	4634.7	4583.1	4511.0	4418.8	4306.8	4175.5
57.5°	5552.5	5621.7	5663.4	5677.3	5663.4	5621.7	5552.5	5455.9	5332.5	5182.6	5006.9
55°	6663.5	6750.4	6802.6	6820.1	6802.6	6750.4	6663.5	6542.5	6387.9	6200.3	5980.6
52.5°	7991.5	8106.2	8175.2	8198.3	8175.2	8106.2	7991.5	7831.7	7627.7	7380.5	7091.2
50°	9515.2	9658.5	9744.8	9773.6	9744.8	9658.5	9515.2	9315.8	9061.4	8753.3	8393.3
47.5°	11289.2	11472.4	11582.8	11619.7	11582.8	11472.4	11289.2	11034.4	10709.6	10316.8	9858.4
45°	13318.7	13547.1	13684.9	13730.9	13684.9	13547.1	13318.7	13001.3	12597.2	12109.1	11550.3
42.5°	15662.8	15952.2	16126.9	16185.3	16126.9	15952.2	15662.8	15260.9	14750.0	14134.0	13461.2
40°	18268.8	18617.9	18828.7	18899.2	18828.7	18617.9	18268.8	17784.9	17170.6	16431.2	15631.4
37.5°	21182.7	21612.4	21872.1	21959.0	21872.1	21612.4	21182.7	20588.0	19834.3	18929.3	17996.4
35°	24397.8	24916.1	25229.9	25335.0	25229.9	24916.1	24397.8	23681.4	22775.7	21716.1	20581.1
32.5°	27928.2	28556.0	28936.6	29064.1	28936.6	28556.0	27928.2	27062.6	25971.3	24731.5	23374.5
30°	31532.2	32219.8	32637.5	32777.6	32637.5	32219.8	31532.2	30586.7	29398.7	27981.3	26355.6
27.5°	35293.0	36110.8	36608.7	36776.0	36608.7	36110.8	35293.0	34172.4	32770.7	31229.3	29472.1
25°	39325.7	40311.4	40913.6	41116.2	40913.6	40311.4	39325.7	37980.9	36344.1	34529.6	32495.1
22.5°	43503.2	44629.9	45321.1	45554.2	45321.1	44629.9	43503.2	41975.0	40108.5	37950.1	35620.8
20°	47608.9	48839.8	49599.3	49856.2	49599.3	48839.8	47608.9	45952.1	43870.4	41446.0	38795.2
17.5°	51592.8	52997.3	53871.1	54168.0	53871.1	52997.3	51592.8	49722.5	47461.7	44853.1	41909.4
15°	55341.5	56775.8	57678.9	57987.8	57678.9	56775.8	55341.5	53368.0	50833.6	47979.5	44853.1
12.5°	58650.6	60185.2	61100.2	61402.1	61100.2	60185.2	58650.6	56524.2	53983.5	50833.6	47461.7
10°	61430.5	63028.0	63983.8	64313.0	63983.8	63028.0	61430.5	59294.7	56524.2	53368.0	49722.5
7.5°	63674.0	65301.1	66312.2	66637.7	66312.2	65301.1	63674.0	61430.5	58650.6	55341.5	51592.8
5°	65301.1	66987.4	67966.2	68328.5	67966.2	66987.4	65301.1	63028.0	60185.2	56775.8	52997.3
2.5°	66312.2	67966.2	68985.7	69331.7	68985.7	67966.2	66312.2	63983.8	61100.2	57678.9	53871.1
0°	66637.7	68328.5	69331.7	69719.5	69331.7	68328.5	66637.7	64313.0	61402.1	57987.8	54168.0
-2.5°	66312.2	67966.2	68985.7	69331.7	68985.7	67966.2	66312.2	63983.8	61100.2	57678.9	53871.1
-5°	65301.1	66987.4	67966.2	68328.5	67966.2	66987.4	65301.1	63028.0	60185.2	56775.8	52997.3
-7.5°	63674.0	65301.1	66312.2	66637.7	66312.2	65301.1	63674.0	61430.5	58650.6	55341.5	51592.8
-10°	61430.5	63028.0	63983.8	64313.0	63983.8	63028.0	61430.5	59294.7	56524.2	53368.0	49722.5
-12.5°	58650.6	60185.2	61100.2	61402.1	61100.2	60185.2	58650.6	56524.2	53983.5	50833.6	47461.7
-15°	55341.5	56775.8	57678.9	57987.8	57678.9	56775.8	55341.5	53368.0	50833.6	47979.5	44853.1
-17.5°	51592.8	52997.3	53871.1	54168.0	53871.1	52997.3	51592.8	49722.5	47461.7	44853.1	41909.4
-20°	47608.9	48839.8	49599.3	49856.2	49599.3	48839.8	47608.9	45952.1	43870.4	41446.0	38795.2



REPORT NUMBER: P731245 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	43503.2	44629.9	45321.1	45554.2	45321.1	44629.9	43503.2	41975.0	40108.5	37950.1	35620.8
-25°	39325.7	40311.4	40913.6	41116.2	40913.6	40311.4	39325.7	37980.9	36344.1	34529.6	32495.1
-27.5°	35293.0	36110.8	36608.7	36776.0	36608.7	36110.8	35293.0	34172.4	32770.7	31229.3	29472.1
-30°	31532.2	32219.8	32637.5	32777.6	32637.5	32219.8	31532.2	30586.7	29398.7	27981.3	26355.6
-32.5°	27928.2	28556.0	28936.6	29064.1	28936.6	28556.0	27928.2	27062.6	25971.3	24731.5	23374.5
-35°	24397.8	24916.1	25229.9	25335.0	25229.9	24916.1	24397.8	23681.4	22775.7	21716.1	20581.1
-37.5°	21182.7	21612.4	21872.1	21959.0	21872.1	21612.4	21182.7	20588.0	19834.3	18929.3	17996.4
-40°	18268.8	18617.9	18828.7	18899.2	18828.7	18617.9	18268.8	17784.9	17170.6	16431.2	15631.4
-42.5°	15662.8	15952.2	16126.9	16185.3	16126.9	15952.2	15662.8	15260.9	14750.0	14134.0	13461.2
-45°	13318.7	13547.1	13684.9	13730.9	13684.9	13547.1	13318.7	13001.3	12597.2	12109.1	11550.3
-47.5°	11289.2	11472.4	11582.8	11619.7	11582.8	11472.4	11289.2	11034.4	10709.6	10316.8	9858.4
-50°	9515.2	9658.5	9744.8	9773.6	9744.8	9658.5	9515.2	9315.8	9061.4	8753.3	8393.3
-52.5°	7991.5	8106.2	8175.2	8198.3	8175.2	8106.2	7991.5	7831.7	7627.7	7380.5	7091.2
-55°	6663.5	6750.4	6802.6	6820.1	6802.6	6750.4	6663.5	6542.5	6387.9	6200.3	5980.6
-57.5°	5552.5	5621.7	5663.4	5677.3	5663.4	5621.7	5552.5	5455.9	5332.5	5182.6	5006.9
-60°	4583.1	4634.7	4665.8	4676.2	4665.8	4634.7	4583.1	4511.0	4418.8	4306.8	4175.5
-62.5°	3779.4	3819.9	3844.3	3852.4	3844.3	3819.9	3779.4	3722.9	3650.6	3562.6	3459.5
-65°	3079.8	3111.2	3130.1	3136.4	3130.1	3111.2	3079.8	3036.0	2979.8	2911.6	2831.4
-67.5°	2473.6	2497.6	2512.0	2516.8	2512.0	2497.6	2473.6	2440.2	2397.4	2345.3	2284.1
-70°	1951.7	1970.3	1981.4	1985.1	1981.4	1970.3	1951.7	1925.9	1892.7	1852.4	1805.0
-72.5°	1491.8	1505.9	1514.4	1517.2	1514.4	1505.9	1491.8	1472.1	1446.8	1416.1	1380.0
-75°	1088.0	1098.0	1104.0	1106.0	1104.0	1098.0	1088.0	1074.0	1056.1	1034.3	1008.6
-77.5°	750.6	757.4	761.4	762.8	761.4	757.4	750.6	741.1	729.0	714.2	696.9
-80°	474.6	478.7	481.3	482.1	481.3	478.7	474.6	468.7	461.2	452.0	441.3
-82.5°	259.9	262.0	263.3	263.7	263.3	262.0	259.9	256.9	253.2	248.6	243.1
-85°	114.9	115.7	116.1	116.3	116.1	115.7	114.9	113.8	112.5	110.8	108.8
-87.5°	35.1	35.3	35.4	35.4	35.4	35.3	35.1	34.9	34.6	34.2	33.8
-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: P731245 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-HEG

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°	33.3	32.7	32.1	31.4	30.7	29.9	29.0	28.1	27.1	26.1	25.0
85°	106.5	104.0	101.1	98.0	94.6	90.9	87.0	82.8	78.4	73.7	68.8
82.5°	236.9	229.9	222.1	213.5	204.2	194.1	183.4	171.9	159.8	147.1	133.7
80°	428.9	415.0	399.5	382.5	364.1	344.2	322.9	300.3	276.3	255.2	237.3
77.5°	676.9	654.4	629.5	602.1	572.3	540.3	505.9	472.3	442.3	410.7	377.6
75°	979.2	946.0	909.2	868.8	824.9	777.7	733.6	689.7	643.3	594.5	543.3
72.5°	1338.5	1291.8	1240.0	1183.3	1121.6	1063.6	1004.4	941.5	875.1	805.2	737.7
70°	1750.6	1689.4	1621.6	1547.2	1472.7	1396.4	1314.9	1228.4	1137.1	1051.9	968.1
67.5°	2213.9	2135.0	2047.5	1955.7	1864.3	1766.0	1661.1	1549.8	1442.7	1334.3	1221.1
65°	2739.6	2636.4	2522.0	2413.9	2297.5	2172.5	2039.2	1908.3	1777.3	1639.8	1498.7
62.5°	3341.3	3208.6	3071.7	2932.7	2782.2	2620.7	2458.3	2301.9	2137.2	1967.0	1808.6
60°	4025.2	3856.5	3693.8	3516.7	3325.1	3121.9	2932.7	2732.6	2522.0	2332.1	2135.0
57.5°	4806.1	4597.8	4393.1	4169.7	3928.4	3693.8	3454.9	3202.6	2964.2	2724.2	2480.5
55°	5729.7	5477.0	5205.3	4909.2	4605.0	4323.8	4025.2	3728.7	3441.3	3141.2	2870.6
52.5°	6771.3	6465.1	6127.8	5760.6	5403.7	5033.5	4647.2	4306.8	3950.2	3614.2	3278.7
50°	8010.1	7609.1	7168.0	6711.0	6283.4	5827.3	5385.8	4940.9	4511.0	4112.3	3718.9
47.5°	9401.0	8904.6	8359.3	7821.6	7265.8	6699.1	6180.7	5641.5	5143.5	4634.7	4193.9
45°	10985.5	10356.6	9682.7	9045.6	8362.9	7707.8	7038.6	6419.7	5813.4	5245.5	4676.2
42.5°	12762.5	11986.2	11197.5	10395.2	9572.0	8796.1	8006.9	7259.7	6540.1	5872.7	5245.5
40°	14753.7	13780.7	12860.4	11876.2	10926.1	9955.5	9059.3	8157.8	7333.9	6540.1	5813.4
37.5°	16948.2	15827.3	14687.0	13499.2	12378.2	11249.2	10166.7	9147.6	8157.8	7259.7	6419.7
35°	19305.0	18012.0	16659.2	15303.5	13914.1	12632.0	11357.6	10166.7	9059.3	8006.9	7038.6
32.5°	21864.1	20351.6	18737.6	17190.3	15615.7	14066.2	12632.0	11249.2	9955.5	8796.1	7707.8
30°	24617.5	22823.2	20992.2	19132.0	17369.0	15615.7	13914.1	12378.2	10926.1	9572.0	8362.9
27.5°	27515.5	25385.5	23315.6	21208.0	19132.0	17190.3	15303.5	13499.2	11876.2	10395.2	9045.6
25°	30388.6	28106.6	25670.0	23315.6	20992.2	18737.6	16659.2	14687.0	12860.4	11197.5	9682.7
22.5°	33170.8	30698.5	28106.6	25385.5	22823.2	20351.6	18012.0	15827.3	13780.7	11986.2	10356.6
20°	35990.9	33170.8	30388.6	27515.5	24617.5	21864.1	19305.0	16948.2	14753.7	12762.5	10985.5
17.5°	38795.2	35620.8	32495.1	29472.1	26355.6	23374.5	20581.1	17996.4	15631.4	13461.2	11550.3
15°	41446.0	37950.1	34529.6	31229.3	27981.3	24731.5	21716.1	18929.3	16431.2	14134.0	12109.1
12.5°	43870.4	40108.5	36344.1	32770.7	29398.7	25971.3	22775.7	19834.3	17170.6	14750.0	12597.2
10°	45952.1	41975.0	37980.9	34172.4	30586.7	27062.6	23681.4	20588.0	17784.9	15260.9	13001.3
7.5°	47608.9	43503.2	39325.7	35293.0	31532.2	27928.2	24397.8	21182.7	18268.8	15662.8	13318.7
5°	48839.8	44629.9	40311.4	36110.8	32219.8	28556.0	24916.1	21612.4	18617.9	15952.2	13547.1
2.5°	49599.3	45321.1	40913.6	36608.7	32637.5	28936.6	25229.9	21872.1	18828.7	16126.9	13684.9
0°	49856.2	45554.2	41116.2	36776.0	32777.6	29064.1	25335.0	21959.0	18899.2	16185.3	13730.9
-2.5°	49599.3	45321.1	40913.6	36608.7	32637.5	28936.6	25229.9	21872.1	18828.7	16126.9	13684.9
-5°	48839.8	44629.9	40311.4	36110.8	32219.8	28556.0	24916.1	21612.4	18617.9	15952.2	13547.1
-7.5°	47608.9	43503.2	39325.7	35293.0	31532.2	27928.2	24397.8	21182.7	18268.8	15662.8	13318.7
-10°	45952.1	41975.0	37980.9	34172.4	30586.7	27062.6	23681.4	20588.0	17784.9	15260.9	13001.3
-12.5°	43870.4	40108.5	36344.1	32770.7	29398.7	25971.3	22775.7	19834.3	17170.6	14750.0	12597.2
-15°	41446.0	37950.1	34529.6	31229.3	27981.3	24731.5	21716.1	18929.3	16431.2	14134.0	12109.1
-17.5°	38795.2	35620.8	32495.1	29472.1	26355.6	23374.5	20581.1	17996.4	15631.4	13461.2	11550.3
-20°	35990.9	33170.8	30388.6	27515.5	24617.5	21864.1	19305.0	16948.2	14753.7	12762.5	10985.5



REPORT NUMBER: P731245 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	33170.8	30698.5	28106.6	25385.5	22823.2	20351.6	18012.0	15827.3	13780.7	11986.2	10356.6
-25°	30388.6	28106.6	25670.0	23315.6	20992.2	18737.6	16659.2	14687.0	12860.4	11197.5	9682.7
-27.5°	27515.5	25385.5	23315.6	21208.0	19132.0	17190.3	15303.5	13499.2	11876.2	10395.2	9045.6
-30°	24617.5	22823.2	20992.2	19132.0	17369.0	15615.7	13914.1	12378.2	10926.1	9572.0	8362.9
-32.5°	21864.1	20351.6	18737.6	17190.3	15615.7	14066.2	12632.0	11249.2	9955.5	8796.1	7707.8
-35°	19305.0	18012.0	16659.2	15303.5	13914.1	12632.0	11357.6	10166.7	9059.3	8006.9	7038.6
-37.5°	16948.2	15827.3	14687.0	13499.2	12378.2	11249.2	10166.7	9147.6	8157.8	7259.7	6419.7
-40°	14753.7	13780.7	12860.4	11876.2	10926.1	9955.5	9059.3	8157.8	7333.9	6540.1	5813.4
-42.5°	12762.5	11986.2	11197.5	10395.2	9572.0	8796.1	8006.9	7259.7	6540.1	5872.7	5245.5
-45°	10985.5	10356.6	9682.7	9045.6	8362.9	7707.8	7038.6	6419.7	5813.4	5245.5	4676.2
-47.5°	9401.0	8904.6	8359.3	7821.6	7265.8	6699.1	6180.7	5641.5	5143.5	4634.7	4193.9
-50°	8010.1	7609.1	7168.0	6711.0	6283.4	5827.3	5385.8	4940.9	4511.0	4112.3	3718.9
-52.5°	6771.3	6465.1	6127.8	5760.6	5403.7	5033.5	4647.2	4306.8	3950.2	3614.2	3278.7
-55°	5729.7	5477.0	5205.3	4909.2	4605.0	4323.8	4025.2	3728.7	3441.3	3141.2	2870.6
-57.5°	4806.1	4597.8	4393.1	4169.7	3928.4	3693.8	3454.9	3202.6	2964.2	2724.2	2480.5
-60°	4025.2	3856.5	3693.8	3516.7	3325.1	3121.9	2932.7	2732.6	2522.0	2332.1	2135.0
-62.5°	3341.3	3208.6	3071.7	2932.7	2782.2	2620.7	2458.3	2301.9	2137.2	1967.0	1808.6
-65°	2739.6	2636.4	2522.0	2413.9	2297.5	2172.5	2039.2	1908.3	1777.3	1639.8	1498.7
-67.5°	2213.9	2135.0	2047.5	1955.7	1864.3	1766.0	1661.1	1549.8	1442.7	1334.3	1221.1
-70°	1750.6	1689.4	1621.6	1547.2	1472.7	1396.4	1314.9	1228.4	1137.1	1051.9	968.1
-72.5°	1338.5	1291.8	1240.0	1183.3	1121.6	1063.6	1004.4	941.5	875.1	805.2	737.7
-75°	979.2	946.0	909.2	868.8	824.9	777.7	733.6	689.7	643.3	594.5	543.3
-77.5°	676.9	654.4	629.5	602.1	572.3	540.3	505.9	472.3	442.3	410.7	377.6
-80°	428.9	415.0	399.5	382.5	364.1	344.2	322.9	300.3	276.3	255.2	237.3
-82.5°	236.9	229.9	222.1	213.5	204.2	194.1	183.4	171.9	159.8	147.1	133.7
-85°	106.5	104.0	101.1	98.0	94.6	90.9	87.0	82.8	78.4	73.7	68.8
-87.5°	33.3	32.7	32.1	31.4	30.7	29.9	29.0	28.1	27.1	26.1	25.0
-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: P731245 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-80-7F-HEG

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°	23.9	22.8	21.5	20.3	19.0	17.7	16.3	15.0	13.5	12.1	10.6
85°	63.7	58.4	52.9	47.2	41.4	35.4	32.7	29.9	27.1	24.2	21.3
82.5°	119.8	110.2	102.0	93.4	84.6	75.6	66.3	56.8	47.2	37.3	31.9
80°	218.7	199.4	179.3	158.5	137.1	115.7	103.3	90.7	77.8	64.7	51.4
77.5°	343.0	307.1	269.9	242.0	215.2	187.8	159.7	130.9	108.2	91.9	75.3
75°	490.0	445.1	400.4	354.3	306.8	259.9	226.2	191.7	156.6	120.9	98.9
72.5°	675.4	610.6	543.6	476.2	420.8	363.9	305.7	252.0	211.1	169.6	127.4
70°	880.8	790.3	708.6	629.6	548.3	468.7	402.3	334.5	265.5	217.6	169.6
67.5°	1103.7	1001.7	896.2	787.5	691.6	597.9	502.1	421.6	344.2	265.5	211.1
65°	1367.5	1231.4	1093.4	972.6	848.6	729.0	622.8	514.5	421.6	334.5	252.0
62.5°	1643.9	1478.7	1324.0	1164.9	1018.8	879.3	741.5	622.8	502.1	402.3	305.7
60°	1936.9	1750.6	1558.5	1380.0	1202.0	1034.3	879.3	729.0	597.9	468.7	363.9
57.5°	2258.2	2028.6	1815.2	1601.4	1398.7	1202.0	1018.8	848.6	691.6	548.3	420.8
55°	2591.0	2332.8	2078.0	1836.8	1601.4	1380.0	1164.9	972.6	787.5	629.6	476.2
52.5°	2959.2	2649.6	2357.7	2078.0	1815.2	1558.5	1324.0	1093.4	896.2	708.6	543.6
50°	3347.8	2988.8	2649.6	2332.8	2028.6	1750.6	1478.7	1231.4	1001.7	790.3	610.6
47.5°	3754.0	3347.8	2959.2	2591.0	2258.2	1936.9	1643.9	1367.5	1103.7	880.8	675.4
45°	4193.9	3718.9	3278.7	2870.6	2480.5	2135.0	1808.6	1498.7	1221.1	968.1	737.7
42.5°	4634.7	4112.3	3614.2	3141.2	2724.2	2332.1	1967.0	1639.8	1334.3	1051.9	805.2
40°	5143.5	4511.0	3950.2	3441.3	2964.2	2522.0	2137.2	1777.3	1442.7	1137.1	875.1
37.5°	5641.5	4940.9	4306.8	3728.7	3202.6	2732.6	2301.9	1908.3	1549.8	1228.4	941.5
35°	6180.7	5385.8	4647.2	4025.2	3454.9	2932.7	2458.3	2039.2	1661.1	1314.9	1004.4
32.5°	6699.1	5827.3	5033.5	4323.8	3693.8	3121.9	2620.7	2172.5	1766.0	1396.4	1063.6
30°	7265.8	6283.4	5403.7	4605.0	3928.4	3325.1	2782.2	2297.5	1864.3	1472.7	1121.6
27.5°	7821.6	6711.0	5760.6	4909.2	4169.7	3516.7	2932.7	2413.9	1955.7	1547.2	1183.3
25°	8359.3	7168.0	6127.8	5205.3	4393.1	3693.8	3071.7	2522.0	2047.5	1621.6	1240.0
22.5°	8904.6	7609.1	6465.1	5477.0	4597.8	3856.5	3208.6	2636.4	2135.0	1689.4	1291.8
20°	9401.0	8010.1	6771.3	5729.7	4806.1	4025.2	3341.3	2739.6	2213.9	1750.6	1338.5
17.5°	9858.4	8393.3	7091.2	5980.6	5006.9	4175.5	3459.5	2831.4	2284.1	1805.0	1380.0
15°	10316.8	8753.3	7380.5	6200.3	5182.6	4306.8	3562.6	2911.6	2345.3	1852.4	1416.1
12.5°	10709.6	9061.4	7627.7	6387.9	5332.5	4418.8	3650.6	2979.8	2397.4	1892.7	1446.8
10°	11034.4	9315.8	7831.7	6542.5	5455.9	4511.0	3722.9	3036.0	2440.2	1925.9	1472.1
7.5°	11289.2	9515.2	7991.5	6663.5	5552.5	4583.1	3779.4	3079.8	2473.6	1951.7	1491.8
5°	11472.4	9658.5	8106.2	6750.4	5621.7	4634.7	3819.9	3111.2	2497.6	1970.3	1505.9
2.5°	11582.8	9744.8	8175.2	6802.6	5663.4	4665.8	3844.3	3130.1	2512.0	1981.4	1514.4
0°	11619.7	9773.6	8198.3	6820.1	5677.3	4676.2	3852.4	3136.4	2516.8	1985.1	1517.2
-2.5°	11582.8	9744.8	8175.2	6802.6	5663.4	4665.8	3844.3	3130.1	2512.0	1981.4	1514.4
-5°	11472.4	9658.5	8106.2	6750.4	5621.7	4634.7	3819.9	3111.2	2497.6	1970.3	1505.9
-7.5°	11289.2	9515.2	7991.5	6663.5	5552.5	4583.1	3779.4	3079.8	2473.6	1951.7	1491.8
-10°	11034.4	9315.8	7831.7	6542.5	5455.9	4511.0	3722.9	3036.0	2440.2	1925.9	1472.1
-12.5°	10709.6	9061.4	7627.7	6387.9	5332.5	4418.8	3650.6	2979.8	2397.4	1892.7	1446.8
-15°	10316.8	8753.3	7380.5	6200.3	5182.6	4306.8	3562.6	2911.6	2345.3	1852.4	1416.1
-17.5°	9858.4	8393.3	7091.2	5980.6	5006.9	4175.5	3459.5	2831.4	2284.1	1805.0	1380.0
-20°	9401.0	8010.1	6771.3	5729.7	4806.1	4025.2	3341.3	2739.6	2213.9	1750.6	1338.5



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	8904.6	7609.1	6465.1	5477.0	4597.8	3856.5	3208.6	2636.4	2135.0	1689.4	1291.8
-25°	8359.3	7168.0	6127.8	5205.3	4393.1	3693.8	3071.7	2522.0	2047.5	1621.6	1240.0
-27.5°	7821.6	6711.0	5760.6	4909.2	4169.7	3516.7	2932.7	2413.9	1955.7	1547.2	1183.3
-30°	7265.8	6283.4	5403.7	4605.0	3928.4	3325.1	2782.2	2297.5	1864.3	1472.7	1121.6
-32.5°	6699.1	5827.3	5033.5	4323.8	3693.8	3121.9	2620.7	2172.5	1766.0	1396.4	1063.6
-35°	6180.7	5385.8	4647.2	4025.2	3454.9	2932.7	2458.3	2039.2	1661.1	1314.9	1004.4
-37.5°	5641.5	4940.9	4306.8	3728.7	3202.6	2732.6	2301.9	1908.3	1549.8	1228.4	941.5
-40°	5143.5	4511.0	3950.2	3441.3	2964.2	2522.0	2137.2	1777.3	1442.7	1137.1	875.1
-42.5°	4634.7	4112.3	3614.2	3141.2	2724.2	2332.1	1967.0	1639.8	1334.3	1051.9	805.2
-45°	4193.9	3718.9	3278.7	2870.6	2480.5	2135.0	1808.6	1498.7	1221.1	968.1	737.7
-47.5°	3754.0	3347.8	2959.2	2591.0	2258.2	1936.9	1643.9	1367.5	1103.7	880.8	675.4
-50°	3347.8	2988.8	2649.6	2332.8	2028.6	1750.6	1478.7	1231.4	1001.7	790.3	610.6
-52.5°	2959.2	2649.6	2357.7	2078.0	1815.2	1558.5	1324.0	1093.4	896.2	708.6	543.6
-55°	2591.0	2332.8	2078.0	1836.8	1601.4	1380.0	1164.9	972.6	787.5	629.6	476.2
-57.5°	2258.2	2028.6	1815.2	1601.4	1398.7	1202.0	1018.8	848.6	691.6	548.3	420.8
-60°	1936.9	1750.6	1558.5	1380.0	1202.0	1034.3	879.3	729.0	597.9	468.7	363.9
-62.5°	1643.9	1478.7	1324.0	1164.9	1018.8	879.3	741.5	622.8	502.1	402.3	305.7
-65°	1367.5	1231.4	1093.4	972.6	848.6	729.0	622.8	514.5	421.6	334.5	252.0
-67.5°	1103.7	1001.7	896.2	787.5	691.6	597.9	502.1	421.6	344.2	265.5	211.1
-70°	880.8	790.3	708.6	629.6	548.3	468.7	402.3	334.5	265.5	217.6	169.6
-72.5°	675.4	610.6	543.6	476.2	420.8	363.9	305.7	252.0	211.1	169.6	127.4
-75°	490.0	445.1	400.4	354.3	306.8	259.9	226.2	191.7	156.6	120.9	98.9
-77.5°	343.0	307.1	269.9	242.0	215.2	187.8	159.7	130.9	108.2	91.9	75.3
-80°	218.7	199.4	179.3	158.5	137.1	115.7	103.3	90.7	77.8	64.7	51.4
-82.5°	119.8	110.2	102.0	93.4	84.6	75.6	66.3	56.8	47.2	37.3	31.9
-85°	63.7	58.4	52.9	47.2	41.4	35.4	32.7	29.9	27.1	24.2	21.3
-87.5°	23.9	22.8	21.5	20.3	19.0	17.7	16.3	15.0	13.5	12.1	10.6
-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: P731245 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	9.2	7.7	6.1	4.6	3.1	1.5	0.0
85°	18.3	15.3	12.3	9.2	6.2	3.1	0.0
82.5°	27.4	22.9	18.4	13.8	9.2	4.6	0.0
80°	37.9	30.5	24.5	18.4	12.3	6.1	0.0
77.5°	58.4	41.4	30.5	22.9	15.3	7.7	0.0
75°	78.8	58.4	37.9	27.4	18.3	9.2	0.0
72.5°	98.9	75.3	51.4	31.9	21.3	10.6	0.0
70°	120.9	91.9	64.7	37.3	24.2	12.1	0.0
67.5°	156.6	108.2	77.8	47.2	27.1	13.5	0.0
65°	191.7	130.9	90.7	56.8	29.9	15.0	0.0
62.5°	226.2	159.7	103.3	66.3	32.7	16.3	0.0
60°	259.9	187.8	115.7	75.6	35.4	17.7	0.0
57.5°	306.8	215.2	137.1	84.6	41.4	19.0	0.0
55°	354.3	242.0	158.5	93.4	47.2	20.3	0.0
52.5°	400.4	269.9	179.3	102.0	52.9	21.5	0.0
50°	445.1	307.1	199.4	110.2	58.4	22.8	0.0
47.5°	490.0	343.0	218.7	119.8	63.7	23.9	0.0
45°	543.3	377.6	237.3	133.7	68.8	25.0	0.0
42.5°	594.5	410.7	255.2	147.1	73.7	26.1	0.0
40°	643.3	442.3	276.3	159.8	78.4	27.1	0.0
37.5°	689.7	472.3	300.3	171.9	82.8	28.1	0.0
35°	733.6	505.9	322.9	183.4	87.0	29.0	0.0
32.5°	777.7	540.3	344.2	194.1	90.9	29.9	0.0
30°	824.9	572.3	364.1	204.2	94.6	30.7	0.0
27.5°	868.8	602.1	382.5	213.5	98.0	31.4	0.0
25°	909.2	629.5	399.5	222.1	101.1	32.1	0.0
22.5°	946.0	654.4	415.0	229.9	104.0	32.7	0.0
20°	979.2	676.9	428.9	236.9	106.5	33.3	0.0
17.5°	1008.6	696.9	441.3	243.1	108.8	33.8	0.0
15°	1034.3	714.2	452.0	248.6	110.8	34.2	0.0
12.5°	1056.1	729.0	461.2	253.2	112.5	34.6	0.0
10°	1074.0	741.1	468.7	256.9	113.8	34.9	0.0
7.5°	1088.0	750.6	474.6	259.9	114.9	35.1	0.0
5°	1098.0	757.4	478.7	262.0	115.7	35.3	0.0
2.5°	1104.0	761.4	481.3	263.3	116.1	35.4	0.0
0°	1106.0	762.8	482.1	263.7	116.3	35.4	0.0
-2.5°	1104.0	761.4	481.3	263.3	116.1	35.4	0.0
-5°	1098.0	757.4	478.7	262.0	115.7	35.3	0.0
-7.5°	1088.0	750.6	474.6	259.9	114.9	35.1	0.0
-10°	1074.0	741.1	468.7	256.9	113.8	34.9	0.0
-12.5°	1056.1	729.0	461.2	253.2	112.5	34.6	0.0
-15°	1034.3	714.2	452.0	248.6	110.8	34.2	0.0
-17.5°	1008.6	696.9	441.3	243.1	108.8	33.8	0.0
-20°	979.2	676.9	428.9	236.9	106.5	33.3	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	946.0	654.4	415.0	229.9	104.0	32.7	0.0
-25°	909.2	629.5	399.5	222.1	101.1	32.1	0.0
-27.5°	868.8	602.1	382.5	213.5	98.0	31.4	0.0
-30°	824.9	572.3	364.1	204.2	94.6	30.7	0.0
-32.5°	777.7	540.3	344.2	194.1	90.9	29.9	0.0
-35°	733.6	505.9	322.9	183.4	87.0	29.0	0.0
-37.5°	689.7	472.3	300.3	171.9	82.8	28.1	0.0
-40°	643.3	442.3	276.3	159.8	78.4	27.1	0.0
-42.5°	594.5	410.7	255.2	147.1	73.7	26.1	0.0
-45°	543.3	377.6	237.3	133.7	68.8	25.0	0.0
-47.5°	490.0	343.0	218.7	119.8	63.7	23.9	0.0
-50°	445.1	307.1	199.4	110.2	58.4	22.8	0.0
-52.5°	400.4	269.9	179.3	102.0	52.9	21.5	0.0
-55°	354.3	242.0	158.5	93.4	47.2	20.3	0.0
-57.5°	306.8	215.2	137.1	84.6	41.4	19.0	0.0
-60°	259.9	187.8	115.7	75.6	35.4	17.7	0.0
-62.5°	226.2	159.7	103.3	66.3	32.7	16.3	0.0
-65°	191.7	130.9	90.7	56.8	29.9	15.0	0.0
-67.5°	156.6	108.2	77.8	47.2	27.1	13.5	0.0
-70°	120.9	91.9	64.7	37.3	24.2	12.1	0.0
-72.5°	98.9	75.3	51.4	31.9	21.3	10.6	0.0
-75°	78.8	58.4	37.9	27.4	18.3	9.2	0.0
-77.5°	58.4	41.4	30.5	22.9	15.3	7.7	0.0
-80°	37.9	30.5	24.5	18.4	12.3	6.1	0.0
-82.5°	27.4	22.9	18.4	13.8	9.2	4.6	0.0
-85°	18.3	15.3	12.3	9.2	6.2	3.1	0.0
-87.5°	9.2	7.7	6.1	4.6	3.1	1.5	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

