

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: P731268 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-5S-HEG**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731268 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-08-0530N-57-80-5S-HEG
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

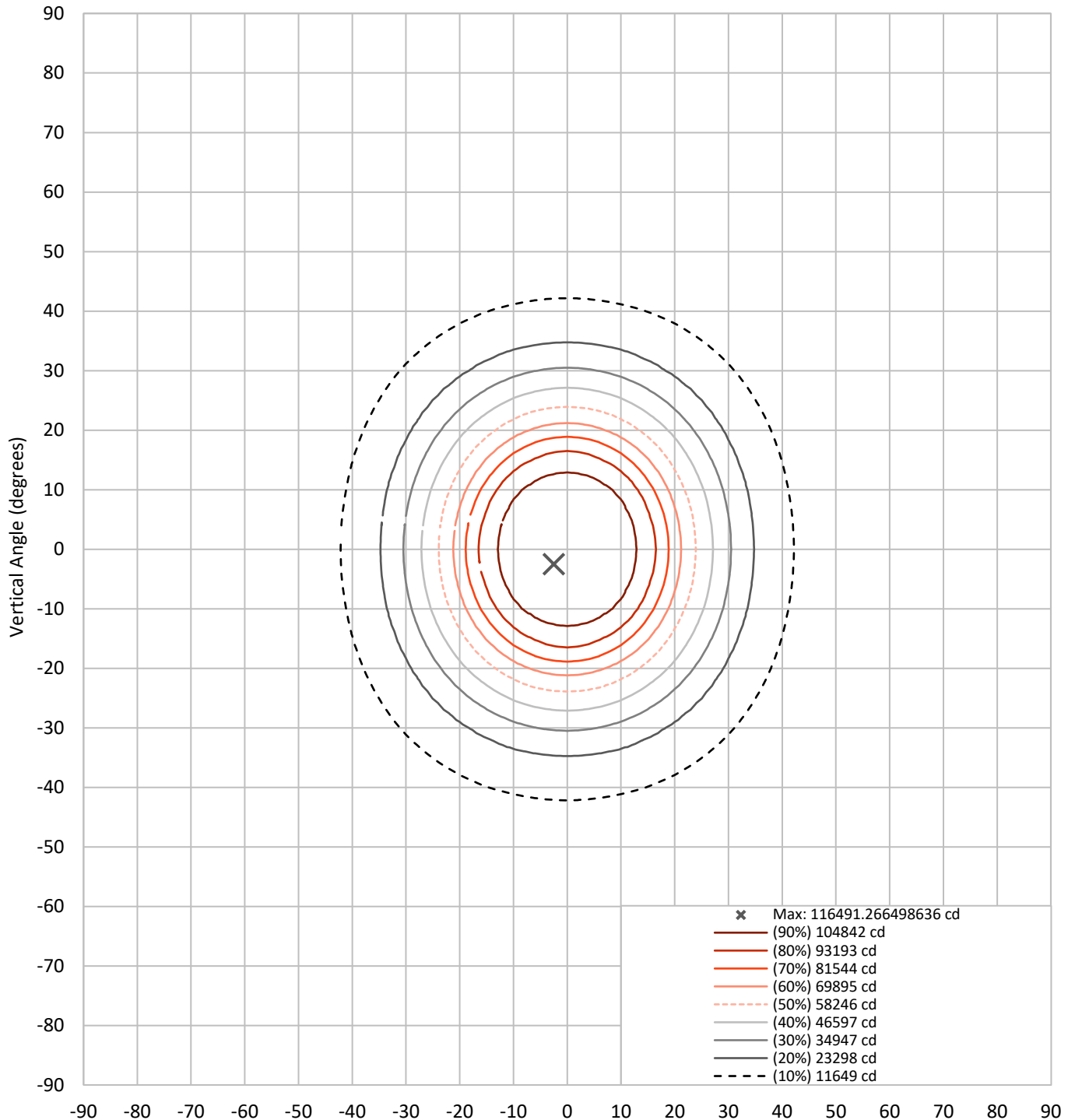
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	85148.1 lumens	Max Intensity:	116491.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	152.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	47768 lumens	Field Lumens:	79336.9 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%

Input Watts (W): 559.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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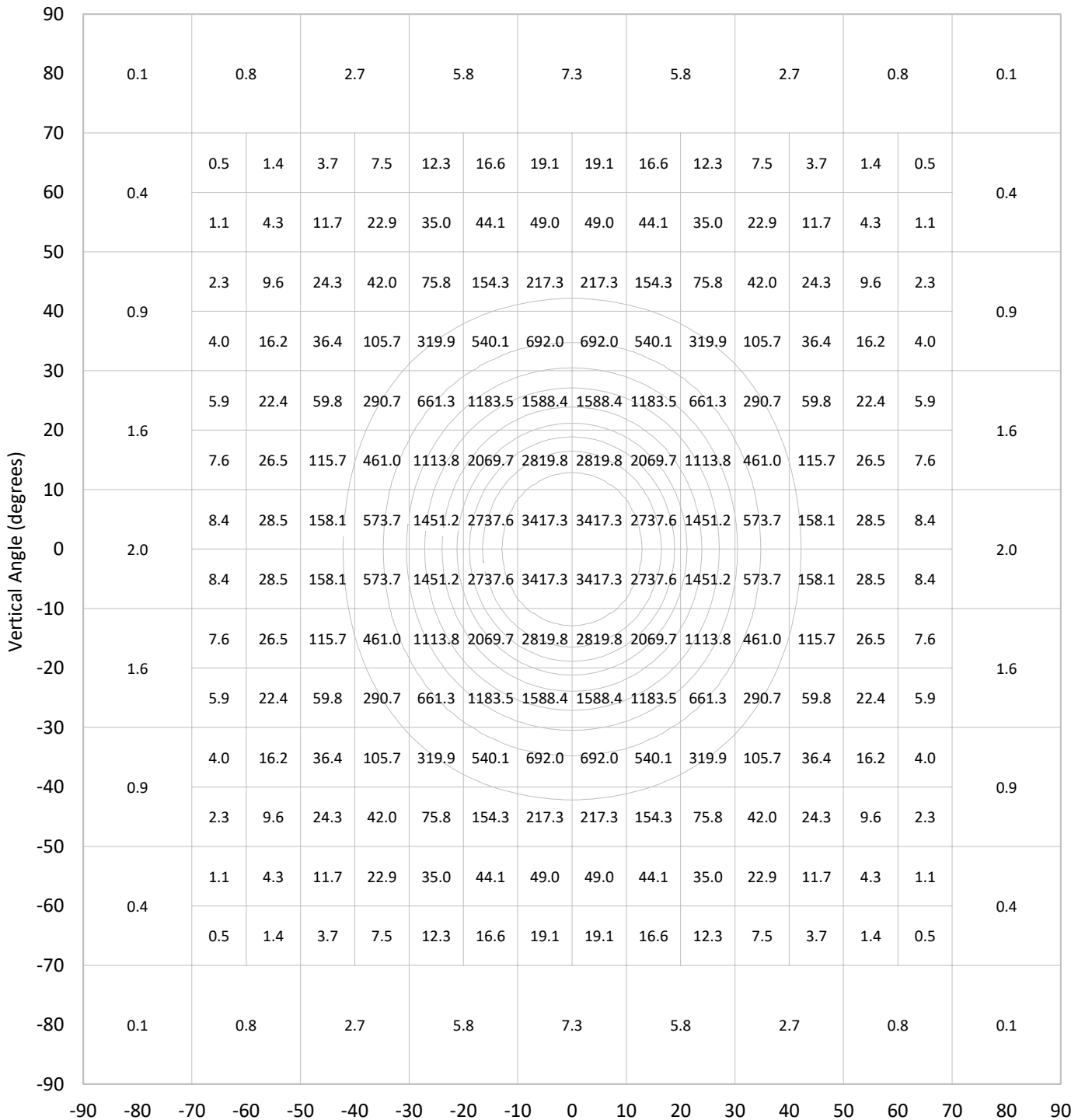
Iso-Candela Plot





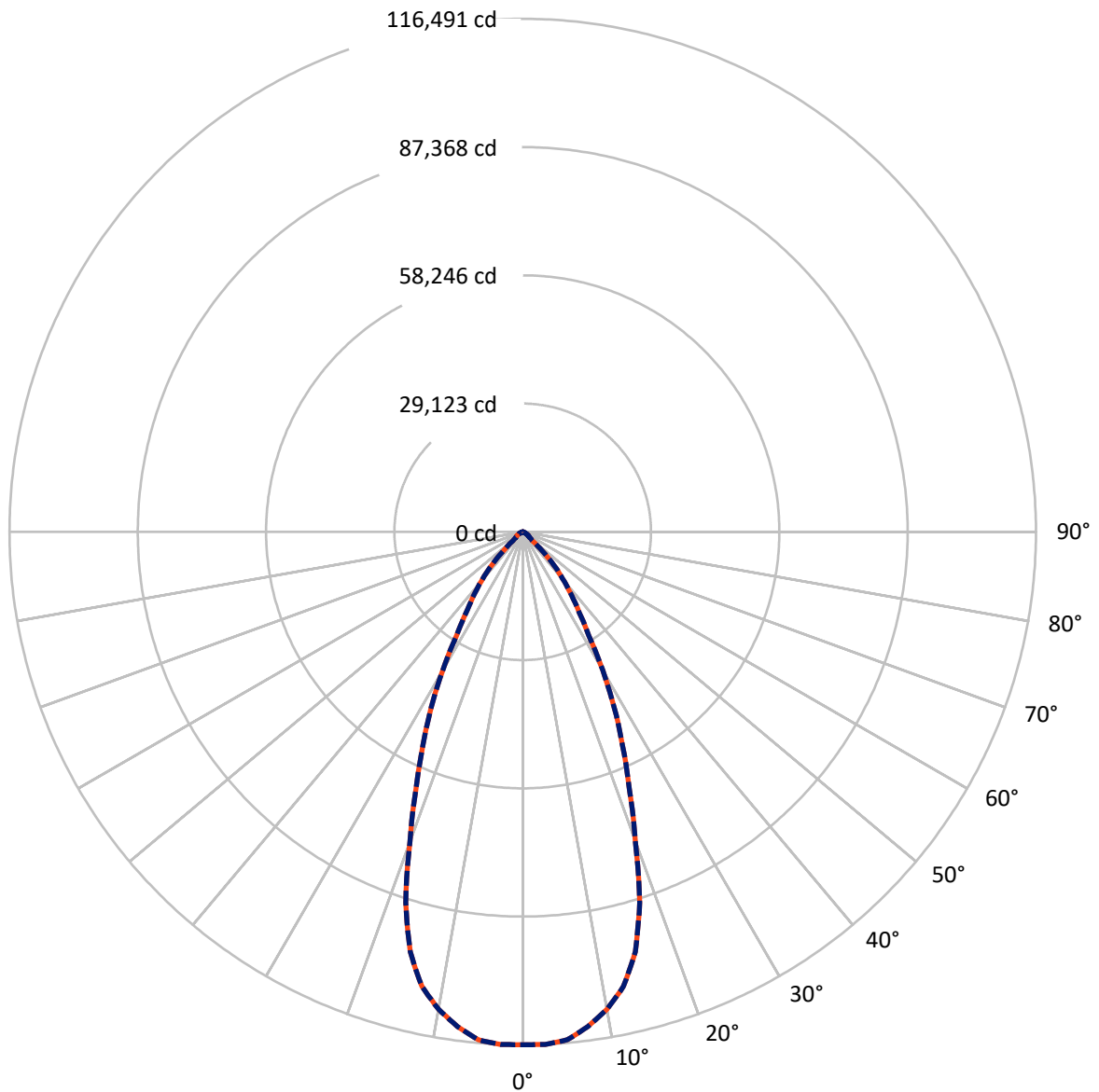
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Lumen Table



REPORT NUMBER: P731268 (CONVERTED FROM TYPE C PHOTOMETRY)
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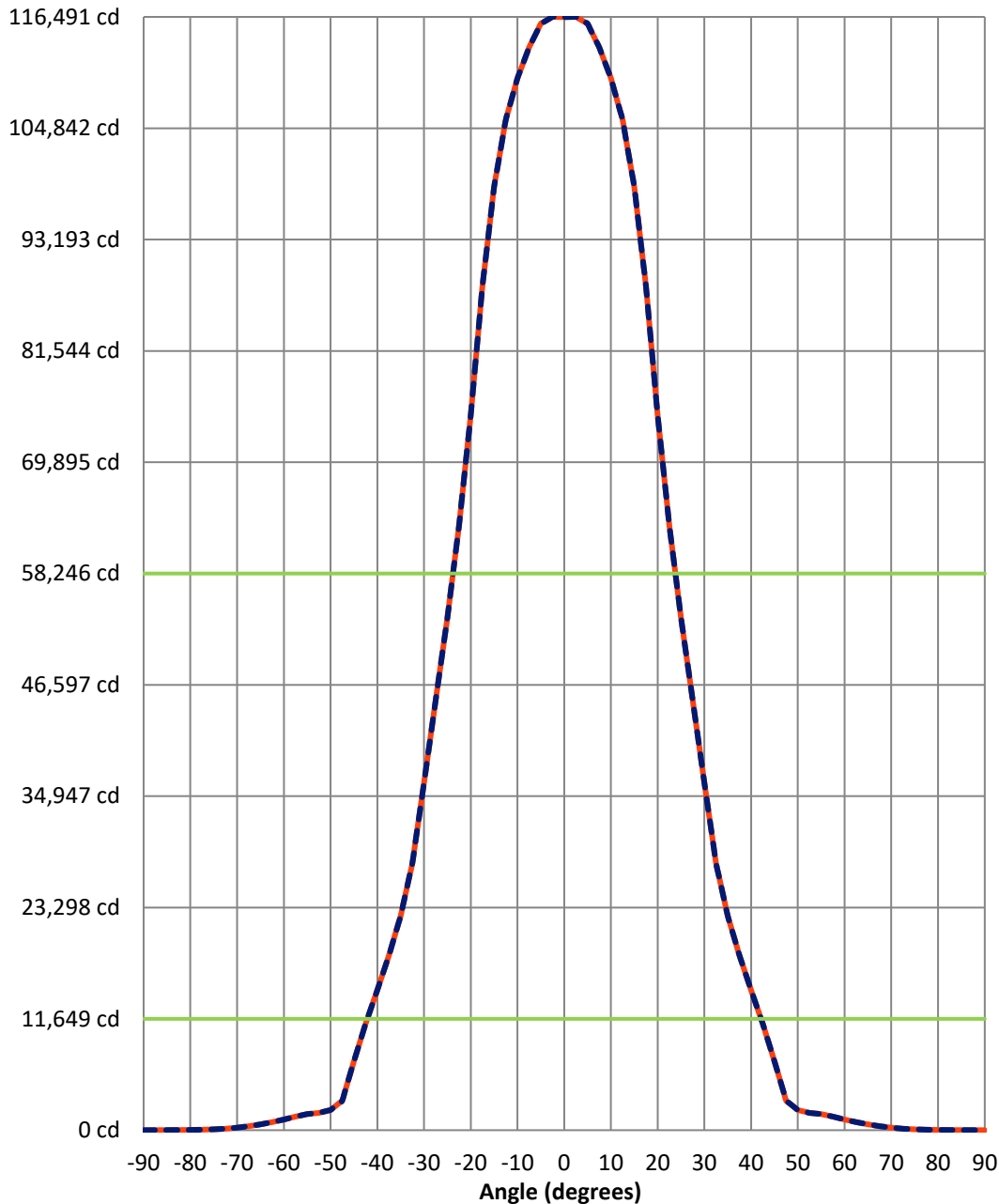
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 47.6°
 V Angle: 47.6°
 Lumens: 47768
 Efficiency: 56.1%

Field:
 H Angle: 84.3°
 V Angle: 84.3°
 Lumens: 79336.9
 Efficiency: 93.2%

Spill:
 Lumens: 5811.2
 Efficiency: 6.8%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through -2.5-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
85°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.8
82.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.1	5.8	6.5	7.2
80°	0.0	1.0	2.0	3.0	3.9	4.9	5.9	6.8	7.7	8.6	9.5
77.5°	0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.5	9.6	10.7	12.0
75°	0.0	1.5	2.9	4.4	5.9	7.3	8.7	10.1	11.5	13.2	14.9
72.5°	0.0	1.7	3.4	5.1	6.8	8.5	10.1	11.8	13.9	15.9	17.8
70°	0.0	1.9	3.9	5.8	7.7	9.6	11.5	13.9	16.2	18.5	21.6
67.5°	0.0	2.2	4.4	6.5	8.6	10.7	13.2	15.9	18.5	22.0	25.6
65°	0.0	2.4	4.8	7.2	9.5	12.0	14.9	17.8	21.6	25.6	30.9
62.5°	0.0	2.6	5.3	7.8	10.4	13.4	16.6	20.3	24.7	29.9	39.6
60°	0.0	2.8	5.7	8.5	11.3	14.7	18.2	22.9	27.7	37.6	48.2
57.5°	0.0	3.1	6.1	9.1	12.3	16.1	20.4	25.5	33.6	45.2	61.1
55°	0.0	3.3	6.5	9.7	13.3	17.4	22.5	28.0	40.2	53.8	76.0
52.5°	0.0	3.5	6.9	10.3	14.3	18.7	24.6	33.3	46.5	66.8	90.4
50°	0.0	3.7	7.3	10.9	15.3	20.4	26.6	38.6	54.2	79.4	110.0
47.5°	0.0	3.9	7.7	11.5	16.2	22.0	28.9	43.9	65.0	91.6	129.7
45°	0.0	4.0	8.0	12.1	17.1	23.6	33.2	48.9	75.4	108.5	148.6
42.5°	0.0	4.2	8.4	12.8	18.0	25.1	37.3	56.0	85.4	124.9	180.9
40°	0.0	4.4	8.7	13.4	19.0	26.5	41.3	64.3	96.4	140.5	214.2
37.5°	0.0	4.5	9.0	14.0	20.1	27.9	45.0	72.3	109.6	159.2	245.8
35°	0.0	4.7	9.3	14.5	21.1	30.2	48.6	79.8	122.1	186.1	280.1
32.5°	0.0	4.8	9.5	15.0	22.0	33.0	52.7	86.8	133.9	211.4	318.7
30°	0.0	4.9	9.8	15.5	23.0	35.6	58.3	94.2	144.9	235.2	355.0
27.5°	0.0	5.1	10.0	16.0	23.8	38.0	63.6	103.1	158.6	257.3	388.7
25°	0.0	5.2	10.2	16.4	24.6	40.2	68.4	111.3	176.5	282.5	420.1
22.5°	0.0	5.3	10.4	16.8	25.3	42.2	72.8	118.7	192.9	307.8	455.6
20°	0.0	5.4	10.6	17.1	25.9	44.0	76.7	125.5	207.7	330.7	487.6
17.5°	0.0	5.4	10.8	17.4	26.4	45.6	80.3	131.5	220.9	351.1	516.1
15°	0.0	5.5	10.9	17.7	26.9	47.0	83.3	136.7	232.3	368.8	541.0
12.5°	0.0	5.6	11.0	17.9	27.4	48.2	85.9	141.1	242.1	383.9	562.1
10°	0.0	5.6	11.1	18.1	27.7	49.2	88.1	144.8	250.1	396.3	579.5
7.5°	0.0	5.7	11.2	18.2	28.0	49.9	89.7	147.6	256.3	406.0	593.1
5°	0.0	5.7	11.3	18.3	28.1	50.5	90.9	149.7	260.8	412.9	602.9
2.5°	0.0	5.7	11.3	18.4	28.3	50.8	91.7	150.9	263.5	417.1	608.7
0°	0.0	5.7	11.3	18.4	28.3	50.9	91.9	151.3	264.4	418.5	610.7
-2.5°	0.0	5.7	11.3	18.4	28.3	50.9	91.9	151.3	264.4	418.5	610.7
-5°	0.0	5.7	11.3	18.3	28.1	50.5	90.9	149.7	260.8	412.9	602.9
-7.5°	0.0	5.7	11.2	18.2	28.0	49.9	89.7	147.6	256.3	406.0	593.1
-10°	0.0	5.6	11.1	18.1	27.7	49.2	88.1	144.8	250.1	396.3	579.5
-12.5°	0.0	5.6	11.0	17.9	27.4	48.2	85.9	141.1	242.1	383.9	562.1
-15°	0.0	5.5	10.9	17.7	26.9	47.0	83.3	136.7	232.3	368.8	541.0
-17.5°	0.0	5.4	10.8	17.4	26.4	45.6	80.3	131.5	220.9	351.1	516.1
-20°	0.0	5.4	10.6	17.1	25.9	44.0	76.7	125.5	207.7	330.7	487.6



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.3	10.4	16.8	25.3	42.2	72.8	118.7	192.9	307.8	455.6
-25°	0.0	5.2	10.2	16.4	24.6	40.2	68.4	111.3	176.5	282.5	420.1
-27.5°	0.0	5.1	10.0	16.0	23.8	38.0	63.6	103.1	158.6	257.3	388.7
-30°	0.0	4.9	9.8	15.5	23.0	35.6	58.3	94.2	144.9	235.2	355.0
-32.5°	0.0	4.8	9.5	15.0	22.0	33.0	52.7	86.8	133.9	211.4	318.7
-35°	0.0	4.7	9.3	14.5	21.1	30.2	48.6	79.8	122.1	186.1	280.1
-37.5°	0.0	4.5	9.0	14.0	20.1	27.9	45.0	72.3	109.6	159.2	245.8
-40°	0.0	4.4	8.7	13.4	19.0	26.5	41.3	64.3	96.4	140.5	214.2
-42.5°	0.0	4.2	8.4	12.8	18.0	25.1	37.3	56.0	85.4	124.9	180.9
-45°	0.0	4.0	8.0	12.1	17.1	23.6	33.2	48.9	75.4	108.5	148.6
-47.5°	0.0	3.9	7.7	11.5	16.2	22.0	28.9	43.9	65.0	91.6	129.7
-50°	0.0	3.7	7.3	10.9	15.3	20.4	26.6	38.6	54.2	79.4	110.0
-52.5°	0.0	3.5	6.9	10.3	14.3	18.7	24.6	33.3	46.5	66.8	90.4
-55°	0.0	3.3	6.5	9.7	13.3	17.4	22.5	28.0	40.2	53.8	76.0
-57.5°	0.0	3.1	6.1	9.1	12.3	16.1	20.4	25.5	33.6	45.2	61.1
-60°	0.0	2.8	5.7	8.5	11.3	14.7	18.2	22.9	27.7	37.6	48.2
-62.5°	0.0	2.6	5.3	7.8	10.4	13.4	16.6	20.3	24.7	29.9	39.6
-65°	0.0	2.4	4.8	7.2	9.5	12.0	14.9	17.8	21.6	25.6	30.9
-67.5°	0.0	2.2	4.4	6.5	8.6	10.7	13.2	15.9	18.5	22.0	25.6
-70°	0.0	1.9	3.9	5.8	7.7	9.6	11.5	13.9	16.2	18.5	21.6
-72.5°	0.0	1.7	3.4	5.1	6.8	8.5	10.1	11.8	13.9	15.9	17.8
-75°	0.0	1.5	2.9	4.4	5.9	7.3	8.7	10.1	11.5	13.2	14.9
-77.5°	0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.5	9.6	10.7	12.0
-80°	0.0	1.0	2.0	3.0	3.9	4.9	5.9	6.8	7.7	8.6	9.5
-82.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.1	5.8	6.5	7.2
-85°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.8
-87.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
-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: P731268 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-HEG

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°	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.5
85°	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.0	8.4	8.7	9.0
82.5°	7.8	8.5	9.1	9.7	10.3	10.9	11.5	12.1	12.8	13.4	14.0
80°	10.4	11.3	12.3	13.3	14.3	15.3	16.2	17.1	18.0	19.0	20.1
77.5°	13.4	14.7	16.1	17.4	18.7	20.4	22.0	23.6	25.1	26.5	27.9
75°	16.6	18.2	20.4	22.5	24.6	26.6	28.9	33.2	37.3	41.3	45.0
72.5°	20.3	22.9	25.5	28.0	33.3	38.6	43.9	48.9	56.0	64.3	72.3
70°	24.7	27.7	33.6	40.2	46.5	54.2	65.0	75.4	85.4	96.4	109.6
67.5°	29.9	37.6	45.2	53.8	66.8	79.4	91.6	108.5	124.9	140.5	159.2
65°	39.6	48.2	61.1	76.0	90.4	110.0	129.7	148.6	180.9	214.2	245.8
62.5°	49.2	64.8	81.5	100.4	123.4	145.7	181.9	221.7	260.0	308.5	356.2
60°	64.8	83.3	105.8	131.5	161.3	207.7	252.8	307.8	365.0	420.1	485.4
57.5°	81.5	105.8	134.2	171.6	223.3	277.0	343.6	408.0	482.8	557.3	632.4
55°	100.4	131.5	171.6	228.5	291.3	365.2	441.5	528.2	612.3	710.6	804.9
52.5°	123.4	161.3	223.3	291.3	372.4	459.7	555.7	657.3	767.3	877.6	995.2
50°	145.7	207.7	277.0	365.2	459.7	564.9	680.0	801.7	931.0	1062.5	1198.4
47.5°	181.9	252.8	343.6	441.5	555.7	680.0	813.1	957.9	1103.2	1260.8	1414.1
45°	221.7	307.8	408.0	528.2	657.3	801.7	957.9	1116.9	1292.2	1456.8	1597.8
42.5°	260.0	365.0	482.8	612.3	767.3	931.0	1103.2	1292.2	1470.6	1625.8	1728.8
40°	308.5	420.1	557.3	710.6	877.6	1062.5	1260.8	1456.8	1625.8	1735.1	1806.1
37.5°	356.2	485.4	632.4	804.9	995.2	1198.4	1414.1	1597.8	1728.8	1806.1	1995.3
35°	401.5	547.5	715.1	902.3	1107.3	1335.4	1542.2	1709.7	1793.1	1978.1	2328.8
32.5°	450.7	606.2	793.4	1000.8	1226.9	1460.0	1662.8	1767.4	1926.6	2215.5	2910.0
30°	500.8	672.6	870.4	1093.4	1340.9	1566.1	1729.3	1841.8	2078.4	2736.5	4612.3
27.5°	547.5	735.3	950.0	1188.6	1444.5	1665.5	1777.2	1975.4	2451.5	3617.4	6834.4
25°	590.6	793.4	1023.6	1279.8	1529.9	1720.9	1841.1	2100.0	2882.3	5568.2	8824.0
22.5°	634.4	846.7	1091.1	1363.4	1608.3	1758.9	1947.8	2430.8	3835.4	7373.3	10649.4
20°	677.9	902.3	1156.9	1437.3	1679.5	1793.4	2044.9	2768.4	5374.1	8930.8	12210.4
17.5°	716.6	951.9	1218.7	1495.6	1714.2	1847.7	2163.3	3071.6	6758.9	10335.8	13568.0
15°	750.4	995.2	1272.8	1546.7	1739.2	1918.2	2409.4	4078.9	7938.8	11540.8	14773.1
12.5°	779.2	1032.1	1318.9	1590.4	1760.5	1978.5	2620.3	5046.4	8924.9	12498.4	15855.3
10°	802.9	1062.5	1356.9	1626.3	1778.0	2028.2	2794.7	5847.4	9742.8	13294.0	16756.5
7.5°	821.5	1086.2	1386.7	1654.5	1791.8	2067.2	2931.5	6476.6	10386.0	13920.7	17467.7
5°	834.8	1103.2	1408.0	1674.7	1801.7	2095.3	3029.8	6929.3	10849.3	14372.8	17981.4
2.5°	842.7	1113.5	1420.8	1686.8	1807.6	2112.2	3089.1	7202.4	11128.9	14645.8	18292.0
0°	845.4	1116.9	1425.1	1690.9	1809.6	2117.8	3108.9	7293.6	11222.4	14737.1	18395.9
-2.5°	842.7	1113.5	1420.8	1686.8	1807.6	2112.2	3089.1	7202.4	11128.9	14645.8	18292.0
-5°	834.8	1103.2	1408.0	1674.7	1801.7	2095.3	3029.8	6929.3	10849.3	14372.8	17981.4
-7.5°	821.5	1086.2	1386.7	1654.5	1791.8	2067.2	2931.5	6476.6	10386.0	13920.7	17467.7
-10°	802.9	1062.5	1356.9	1626.3	1778.0	2028.2	2794.7	5847.4	9742.8	13294.0	16756.5
-12.5°	779.2	1032.1	1318.9	1590.4	1760.5	1978.5	2620.3	5046.4	8924.9	12498.4	15855.3
-15°	750.4	995.2	1272.8	1546.7	1739.2	1918.2	2409.4	4078.9	7938.8	11540.8	14773.1
-17.5°	716.6	951.9	1218.7	1495.6	1714.2	1847.7	2163.3	3071.6	6758.9	10335.8	13568.0
-20°	677.9	902.3	1156.9	1437.3	1679.5	1793.4	2044.9	2768.4	5374.1	8930.8	12210.4



REPORT NUMBER: P731268 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	634.4	846.7	1091.1	1363.4	1608.3	1758.9	1947.8	2430.8	3835.4	7373.3	10649.4
-25°	590.6	793.4	1023.6	1279.8	1529.9	1720.9	1841.1	2100.0	2882.3	5568.2	8824.0
-27.5°	547.5	735.3	950.0	1188.6	1444.5	1665.5	1777.2	1975.4	2451.5	3617.4	6834.4
-30°	500.8	672.6	870.4	1093.4	1340.9	1566.1	1729.3	1841.8	2078.4	2736.5	4612.3
-32.5°	450.7	606.2	793.4	1000.8	1226.9	1460.0	1662.8	1767.4	1926.6	2215.5	2910.0
-35°	401.5	547.5	715.1	902.3	1107.3	1335.4	1542.2	1709.7	1793.1	1978.1	2328.8
-37.5°	356.2	485.4	632.4	804.9	995.2	1198.4	1414.1	1597.8	1728.8	1806.1	1995.3
-40°	308.5	420.1	557.3	710.6	877.6	1062.5	1260.8	1456.8	1625.8	1735.1	1806.1
-42.5°	260.0	365.0	482.8	612.3	767.3	931.0	1103.2	1292.2	1470.6	1625.8	1728.8
-45°	221.7	307.8	408.0	528.2	657.3	801.7	957.9	1116.9	1292.2	1456.8	1597.8
-47.5°	181.9	252.8	343.6	441.5	555.7	680.0	813.1	957.9	1103.2	1260.8	1414.1
-50°	145.7	207.7	277.0	365.2	459.7	564.9	680.0	801.7	931.0	1062.5	1198.4
-52.5°	123.4	161.3	223.3	291.3	372.4	459.7	555.7	657.3	767.3	877.6	995.2
-55°	100.4	131.5	171.6	228.5	291.3	365.2	441.5	528.2	612.3	710.6	804.9
-57.5°	81.5	105.8	134.2	171.6	223.3	277.0	343.6	408.0	482.8	557.3	632.4
-60°	64.8	83.3	105.8	131.5	161.3	207.7	252.8	307.8	365.0	420.1	485.4
-62.5°	49.2	64.8	81.5	100.4	123.4	145.7	181.9	221.7	260.0	308.5	356.2
-65°	39.6	48.2	61.1	76.0	90.4	110.0	129.7	148.6	180.9	214.2	245.8
-67.5°	29.9	37.6	45.2	53.8	66.8	79.4	91.6	108.5	124.9	140.5	159.2
-70°	24.7	27.7	33.6	40.2	46.5	54.2	65.0	75.4	85.4	96.4	109.6
-72.5°	20.3	22.9	25.5	28.0	33.3	38.6	43.9	48.9	56.0	64.3	72.3
-75°	16.6	18.2	20.4	22.5	24.6	26.6	28.9	33.2	37.3	41.3	45.0
-77.5°	13.4	14.7	16.1	17.4	18.7	20.4	22.0	23.6	25.1	26.5	27.9
-80°	10.4	11.3	12.3	13.3	14.3	15.3	16.2	17.1	18.0	19.0	20.1
-82.5°	7.8	8.5	9.1	9.7	10.3	10.9	11.5	12.1	12.8	13.4	14.0
-85°	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.0	8.4	8.7	9.0
-87.5°	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6
85°	9.3	9.5	9.8	10.0	10.2	10.4	10.6	10.8	10.9	11.0	11.1
82.5°	14.5	15.0	15.5	16.0	16.4	16.8	17.1	17.4	17.7	17.9	18.1
80°	21.1	22.0	23.0	23.8	24.6	25.3	25.9	26.4	26.9	27.4	27.7
77.5°	30.2	33.0	35.6	38.0	40.2	42.2	44.0	45.6	47.0	48.2	49.2
75°	48.6	52.7	58.3	63.6	68.4	72.8	76.7	80.3	83.3	85.9	88.1
72.5°	79.8	86.8	94.2	103.1	111.3	118.7	125.5	131.5	136.7	141.1	144.8
70°	122.1	133.9	144.9	158.6	176.5	192.9	207.7	220.9	232.3	242.1	250.1
67.5°	186.1	211.4	235.2	257.3	282.5	307.8	330.7	351.1	368.8	383.9	396.3
65°	280.1	318.7	355.0	388.7	420.1	455.6	487.6	516.1	541.0	562.1	579.5
62.5°	401.5	450.7	500.8	547.5	590.6	634.4	677.9	716.6	750.4	779.2	802.9
60°	547.5	606.2	672.6	735.3	793.4	846.7	902.3	951.9	995.2	1032.1	1062.5
57.5°	715.1	793.4	870.4	950.0	1023.6	1091.1	1156.9	1218.7	1272.8	1318.9	1356.9
55°	902.3	1000.8	1093.4	1188.6	1279.8	1363.4	1437.3	1495.6	1546.7	1590.4	1626.3
52.5°	1107.3	1226.9	1340.9	1444.5	1529.9	1608.3	1679.5	1714.2	1739.2	1760.5	1778.0
50°	1335.4	1460.0	1566.1	1665.5	1720.9	1758.9	1793.4	1847.7	1918.2	1978.5	2028.2
47.5°	1542.2	1662.8	1729.3	1777.2	1841.1	1947.8	2044.9	2163.3	2409.4	2620.3	2794.7
45°	1709.7	1767.4	1841.8	1975.4	2100.0	2430.8	2768.4	3071.6	4078.9	5046.4	5847.4
42.5°	1793.1	1926.6	2078.4	2451.5	2882.3	3835.4	5374.1	6758.9	7938.8	8924.9	9742.8
40°	1978.1	2215.5	2736.5	3617.4	5568.2	7373.3	8930.8	10335.8	11540.8	12498.4	13294.0
37.5°	2328.8	2910.0	4612.3	6834.4	8824.0	10649.4	12210.4	13568.0	14773.1	15855.3	16756.5
35°	2968.2	5115.4	7586.9	9810.9	11836.2	13588.1	15222.3	16748.2	18105.5	19400.0	20513.6
32.5°	5115.4	7830.3	10310.6	12524.0	14527.9	16473.8	18282.4	20136.2	21804.7	23495.9	25124.0
30°	7586.9	10310.6	12755.3	15015.4	17239.9	19458.4	21664.5	24069.3	26494.4	28879.8	31613.9
27.5°	9810.9	12524.0	15015.4	17497.8	20063.9	22622.1	25799.5	29048.7	33092.9	36640.2	39694.4
25°	11836.2	14527.9	17239.9	20063.9	23046.4	26681.4	31158.0	36005.9	40472.6	44425.3	47764.7
22.5°	13588.1	16473.8	19458.4	22622.1	26681.4	31871.1	37512.5	42849.7	47703.3	51999.8	55898.5
20°	15222.3	18282.4	21664.5	25799.5	31158.0	37512.5	43655.9	49385.6	54732.6	60076.3	64872.3
17.5°	16748.2	20136.2	24069.3	29048.7	36005.9	42849.7	49385.6	55754.0	62242.2	68987.4	75150.1
15°	18105.5	21804.7	26494.4	33092.9	40472.6	47703.3	54732.6	62242.2	70398.9	78626.2	86694.1
12.5°	19400.0	23495.9	28879.8	36640.2	44425.3	51999.8	60076.3	68987.4	78626.2	88653.6	95585.9
10°	20513.6	25124.0	31613.9	39694.4	47764.7	55898.5	64872.3	75150.1	86694.1	95585.9	102253.5
7.5°	21394.3	26415.3	33789.9	42135.6	50441.6	59267.0	69388.6	81043.1	92401.2	100910.0	106299.5
5°	22031.7	27351.8	35372.3	43917.1	52403.8	61750.3	72743.9	85514.2	96263.6	104007.0	108754.2
2.5°	22417.5	27919.5	36333.6	45001.9	53602.4	63273.8	74814.4	88295.8	98695.5	105722.8	110072.7
0°	22546.7	28109.8	36656.0	45366.2	54005.7	63787.5	75514.7	89240.9	99527.4	106249.9	110523.7
-2.5°	22417.5	27919.5	36333.6	45001.9	53602.4	63273.8	74814.4	88295.8	98695.5	105722.8	110072.7
-5°	22031.7	27351.8	35372.3	43917.1	52403.8	61750.3	72743.9	85514.2	96263.6	104007.0	108754.2
-7.5°	21394.3	26415.3	33789.9	42135.6	50441.6	59267.0	69388.6	81043.1	92401.2	100910.0	106299.5
-10°	20513.6	25124.0	31613.9	39694.4	47764.7	55898.5	64872.3	75150.1	86694.1	95585.9	102253.5
-12.5°	19400.0	23495.9	28879.8	36640.2	44425.3	51999.8	60076.3	68987.4	78626.2	88653.6	95585.9
-15°	18105.5	21804.7	26494.4	33092.9	40472.6	47703.3	54732.6	62242.2	70398.9	78626.2	86694.1
-17.5°	16748.2	20136.2	24069.3	29048.7	36005.9	42849.7	49385.6	55754.0	62242.2	68987.4	75150.1
-20°	15222.3	18282.4	21664.5	25799.5	31158.0	37512.5	43655.9	49385.6	54732.6	60076.3	64872.3



REPORT NUMBER: P731268 (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°	13588.1	16473.8	19458.4	22622.1	26681.4	31871.1	37512.5	42849.7	47703.3	51999.8	55898.5
-25°	11836.2	14527.9	17239.9	20063.9	23046.4	26681.4	31158.0	36005.9	40472.6	44425.3	47764.7
-27.5°	9810.9	12524.0	15015.4	17497.8	20063.9	22622.1	25799.5	29048.7	33092.9	36640.2	39694.4
-30°	7586.9	10310.6	12755.3	15015.4	17239.9	19458.4	21664.5	24069.3	26494.4	28879.8	31613.9
-32.5°	5115.4	7830.3	10310.6	12524.0	14527.9	16473.8	18282.4	20136.2	21804.7	23495.9	25124.0
-35°	2968.2	5115.4	7586.9	9810.9	11836.2	13588.1	15222.3	16748.2	18105.5	19400.0	20513.6
-37.5°	2328.8	2910.0	4612.3	6834.4	8824.0	10649.4	12210.4	13568.0	14773.1	15855.3	16756.5
-40°	1978.1	2215.5	2736.5	3617.4	5568.2	7373.3	8930.8	10335.8	11540.8	12498.4	13294.0
-42.5°	1793.1	1926.6	2078.4	2451.5	2882.3	3835.4	5374.1	6758.9	7938.8	8924.9	9742.8
-45°	1709.7	1767.4	1841.8	1975.4	2100.0	2430.8	2768.4	3071.6	4078.9	5046.4	5847.4
-47.5°	1542.2	1662.8	1729.3	1777.2	1841.1	1947.8	2044.9	2163.3	2409.4	2620.3	2794.7
-50°	1335.4	1460.0	1566.1	1665.5	1720.9	1758.9	1793.4	1847.7	1918.2	1978.5	2028.2
-52.5°	1107.3	1226.9	1340.9	1444.5	1529.9	1608.3	1679.5	1714.2	1739.2	1760.5	1778.0
-55°	902.3	1000.8	1093.4	1188.6	1279.8	1363.4	1437.3	1495.6	1546.7	1590.4	1626.3
-57.5°	715.1	793.4	870.4	950.0	1023.6	1091.1	1156.9	1218.7	1272.8	1318.9	1356.9
-60°	547.5	606.2	672.6	735.3	793.4	846.7	902.3	951.9	995.2	1032.1	1062.5
-62.5°	401.5	450.7	500.8	547.5	590.6	634.4	677.9	716.6	750.4	779.2	802.9
-65°	280.1	318.7	355.0	388.7	420.1	455.6	487.6	516.1	541.0	562.1	579.5
-67.5°	186.1	211.4	235.2	257.3	282.5	307.8	330.7	351.1	368.8	383.9	396.3
-70°	122.1	133.9	144.9	158.6	176.5	192.9	207.7	220.9	232.3	242.1	250.1
-72.5°	79.8	86.8	94.2	103.1	111.3	118.7	125.5	131.5	136.7	141.1	144.8
-75°	48.6	52.7	58.3	63.6	68.4	72.8	76.7	80.3	83.3	85.9	88.1
-77.5°	30.2	33.0	35.6	38.0	40.2	42.2	44.0	45.6	47.0	48.2	49.2
-80°	21.1	22.0	23.0	23.8	24.6	25.3	25.9	26.4	26.9	27.4	27.7
-82.5°	14.5	15.0	15.5	16.0	16.4	16.8	17.1	17.4	17.7	17.9	18.1
-85°	9.3	9.5	9.8	10.0	10.2	10.4	10.6	10.8	10.9	11.0	11.1
-87.5°	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-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°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4
85°	11.2	11.3	11.3	11.3	11.3	11.3	11.2	11.1	11.0	10.9	10.8
82.5°	18.2	18.3	18.4	18.4	18.4	18.3	18.2	18.1	17.9	17.7	17.4
80°	28.0	28.1	28.3	28.3	28.3	28.1	28.0	27.7	27.4	26.9	26.4
77.5°	49.9	50.5	50.8	50.9	50.8	50.5	49.9	49.2	48.2	47.0	45.6
75°	89.7	90.9	91.7	91.9	91.7	90.9	89.7	88.1	85.9	83.3	80.3
72.5°	147.6	149.7	150.9	151.3	150.9	149.7	147.6	144.8	141.1	136.7	131.5
70°	256.3	260.8	263.5	264.4	263.5	260.8	256.3	250.1	242.1	232.3	220.9
67.5°	406.0	412.9	417.1	418.5	417.1	412.9	406.0	396.3	383.9	368.8	351.1
65°	593.1	602.9	608.7	610.7	608.7	602.9	593.1	579.5	562.1	541.0	516.1
62.5°	821.5	834.8	842.7	845.4	842.7	834.8	821.5	802.9	779.2	750.4	716.6
60°	1086.2	1103.2	1113.5	1116.9	1113.5	1103.2	1086.2	1062.5	1032.1	995.2	951.9
57.5°	1386.7	1408.0	1420.8	1425.1	1420.8	1408.0	1386.7	1356.9	1318.9	1272.8	1218.7
55°	1654.5	1674.7	1686.8	1690.9	1686.8	1674.7	1654.5	1626.3	1590.4	1546.7	1495.6
52.5°	1791.8	1801.7	1807.6	1809.6	1807.6	1801.7	1791.8	1778.0	1760.5	1739.2	1714.2
50°	2067.2	2095.3	2112.2	2117.8	2112.2	2095.3	2067.2	2028.2	1978.5	1918.2	1847.7
47.5°	2931.5	3029.8	3089.1	3108.9	3089.1	3029.8	2931.5	2794.7	2620.3	2409.4	2163.3
45°	6476.6	6929.3	7202.4	7293.6	7202.4	6929.3	6476.6	5847.4	5046.4	4078.9	3071.6
42.5°	10386.0	10849.3	11128.9	11222.4	11128.9	10849.3	10386.0	9742.8	8924.9	7938.8	6758.9
40°	13920.7	14372.8	14645.8	14737.1	14645.8	14372.8	13920.7	13294.0	12498.4	11540.8	10335.8
37.5°	17467.7	17981.4	18292.0	18395.9	18292.0	17981.4	17467.7	16756.5	15855.3	14773.1	13568.0
35°	21394.3	22031.7	22417.5	22546.7	22417.5	22031.7	21394.3	20513.6	19400.0	18105.5	16748.2
32.5°	26415.3	27351.8	27919.5	28109.8	27919.5	27351.8	26415.3	25124.0	23495.9	21804.7	20136.2
30°	33789.9	35372.3	36333.6	36656.0	36333.6	35372.3	33789.9	31613.9	28879.8	26494.4	24069.3
27.5°	42135.6	43917.1	45001.9	45366.2	45001.9	43917.1	42135.6	39694.4	36640.2	33092.9	29048.7
25°	50441.6	52403.8	53602.4	54005.7	53602.4	52403.8	50441.6	47764.7	44425.3	40472.6	36005.9
22.5°	59267.0	61750.3	63273.8	63787.5	63273.8	61750.3	59267.0	55898.5	51999.8	47703.3	42849.7
20°	69388.6	72743.9	74814.4	75514.7	74814.4	72743.9	69388.6	64872.3	60076.3	54732.6	49385.6
17.5°	81043.1	85514.2	88295.8	89240.9	88295.8	85514.2	81043.1	75150.1	68987.4	62242.2	55754.0
15°	92401.2	96263.6	98695.5	99527.4	98695.5	96263.6	92401.2	86694.1	78626.2	70398.9	62242.2
12.5°	100910.0	104007.0	105722.8	106249.9	105722.8	104007.0	100910.0	95585.9	88653.6	78626.2	68987.4
10°	106299.5	108754.2	110072.7	110523.7	110072.7	108754.2	106299.5	102253.5	95585.9	86694.1	75150.1
7.5°	109648.2	111933.3	113305.8	113789.5	113305.8	111933.3	109648.2	106299.5	100910.0	92401.2	81043.1
5°	111933.3	114309.1	115782.9	116232.4	115782.9	114309.1	111933.3	108754.2	104007.0	96263.6	85514.2
2.5°	113305.8	115782.9	116491.3	116467.1	116491.3	115782.9	113305.8	110072.7	105722.8	98695.5	88295.8
0°	113789.5	116232.4	116467.1	116017.5	116467.1	116232.4	113789.5	110523.7	106249.9	99527.4	89240.9
-2.5°	113305.8	115782.9	116491.3	116467.1	116491.3	115782.9	113305.8	110072.7	105722.8	98695.5	88295.8
-5°	111933.3	114309.1	115782.9	116232.4	115782.9	114309.1	111933.3	108754.2	104007.0	96263.6	85514.2
-7.5°	109648.2	111933.3	113305.8	113789.5	113305.8	111933.3	109648.2	106299.5	100910.0	92401.2	81043.1
-10°	106299.5	108754.2	110072.7	110523.7	110072.7	108754.2	106299.5	102253.5	95585.9	86694.1	75150.1
-12.5°	100910.0	104007.0	105722.8	106249.9	105722.8	104007.0	100910.0	95585.9	88653.6	78626.2	68987.4
-15°	92401.2	96263.6	98695.5	99527.4	98695.5	96263.6	92401.2	86694.1	78626.2	70398.9	62242.2
-17.5°	81043.1	85514.2	88295.8	89240.9	88295.8	85514.2	81043.1	75150.1	68987.4	62242.2	55754.0
-20°	69388.6	72743.9	74814.4	75514.7	74814.4	72743.9	69388.6	64872.3	60076.3	54732.6	49385.6



REPORT NUMBER: P731268 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	59267.0	61750.3	63273.8	63787.5	63273.8	61750.3	59267.0	55898.5	51999.8	47703.3	42849.7
-25°	50441.6	52403.8	53602.4	54005.7	53602.4	52403.8	50441.6	47764.7	44425.3	40472.6	36005.9
-27.5°	42135.6	43917.1	45001.9	45366.2	45001.9	43917.1	42135.6	39694.4	36640.2	33092.9	29048.7
-30°	33789.9	35372.3	36333.6	36656.0	36333.6	35372.3	33789.9	31613.9	28879.8	26494.4	24069.3
-32.5°	26415.3	27351.8	27919.5	28109.8	27919.5	27351.8	26415.3	25124.0	23495.9	21804.7	20136.2
-35°	21394.3	22031.7	22417.5	22546.7	22417.5	22031.7	21394.3	20513.6	19400.0	18105.5	16748.2
-37.5°	17467.7	17981.4	18292.0	18395.9	18292.0	17981.4	17467.7	16756.5	15855.3	14773.1	13568.0
-40°	13920.7	14372.8	14645.8	14737.1	14645.8	14372.8	13920.7	13294.0	12498.4	11540.8	10335.8
-42.5°	10386.0	10849.3	11128.9	11222.4	11128.9	10849.3	10386.0	9742.8	8924.9	7938.8	6758.9
-45°	6476.6	6929.3	7202.4	7293.6	7202.4	6929.3	6476.6	5847.4	5046.4	4078.9	3071.6
-47.5°	2931.5	3029.8	3089.1	3108.9	3089.1	3029.8	2931.5	2794.7	2620.3	2409.4	2163.3
-50°	2067.2	2095.3	2112.2	2117.8	2112.2	2095.3	2067.2	2028.2	1978.5	1918.2	1847.7
-52.5°	1791.8	1801.7	1807.6	1809.6	1807.6	1801.7	1791.8	1778.0	1760.5	1739.2	1714.2
-55°	1654.5	1674.7	1686.8	1690.9	1686.8	1674.7	1654.5	1626.3	1590.4	1546.7	1495.6
-57.5°	1386.7	1408.0	1420.8	1425.1	1420.8	1408.0	1386.7	1356.9	1318.9	1272.8	1218.7
-60°	1086.2	1103.2	1113.5	1116.9	1113.5	1103.2	1086.2	1062.5	1032.1	995.2	951.9
-62.5°	821.5	834.8	842.7	845.4	842.7	834.8	821.5	802.9	779.2	750.4	716.6
-65°	593.1	602.9	608.7	610.7	608.7	602.9	593.1	579.5	562.1	541.0	516.1
-67.5°	406.0	412.9	417.1	418.5	417.1	412.9	406.0	396.3	383.9	368.8	351.1
-70°	256.3	260.8	263.5	264.4	263.5	260.8	256.3	250.1	242.1	232.3	220.9
-72.5°	147.6	149.7	150.9	151.3	150.9	149.7	147.6	144.8	141.1	136.7	131.5
-75°	89.7	90.9	91.7	91.9	91.7	90.9	89.7	88.1	85.9	83.3	80.3
-77.5°	49.9	50.5	50.8	50.9	50.8	50.5	49.9	49.2	48.2	47.0	45.6
-80°	28.0	28.1	28.3	28.3	28.3	28.1	28.0	27.7	27.4	26.9	26.4
-82.5°	18.2	18.3	18.4	18.4	18.4	18.3	18.2	18.1	17.9	17.7	17.4
-85°	11.2	11.3	11.3	11.3	11.3	11.3	11.2	11.1	11.0	10.9	10.8
-87.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4
-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):

	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°	5.4	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.2	4.0
85°	10.6	10.4	10.2	10.0	9.8	9.5	9.3	9.0	8.7	8.4	8.0
82.5°	17.1	16.8	16.4	16.0	15.5	15.0	14.5	14.0	13.4	12.8	12.1
80°	25.9	25.3	24.6	23.8	23.0	22.0	21.1	20.1	19.0	18.0	17.1
77.5°	44.0	42.2	40.2	38.0	35.6	33.0	30.2	27.9	26.5	25.1	23.6
75°	76.7	72.8	68.4	63.6	58.3	52.7	48.6	45.0	41.3	37.3	33.2
72.5°	125.5	118.7	111.3	103.1	94.2	86.8	79.8	72.3	64.3	56.0	48.9
70°	207.7	192.9	176.5	158.6	144.9	133.9	122.1	109.6	96.4	85.4	75.4
67.5°	330.7	307.8	282.5	257.3	235.2	211.4	186.1	159.2	140.5	124.9	108.5
65°	487.6	455.6	420.1	388.7	355.0	318.7	280.1	245.8	214.2	180.9	148.6
62.5°	677.9	634.4	590.6	547.5	500.8	450.7	401.5	356.2	308.5	260.0	221.7
60°	902.3	846.7	793.4	735.3	672.6	606.2	547.5	485.4	420.1	365.0	307.8
57.5°	1156.9	1091.1	1023.6	950.0	870.4	793.4	715.1	632.4	557.3	482.8	408.0
55°	1437.3	1363.4	1279.8	1188.6	1093.4	1000.8	902.3	804.9	710.6	612.3	528.2
52.5°	1679.5	1608.3	1529.9	1444.5	1340.9	1226.9	1107.3	995.2	877.6	767.3	657.3
50°	1793.4	1758.9	1720.9	1665.5	1566.1	1460.0	1335.4	1198.4	1062.5	931.0	801.7
47.5°	2044.9	1947.8	1841.1	1777.2	1729.3	1662.8	1542.2	1414.1	1260.8	1103.2	957.9
45°	2768.4	2430.8	2100.0	1975.4	1841.8	1767.4	1709.7	1597.8	1456.8	1292.2	1116.9
42.5°	5374.1	3835.4	2882.3	2451.5	2078.4	1926.6	1793.1	1728.8	1625.8	1470.6	1292.2
40°	8930.8	7373.3	5568.2	3617.4	2736.5	2215.5	1978.1	1806.1	1735.1	1625.8	1456.8
37.5°	12210.4	10649.4	8824.0	6834.4	4612.3	2910.0	2328.8	1995.3	1806.1	1728.8	1597.8
35°	15222.3	13588.1	11836.2	9810.9	7586.9	5115.4	2968.2	2328.8	1978.1	1793.1	1709.7
32.5°	18282.4	16473.8	14527.9	12524.0	10310.6	7830.3	5115.4	2910.0	2215.5	1926.6	1767.4
30°	21664.5	19458.4	17239.9	15015.4	12755.3	10310.6	7586.9	4612.3	2736.5	2078.4	1841.8
27.5°	25799.5	22622.1	20063.9	17497.8	15015.4	12524.0	9810.9	6834.4	3617.4	2451.5	1975.4
25°	31158.0	26681.4	23046.4	20063.9	17239.9	14527.9	11836.2	8824.0	5568.2	2882.3	2100.0
22.5°	37512.5	31871.1	26681.4	22622.1	19458.4	16473.8	13588.1	10649.4	7373.3	3835.4	2430.8
20°	43655.9	37512.5	31158.0	25799.5	21664.5	18282.4	15222.3	12210.4	8930.8	5374.1	2768.4
17.5°	49385.6	42849.7	36005.9	29048.7	24069.3	20136.2	16748.2	13568.0	10335.8	6758.9	3071.6
15°	54732.6	47703.3	40472.6	33092.9	26494.4	21804.7	18105.5	14773.1	11540.8	7938.8	4078.9
12.5°	60076.3	51999.8	44425.3	36640.2	28879.8	23495.9	19400.0	15855.3	12498.4	8924.9	5046.4
10°	64872.3	55898.5	47764.7	39694.4	31613.9	25124.0	20513.6	16756.5	13294.0	9742.8	5847.4
7.5°	69388.6	59267.0	50441.6	42135.6	33789.9	26415.3	21394.3	17467.7	13920.7	10386.0	6476.6
5°	72743.9	61750.3	52403.8	43917.1	35372.3	27351.8	22031.7	17981.4	14372.8	10849.3	6929.3
2.5°	74814.4	63273.8	53602.4	45001.9	36333.6	27919.5	22417.5	18292.0	14645.8	11128.9	7202.4
0°	75514.7	63787.5	54005.7	45366.2	36656.0	28109.8	22546.7	18395.9	14737.1	11222.4	7293.6
-2.5°	74814.4	63273.8	53602.4	45001.9	36333.6	27919.5	22417.5	18292.0	14645.8	11128.9	7202.4
-5°	72743.9	61750.3	52403.8	43917.1	35372.3	27351.8	22031.7	17981.4	14372.8	10849.3	6929.3
-7.5°	69388.6	59267.0	50441.6	42135.6	33789.9	26415.3	21394.3	17467.7	13920.7	10386.0	6476.6
-10°	64872.3	55898.5	47764.7	39694.4	31613.9	25124.0	20513.6	16756.5	13294.0	9742.8	5847.4
-12.5°	60076.3	51999.8	44425.3	36640.2	28879.8	23495.9	19400.0	15855.3	12498.4	8924.9	5046.4
-15°	54732.6	47703.3	40472.6	33092.9	26494.4	21804.7	18105.5	14773.1	11540.8	7938.8	4078.9
-17.5°	49385.6	42849.7	36005.9	29048.7	24069.3	20136.2	16748.2	13568.0	10335.8	6758.9	3071.6
-20°	43655.9	37512.5	31158.0	25799.5	21664.5	18282.4	15222.3	12210.4	8930.8	5374.1	2768.4



REPORT NUMBER: P731268 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	37512.5	31871.1	26681.4	22622.1	19458.4	16473.8	13588.1	10649.4	7373.3	3835.4	2430.8
-25°	31158.0	26681.4	23046.4	20063.9	17239.9	14527.9	11836.2	8824.0	5568.2	2882.3	2100.0
-27.5°	25799.5	22622.1	20063.9	17497.8	15015.4	12524.0	9810.9	6834.4	3617.4	2451.5	1975.4
-30°	21664.5	19458.4	17239.9	15015.4	12755.3	10310.6	7586.9	4612.3	2736.5	2078.4	1841.8
-32.5°	18282.4	16473.8	14527.9	12524.0	10310.6	7830.3	5115.4	2910.0	2215.5	1926.6	1767.4
-35°	15222.3	13588.1	11836.2	9810.9	7586.9	5115.4	2968.2	2328.8	1978.1	1793.1	1709.7
-37.5°	12210.4	10649.4	8824.0	6834.4	4612.3	2910.0	2328.8	1995.3	1806.1	1728.8	1597.8
-40°	8930.8	7373.3	5568.2	3617.4	2736.5	2215.5	1978.1	1806.1	1735.1	1625.8	1456.8
-42.5°	5374.1	3835.4	2882.3	2451.5	2078.4	1926.6	1793.1	1728.8	1625.8	1470.6	1292.2
-45°	2768.4	2430.8	2100.0	1975.4	1841.8	1767.4	1709.7	1597.8	1456.8	1292.2	1116.9
-47.5°	2044.9	1947.8	1841.1	1777.2	1729.3	1662.8	1542.2	1414.1	1260.8	1103.2	957.9
-50°	1793.4	1758.9	1720.9	1665.5	1566.1	1460.0	1335.4	1198.4	1062.5	931.0	801.7
-52.5°	1679.5	1608.3	1529.9	1444.5	1340.9	1226.9	1107.3	995.2	877.6	767.3	657.3
-55°	1437.3	1363.4	1279.8	1188.6	1093.4	1000.8	902.3	804.9	710.6	612.3	528.2
-57.5°	1156.9	1091.1	1023.6	950.0	870.4	793.4	715.1	632.4	557.3	482.8	408.0
-60°	902.3	846.7	793.4	735.3	672.6	606.2	547.5	485.4	420.1	365.0	307.8
-62.5°	677.9	634.4	590.6	547.5	500.8	450.7	401.5	356.2	308.5	260.0	221.7
-65°	487.6	455.6	420.1	388.7	355.0	318.7	280.1	245.8	214.2	180.9	148.6
-67.5°	330.7	307.8	282.5	257.3	235.2	211.4	186.1	159.2	140.5	124.9	108.5
-70°	207.7	192.9	176.5	158.6	144.9	133.9	122.1	109.6	96.4	85.4	75.4
-72.5°	125.5	118.7	111.3	103.1	94.2	86.8	79.8	72.3	64.3	56.0	48.9
-75°	76.7	72.8	68.4	63.6	58.3	52.7	48.6	45.0	41.3	37.3	33.2
-77.5°	44.0	42.2	40.2	38.0	35.6	33.0	30.2	27.9	26.5	25.1	23.6
-80°	25.9	25.3	24.6	23.8	23.0	22.0	21.1	20.1	19.0	18.0	17.1
-82.5°	17.1	16.8	16.4	16.0	15.5	15.0	14.5	14.0	13.4	12.8	12.1
-85°	10.6	10.4	10.2	10.0	9.8	9.5	9.3	9.0	8.7	8.4	8.0
-87.5°	5.4	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.2	4.0
-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: P731268 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-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°	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2	1.9	1.7
85°	7.7	7.3	6.9	6.5	6.1	5.7	5.3	4.8	4.4	3.9	3.4
82.5°	11.5	10.9	10.3	9.7	9.1	8.5	7.8	7.2	6.5	5.8	5.1
80°	16.2	15.3	14.3	13.3	12.3	11.3	10.4	9.5	8.6	7.7	6.8
77.5°	22.0	20.4	18.7	17.4	16.1	14.7	13.4	12.0	10.7	9.6	8.5
75°	28.9	26.6	24.6	22.5	20.4	18.2	16.6	14.9	13.2	11.5	10.1
72.5°	43.9	38.6	33.3	28.0	25.5	22.9	20.3	17.8	15.9	13.9	11.8
70°	65.0	54.2	46.5	40.2	33.6	27.7	24.7	21.6	18.5	16.2	13.9
67.5°	91.6	79.4	66.8	53.8	45.2	37.6	29.9	25.6	22.0	18.5	15.9
65°	129.7	110.0	90.4	76.0	61.1	48.2	39.6	30.9	25.6	21.6	17.8
62.5°	181.9	145.7	123.4	100.4	81.5	64.8	49.2	39.6	29.9	24.7	20.3
60°	252.8	207.7	161.3	131.5	105.8	83.3	64.8	48.2	37.6	27.7	22.9
57.5°	343.6	277.0	223.3	171.6	134.2	105.8	81.5	61.1	45.2	33.6	25.5
55°	441.5	365.2	291.3	228.5	171.6	131.5	100.4	76.0	53.8	40.2	28.0
52.5°	555.7	459.7	372.4	291.3	223.3	161.3	123.4	90.4	66.8	46.5	33.3
50°	680.0	564.9	459.7	365.2	277.0	207.7	145.7	110.0	79.4	54.2	38.6
47.5°	813.1	680.0	555.7	441.5	343.6	252.8	181.9	129.7	91.6	65.0	43.9
45°	957.9	801.7	657.3	528.2	408.0	307.8	221.7	148.6	108.5	75.4	48.9
42.5°	1103.2	931.0	767.3	612.3	482.8	365.0	260.0	180.9	124.9	85.4	56.0
40°	1260.8	1062.5	877.6	710.6	557.3	420.1	308.5	214.2	140.5	96.4	64.3
37.5°	1414.1	1198.4	995.2	804.9	632.4	485.4	356.2	245.8	159.2	109.6	72.3
35°	1542.2	1335.4	1107.3	902.3	715.1	547.5	401.5	280.1	186.1	122.1	79.8
32.5°	1662.8	1460.0	1226.9	1000.8	793.4	606.2	450.7	318.7	211.4	133.9	86.8
30°	1729.3	1566.1	1340.9	1093.4	870.4	672.6	500.8	355.0	235.2	144.9	94.2
27.5°	1777.2	1665.5	1444.5	1188.6	950.0	735.3	547.5	388.7	257.3	158.6	103.1
25°	1841.1	1720.9	1529.9	1279.8	1023.6	793.4	590.6	420.1	282.5	176.5	111.3
22.5°	1947.8	1758.9	1608.3	1363.4	1091.1	846.7	634.4	455.6	307.8	192.9	118.7
20°	2044.9	1793.4	1679.5	1437.3	1156.9	902.3	677.9	487.6	330.7	207.7	125.5
17.5°	2163.3	1847.7	1714.2	1495.6	1218.7	951.9	716.6	516.1	351.1	220.9	131.5
15°	2409.4	1918.2	1739.2	1546.7	1272.8	995.2	750.4	541.0	368.8	232.3	136.7
12.5°	2620.3	1978.5	1760.5	1590.4	1318.9	1032.1	779.2	562.1	383.9	242.1	141.1
10°	2794.7	2028.2	1778.0	1626.3	1356.9	1062.5	802.9	579.5	396.3	250.1	144.8
7.5°	2931.5	2067.2	1791.8	1654.5	1386.7	1086.2	821.5	593.1	406.0	256.3	147.6
5°	3029.8	2095.3	1801.7	1674.7	1408.0	1103.2	834.8	602.9	412.9	260.8	149.7
2.5°	3089.1	2112.2	1807.6	1686.8	1420.8	1113.5	842.7	608.7	417.1	263.5	150.9
0°	3108.9	2117.8	1809.6	1690.9	1425.1	1116.9	845.4	610.7	418.5	264.4	151.3
-2.5°	3089.1	2112.2	1807.6	1686.8	1420.8	1113.5	842.7	608.7	417.1	263.5	150.9
-5°	3029.8	2095.3	1801.7	1674.7	1408.0	1103.2	834.8	602.9	412.9	260.8	149.7
-7.5°	2931.5	2067.2	1791.8	1654.5	1386.7	1086.2	821.5	593.1	406.0	256.3	147.6
-10°	2794.7	2028.2	1778.0	1626.3	1356.9	1062.5	802.9	579.5	396.3	250.1	144.8
-12.5°	2620.3	1978.5	1760.5	1590.4	1318.9	1032.1	779.2	562.1	383.9	242.1	141.1
-15°	2409.4	1918.2	1739.2	1546.7	1272.8	995.2	750.4	541.0	368.8	232.3	136.7
-17.5°	2163.3	1847.7	1714.2	1495.6	1218.7	951.9	716.6	516.1	351.1	220.9	131.5
-20°	2044.9	1793.4	1679.5	1437.3	1156.9	902.3	677.9	487.6	330.7	207.7	125.5



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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°	1947.8	1758.9	1608.3	1363.4	1091.1	846.7	634.4	455.6	307.8	192.9	118.7
-25°	1841.1	1720.9	1529.9	1279.8	1023.6	793.4	590.6	420.1	282.5	176.5	111.3
-27.5°	1777.2	1665.5	1444.5	1188.6	950.0	735.3	547.5	388.7	257.3	158.6	103.1
-30°	1729.3	1566.1	1340.9	1093.4	870.4	672.6	500.8	355.0	235.2	144.9	94.2
-32.5°	1662.8	1460.0	1226.9	1000.8	793.4	606.2	450.7	318.7	211.4	133.9	86.8
-35°	1542.2	1335.4	1107.3	902.3	715.1	547.5	401.5	280.1	186.1	122.1	79.8
-37.5°	1414.1	1198.4	995.2	804.9	632.4	485.4	356.2	245.8	159.2	109.6	72.3
-40°	1260.8	1062.5	877.6	710.6	557.3	420.1	308.5	214.2	140.5	96.4	64.3
-42.5°	1103.2	931.0	767.3	612.3	482.8	365.0	260.0	180.9	124.9	85.4	56.0
-45°	957.9	801.7	657.3	528.2	408.0	307.8	221.7	148.6	108.5	75.4	48.9
-47.5°	813.1	680.0	555.7	441.5	343.6	252.8	181.9	129.7	91.6	65.0	43.9
-50°	680.0	564.9	459.7	365.2	277.0	207.7	145.7	110.0	79.4	54.2	38.6
-52.5°	555.7	459.7	372.4	291.3	223.3	161.3	123.4	90.4	66.8	46.5	33.3
-55°	441.5	365.2	291.3	228.5	171.6	131.5	100.4	76.0	53.8	40.2	28.0
-57.5°	343.6	277.0	223.3	171.6	134.2	105.8	81.5	61.1	45.2	33.6	25.5
-60°	252.8	207.7	161.3	131.5	105.8	83.3	64.8	48.2	37.6	27.7	22.9
-62.5°	181.9	145.7	123.4	100.4	81.5	64.8	49.2	39.6	29.9	24.7	20.3
-65°	129.7	110.0	90.4	76.0	61.1	48.2	39.6	30.9	25.6	21.6	17.8
-67.5°	91.6	79.4	66.8	53.8	45.2	37.6	29.9	25.6	22.0	18.5	15.9
-70°	65.0	54.2	46.5	40.2	33.6	27.7	24.7	21.6	18.5	16.2	13.9
-72.5°	43.9	38.6	33.3	28.0	25.5	22.9	20.3	17.8	15.9	13.9	11.8
-75°	28.9	26.6	24.6	22.5	20.4	18.2	16.6	14.9	13.2	11.5	10.1
-77.5°	22.0	20.4	18.7	17.4	16.1	14.7	13.4	12.0	10.7	9.6	8.5
-80°	16.2	15.3	14.3	13.3	12.3	11.3	10.4	9.5	8.6	7.7	6.8
-82.5°	11.5	10.9	10.3	9.7	9.1	8.5	7.8	7.2	6.5	5.8	5.1
-85°	7.7	7.3	6.9	6.5	6.1	5.7	5.3	4.8	4.4	3.9	3.4
-87.5°	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2	1.9	1.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	1.2	1.0	0.7	0.5	0.2	0.0
85°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
82.5°	4.4	3.7	3.0	2.2	1.5	0.7	0.0
80°	5.9	4.9	3.9	3.0	2.0	1.0	0.0
77.5°	7.3	6.1	4.9	3.7	2.5	1.2	0.0
75°	8.7	7.3	5.9	4.4	2.9	1.5	0.0
72.5°	10.1	8.5	6.8	5.1	3.4	1.7	0.0
70°	11.5	9.6	7.7	5.8	3.9	1.9	0.0
67.5°	13.2	10.7	8.6	6.5	4.4	2.2	0.0
65°	14.9	12.0	9.5	7.2	4.8	2.4	0.0
62.5°	16.6	13.4	10.4	7.8	5.3	2.6	0.0
60°	18.2	14.7	11.3	8.5	5.7	2.8	0.0
57.5°	20.4	16.1	12.3	9.1	6.1	3.1	0.0
55°	22.5	17.4	13.3	9.7	6.5	3.3	0.0
52.5°	24.6	18.7	14.3	10.3	6.9	3.5	0.0
50°	26.6	20.4	15.3	10.9	7.3	3.7	0.0
47.5°	28.9	22.0	16.2	11.5	7.7	3.9	0.0
45°	33.2	23.6	17.1	12.1	8.0	4.0	0.0
42.5°	37.3	25.1	18.0	12.8	8.4	4.2	0.0
40°	41.3	26.5	19.0	13.4	8.7	4.4	0.0
37.5°	45.0	27.9	20.1	14.0	9.0	4.5	0.0
35°	48.6	30.2	21.1	14.5	9.3	4.7	0.0
32.5°	52.7	33.0	22.0	15.0	9.5	4.8	0.0
30°	58.3	35.6	23.0	15.5	9.8	4.9	0.0
27.5°	63.6	38.0	23.8	16.0	10.0	5.1	0.0
25°	68.4	40.2	24.6	16.4	10.2	5.2	0.0
22.5°	72.8	42.2	25.3	16.8	10.4	5.3	0.0
20°	76.7	44.0	25.9	17.1	10.6	5.4	0.0
17.5°	80.3	45.6	26.4	17.4	10.8	5.4	0.0
15°	83.3	47.0	26.9	17.7	10.9	5.5	0.0
12.5°	85.9	48.2	27.4	17.9	11.0	5.6	0.0
10°	88.1	49.2	27.7	18.1	11.1	5.6	0.0
7.5°	89.7	49.9	28.0	18.2	11.2	5.7	0.0
5°	90.9	50.5	28.1	18.3	11.3	5.7	0.0
2.5°	91.7	50.8	28.3	18.4	11.3	5.7	0.0
0°	91.9	50.9	28.3	18.4	11.3	5.7	0.0
-2.5°	91.7	50.8	28.3	18.4	11.3	5.7	0.0
-5°	90.9	50.5	28.1	18.3	11.3	5.7	0.0
-7.5°	89.7	49.9	28.0	18.2	11.2	5.7	0.0
-10°	88.1	49.2	27.7	18.1	11.1	5.6	0.0
-12.5°	85.9	48.2	27.4	17.9	11.0	5.6	0.0
-15°	83.3	47.0	26.9	17.7	10.9	5.5	0.0
-17.5°	80.3	45.6	26.4	17.4	10.8	5.4	0.0
-20°	76.7	44.0	25.9	17.1	10.6	5.4	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	72.8	42.2	25.3	16.8	10.4	5.3	0.0
-25°	68.4	40.2	24.6	16.4	10.2	5.2	0.0
-27.5°	63.6	38.0	23.8	16.0	10.0	5.1	0.0
-30°	58.3	35.6	23.0	15.5	9.8	4.9	0.0
-32.5°	52.7	33.0	22.0	15.0	9.5	4.8	0.0
-35°	48.6	30.2	21.1	14.5	9.3	4.7	0.0
-37.5°	45.0	27.9	20.1	14.0	9.0	4.5	0.0
-40°	41.3	26.5	19.0	13.4	8.7	4.4	0.0
-42.5°	37.3	25.1	18.0	12.8	8.4	4.2	0.0
-45°	33.2	23.6	17.1	12.1	8.0	4.0	0.0
-47.5°	28.9	22.0	16.2	11.5	7.7	3.9	0.0
-50°	26.6	20.4	15.3	10.9	7.3	3.7	0.0
-52.5°	24.6	18.7	14.3	10.3	6.9	3.5	0.0
-55°	22.5	17.4	13.3	9.7	6.5	3.3	0.0
-57.5°	20.4	16.1	12.3	9.1	6.1	3.1	0.0
-60°	18.2	14.7	11.3	8.5	5.7	2.8	0.0
-62.5°	16.6	13.4	10.4	7.8	5.3	2.6	0.0
-65°	14.9	12.0	9.5	7.2	4.8	2.4	0.0
-67.5°	13.2	10.7	8.6	6.5	4.4	2.2	0.0
-70°	11.5	9.6	7.7	5.8	3.9	1.9	0.0
-72.5°	10.1	8.5	6.8	5.1	3.4	1.7	0.0
-75°	8.7	7.3	5.9	4.4	2.9	1.5	0.0
-77.5°	7.3	6.1	4.9	3.7	2.5	1.2	0.0
-80°	5.9	4.9	3.9	3.0	2.0	1.0	0.0
-82.5°	4.4	3.7	3.0	2.2	1.5	0.7	0.0
-85°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
-87.5°	1.5	1.2	1.0	0.7	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

