

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: P1305927 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-530N-40-80-5S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

Test Method: LM-79-08  
Report Number: P1305927 (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: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-530N-40-80-5S-HEG-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

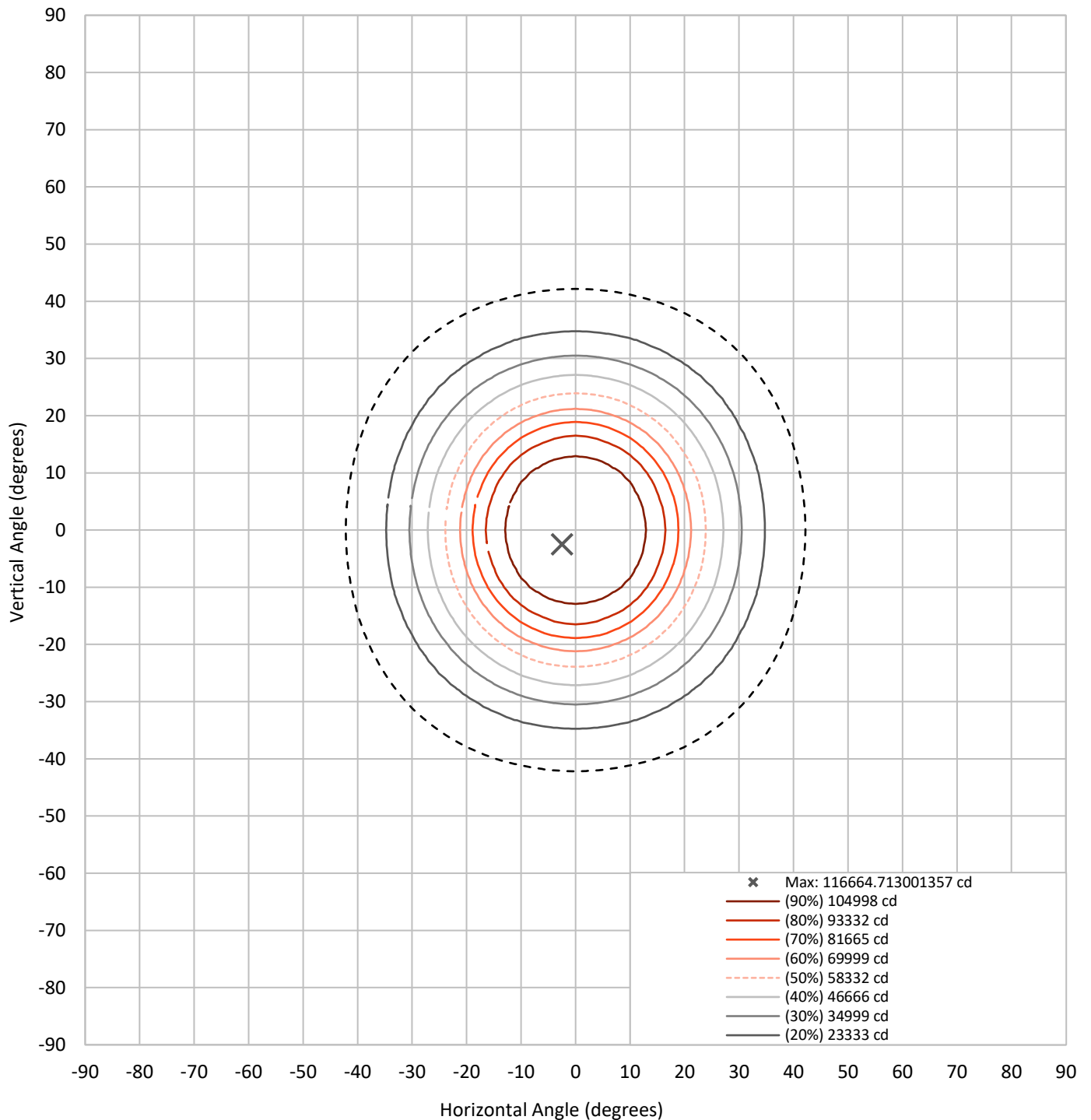
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	85274.9 lumens	Max Intensity:	116664.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	153.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	47839.2 lumens	Field Lumens:	79455.1 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%

Input Watts (W): 554  
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



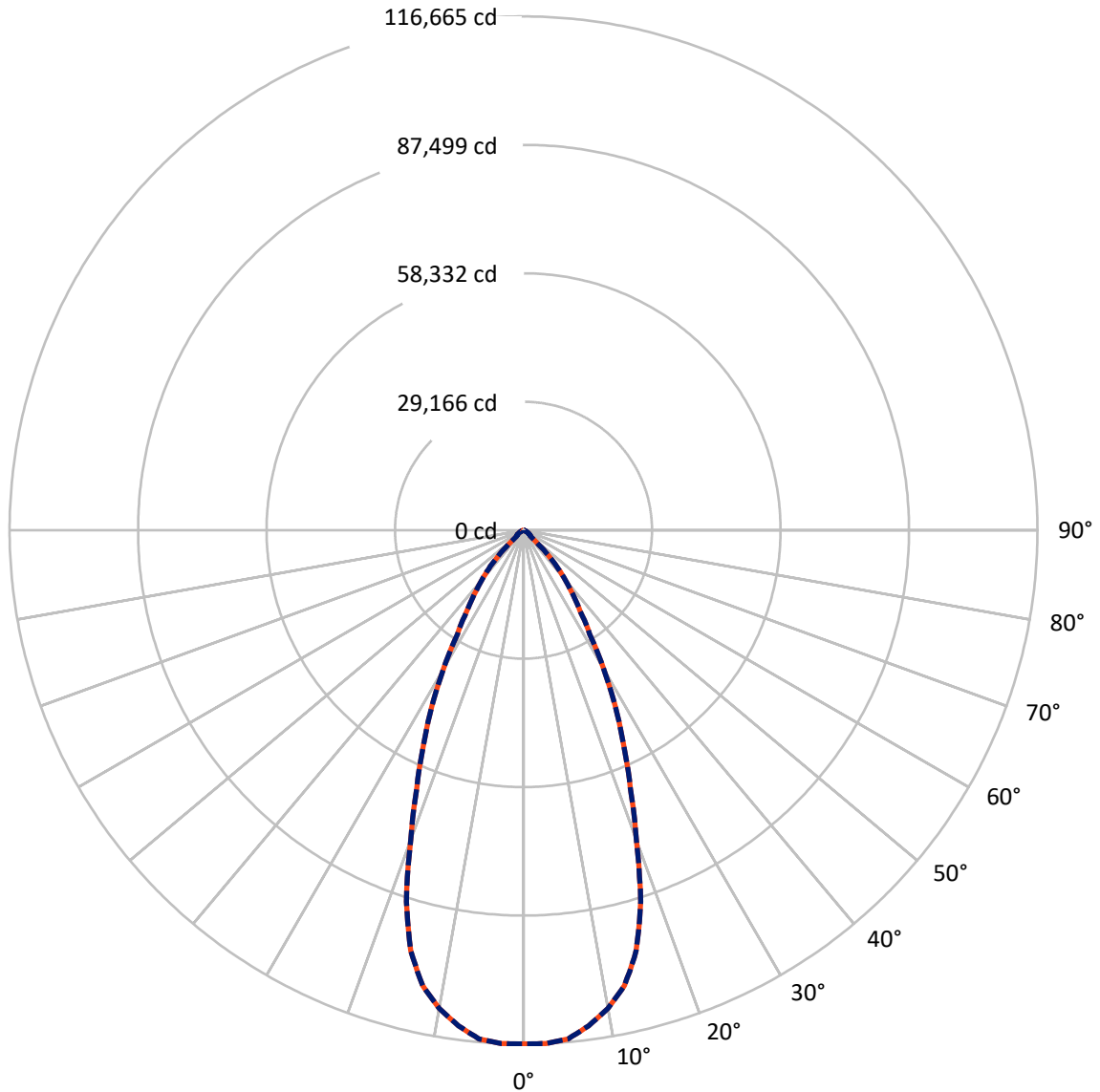
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### Lumen Table

90	0.1	0.8	2.7	5.8	7.3	5.8	2.7	0.8	0.1							
80	0.1	0.8	2.7	5.8	7.3	5.8	2.7	0.8	0.1							
70	0.4	0.5	1.4	3.7	7.6	12.3	16.7	19.1	19.1	16.7	12.3	7.6	3.7	1.4	0.5	0.4
60		1.1	4.3	11.8	22.9	35.0	44.1	49.0	49.0	44.1	35.0	22.9	11.8	4.3	1.1	
50	0.9	2.3	9.6	24.4	42.1	75.9	154.6	217.6	217.6	154.6	75.9	42.1	24.4	9.6	2.3	0.9
40		4.0	16.3	36.4	105.9	320.4	540.9	693.1	693.1	540.9	320.4	105.9	36.4	16.3	4.0	
30	1.6	6.0	22.5	59.9	291.1	662.3	1185.3	1590.8	1590.8	1185.3	662.3	291.1	59.9	22.5	6.0	1.6
20		7.6	26.5	115.9	461.7	1115.4	2072.8	2824.0	2824.0	2072.8	1115.4	461.7	115.9	26.5	7.6	
10	2.0	8.4	28.5	158.4	574.5	1453.4	2741.7	3422.4	3422.4	2741.7	1453.4	574.5	158.4	28.5	8.4	2.0
0		8.4	28.5	158.4	574.5	1453.4	2741.7	3422.4	3422.4	2741.7	1453.4	574.5	158.4	28.5	8.4	
-10	1.6	7.6	26.5	115.9	461.7	1115.4	2072.8	2824.0	2824.0	2072.8	1115.4	461.7	115.9	26.5	7.6	1.6
-20		6.0	22.5	59.9	291.1	662.3	1185.3	1590.8	1590.8	1185.3	662.3	291.1	59.9	22.5	6.0	
-30	0.9	4.0	16.3	36.4	105.9	320.4	540.9	693.1	693.1	540.9	320.4	105.9	36.4	16.3	4.0	0.9
-40		2.3	9.6	24.4	42.1	75.9	154.6	217.6	217.6	154.6	75.9	42.1	24.4	9.6	2.3	
-50	0.4	1.1	4.3	11.8	22.9	35.0	44.1	49.0	49.0	44.1	35.0	22.9	11.8	4.3	1.1	0.4
-60		0.5	1.4	3.7	7.6	12.3	16.7	19.1	19.1	16.7	12.3	7.6	3.7	1.4	0.5	
-70	0.1	0.8	2.7	5.8	7.3	5.8	2.7	0.8	0.1							
-80		0.1	0.8	2.7	5.8	7.3	5.8	2.7	0.8	0.1						
-90	0.1	0.8	2.7	5.8	7.3	5.8	2.7	0.8	0.1							

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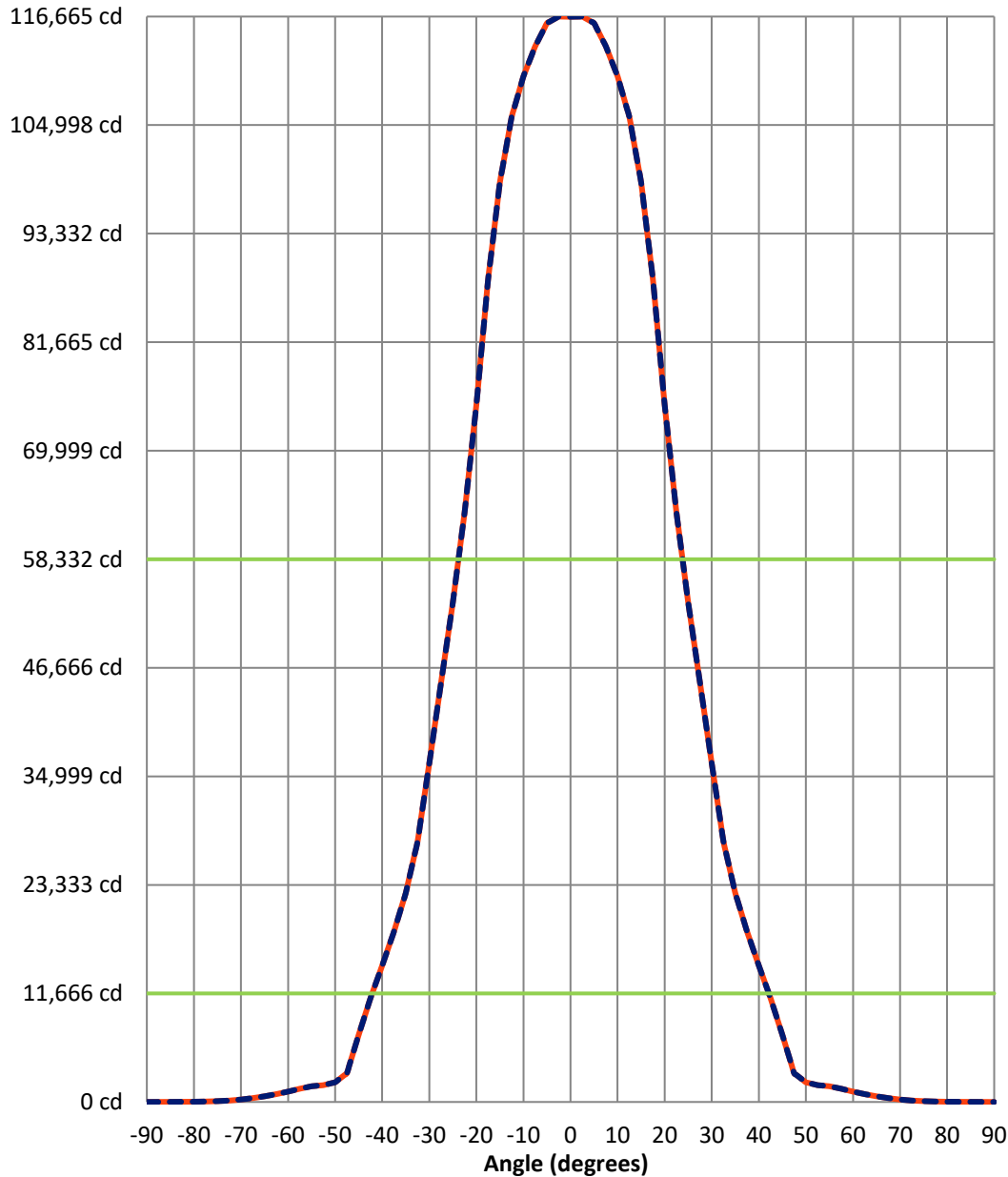
### Luminous Intensity Polar Plot



— 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: 47839.2  
 Efficiency: 56.1%

**Field:**  
 H Angle: 84.3°  
 V Angle: 84.3°  
 Lumens: 79455.1  
 Efficiency: 93.2%

**Spill:**  
 Lumens: 5819.8  
 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	39.7
60°	0.0	2.8	5.7	8.5	11.3	14.7	18.2	22.9	27.7	37.7	48.3
57.5°	0.0	3.1	6.1	9.1	12.3	16.1	20.4	25.5	33.7	45.2	61.2
55°	0.0	3.3	6.5	9.7	13.3	17.4	22.5	28.0	40.2	53.9	76.1
52.5°	0.0	3.5	6.9	10.3	14.3	18.7	24.6	33.3	46.6	66.9	90.5
50°	0.0	3.7	7.3	10.9	15.3	20.4	26.6	38.7	54.3	79.5	110.2
47.5°	0.0	3.9	7.7	11.5	16.2	22.0	28.9	43.9	65.1	91.7	129.8
45°	0.0	4.0	8.0	12.1	17.1	23.6	33.3	49.0	75.5	108.7	148.8
42.5°	0.0	4.2	8.4	12.8	18.0	25.1	37.4	56.1	85.5	125.0	181.2
40°	0.0	4.4	8.7	13.4	19.0	26.5	41.3	64.4	96.5	140.7	214.5
37.5°	0.0	4.5	9.0	14.0	20.1	27.9	45.1	72.4	109.7	159.4	246.2
35°	0.0	4.7	9.3	14.5	21.1	30.2	48.6	79.9	122.2	186.3	280.5
32.5°	0.0	4.8	9.5	15.0	22.0	33.0	52.8	86.9	134.0	211.7	319.2
30°	0.0	4.9	9.8	15.5	23.0	35.6	58.4	94.3	145.1	235.6	355.5
27.5°	0.0	5.1	10.0	16.0	23.8	38.0	63.7	103.2	158.8	257.7	389.2
25°	0.0	5.2	10.2	16.4	24.6	40.2	68.5	111.4	176.8	282.9	420.7
22.5°	0.0	5.3	10.4	16.8	25.3	42.2	72.9	118.9	193.2	308.3	456.3
20°	0.0	5.4	10.6	17.1	25.9	44.1	76.8	125.6	208.0	331.2	488.4
17.5°	0.0	5.4	10.8	17.4	26.4	45.7	80.4	131.6	221.2	351.6	516.9
15°	0.0	5.5	10.9	17.7	26.9	47.1	83.4	136.9	232.7	369.3	541.8
12.5°	0.0	5.6	11.0	17.9	27.4	48.3	86.0	141.3	242.4	384.4	563.0
10°	0.0	5.6	11.1	18.1	27.7	49.2	88.2	145.0	250.5	396.9	580.5
7.5°	0.0	5.7	11.2	18.2	28.0	50.0	89.8	147.8	256.7	406.6	594.1
5°	0.0	5.7	11.3	18.3	28.1	50.6	91.0	149.9	261.2	413.5	603.9
2.5°	0.0	5.7	11.3	18.4	28.3	50.9	91.8	151.1	263.9	417.7	609.7
0°	0.0	5.7	11.3	18.4	28.3	51.0	92.0	151.5	264.8	419.1	611.7
-2.5°	0.0	5.7	11.3	18.4	28.3	51.0	92.0	151.5	264.8	419.1	611.7
-5°	0.0	5.7	11.3	18.3	28.1	50.6	91.0	149.9	261.2	413.5	603.9
-7.5°	0.0	5.7	11.2	18.2	28.0	50.0	89.8	147.8	256.7	406.6	594.1
-10°	0.0	5.6	11.1	18.1	27.7	49.2	88.2	145.0	250.5	396.9	580.5
-12.5°	0.0	5.6	11.0	17.9	27.4	48.3	86.0	141.3	242.4	384.4	563.0
-15°	0.0	5.5	10.9	17.7	26.9	47.1	83.4	136.9	232.7	369.3	541.8
-17.5°	0.0	5.4	10.8	17.4	26.4	45.7	80.4	131.6	221.2	351.6	516.9
-20°	0.0	5.4	10.6	17.1	25.9	44.1	76.8	125.6	208.0	331.2	488.4



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 CATALOG NUMBER: EPH-08-530N-40-80-5S-HEG-A

**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	72.9	118.9	193.2	308.3	456.3
-25°	0.0	5.2	10.2	16.4	24.6	40.2	68.5	111.4	176.8	282.9	420.7
-27.5°	0.0	5.1	10.0	16.0	23.8	38.0	63.7	103.2	158.8	257.7	389.2
-30°	0.0	4.9	9.8	15.5	23.0	35.6	58.4	94.3	145.1	235.6	355.5
-32.5°	0.0	4.8	9.5	15.0	22.0	33.0	52.8	86.9	134.0	211.7	319.2
-35°	0.0	4.7	9.3	14.5	21.1	30.2	48.6	79.9	122.2	186.3	280.5
-37.5°	0.0	4.5	9.0	14.0	20.1	27.9	45.1	72.4	109.7	159.4	246.2
-40°	0.0	4.4	8.7	13.4	19.0	26.5	41.3	64.4	96.5	140.7	214.5
-42.5°	0.0	4.2	8.4	12.8	18.0	25.1	37.4	56.1	85.5	125.0	181.2
-45°	0.0	4.0	8.0	12.1	17.1	23.6	33.3	49.0	75.5	108.7	148.8
-47.5°	0.0	3.9	7.7	11.5	16.2	22.0	28.9	43.9	65.1	91.7	129.8
-50°	0.0	3.7	7.3	10.9	15.3	20.4	26.6	38.7	54.3	79.5	110.2
-52.5°	0.0	3.5	6.9	10.3	14.3	18.7	24.6	33.3	46.6	66.9	90.5
-55°	0.0	3.3	6.5	9.7	13.3	17.4	22.5	28.0	40.2	53.9	76.1
-57.5°	0.0	3.1	6.1	9.1	12.3	16.1	20.4	25.5	33.7	45.2	61.2
-60°	0.0	2.8	5.7	8.5	11.3	14.7	18.2	22.9	27.7	37.7	48.3
-62.5°	0.0	2.6	5.3	7.8	10.4	13.4	16.6	20.3	24.7	29.9	39.7
-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: P1305927 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-HEG-A

**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	33.3	37.4	41.3	45.1
72.5°	20.3	22.9	25.5	28.0	33.3	38.7	43.9	49.0	56.1	64.4	72.4
70°	24.7	27.7	33.7	40.2	46.6	54.3	65.1	75.5	85.5	96.5	109.7
67.5°	29.9	37.7	45.2	53.9	66.9	79.5	91.7	108.7	125.0	140.7	159.4
65°	39.7	48.3	61.2	76.1	90.5	110.2	129.8	148.8	181.2	214.5	246.2
62.5°	49.3	64.9	81.6	100.5	123.5	145.9	182.2	222.1	260.4	308.9	356.7
60°	64.9	83.4	105.9	131.6	161.5	208.0	253.1	308.3	365.5	420.7	486.2
57.5°	81.6	105.9	134.4	171.9	223.7	277.4	344.1	408.6	483.6	558.2	633.4
55°	100.5	131.6	171.9	228.9	291.7	365.7	442.1	529.1	613.3	711.8	806.1
52.5°	123.5	161.5	223.7	291.7	372.9	460.4	556.6	658.4	768.5	879.0	996.6
50°	145.9	208.0	277.4	365.7	460.4	565.8	681.1	802.9	932.4	1064.0	1200.1
47.5°	182.2	253.1	344.1	442.1	556.6	681.1	814.4	959.4	1104.8	1262.6	1416.2
45°	222.1	308.3	408.6	529.1	658.4	802.9	959.4	1118.5	1294.1	1458.9	1600.1
42.5°	260.4	365.5	483.6	613.3	768.5	932.4	1104.8	1294.1	1472.7	1628.2	1731.3
40°	308.9	420.7	558.2	711.8	879.0	1064.0	1262.6	1458.9	1628.2	1737.7	1808.8
37.5°	356.7	486.2	633.4	806.1	996.6	1200.1	1416.2	1600.1	1731.3	1808.8	1998.3
35°	402.1	548.4	716.2	903.7	1108.9	1337.3	1544.5	1712.2	1795.8	1981.0	2332.3
32.5°	451.4	607.2	794.6	1002.2	1228.7	1462.1	1665.2	1770.0	1929.4	2218.8	2914.3
30°	501.6	673.6	871.8	1095.0	1342.8	1568.4	1731.9	1844.6	2081.5	2740.6	4619.2
27.5°	548.4	736.5	951.4	1190.3	1446.6	1668.0	1779.8	1978.3	2455.2	3622.8	6844.6
25°	591.6	794.6	1025.1	1281.7	1532.1	1723.4	1843.8	2103.2	2886.5	5576.5	8837.2
22.5°	635.4	848.0	1092.6	1365.4	1610.7	1761.5	1950.7	2434.4	3841.1	7384.4	10665.3
20°	679.0	903.7	1158.6	1439.4	1682.0	1796.1	2048.0	2772.5	5382.1	8944.2	12228.7
17.5°	717.7	953.3	1220.5	1497.8	1716.8	1850.5	2166.6	3076.2	6769.0	10351.3	13588.2
15°	751.6	996.6	1274.7	1549.0	1741.7	1921.1	2413.1	4085.0	7950.6	11558.1	14795.1
12.5°	780.5	1033.6	1320.9	1592.7	1763.1	1981.4	2624.2	5053.9	8938.3	12517.0	15878.9
10°	804.2	1064.0	1358.9	1628.7	1780.7	2031.3	2798.8	5856.1	9757.3	13313.8	16781.4
7.5°	822.7	1087.8	1388.7	1656.9	1794.5	2070.4	2935.8	6486.2	10401.5	13941.5	17493.7
5°	836.0	1104.8	1410.1	1677.2	1804.4	2098.4	3034.3	6939.7	10865.6	14394.2	18008.2
2.5°	844.0	1115.1	1422.9	1689.3	1810.3	2115.4	3093.7	7213.1	11145.6	14667.6	18319.2
0°	846.7	1118.5	1427.2	1693.4	1812.3	2121.0	3113.5	7304.5	11239.2	14759.0	18423.3
-2.5°	844.0	1115.1	1422.9	1689.3	1810.3	2115.4	3093.7	7213.1	11145.6	14667.6	18319.2
-5°	836.0	1104.8	1410.1	1677.2	1804.4	2098.4	3034.3	6939.7	10865.6	14394.2	18008.2
-7.5°	822.7	1087.8	1388.7	1656.9	1794.5	2070.4	2935.8	6486.2	10401.5	13941.5	17493.7
-10°	804.2	1064.0	1358.9	1628.7	1780.7	2031.3	2798.8	5856.1	9757.3	13313.8	16781.4
-12.5°	780.5	1033.6	1320.9	1592.7	1763.1	1981.4	2624.2	5053.9	8938.3	12517.0	15878.9
-15°	751.6	996.6	1274.7	1549.0	1741.7	1921.1	2413.1	4085.0	7950.6	11558.1	14795.1
-17.5°	717.7	953.3	1220.5	1497.8	1716.8	1850.5	2166.6	3076.2	6769.0	10351.3	13588.2
-20°	679.0	903.7	1158.6	1439.4	1682.0	1796.1	2048.0	2772.5	5382.1	8944.2	12228.7



REPORT NUMBER: P1305927 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	635.4	848.0	1092.6	1365.4	1610.7	1761.5	1950.7	2434.4	3841.1	7384.4	10665.3
-25°	591.6	794.6	1025.1	1281.7	1532.1	1723.4	1843.8	2103.2	2886.5	5576.5	8837.2
-27.5°	548.4	736.5	951.4	1190.3	1446.6	1668.0	1779.8	1978.3	2455.2	3622.8	6844.6
-30°	501.6	673.6	871.8	1095.0	1342.8	1568.4	1731.9	1844.6	2081.5	2740.6	4619.2
-32.5°	451.4	607.2	794.6	1002.2	1228.7	1462.1	1665.2	1770.0	1929.4	2218.8	2914.3
-35°	402.1	548.4	716.2	903.7	1108.9	1337.3	1544.5	1712.2	1795.8	1981.0	2332.3
-37.5°	356.7	486.2	633.4	806.1	996.6	1200.1	1416.2	1600.1	1731.3	1808.8	1998.3
-40°	308.9	420.7	558.2	711.8	879.0	1064.0	1262.6	1458.9	1628.2	1737.7	1808.8
-42.5°	260.4	365.5	483.6	613.3	768.5	932.4	1104.8	1294.1	1472.7	1628.2	1731.3
-45°	222.1	308.3	408.6	529.1	658.4	802.9	959.4	1118.5	1294.1	1458.9	1600.1
-47.5°	182.2	253.1	344.1	442.1	556.6	681.1	814.4	959.4	1104.8	1262.6	1416.2
-50°	145.9	208.0	277.4	365.7	460.4	565.8	681.1	802.9	932.4	1064.0	1200.1
-52.5°	123.5	161.5	223.7	291.7	372.9	460.4	556.6	658.4	768.5	879.0	996.6
-55°	100.5	131.6	171.9	228.9	291.7	365.7	442.1	529.1	613.3	711.8	806.1
-57.5°	81.6	105.9	134.4	171.9	223.7	277.4	344.1	408.6	483.6	558.2	633.4
-60°	64.9	83.4	105.9	131.6	161.5	208.0	253.1	308.3	365.5	420.7	486.2
-62.5°	49.3	64.9	81.6	100.5	123.5	145.9	182.2	222.1	260.4	308.9	356.7
-65°	39.7	48.3	61.2	76.1	90.5	110.2	129.8	148.8	181.2	214.5	246.2
-67.5°	29.9	37.7	45.2	53.9	66.9	79.5	91.7	108.7	125.0	140.7	159.4
-70°	24.7	27.7	33.7	40.2	46.6	54.3	65.1	75.5	85.5	96.5	109.7
-72.5°	20.3	22.9	25.5	28.0	33.3	38.7	43.9	49.0	56.1	64.4	72.4
-75°	16.6	18.2	20.4	22.5	24.6	26.6	28.9	33.3	37.4	41.3	45.1
-77.5°	13.4	14.7	16.1	17.4	18.7	20.4	22.0	23.6	25.1	26.5	27.9
-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



REPORT NUMBER: P1305927 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-HEG-A

**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	44.1	45.7	47.1	48.3	49.2
75°	48.6	52.8	58.4	63.7	68.5	72.9	76.8	80.4	83.4	86.0	88.2
72.5°	79.9	86.9	94.3	103.2	111.4	118.9	125.6	131.6	136.9	141.3	145.0
70°	122.2	134.0	145.1	158.8	176.8	193.2	208.0	221.2	232.7	242.4	250.5
67.5°	186.3	211.7	235.6	257.7	282.9	308.3	331.2	351.6	369.3	384.4	396.9
65°	280.5	319.2	355.5	389.2	420.7	456.3	488.4	516.9	541.8	563.0	580.5
62.5°	402.1	451.4	501.6	548.4	591.6	635.4	679.0	717.7	751.6	780.5	804.2
60°	548.4	607.2	673.6	736.5	794.6	848.0	903.7	953.3	996.6	1033.6	1064.0
57.5°	716.2	794.6	871.8	951.4	1025.1	1092.6	1158.6	1220.5	1274.7	1320.9	1358.9
55°	903.7	1002.2	1095.0	1190.3	1281.7	1365.4	1439.4	1497.8	1549.0	1592.7	1628.7
52.5°	1108.9	1228.7	1342.8	1446.6	1532.1	1610.7	1682.0	1716.8	1741.7	1763.1	1780.7
50°	1337.3	1462.1	1568.4	1668.0	1723.4	1761.5	1796.1	1850.5	1921.1	1981.4	2031.3
47.5°	1544.5	1665.2	1731.9	1779.8	1843.8	1950.7	2048.0	2166.6	2413.1	2624.2	2798.8
45°	1712.2	1770.0	1844.6	1978.3	2103.2	2434.4	2772.5	3076.2	4085.0	5053.9	5856.1
42.5°	1795.8	1929.4	2081.5	2455.2	2886.5	3841.1	5382.1	6769.0	7950.6	8938.3	9757.3
40°	1981.0	2218.8	2740.6	3622.8	5576.5	7384.4	8944.2	10351.3	11558.1	12517.0	13313.8
37.5°	2332.3	2914.3	4619.2	6844.6	8837.2	10665.3	12228.7	13588.2	14795.1	15878.9	16781.4
35°	2972.6	5123.0	7598.3	9825.6	11853.9	13608.3	15245.0	16773.2	18132.4	19428.9	20544.1
32.5°	5123.0	7842.0	10326.0	12542.7	14549.5	16498.3	18309.6	20166.2	21837.2	23531.0	25161.4
30°	7598.3	10326.0	12774.4	15037.8	17265.5	19487.4	21696.8	24105.1	26533.9	28922.8	31661.0
27.5°	9825.6	12542.7	15037.8	17523.9	20093.8	22655.8	25838.0	29092.0	33142.2	36694.8	39753.5
25°	11853.9	14549.5	17265.5	20093.8	23080.8	26721.2	31204.4	36059.5	40532.9	44491.5	47835.8
22.5°	13608.3	16498.3	19487.4	22655.8	26721.2	31918.6	37568.4	42913.5	47774.4	52077.2	55981.8
20°	15245.0	18309.6	21696.8	25838.0	31204.4	37568.4	43720.9	49459.1	54814.1	60165.8	64968.9
17.5°	16773.2	20166.2	24105.1	29092.0	36059.5	42913.5	49459.1	55837.0	62334.9	69090.1	75262.0
15°	18132.4	21837.2	26533.9	33142.2	40532.9	47774.4	54814.1	62334.9	70503.7	78743.3	86823.2
12.5°	19428.9	23531.0	28922.8	36694.8	44491.5	52077.2	60165.8	69090.1	78743.3	88785.6	95728.3
10°	20544.1	25161.4	31661.0	39753.5	47835.8	55981.8	64968.9	75262.0	86823.2	95728.3	102405.8
7.5°	21426.2	26454.7	33840.3	42198.4	50516.7	59355.2	69491.9	81163.7	92538.8	101060.3	106457.7
5°	22064.5	27392.5	35425.0	43982.5	52481.8	61842.3	72852.2	85641.5	96406.9	104161.9	108916.1
2.5°	22450.9	27961.2	36387.7	45068.9	53682.2	63368.0	74925.7	88427.3	98842.4	105880.2	110236.6
0°	22580.3	28151.7	36710.6	45433.8	54086.1	63882.5	75627.1	89373.8	99675.6	106408.1	110688.3
-2.5°	22450.9	27961.2	36387.7	45068.9	53682.2	63368.0	74925.7	88427.3	98842.4	105880.2	110236.6
-5°	22064.5	27392.5	35425.0	43982.5	52481.8	61842.3	72852.2	85641.5	96406.9	104161.9	108916.1
-7.5°	21426.2	26454.7	33840.3	42198.4	50516.7	59355.2	69491.9	81163.7	92538.8	101060.3	106457.7
-10°	20544.1	25161.4	31661.0	39753.5	47835.8	55981.8	64968.9	75262.0	86823.2	95728.3	102405.8
-12.5°	19428.9	23531.0	28922.8	36694.8	44491.5	52077.2	60165.8	69090.1	78743.3	88785.6	95728.3
-15°	18132.4	21837.2	26533.9	33142.2	40532.9	47774.4	54814.1	62334.9	70503.7	78743.3	86823.2
-17.5°	16773.2	20166.2	24105.1	29092.0	36059.5	42913.5	49459.1	55837.0	62334.9	69090.1	75262.0
-20°	15245.0	18309.6	21696.8	25838.0	31204.4	37568.4	43720.9	49459.1	54814.1	60165.8	64968.9



REPORT NUMBER: P1305927 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	13608.3	16498.3	19487.4	22655.8	26721.2	31918.6	37568.4	42913.5	47774.4	52077.2	55981.8
-25°	11853.9	14549.5	17265.5	20093.8	23080.8	26721.2	31204.4	36059.5	40532.9	44491.5	47835.8
-27.5°	9825.6	12542.7	15037.8	17523.9	20093.8	22655.8	25838.0	29092.0	33142.2	36694.8	39753.5
-30°	7598.3	10326.0	12774.4	15037.8	17265.5	19487.4	21696.8	24105.1	26533.9	28922.8	31661.0
-32.5°	5123.0	7842.0	10326.0	12542.7	14549.5	16498.3	18309.6	20166.2	21837.2	23531.0	25161.4
-35°	2972.6	5123.0	7598.3	9825.6	11853.9	13608.3	15245.0	16773.2	18132.4	19428.9	20544.1
-37.5°	2332.3	2914.3	4619.2	6844.6	8837.2	10665.3	12228.7	13588.2	14795.1	15878.9	16781.4
-40°	1981.0	2218.8	2740.6	3622.8	5576.5	7384.4	8944.2	10351.3	11558.1	12517.0	13313.8
-42.5°	1795.8	1929.4	2081.5	2455.2	2886.5	3841.1	5382.1	6769.0	7950.6	8938.3	9757.3
-45°	1712.2	1770.0	1844.6	1978.3	2103.2	2434.4	2772.5	3076.2	4085.0	5053.9	5856.1
-47.5°	1544.5	1665.2	1731.9	1779.8	1843.8	1950.7	2048.0	2166.6	2413.1	2624.2	2798.8
-50°	1337.3	1462.1	1568.4	1668.0	1723.4	1761.5	1796.1	1850.5	1921.1	1981.4	2031.3
-52.5°	1108.9	1228.7	1342.8	1446.6	1532.1	1610.7	1682.0	1716.8	1741.7	1763.1	1780.7
-55°	903.7	1002.2	1095.0	1190.3	1281.7	1365.4	1439.4	1497.8	1549.0	1592.7	1628.7
-57.5°	716.2	794.6	871.8	951.4	1025.1	1092.6	1158.6	1220.5	1274.7	1320.9	1358.9
-60°	548.4	607.2	673.6	736.5	794.6	848.0	903.7	953.3	996.6	1033.6	1064.0
-62.5°	402.1	451.4	501.6	548.4	591.6	635.4	679.0	717.7	751.6	780.5	804.2
-65°	280.5	319.2	355.5	389.2	420.7	456.3	488.4	516.9	541.8	563.0	580.5
-67.5°	186.3	211.7	235.6	257.7	282.9	308.3	331.2	351.6	369.3	384.4	396.9
-70°	122.2	134.0	145.1	158.8	176.8	193.2	208.0	221.2	232.7	242.4	250.5
-72.5°	79.9	86.9	94.3	103.2	111.4	118.9	125.6	131.6	136.9	141.3	145.0
-75°	48.6	52.8	58.4	63.7	68.5	72.9	76.8	80.4	83.4	86.0	88.2
-77.5°	30.2	33.0	35.6	38.0	40.2	42.2	44.1	45.7	47.1	48.3	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



REPORT NUMBER: P1305927 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-HEG-A

**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°	50.0	50.6	50.9	51.0	50.9	50.6	50.0	49.2	48.3	47.1	45.7
75°	89.8	91.0	91.8	92.0	91.8	91.0	89.8	88.2	86.0	83.4	80.4
72.5°	147.8	149.9	151.1	151.5	151.1	149.9	147.8	145.0	141.3	136.9	131.6
70°	256.7	261.2	263.9	264.8	263.9	261.2	256.7	250.5	242.4	232.7	221.2
67.5°	406.6	413.5	417.7	419.1	417.7	413.5	406.6	396.9	384.4	369.3	351.6
65°	594.1	603.9	609.7	611.7	609.7	603.9	594.1	580.5	563.0	541.8	516.9
62.5°	822.7	836.0	844.0	846.7	844.0	836.0	822.7	804.2	780.5	751.6	717.7
60°	1087.8	1104.8	1115.1	1118.5	1115.1	1104.8	1087.8	1064.0	1033.6	996.6	953.3
57.5°	1388.7	1410.1	1422.9	1427.2	1422.9	1410.1	1388.7	1358.9	1320.9	1274.7	1220.5
55°	1656.9	1677.2	1689.3	1693.4	1689.3	1677.2	1656.9	1628.7	1592.7	1549.0	1497.8
52.5°	1794.5	1804.4	1810.3	1812.3	1810.3	1804.4	1794.5	1780.7	1763.1	1741.7	1716.8
50°	2070.4	2098.4	2115.4	2121.0	2115.4	2098.4	2070.4	2031.3	1981.4	1921.1	1850.5
47.5°	2935.8	3034.3	3093.7	3113.5	3093.7	3034.3	2935.8	2798.8	2624.2	2413.1	2166.6
45°	6486.2	6939.7	7213.1	7304.5	7213.1	6939.7	6486.2	5856.1	5053.9	4085.0	3076.2
42.5°	10401.5	10865.6	11145.6	11239.2	11145.6	10865.6	10401.5	9757.3	8938.3	7950.6	6769.0
40°	13941.5	14394.2	14667.6	14759.0	14667.6	14394.2	13941.5	13313.8	12517.0	11558.1	10351.3
37.5°	17493.7	18008.2	18319.2	18423.3	18319.2	18008.2	17493.7	16781.4	15878.9	14795.1	13588.2
35°	21426.2	22064.5	22450.9	22580.3	22450.9	22064.5	21426.2	20544.1	19428.9	18132.4	16773.2
32.5°	26454.7	27392.5	27961.2	28151.7	27961.2	27392.5	26454.7	25161.4	23531.0	21837.2	20166.2
30°	33840.3	35425.0	36387.7	36710.6	36387.7	35425.0	33840.3	31661.0	28922.8	26533.9	24105.1
27.5°	42198.4	43982.5	45068.9	45433.8	45068.9	43982.5	42198.4	39753.5	36694.8	33142.2	29092.0
25°	50516.7	52481.8	53682.2	54086.1	53682.2	52481.8	50516.7	47835.8	44491.5	40532.9	36059.5
22.5°	59355.2	61842.3	63368.0	63882.5	63368.0	61842.3	59355.2	55981.8	52077.2	47774.4	42913.5
20°	69491.9	72852.2	74925.7	75627.1	74925.7	72852.2	69491.9	64968.9	60165.8	54814.1	49459.1
17.5°	81163.7	85641.5	88427.3	89373.8	88427.3	85641.5	81163.7	75262.0	69090.1	62334.9	55837.0
15°	92538.8	96406.9	98842.4	99675.6	98842.4	96406.9	92538.8	86823.2	78743.3	70503.7	62334.9
12.5°	101060.3	104161.9	105880.2	106408.1	105880.2	104161.9	101060.3	95728.3	88785.6	78743.3	69090.1
10°	106457.7	108916.1	110236.6	110688.3	110236.6	108916.1	106457.7	102405.8	95728.3	86823.2	75262.0
7.5°	109811.5	112100.0	113474.5	113958.9	113474.5	112100.0	109811.5	106457.7	101060.3	92538.8	81163.7
5°	112100.0	114479.3	115955.4	116405.5	115955.4	114479.3	112100.0	108916.1	104161.9	96406.9	85641.5
2.5°	113474.5	115955.4	116664.7	116640.6	116664.7	115955.4	113474.5	110236.6	105880.2	98842.4	88427.3
0°	113958.9	116405.5	116640.6	116190.3	116640.6	116405.5	113958.9	110688.3	106408.1	99675.6	89373.8
-2.5°	113474.5	115955.4	116664.7	116640.6	116664.7	115955.4	113474.5	110236.6	105880.2	98842.4	88427.3
-5°	112100.0	114479.3	115955.4	116405.5	115955.4	114479.3	112100.0	108916.1	104161.9	96406.9	85641.5
-7.5°	109811.5	112100.0	113474.5	113958.9	113474.5	112100.0	109811.5	106457.7	101060.3	92538.8	81163.7
-10°	106457.7	108916.1	110236.6	110688.3	110236.6	108916.1	106457.7	102405.8	95728.3	86823.2	75262.0
-12.5°	101060.3	104161.9	105880.2	106408.1	105880.2	104161.9	101060.3	95728.3	88785.6	78743.3	69090.1
-15°	92538.8	96406.9	98842.4	99675.6	98842.4	96406.9	92538.8	86823.2	78743.3	70503.7	62334.9
-17.5°	81163.7	85641.5	88427.3	89373.8	88427.3	85641.5	81163.7	75262.0	69090.1	62334.9	55837.0
-20°	69491.9	72852.2	74925.7	75627.1	74925.7	72852.2	69491.9	64968.9	60165.8	54814.1	49459.1



REPORT NUMBER: P1305927 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	59355.2	61842.3	63368.0	63882.5	63368.0	61842.3	59355.2	55981.8	52077.2	47774.4	42913.5
-25°	50516.7	52481.8	53682.2	54086.1	53682.2	52481.8	50516.7	47835.8	44491.5	40532.9	36059.5
-27.5°	42198.4	43982.5	45068.9	45433.8	45068.9	43982.5	42198.4	39753.5	36694.8	33142.2	29092.0
-30°	33840.3	35425.0	36387.7	36710.6	36387.7	35425.0	33840.3	31661.0	28922.8	26533.9	24105.1
-32.5°	26454.7	27392.5	27961.2	28151.7	27961.2	27392.5	26454.7	25161.4	23531.0	21837.2	20166.2
-35°	21426.2	22064.5	22450.9	22580.3	22450.9	22064.5	21426.2	20544.1	19428.9	18132.4	16773.2
-37.5°	17493.7	18008.2	18319.2	18423.3	18319.2	18008.2	17493.7	16781.4	15878.9	14795.1	13588.2
-40°	13941.5	14394.2	14667.6	14759.0	14667.6	14394.2	13941.5	13313.8	12517.0	11558.1	10351.3
-42.5°	10401.5	10865.6	11145.6	11239.2	11145.6	10865.6	10401.5	9757.3	8938.3	7950.6	6769.0
-45°	6486.2	6939.7	7213.1	7304.5	7213.1	6939.7	6486.2	5856.1	5053.9	4085.0	3076.2
-47.5°	2935.8	3034.3	3093.7	3113.5	3093.7	3034.3	2935.8	2798.8	2624.2	2413.1	2166.6
-50°	2070.4	2098.4	2115.4	2121.0	2115.4	2098.4	2070.4	2031.3	1981.4	1921.1	1850.5
-52.5°	1794.5	1804.4	1810.3	1812.3	1810.3	1804.4	1794.5	1780.7	1763.1	1741.7	1716.8
-55°	1656.9	1677.2	1689.3	1693.4	1689.3	1677.2	1656.9	1628.7	1592.7	1549.0	1497.8
-57.5°	1388.7	1410.1	1422.9	1427.2	1422.9	1410.1	1388.7	1358.9	1320.9	1274.7	1220.5
-60°	1087.8	1104.8	1115.1	1118.5	1115.1	1104.8	1087.8	1064.0	1033.6	996.6	953.3
-62.5°	822.7	836.0	844.0	846.7	844.0	836.0	822.7	804.2	780.5	751.6	717.7
-65°	594.1	603.9	609.7	611.7	609.7	603.9	594.1	580.5	563.0	541.8	516.9
-67.5°	406.6	413.5	417.7	419.1	417.7	413.5	406.6	396.9	384.4	369.3	351.6
-70°	256.7	261.2	263.9	264.8	263.9	261.2	256.7	250.5	242.4	232.7	221.2
-72.5°	147.8	149.9	151.1	151.5	151.1	149.9	147.8	145.0	141.3	136.9	131.6
-75°	89.8	91.0	91.8	92.0	91.8	91.0	89.8	88.2	86.0	83.4	80.4
-77.5°	50.0	50.6	50.9	51.0	50.9	50.6	50.0	49.2	48.3	47.1	45.7
-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



REPORT NUMBER: P1305927 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-HEG-A

**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°	44.1	42.2	40.2	38.0	35.6	33.0	30.2	27.9	26.5	25.1	23.6
75°	76.8	72.9	68.5	63.7	58.4	52.8	48.6	45.1	41.3	37.4	33.3
72.5°	125.6	118.9	111.4	103.2	94.3	86.9	79.9	72.4	64.4	56.1	49.0
70°	208.0	193.2	176.8	158.8	145.1	134.0	122.2	109.7	96.5	85.5	75.5
67.5°	331.2	308.3	282.9	257.7	235.6	211.7	186.3	159.4	140.7	125.0	108.7
65°	488.4	456.3	420.7	389.2	355.5	319.2	280.5	246.2	214.5	181.2	148.8
62.5°	679.0	635.4	591.6	548.4	501.6	451.4	402.1	356.7	308.9	260.4	222.1
60°	903.7	848.0	794.6	736.5	673.6	607.2	548.4	486.2	420.7	365.5	308.3
57.5°	1158.6	1092.6	1025.1	951.4	871.8	794.6	716.2	633.4	558.2	483.6	408.6
55°	1439.4	1365.4	1281.7	1190.3	1095.0	1002.2	903.7	806.1	711.8	613.3	529.1
52.5°	1682.0	1610.7	1532.1	1446.6	1342.8	1228.7	1108.9	996.6	879.0	768.5	658.4
50°	1796.1	1761.5	1723.4	1668.0	1568.4	1462.1	1337.3	1200.1	1064.0	932.4	802.9
47.5°	2048.0	1950.7	1843.8	1779.8	1731.9	1665.2	1544.5	1416.2	1262.6	1104.8	959.4
45°	2772.5	2434.4	2103.2	1978.3	1844.6	1770.0	1712.2	1600.1	1458.9	1294.1	1118.5
42.5°	5382.1	3841.1	2886.5	2455.2	2081.5	1929.4	1795.8	1731.3	1628.2	1472.7	1294.1
40°	8944.2	7384.4	5576.5	3622.8	2740.6	2218.8	1981.0	1808.8	1737.7	1628.2	1458.9
37.5°	12228.7	10665.3	8837.2	6844.6	4619.2	2914.3	2332.3	1998.3	1808.8	1731.3	1600.1
35°	15245.0	13608.3	11853.9	9825.6	7598.3	5123.0	2972.6	2332.3	1981.0	1795.8	1712.2
32.5°	18309.6	16498.3	14549.5	12542.7	10326.0	7842.0	5123.0	2914.3	2218.8	1929.4	1770.0
30°	21696.8	19487.4	17265.5	15037.8	12774.4	10326.0	7598.3	4619.2	2740.6	2081.5	1844.6
27.5°	25838.0	22655.8	20093.8	17523.9	15037.8	12542.7	9825.6	6844.6	3622.8	2455.2	1978.3
25°	31204.4	26721.2	23080.8	20093.8	17265.5	14549.5	11853.9	8837.2	5576.5	2886.5	2103.2
22.5°	37568.4	31918.6	26721.2	22655.8	19487.4	16498.3	13608.3	10665.3	7384.4	3841.1	2434.4
20°	43720.9	37568.4	31204.4	25838.0	21696.8	18309.6	15245.0	12228.7	8944.2	5382.1	2772.5
17.5°	49459.1	42913.5	36059.5	29092.0	24105.1	20166.2	16773.2	13588.2	10351.3	6769.0	3076.2
15°	54814.1	47774.4	40532.9	33142.2	26533.9	21837.2	18132.4	14795.1	11558.1	7950.6	4085.0
12.5°	60165.8	52077.2	44491.5	36694.8	28922.8	23531.0	19428.9	15878.9	12517.0	8938.3	5053.9
10°	64968.9	55981.8	47835.8	39753.5	31661.0	25161.4	20544.1	16781.4	13313.8	9757.3	5856.1
7.5°	69491.9	59355.2	50516.7	42198.4	33840.3	26454.7	21426.2	17493.7	13941.5	10401.5	6486.2
5°	72852.2	61842.3	52481.8	43982.5	35425.0	27392.5	22064.5	18008.2	14394.2	10865.6	6939.7
2.5°	74925.7	63368.0	53682.2	45068.9	36387.7	27961.2	22450.9	18319.2	14667.6	11145.6	7213.1
0°	75627.1	63882.5	54086.1	45433.8	36710.6	28151.7	22580.3	18423.3	14759.0	11239.2	7304.5
-2.5°	74925.7	63368.0	53682.2	45068.9	36387.7	27961.2	22450.9	18319.2	14667.6	11145.6	7213.1
-5°	72852.2	61842.3	52481.8	43982.5	35425.0	27392.5	22064.5	18008.2	14394.2	10865.6	6939.7
-7.5°	69491.9	59355.2	50516.7	42198.4	33840.3	26454.7	21426.2	17493.7	13941.5	10401.5	6486.2
-10°	64968.9	55981.8	47835.8	39753.5	31661.0	25161.4	20544.1	16781.4	13313.8	9757.3	5856.1
-12.5°	60165.8	52077.2	44491.5	36694.8	28922.8	23531.0	19428.9	15878.9	12517.0	8938.3	5053.9
-15°	54814.1	47774.4	40532.9	33142.2	26533.9	21837.2	18132.4	14795.1	11558.1	7950.6	4085.0
-17.5°	49459.1	42913.5	36059.5	29092.0	24105.1	20166.2	16773.2	13588.2	10351.3	6769.0	3076.2
-20°	43720.9	37568.4	31204.4	25838.0	21696.8	18309.6	15245.0	12228.7	8944.2	5382.1	2772.5



REPORT NUMBER: P1305927 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	37568.4	31918.6	26721.2	22655.8	19487.4	16498.3	13608.3	10665.3	7384.4	3841.1	2434.4
-25°	31204.4	26721.2	23080.8	20093.8	17265.5	14549.5	11853.9	8837.2	5576.5	2886.5	2103.2
-27.5°	25838.0	22655.8	20093.8	17523.9	15037.8	12542.7	9825.6	6844.6	3622.8	2455.2	1978.3
-30°	21696.8	19487.4	17265.5	15037.8	12774.4	10326.0	7598.3	4619.2	2740.6	2081.5	1844.6
-32.5°	18309.6	16498.3	14549.5	12542.7	10326.0	7842.0	5123.0	2914.3	2218.8	1929.4	1770.0
-35°	15245.0	13608.3	11853.9	9825.6	7598.3	5123.0	2972.6	2332.3	1981.0	1795.8	1712.2
-37.5°	12228.7	10665.3	8837.2	6844.6	4619.2	2914.3	2332.3	1998.3	1808.8	1731.3	1600.1
-40°	8944.2	7384.4	5576.5	3622.8	2740.6	2218.8	1981.0	1808.8	1737.7	1628.2	1458.9
-42.5°	5382.1	3841.1	2886.5	2455.2	2081.5	1929.4	1795.8	1731.3	1628.2	1472.7	1294.1
-45°	2772.5	2434.4	2103.2	1978.3	1844.6	1770.0	1712.2	1600.1	1458.9	1294.1	1118.5
-47.5°	2048.0	1950.7	1843.8	1779.8	1731.9	1665.2	1544.5	1416.2	1262.6	1104.8	959.4
-50°	1796.1	1761.5	1723.4	1668.0	1568.4	1462.1	1337.3	1200.1	1064.0	932.4	802.9
-52.5°	1682.0	1610.7	1532.1	1446.6	1342.8	1228.7	1108.9	996.6	879.0	768.5	658.4
-55°	1439.4	1365.4	1281.7	1190.3	1095.0	1002.2	903.7	806.1	711.8	613.3	529.1
-57.5°	1158.6	1092.6	1025.1	951.4	871.8	794.6	716.2	633.4	558.2	483.6	408.6
-60°	903.7	848.0	794.6	736.5	673.6	607.2	548.4	486.2	420.7	365.5	308.3
-62.5°	679.0	635.4	591.6	548.4	501.6	451.4	402.1	356.7	308.9	260.4	222.1
-65°	488.4	456.3	420.7	389.2	355.5	319.2	280.5	246.2	214.5	181.2	148.8
-67.5°	331.2	308.3	282.9	257.7	235.6	211.7	186.3	159.4	140.7	125.0	108.7
-70°	208.0	193.2	176.8	158.8	145.1	134.0	122.2	109.7	96.5	85.5	75.5
-72.5°	125.6	118.9	111.4	103.2	94.3	86.9	79.9	72.4	64.4	56.1	49.0
-75°	76.8	72.9	68.5	63.7	58.4	52.8	48.6	45.1	41.3	37.4	33.3
-77.5°	44.1	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: P1305927 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-HEG-A

**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	38.7	33.3	28.0	25.5	22.9	20.3	17.8	15.9	13.9	11.8
70°	65.1	54.3	46.6	40.2	33.7	27.7	24.7	21.6	18.5	16.2	13.9
67.5°	91.7	79.5	66.9	53.9	45.2	37.7	29.9	25.6	22.0	18.5	15.9
65°	129.8	110.2	90.5	76.1	61.2	48.3	39.7	30.9	25.6	21.6	17.8
62.5°	182.2	145.9	123.5	100.5	81.6	64.9	49.3	39.7	29.9	24.7	20.3
60°	253.1	208.0	161.5	131.6	105.9	83.4	64.9	48.3	37.7	27.7	22.9
57.5°	344.1	277.4	223.7	171.9	134.4	105.9	81.6	61.2	45.2	33.7	25.5
55°	442.1	365.7	291.7	228.9	171.9	131.6	100.5	76.1	53.9	40.2	28.0
52.5°	556.6	460.4	372.9	291.7	223.7	161.5	123.5	90.5	66.9	46.6	33.3
50°	681.1	565.8	460.4	365.7	277.4	208.0	145.9	110.2	79.5	54.3	38.7
47.5°	814.4	681.1	556.6	442.1	344.1	253.1	182.2	129.8	91.7	65.1	43.9
45°	959.4	802.9	658.4	529.1	408.6	308.3	222.1	148.8	108.7	75.5	49.0
42.5°	1104.8	932.4	768.5	613.3	483.6	365.5	260.4	181.2	125.0	85.5	56.1
40°	1262.6	1064.0	879.0	711.8	558.2	420.7	308.9	214.5	140.7	96.5	64.4
37.5°	1416.2	1200.1	996.6	806.1	633.4	486.2	356.7	246.2	159.4	109.7	72.4
35°	1544.5	1337.3	1108.9	903.7	716.2	548.4	402.1	280.5	186.3	122.2	79.9
32.5°	1665.2	1462.1	1228.7	1002.2	794.6	607.2	451.4	319.2	211.7	134.0	86.9
30°	1731.9	1568.4	1342.8	1095.0	871.8	673.6	501.6	355.5	235.6	145.1	94.3
27.5°	1779.8	1668.0	1446.6	1190.3	951.4	736.5	548.4	389.2	257.7	158.8	103.2
25°	1843.8	1723.4	1532.1	1281.7	1025.1	794.6	591.6	420.7	282.9	176.8	111.4
22.5°	1950.7	1761.5	1610.7	1365.4	1092.6	848.0	635.4	456.3	308.3	193.2	118.9
20°	2048.0	1796.1	1682.0	1439.4	1158.6	903.7	679.0	488.4	331.2	208.0	125.6
17.5°	2166.6	1850.5	1716.8	1497.8	1220.5	953.3	717.7	516.9	351.6	221.2	131.6
15°	2413.1	1921.1	1741.7	1549.0	1274.7	996.6	751.6	541.8	369.3	232.7	136.9
12.5°	2624.2	1981.4	1763.1	1592.7	1320.9	1033.6	780.5	563.0	384.4	242.4	141.3
10°	2798.8	2031.3	1780.7	1628.7	1358.9	1064.0	804.2	580.5	396.9	250.5	145.0
7.5°	2935.8	2070.4	1794.5	1656.9	1388.7	1087.8	822.7	594.1	406.6	256.7	147.8
5°	3034.3	2098.4	1804.4	1677.2	1410.1	1104.8	836.0	603.9	413.5	261.2	149.9
2.5°	3093.7	2115.4	1810.3	1689.3	1422.9	1115.1	844.0	609.7	417.7	263.9	151.1
0°	3113.5	2121.0	1812.3	1693.4	1427.2	1118.5	846.7	611.7	419.1	264.8	151.5
-2.5°	3093.7	2115.4	1810.3	1689.3	1422.9	1115.1	844.0	609.7	417.7	263.9	151.1
-5°	3034.3	2098.4	1804.4	1677.2	1410.1	1104.8	836.0	603.9	413.5	261.2	149.9
-7.5°	2935.8	2070.4	1794.5	1656.9	1388.7	1087.8	822.7	594.1	406.6	256.7	147.8
-10°	2798.8	2031.3	1780.7	1628.7	1358.9	1064.0	804.2	580.5	396.9	250.5	145.0
-12.5°	2624.2	1981.4	1763.1	1592.7	1320.9	1033.6	780.5	563.0	384.4	242.4	141.3
-15°	2413.1	1921.1	1741.7	1549.0	1274.7	996.6	751.6	541.8	369.3	232.7	136.9
-17.5°	2166.6	1850.5	1716.8	1497.8	1220.5	953.3	717.7	516.9	351.6	221.2	131.6
-20°	2048.0	1796.1	1682.0	1439.4	1158.6	903.7	679.0	488.4	331.2	208.0	125.6



REPORT NUMBER: P1305927 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1950.7	1761.5	1610.7	1365.4	1092.6	848.0	635.4	456.3	308.3	193.2	118.9
-25°	1843.8	1723.4	1532.1	1281.7	1025.1	794.6	591.6	420.7	282.9	176.8	111.4
-27.5°	1779.8	1668.0	1446.6	1190.3	951.4	736.5	548.4	389.2	257.7	158.8	103.2
-30°	1731.9	1568.4	1342.8	1095.0	871.8	673.6	501.6	355.5	235.6	145.1	94.3
-32.5°	1665.2	1462.1	1228.7	1002.2	794.6	607.2	451.4	319.2	211.7	134.0	86.9
-35°	1544.5	1337.3	1108.9	903.7	716.2	548.4	402.1	280.5	186.3	122.2	79.9
-37.5°	1416.2	1200.1	996.6	806.1	633.4	486.2	356.7	246.2	159.4	109.7	72.4
-40°	1262.6	1064.0	879.0	711.8	558.2	420.7	308.9	214.5	140.7	96.5	64.4
-42.5°	1104.8	932.4	768.5	613.3	483.6	365.5	260.4	181.2	125.0	85.5	56.1
-45°	959.4	802.9	658.4	529.1	408.6	308.3	222.1	148.8	108.7	75.5	49.0
-47.5°	814.4	681.1	556.6	442.1	344.1	253.1	182.2	129.8	91.7	65.1	43.9
-50°	681.1	565.8	460.4	365.7	277.4	208.0	145.9	110.2	79.5	54.3	38.7
-52.5°	556.6	460.4	372.9	291.7	223.7	161.5	123.5	90.5	66.9	46.6	33.3
-55°	442.1	365.7	291.7	228.9	171.9	131.6	100.5	76.1	53.9	40.2	28.0
-57.5°	344.1	277.4	223.7	171.9	134.4	105.9	81.6	61.2	45.2	33.7	25.5
-60°	253.1	208.0	161.5	131.6	105.9	83.4	64.9	48.3	37.7	27.7	22.9
-62.5°	182.2	145.9	123.5	100.5	81.6	64.9	49.3	39.7	29.9	24.7	20.3
-65°	129.8	110.2	90.5	76.1	61.2	48.3	39.7	30.9	25.6	21.6	17.8
-67.5°	91.7	79.5	66.9	53.9	45.2	37.7	29.9	25.6	22.0	18.5	15.9
-70°	65.1	54.3	46.6	40.2	33.7	27.7	24.7	21.6	18.5	16.2	13.9
-72.5°	43.9	38.7	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



REPORT NUMBER: P1305927 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-HEG-A

**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°	33.3	23.6	17.1	12.1	8.0	4.0	0.0
42.5°	37.4	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°	45.1	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°	52.8	33.0	22.0	15.0	9.5	4.8	0.0
30°	58.4	35.6	23.0	15.5	9.8	4.9	0.0
27.5°	63.7	38.0	23.8	16.0	10.0	5.1	0.0
25°	68.5	40.2	24.6	16.4	10.2	5.2	0.0
22.5°	72.9	42.2	25.3	16.8	10.4	5.3	0.0
20°	76.8	44.1	25.9	17.1	10.6	5.4	0.0
17.5°	80.4	45.7	26.4	17.4	10.8	5.4	0.0
15°	83.4	47.1	26.9	17.7	10.9	5.5	0.0
12.5°	86.0	48.3	27.4	17.9	11.0	5.6	0.0
10°	88.2	49.2	27.7	18.1	11.1	5.6	0.0
7.5°	89.8	50.0	28.0	18.2	11.2	5.7	0.0
5°	91.0	50.6	28.1	18.3	11.3	5.7	0.0
2.5°	91.8	50.9	28.3	18.4	11.3	5.7	0.0
0°	92.0	51.0	28.3	18.4	11.3	5.7	0.0
-2.5°	91.8	50.9	28.3	18.4	11.3	5.7	0.0
-5°	89.8	50.0	28.0	18.2	11.2	5.7	0.0
-7.5°	88.2	49.2	27.7	18.1	11.1	5.6	0.0
-10°	86.0	48.3	27.4	17.9	11.0	5.6	0.0
-12.5°	83.4	47.1	26.9	17.7	10.9	5.5	0.0
-15°	80.4	45.7	26.4	17.4	10.8	5.4	0.0
-17.5°	76.8	44.1	25.9	17.1	10.6	5.4	0.0
-20°	76.8	44.1	25.9	17.1	10.6	5.4	0.0



REPORT NUMBER: P1305927 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-530N-40-80-5S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	72.9	42.2	25.3	16.8	10.4	5.3	0.0
-25°	68.5	40.2	24.6	16.4	10.2	5.2	0.0
-27.5°	63.7	38.0	23.8	16.0	10.0	5.1	0.0
-30°	58.4	35.6	23.0	15.5	9.8	4.9	0.0
-32.5°	52.8	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°	45.1	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°	37.4	25.1	18.0	12.8	8.4	4.2	0.0
-45°	33.3	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)