

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: P731467 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-5S-CV2**

Issue Date: 11/16/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P731467 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-LS-08-0530N-40-70-5S-CV2  
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

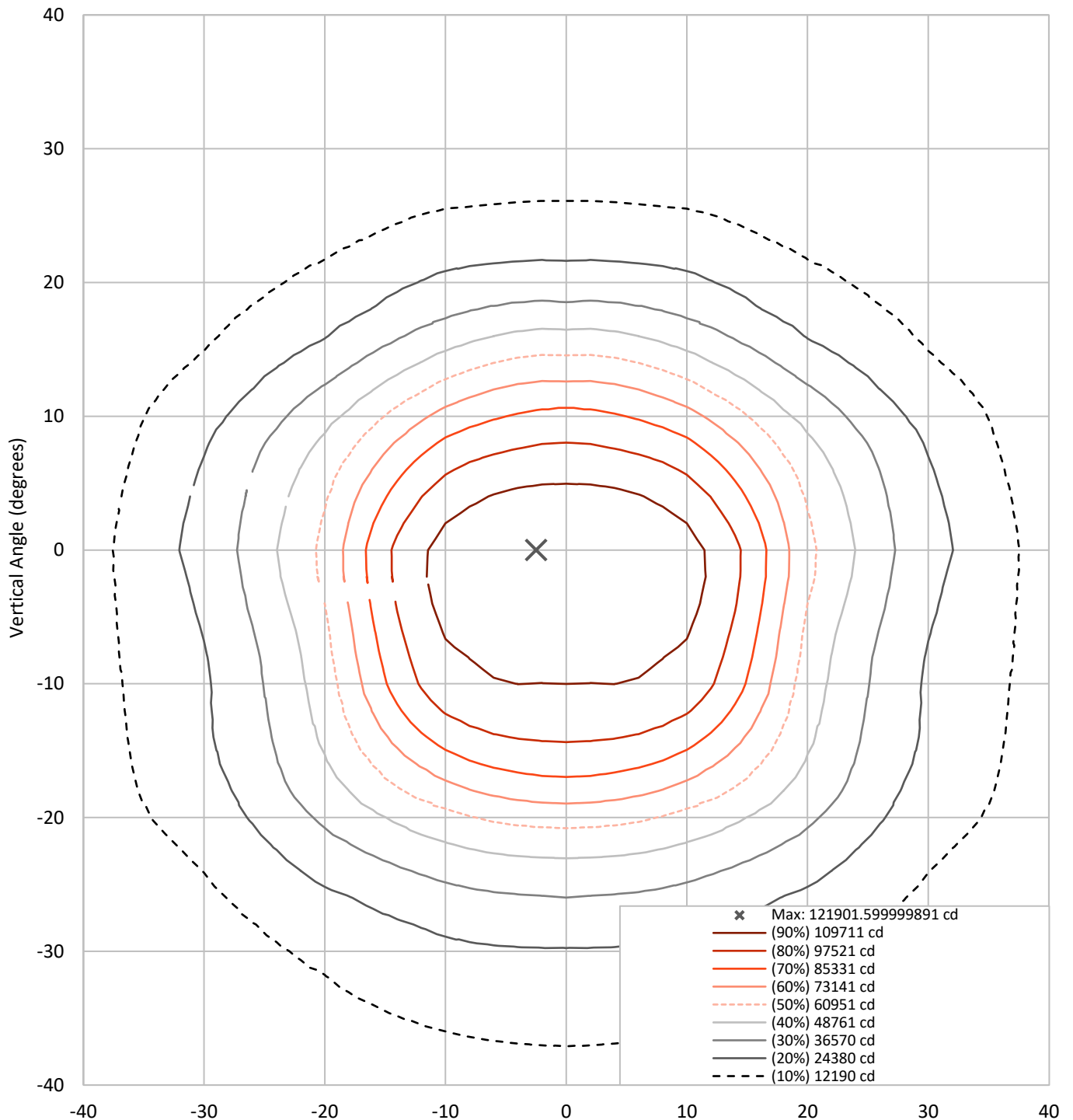
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	60161.8 lumens	Max Intensity:	121901.6 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	107.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.5°H x 35.3°V	Field Angle (10%):	75°H x 63°V
Beam Lumens:	33090.2 lumens	Field Lumens:	55115.1 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

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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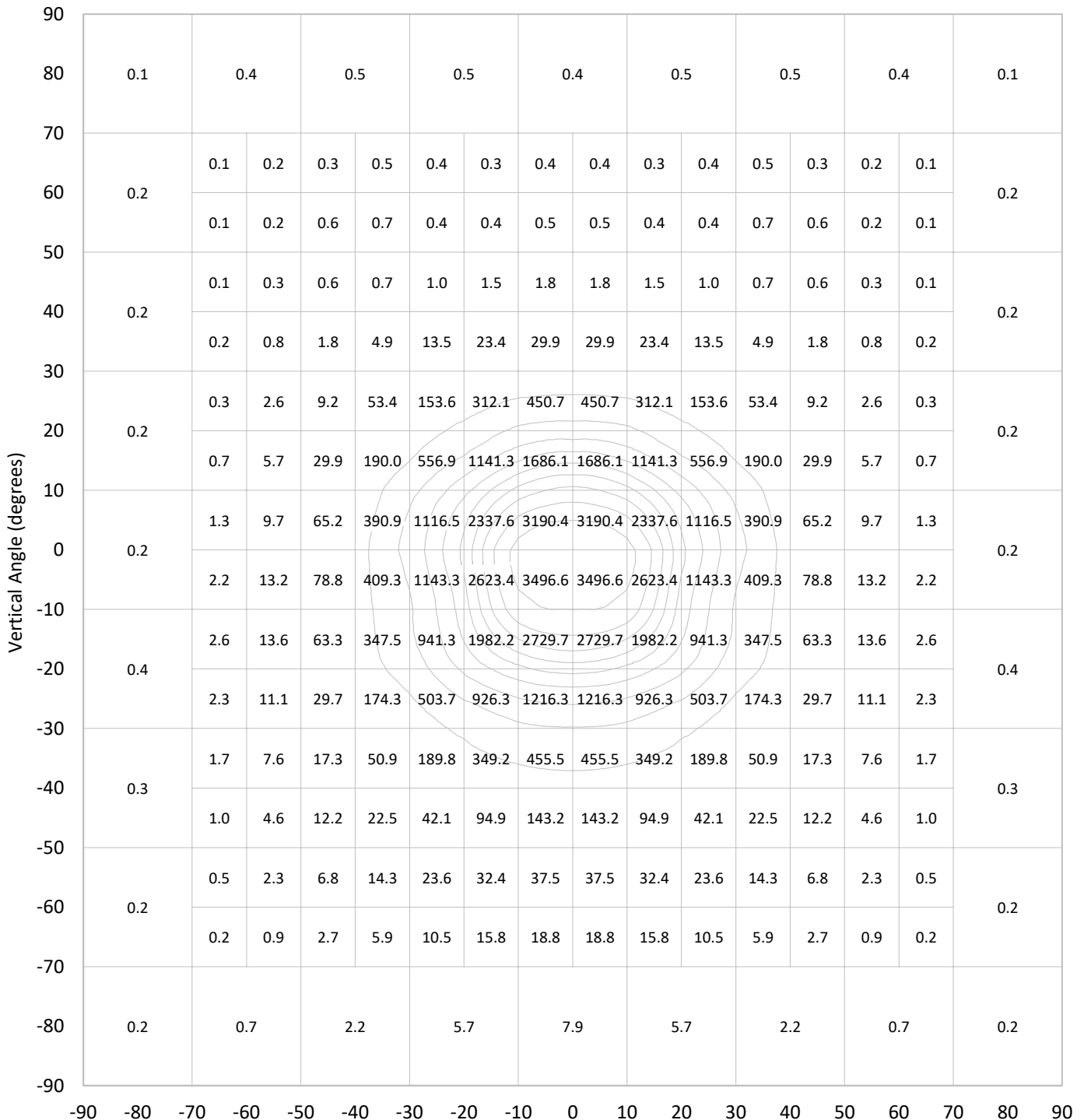
### Iso-Candela Plot





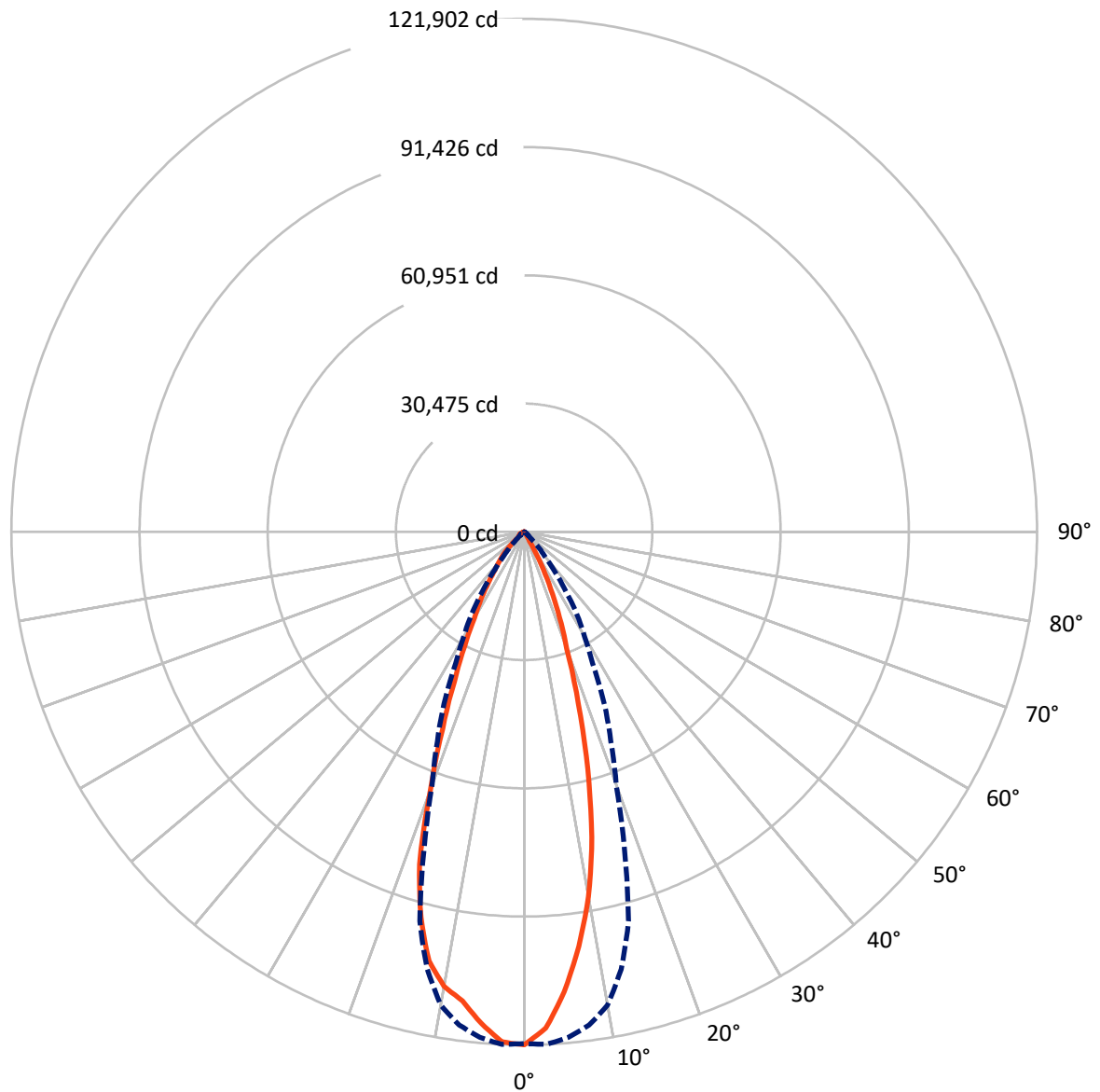
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### Lumen Table



REPORT NUMBER: P731467 (CONVERTED FROM TYPE C PHOTOMETRY)  
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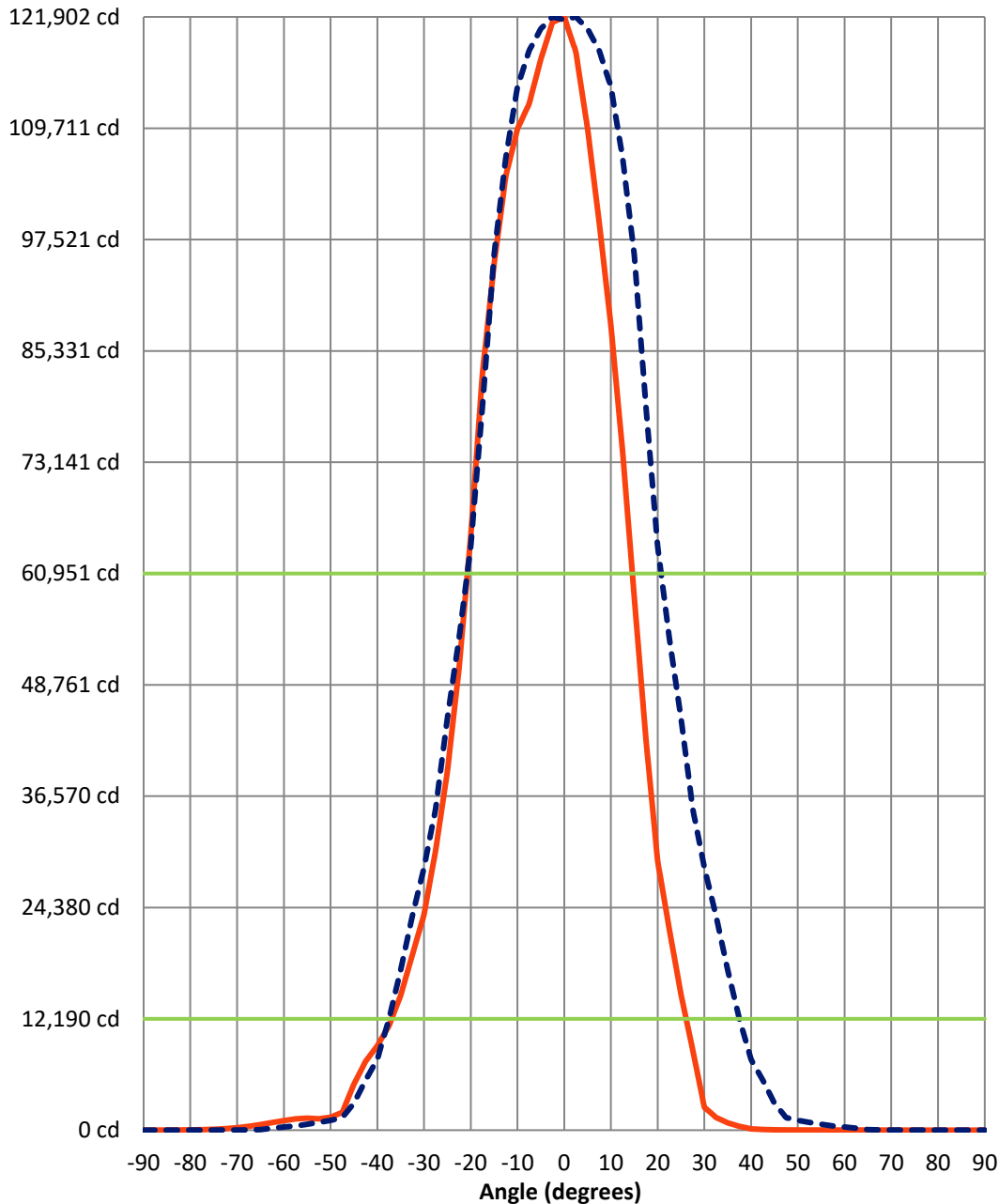
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.5°  
 V Angle: 35.3°  
 Lumens: 33090.2  
 Efficiency: 55.0%

**Field:**  
 H Angle: 75°  
 V Angle: 63°  
 Lumens: 55115.1  
 Efficiency: 91.6%

**Spill:**  
 Lumens: 5046.7  
 Efficiency: 8.4%

— Vertical Distribution through -2.5-Deg  
 - - Horizontal Distribution through 0-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
85°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
82.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
75°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.3	7.2
72.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.5	7.5	7.3
70°	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.7	7.9	7.8	7.8
67.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.6	8.1	8.3	8.2	8.5
65°	7.1	7.1	7.1	7.1	7.1	7.3	8.0	8.6	8.5	8.6	8.9
62.5°	7.1	7.1	7.1	7.1	7.1	7.6	8.4	8.8	8.7	8.9	8.9
60°	7.1	7.1	7.1	7.1	7.1	8.0	8.9	8.9	8.9	8.9	8.9
57.5°	7.1	7.1	7.1	7.1	7.4	8.3	8.9	8.9	8.9	8.9	8.9
55°	7.1	7.1	7.1	7.1	7.6	8.6	8.9	8.9	8.9	8.9	8.9
52.5°	7.1	7.1	7.1	7.1	7.9	8.9	8.9	8.9	8.9	8.9	8.9
50°	7.1	7.1	7.1	7.1	8.1	8.9	8.9	8.9	8.9	8.9	9.4
47.5°	7.1	7.1	7.1	7.1	8.4	8.9	8.9	8.9	8.9	8.9	10.0
45°	7.1	7.1	7.1	7.3	8.6	8.9	8.9	8.9	9.0	9.4	10.6
42.5°	7.1	7.1	7.1	7.5	8.8	8.9	8.9	9.0	9.1	9.9	11.1
40°	7.1	7.1	7.1	7.6	8.9	8.9	8.9	9.1	9.4	10.4	11.6
37.5°	7.1	7.1	7.1	7.7	8.9	8.9	8.9	9.3	9.9	11.0	12.1
35°	7.1	7.1	7.1	7.8	8.9	8.9	8.9	9.5	10.4	11.6	12.6
32.5°	7.1	7.1	7.1	7.9	8.9	8.9	9.0	9.7	10.9	12.3	13.5
30°	7.1	7.1	7.1	7.9	8.9	8.9	9.1	10.1	11.3	13.0	14.5
27.5°	7.1	7.1	7.1	7.9	8.8	8.9	9.3	10.4	11.8	13.7	15.7
25°	7.1	7.1	7.1	7.9	8.8	8.9	9.6	10.8	12.4	14.6	17.0
22.5°	7.1	7.1	7.1	7.9	8.8	8.9	9.8	11.1	13.0	15.7	20.1
20°	7.1	7.1	7.1	7.9	8.8	8.9	10.0	11.5	13.6	16.7	23.1
17.5°	7.1	7.1	7.1	7.8	8.8	8.9	10.2	11.8	14.3	17.8	26.2
15°	7.1	7.1	7.1	7.7	8.8	8.9	10.3	12.0	14.9	18.9	29.3
12.5°	7.1	7.1	7.1	7.6	8.8	8.9	10.4	12.1	15.4	20.0	32.3
10°	7.1	7.1	7.1	7.5	8.8	8.9	10.5	12.2	16.0	21.7	36.3
7.5°	7.1	7.1	7.1	7.4	8.9	8.9	10.6	12.3	16.5	23.4	42.9
5°	7.1	7.1	7.1	7.3	8.9	8.9	10.7	12.4	17.0	25.2	49.6
2.5°	7.1	7.1	7.1	7.2	8.9	8.9	10.7	12.4	17.4	26.8	56.1
0°	7.1	7.1	7.1	7.1	8.9	8.9	10.7	12.4	17.4	26.8	56.1
-2.5°	7.1	7.1	7.1	7.2	8.9	9.3	11.4	14.1	22.6	38.9	80.4
-5°	7.1	7.1	7.1	7.3	8.9	9.7	12.1	15.7	27.1	48.9	97.5
-7.5°	7.1	7.1	7.1	7.4	8.9	10.0	12.7	17.2	31.3	58.2	113.0
-10°	7.1	7.1	7.1	7.5	8.8	10.3	13.3	18.5	34.9	66.3	126.4
-12.5°	7.1	7.1	7.1	7.6	8.8	10.6	13.8	19.7	37.9	73.1	135.8
-15°	7.1	7.1	7.1	7.7	8.8	10.8	14.2	20.7	40.7	79.0	142.2
-17.5°	7.1	7.1	7.1	7.8	8.8	10.9	14.6	22.2	43.6	83.3	146.5
-20°	7.1	7.1	7.1	7.9	8.8	11.0	15.0	23.8	45.5	85.9	148.5



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV2

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.1	7.1	7.1	7.9	8.8	11.0	15.6	24.9	46.2	86.7	148.0
-25°	7.1	7.1	7.1	7.9	8.8	10.9	15.9	25.5	45.7	85.6	145.0
-27.5°	7.1	7.1	7.1	7.9	8.8	10.8	15.9	25.5	43.9	83.4	143.4
-30°	7.1	7.1	7.1	7.9	8.9	10.6	15.6	25.0	42.9	81.3	139.2
-32.5°	7.1	7.1	7.1	7.9	9.0	10.4	15.0	24.6	42.3	77.4	132.2
-35°	7.1	7.1	7.1	7.8	9.1	10.1	14.6	23.9	40.8	71.6	122.4
-37.5°	7.1	7.1	7.1	7.7	9.1	9.8	14.1	22.8	38.4	63.9	108.0
-40°	7.1	7.1	7.1	7.6	9.2	9.9	13.6	21.2	35.1	58.8	94.5
-42.5°	7.1	7.1	7.1	7.5	9.1	9.9	12.9	19.1	32.2	52.8	80.5
-45°	7.1	7.1	7.1	7.4	9.0	10.0	12.1	17.2	29.3	46.1	66.8
-47.5°	7.1	7.1	7.1	7.2	8.8	9.9	11.2	16.1	25.6	38.9	58.7
-50°	7.1	7.1	7.1	7.2	8.6	9.9	11.0	14.9	21.2	33.8	50.1
-52.5°	7.1	7.1	7.1	7.3	8.4	9.8	10.9	13.5	18.5	28.2	41.3
-55°	7.1	7.1	7.1	7.3	8.2	9.6	10.7	12.2	16.6	22.3	34.4
-57.5°	7.1	7.1	7.1	7.3	8.0	9.3	10.6	11.9	14.5	19.0	27.1
-60°	7.1	7.1	7.1	7.4	7.8	9.0	10.3	11.5	12.7	16.5	21.0
-62.5°	7.1	7.1	7.1	7.4	7.8	8.7	9.9	11.1	12.3	13.9	18.0
-65°	7.1	7.1	7.1	7.4	7.8	8.4	9.6	10.7	11.8	12.9	14.8
-67.5°	7.1	7.1	7.1	7.4	7.9	8.3	9.2	10.3	11.3	12.4	13.4
-70°	7.1	7.1	7.1	7.5	7.9	8.3	8.8	9.8	10.8	11.8	12.8
-72.5°	7.1	7.1	7.1	7.4	7.9	8.3	8.8	9.3	10.3	11.2	12.1
-75°	7.1	7.1	7.1	7.4	7.9	8.4	8.8	9.2	9.7	10.6	11.4
-77.5°	7.1	7.1	7.1	7.4	7.8	8.4	8.8	9.1	9.5	10.0	10.8
-80°	7.1	7.1	7.1	7.3	7.7	8.2	8.9	9.0	9.2	9.6	10.1
-82.5°	7.1	7.1	7.1	7.3	7.6	8.0	8.5	8.7	8.9	9.1	9.4
-85°	7.1	7.1	7.1	7.2	7.4	7.7	8.0	8.2	8.3	8.5	8.6
-87.5°	7.1	7.1	7.1	7.2	7.3	7.4	7.6	7.6	7.7	7.8	7.9
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1





REPORT NUMBER: P731467 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV2

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	7.1	7.1	7.1	7.1	6.7	6.2	5.8	5.3	5.3	5.3	5.3
87.5°	6.9	6.7	6.5	6.3	6.1	5.9	5.6	5.3	4.9	4.5	4.0
85°	7.1	7.1	7.1	7.1	6.7	6.2	5.8	5.3	5.1	4.9	4.8
82.5°	7.1	7.1	7.1	7.1	6.7	6.2	5.8	5.3	5.3	5.3	5.3
80°	7.1	7.1	7.1	7.1	6.7	6.3	5.8	5.4	5.3	5.4	5.4
77.5°	7.1	7.1	7.1	7.1	6.8	6.5	6.3	6.3	6.3	6.1	5.8
75°	7.1	7.1	7.2	7.2	7.0	7.0	7.1	7.1	6.8	6.4	5.9
72.5°	7.4	7.6	7.6	7.3	7.1	7.1	7.1	7.1	7.3	7.4	7.3
70°	8.1	8.2	7.8	7.4	7.1	7.3	8.1	9.1	9.9	9.8	9.7
67.5°	8.8	8.3	7.9	7.6	7.8	8.7	9.8	11.3	12.6	12.6	13.0
65°	8.9	8.4	8.2	8.4	8.8	10.4	12.0	13.5	17.3	19.7	20.8
62.5°	8.9	8.6	8.7	9.3	10.7	12.4	14.8	19.0	25.0	28.2	27.3
60°	8.9	8.8	9.5	10.8	12.3	14.0	17.9	23.8	31.6	37.3	33.9
57.5°	8.9	9.4	10.6	12.0	13.2	14.7	20.0	27.4	36.5	46.3	40.2
55°	9.2	10.1	11.4	12.7	14.0	15.3	20.8	29.2	39.5	45.4	39.6
52.5°	9.9	10.9	12.1	13.4	14.8	16.2	20.3	28.4	34.5	39.1	36.2
50°	10.5	11.5	12.7	14.2	15.7	17.3	18.0	24.6	29.5	31.6	31.4
47.5°	11.2	12.2	13.4	15.0	17.0	18.3	18.2	21.5	25.1	27.4	25.5
45°	11.8	12.9	14.1	16.4	18.5	19.7	20.7	19.9	25.7	27.2	26.1
42.5°	12.3	13.6	15.7	17.8	20.5	23.4	25.0	27.0	29.9	32.6	31.9
40°	12.9	14.3	17.8	22.0	23.9	29.3	34.7	37.9	39.0	41.5	41.6
37.5°	13.5	16.5	22.0	30.8	30.9	39.0	46.5	54.0	56.3	52.2	59.1
35°	14.0	19.0	33.3	43.9	45.6	51.7	64.2	75.7	82.6	78.7	85.1
32.5°	15.6	21.7	48.0	59.0	70.1	75.7	84.6	109.4	133.3	140.5	127.8
30°	18.4	35.2	64.7	75.8	101.7	118.9	124.2	157.6	207.5	251.1	337.1
27.5°	21.9	51.6	80.4	103.9	141.3	172.1	185.5	240.1	325.4	440.5	688.0
25°	25.7	68.9	97.0	139.6	193.1	228.8	250.9	327.9	471.0	838.4	1300.9
22.5°	34.7	86.6	117.9	179.4	251.5	282.6	329.0	434.0	674.2	1284.8	2052.2
20°	48.8	103.2	147.8	218.8	314.1	333.8	401.1	535.8	952.3	1877.3	2799.2
17.5°	62.7	122.0	180.5	265.2	362.3	402.1	471.0	628.5	1185.7	2619.6	3769.0
15°	76.1	142.4	211.4	312.2	418.6	497.1	602.7	837.1	1631.6	3498.7	5052.8
12.5°	88.9	163.8	240.2	359.1	483.7	597.9	753.8	1177.5	2427.1	4525.6	6845.3
10°	100.8	185.6	267.0	404.9	555.1	702.3	910.1	1549.7	3230.9	5419.4	8264.5
7.5°	128.3	218.9	297.0	448.6	629.9	807.9	1068.0	1937.1	3956.5	6175.7	9450.5
5°	158.9	263.8	354.3	517.2	708.5	907.4	1212.7	2320.7	4592.7	6798.7	10518.8
2.5°	188.8	307.2	410.2	585.3	783.9	993.8	1302.2	2655.2	5091.8	7325.8	11440.6
0°	216.7	348.2	463.7	648.4	852.7	1073.0	1378.5	2947.2	5471.5	7752.5	12167.1
-2.5°	250.8	392.1	523.0	708.4	875.9	1075.3	1379.7	2839.4	5554.1	8155.7	11894.6
-5°	280.3	432.1	578.0	763.0	896.4	1072.0	1368.6	2674.7	5508.5	8371.8	11674.9
-7.5°	304.0	467.7	627.6	806.4	915.4	1083.1	1395.3	2711.0	5432.6	8371.7	11537.1
-10°	317.8	477.9	628.0	804.1	927.7	1097.1	1413.5	2646.9	5201.1	8198.3	11257.0
-12.5°	305.5	465.3	615.0	793.6	935.5	1099.9	1407.6	2465.7	4810.9	7844.9	10907.3
-15°	291.0	450.2	596.6	774.2	938.3	1090.4	1374.9	2155.1	4171.2	7083.7	10485.6
-17.5°	274.8	432.9	572.5	745.3	936.0	1067.3	1294.9	1663.8	3343.3	6020.3	9518.0
-20°	257.5	413.7	542.6	706.4	923.1	1014.4	1173.4	1476.0	2637.8	4828.2	7996.5



REPORT NUMBER: P731467 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV2

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	239.8	393.0	511.4	667.9	848.5	950.6	1059.8	1277.7	1865.0	3488.2	6029.4
-25°	229.8	366.8	484.3	617.2	772.0	891.1	945.6	1082.8	1376.8	2560.7	4401.9
-27.5°	225.2	341.9	450.8	565.0	702.2	828.7	868.7	957.4	1177.1	1651.9	2973.7
-30°	217.3	308.1	414.0	515.0	641.0	753.8	812.4	868.5	1008.8	1265.5	1997.7
-32.5°	200.1	273.7	374.4	472.0	580.8	690.1	778.2	832.1	920.4	1054.4	1297.3
-35°	178.9	248.3	334.1	425.5	521.3	631.0	730.4	809.3	852.1	944.4	1107.0
-37.5°	159.5	220.8	293.6	378.6	467.8	569.5	678.7	764.9	827.7	871.8	988.4
-40°	139.0	191.2	259.1	334.5	414.9	507.8	608.3	708.4	787.9	854.0	905.8
-42.5°	118.2	167.4	224.7	291.2	367.3	448.7	535.0	633.2	731.9	817.9	883.2
-45°	101.9	142.7	189.9	253.5	320.5	391.6	469.9	551.2	657.1	754.6	835.8
-47.5°	85.1	118.9	162.2	215.0	276.6	339.9	405.8	487.2	575.2	671.4	764.2
-50°	69.6	99.9	134.6	182.2	234.9	290.8	349.4	423.8	504.9	586.9	671.9
-52.5°	59.5	80.3	112.4	149.8	196.3	246.2	300.3	363.8	435.7	510.6	585.9
-55°	48.7	66.9	90.7	122.2	158.6	203.4	254.2	309.4	365.9	434.2	501.7
-57.5°	39.4	54.7	73.5	96.9	127.1	160.6	207.8	256.9	308.7	361.6	417.8
-60°	30.5	43.3	59.3	77.4	98.1	127.8	161.5	203.9	249.9	296.3	343.7
-62.5°	22.4	32.7	45.7	60.8	77.9	96.5	123.7	155.7	190.2	228.8	268.5
-65°	18.8	23.3	32.6	45.2	59.0	75.2	92.9	111.9	139.9	167.5	194.9
-67.5°	15.0	18.9	23.3	29.5	41.2	54.0	67.6	83.6	100.5	116.0	134.0
-70°	13.7	14.7	17.8	21.9	26.5	33.5	44.9	56.9	68.9	80.6	93.7
-72.5°	12.8	13.5	14.5	15.7	19.1	23.2	27.9	33.0	40.8	50.0	59.2
-75°	12.0	12.4	13.0	13.8	14.8	16.0	17.6	21.4	25.4	29.4	33.2
-77.5°	11.2	11.5	11.8	12.1	12.5	13.3	14.2	15.2	16.5	18.1	19.8
-80°	10.4	10.7	10.9	11.2	11.2	11.3	11.5	11.8	12.2	12.8	13.7
-82.5°	9.6	9.8	10.0	10.2	10.0	9.7	9.5	9.4	9.6	9.9	10.2
-85°	8.8	8.9	9.0	9.2	8.9	8.5	8.2	7.9	8.0	8.1	8.2
-87.5°	7.9	8.0	8.1	8.1	7.8	7.4	7.0	6.6	6.6	6.7	6.7
-90°	6.7	6.2	5.8	5.3	5.3	5.3	5.3	5.3	4.9	4.5	4.0



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.3	5.3	5.3	5.3	5.3	5.8	6.2	6.6	7.1	8.0	8.9
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.2	2.7
85°	4.7	4.5	4.2	3.9	3.6	3.6	3.6	3.6	3.6	3.2	2.7
82.5°	5.3	4.9	4.5	4.1	3.6	3.6	3.6	3.6	3.6	3.2	2.7
80°	5.3	5.1	4.9	4.7	4.7	4.5	4.3	4.0	3.6	3.2	2.7
77.5°	5.4	5.3	5.3	5.3	5.3	5.0	4.5	4.1	3.7	3.2	2.7
75°	5.5	5.4	5.5	5.5	5.4	5.2	5.0	5.0	5.0	4.7	4.3
72.5°	7.0	6.7	6.5	6.4	6.1	6.0	5.9	5.7	5.4	5.2	5.2
70°	9.5	9.4	9.1	8.9	8.5	8.1	7.9	7.4	6.9	6.7	6.9
67.5°	14.0	14.3	14.1	13.5	12.1	10.9	10.2	9.5	8.7	8.7	9.3
65°	20.5	17.9	16.3	14.9	13.6	12.6	12.0	11.3	10.6	10.8	12.3
62.5°	24.4	19.1	16.3	15.2	14.6	14.0	13.0	12.3	12.0	12.3	13.6
60°	28.3	20.5	15.3	14.3	13.4	12.5	12.4	12.4	12.4	12.6	13.2
57.5°	30.3	21.0	14.1	13.6	13.1	12.6	12.6	12.7	12.6	12.4	13.0
55°	29.7	21.1	14.6	13.8	13.7	13.9	13.9	13.2	12.7	12.4	12.9
52.5°	27.0	20.4	15.6	14.3	14.3	13.6	12.5	13.1	13.9	14.5	15.2
50°	24.1	19.2	16.7	15.6	15.6	15.7	15.7	16.6	17.5	18.0	18.7
47.5°	22.1	19.2	19.1	18.7	19.2	20.2	20.7	21.7	24.3	25.7	26.3
45°	22.3	23.6	24.6	25.4	25.4	30.4	34.0	36.0	38.3	40.5	42.3
42.5°	30.1	33.5	36.6	41.2	44.0	52.4	56.8	51.3	62.7	72.5	74.8
40°	46.1	51.1	62.0	74.1	88.7	95.0	124.7	126.0	138.9	170.9	181.3
37.5°	70.1	84.3	122.3	154.5	205.5	235.9	273.5	309.6	338.6	368.3	388.6
35°	109.2	181.9	239.2	339.5	408.1	442.7	487.4	540.7	563.3	657.0	728.6
32.5°	233.5	363.9	519.3	599.4	689.4	758.2	748.6	970.4	1056.0	1196.7	1311.2
30°	431.4	743.0	1160.3	1160.3	1144.1	1523.5	1662.4	1949.0	2242.8	2438.5	2906.5
27.5°	997.4	1658.5	2319.4	2332.8	2619.1	3411.4	3862.6	3998.2	5273.0	6091.6	7208.2
25°	1837.8	2926.0	3837.7	4262.0	5112.5	6403.3	7167.4	8078.6	9981.2	12149.1	13517.8
22.5°	2737.1	3896.8	5266.8	6233.0	7863.0	9523.5	10913.1	12923.7	15480.8	17900.0	19536.7
20°	3414.1	4776.5	6711.6	8741.1	10805.9	12887.5	15046.2	17808.9	21270.4	24216.2	26878.7
17.5°	4794.3	6234.9	8853.8	11614.2	14416.7	16640.7	20049.6	23363.0	27580.3	31854.9	35165.8
15°	6836.8	9158.8	11779.0	15359.7	19301.4	22704.6	26319.1	32133.8	37264.3	42758.3	47667.0
12.5°	9457.8	12535.2	16007.5	20125.4	25291.6	30632.3	36144.9	42282.4	48992.9	55592.1	62597.4
10°	11905.0	16134.4	20617.5	25684.4	31596.4	38340.9	45076.5	52030.6	61355.4	69806.7	77297.7
7.5°	13594.6	18575.9	24078.2	30271.4	37568.6	44742.1	52350.5	61805.9	72699.6	82282.8	89959.8
5°	15111.9	20756.5	26250.5	32511.3	40995.3	49194.6	58184.4	69693.1	82093.9	92603.1	100254.0
2.5°	16432.8	22507.1	27842.6	34149.9	43464.7	51995.6	61812.3	75528.0	89974.6	100501.1	108573.8
0°	17519.6	23447.7	28743.3	35239.9	45088.7	53875.1	63945.9	79198.8	95828.3	106462.3	114221.9
-2.5°	16467.5	21845.3	27072.5	33652.7	43577.7	52576.1	63461.0	78975.8	95295.8	106765.1	114777.2
-5°	15672.9	20583.8	25546.1	32057.2	40786.6	49130.5	59344.5	75300.4	92477.8	104066.6	112173.7
-7.5°	15057.0	19342.9	23854.6	29850.1	37835.6	46683.9	57635.3	73030.1	89261.6	100982.4	108328.1
-10°	14385.6	18067.5	22984.6	29027.5	36793.0	45228.4	54957.4	69198.3	85598.5	96875.6	105479.2
-12.5°	14181.1	18068.8	23021.6	28268.5	35411.4	43512.1	52787.8	64917.9	77488.5	89313.8	96858.8
-15°	13851.3	17796.6	22643.6	27578.6	34054.3	41856.1	49599.2	58563.6	69070.3	77614.9	85496.7
-17.5°	13204.6	16995.8	20638.5	25249.8	31552.4	38785.2	44652.3	51702.2	59282.6	65798.2	71743.3
-20°	11656.6	14234.9	17687.4	22035.9	27437.0	33293.7	38635.6	43722.0	48593.5	53557.3	56995.9



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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°	8919.5	11395.3	14290.0	17902.1	22183.9	27287.9	32008.6	35453.6	39328.6	42902.8	45841.5
-25°	6522.7	8336.7	11038.5	14120.7	16914.9	21002.9	24625.8	26952.4	30353.7	33025.6	35569.4
-27.5°	4717.0	6493.5	8696.7	11132.1	13227.2	15423.3	18621.4	20843.1	23518.3	25567.1	27688.8
-30°	3219.6	5175.9	7206.3	9198.5	10792.3	12451.5	14223.7	16415.2	18562.8	20284.1	21816.9
-32.5°	2233.1	3650.7	5635.0	7491.0	8931.5	10196.6	11361.1	13025.9	14633.0	16034.1	17182.9
-35°	1368.1	2373.5	3747.7	5515.2	7038.0	8253.7	9327.6	10388.0	11416.2	12470.4	13358.5
-37.5°	1157.4	1397.4	2253.8	3470.8	4921.4	6274.4	7326.4	8201.9	8978.0	9780.3	10411.9
-40°	1022.8	1166.4	1381.3	1826.6	2942.3	4067.0	5201.3	6143.7	6997.1	7708.6	8261.6
-42.5°	934.1	1030.1	1134.7	1309.4	1516.2	2067.5	3043.1	3994.1	4919.9	5696.3	6347.0
-45°	906.5	954.7	1011.3	1104.7	1190.4	1358.1	1539.2	1726.9	2462.9	3243.9	3932.1
-47.5°	843.9	921.1	972.4	1012.5	1060.3	1136.1	1205.7	1294.2	1463.4	1631.1	1768.1
-50°	760.7	845.1	916.0	984.8	1033.4	1066.5	1091.9	1137.8	1205.2	1270.7	1323.6
-52.5°	660.1	741.9	824.4	908.0	977.0	1040.8	1100.8	1142.4	1173.8	1200.6	1214.4
-55°	568.4	636.9	705.9	790.0	873.3	953.4	1030.3	1095.9	1157.0	1214.1	1246.4
-57.5°	479.0	537.9	599.4	674.6	748.7	821.4	896.0	971.6	1045.6	1114.6	1154.7
-60°	393.7	446.1	501.7	562.3	626.7	693.9	758.1	822.2	885.8	942.1	975.2
-62.5°	310.2	354.3	399.6	447.5	498.1	551.1	604.4	658.3	712.1	757.3	785.2
-65°	225.4	261.3	295.9	330.9	366.5	406.6	448.8	489.9	529.5	560.6	580.9
-67.5°	157.6	180.8	202.0	222.6	247.8	276.4	306.7	336.2	364.6	386.0	400.4
-70°	107.0	119.9	131.5	145.0	161.5	178.5	196.3	213.5	229.7	242.2	251.8
-72.5°	68.3	76.9	85.1	94.4	103.3	113.1	123.4	133.1	142.2	148.6	153.6
-75°	36.9	41.5	48.3	54.6	60.5	67.6	74.9	81.8	88.2	91.6	93.8
-77.5°	22.6	25.7	28.6	31.4	34.0	37.9	42.1	46.4	50.7	52.6	54.1
-80°	14.8	16.2	17.7	19.2	20.8	23.0	25.4	27.8	30.1	30.9	31.3
-82.5°	10.5	11.0	11.5	12.1	12.7	14.1	15.6	17.2	18.7	19.8	20.9
-85°	8.2	8.3	8.4	8.5	8.6	9.3	10.2	11.1	12.0	12.6	13.1
-87.5°	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.1	7.1	7.6	8.0
-90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.2	2.7



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	9.8	10.7	9.8	8.9	9.8	10.7	9.8	8.9	8.0	7.1	6.6
87.5°	2.3	1.8	0.9	0.0	0.9	1.8	2.3	2.7	3.2	3.6	3.6
85°	2.3	1.8	1.8	1.8	1.8	1.8	2.3	2.7	3.2	3.6	3.6
82.5°	2.3	1.8	1.8	1.8	1.8	1.8	2.3	2.7	3.2	3.6	3.6
80°	2.3	1.8	1.8	1.8	1.8	1.8	2.3	2.7	3.2	3.6	4.0
77.5°	2.3	1.8	2.7	3.6	2.7	1.8	2.3	2.7	3.2	3.7	4.1
75°	4.0	3.6	3.6	3.6	3.6	3.6	4.0	4.3	4.7	5.0	5.0
72.5°	5.2	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.4	5.7
70°	7.0	7.0	7.1	7.1	7.1	7.0	7.0	6.9	6.7	6.9	7.4
67.5°	9.9	10.5	10.7	10.7	10.7	10.5	9.9	9.3	8.7	8.7	9.5
65°	13.9	15.5	15.1	14.2	15.1	15.5	13.9	12.3	10.8	10.6	11.3
62.5°	14.7	15.8	16.0	16.0	16.0	15.8	14.7	13.6	12.3	12.0	12.3
60°	13.7	14.1	14.2	14.2	14.2	14.1	13.7	13.2	12.6	12.4	12.4
57.5°	13.5	14.0	14.2	14.2	14.2	14.0	13.5	13.0	12.4	12.6	12.7
55°	13.5	14.0	14.2	14.2	14.2	14.0	13.5	12.9	12.4	12.7	13.2
52.5°	15.6	15.9	16.0	16.0	16.0	15.9	15.6	15.2	14.5	13.9	13.1
50°	19.7	20.7	20.0	17.8	20.0	20.7	19.7	18.7	18.0	17.5	16.6
47.5°	26.3	25.4	24.8	24.9	24.8	25.4	26.3	26.3	25.7	24.3	21.7
45°	42.9	42.5	42.2	42.6	42.2	42.5	42.9	42.3	40.5	38.3	36.0
42.5°	77.4	77.6	76.4	74.6	76.4	77.6	77.4	74.8	72.5	62.7	51.3
40°	180.8	165.7	145.2	133.2	145.2	165.7	180.8	181.3	170.9	138.9	126.0
37.5°	407.2	419.1	420.2	412.1	420.2	419.1	407.2	388.6	368.3	338.6	309.6
35°	773.8	801.5	803.1	788.8	803.1	801.5	773.8	728.6	657.0	563.3	540.7
32.5°	1309.4	1371.7	1395.1	1389.2	1395.1	1371.7	1309.4	1311.2	1196.7	1056.0	970.4
30°	2688.8	2707.5	2516.1	2165.5	2516.1	2707.5	2688.8	2906.5	2438.5	2242.8	1949.0
27.5°	7814.0	8535.2	8796.8	8681.6	8796.8	8535.2	7814.0	7208.2	6091.6	5273.0	3998.2
25°	13910.8	14386.0	14860.3	14915.3	14860.3	14386.0	13910.8	13517.8	12149.1	9981.2	8078.6
22.5°	20670.3	21345.6	21986.6	21840.0	21986.6	21345.6	20670.3	19536.7	17900.0	15480.8	12923.7
20°	28569.7	29035.4	29508.4	28984.9	29508.4	29035.4	28569.7	26878.7	24216.2	21270.4	17808.9
17.5°	38633.8	40826.7	42773.3	41892.8	42773.3	40826.7	38633.8	35165.8	31854.9	27580.3	23363.0
15°	52288.9	56105.6	58344.1	58225.7	58344.1	56105.6	52288.9	47667.0	42758.3	37264.3	32133.8
12.5°	68024.5	72013.0	74297.5	73824.9	74297.5	72013.0	68024.5	62597.4	55592.1	48992.9	42282.4
10°	82221.5	85353.5	88067.8	89131.0	88067.8	85353.5	82221.5	77297.7	69806.7	61355.4	52030.6
7.5°	94761.0	97094.5	99358.6	99763.2	99358.6	97094.5	94761.0	89959.8	82282.8	72699.6	61805.9
5°	105083.5	108389.6	109669.4	110176.9	109669.4	108389.6	105083.5	100254.0	92603.1	82093.9	69693.1
2.5°	113414.5	116438.7	118039.6	117567.0	118039.6	116438.7	113414.5	108573.8	100501.1	89974.6	75528.0
0°	118200.3	120594.1	121901.6	121589.0	121901.6	120594.1	118200.3	114221.9	106462.3	95828.3	79198.8
-2.5°	118672.0	120281.7	121304.4	120903.3	121304.4	120281.7	118672.0	114777.2	106765.1	95295.8	78975.8
-5°	115408.3	116718.2	117255.6	117485.3	117255.6	116718.2	115408.3	112173.7	104066.6	92477.8	75300.4
-7.5°	110911.5	112671.1	112403.5	112866.4	112403.5	112671.1	110911.5	108328.1	100982.4	89261.6	73030.1
-10°	108233.2	109857.2	109622.0	109747.0	109622.0	109857.2	108233.2	105479.2	96875.6	85598.5	69198.3
-12.5°	101734.8	104092.6	104454.5	104860.8	104454.5	104092.6	101734.8	96858.8	89313.8	77488.5	64917.9
-15°	90670.1	93260.8	94827.3	95179.9	94827.3	93260.8	90670.1	85496.7	77614.9	69070.3	58563.6
-17.5°	76686.0	80269.0	82787.9	83373.5	82787.9	80269.0	76686.0	71743.3	65798.2	59282.6	51702.2
-20°	61195.2	63760.0	65065.2	65768.6	65065.2	63760.0	61195.2	56995.9	53557.3	48593.5	43722.0



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV2

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	48166.2	49859.9	50587.2	50705.9	50587.2	49859.9	48166.2	45841.5	42902.8	39328.6	35453.6
-25°	37629.3	38783.8	39278.7	40009.7	39278.7	38783.8	37629.3	35569.4	33025.6	30353.7	26952.4
-27.5°	29201.7	30216.8	30669.4	31342.3	30669.4	30216.8	29201.7	27688.8	25567.1	23518.3	20843.1
-30°	22850.8	23462.4	23615.0	23648.4	23615.0	23462.4	22850.8	21816.9	20284.1	18562.8	16415.2
-32.5°	18075.0	18763.8	19175.0	19358.2	19175.0	18763.8	18075.0	17182.9	16034.1	14633.0	13025.9
-35°	14023.6	14477.6	14747.9	15052.1	14747.9	14477.6	14023.6	13358.5	12470.4	11416.2	10388.0
-37.5°	10903.0	11239.6	11425.8	11488.5	11425.8	11239.6	10903.0	10411.9	9780.3	8978.0	8201.9
-40°	8702.7	9036.9	9237.6	9267.9	9237.6	9036.9	8702.7	8261.6	7708.6	6997.1	6143.7
-42.5°	6841.5	7257.9	7527.3	7589.1	7527.3	7257.9	6841.5	6347.0	5696.3	4919.9	3994.1
-45°	4435.3	4823.0	5028.2	5015.0	5028.2	4823.0	4435.3	3932.1	3243.9	2462.9	1726.9
-47.5°	1855.7	1918.1	1945.0	1936.4	1945.0	1918.1	1855.7	1768.1	1631.1	1463.4	1294.2
-50°	1365.4	1400.9	1420.3	1424.7	1420.3	1400.9	1365.4	1323.6	1270.7	1205.2	1137.8
-52.5°	1226.1	1239.2	1243.7	1243.5	1243.7	1239.2	1226.1	1214.4	1200.6	1173.8	1142.4
-55°	1276.5	1305.0	1316.3	1316.4	1316.3	1305.0	1276.5	1246.4	1214.1	1157.0	1095.9
-57.5°	1191.0	1223.2	1238.0	1241.8	1238.0	1223.2	1191.0	1154.7	1114.6	1045.6	971.6
-60°	1004.9	1030.7	1042.0	1044.6	1042.0	1030.7	1004.9	975.2	942.1	885.8	822.2
-62.5°	809.1	828.6	834.7	833.2	834.7	828.6	809.1	785.2	757.3	712.1	658.3
-65°	597.9	611.4	612.5	607.6	612.5	611.4	597.9	580.9	560.6	529.5	489.9
-67.5°	411.9	420.5	420.9	417.5	420.9	420.5	411.9	400.4	386.0	364.6	336.2
-70°	259.8	266.3	266.7	264.7	266.7	266.3	259.8	251.8	242.2	229.7	213.5
-72.5°	157.9	161.5	164.6	167.0	164.6	161.5	157.9	153.6	148.6	142.2	133.1
-75°	95.5	96.7	96.6	95.9	96.6	96.7	95.5	93.8	91.6	88.2	81.8
-77.5°	55.3	56.3	58.4	60.4	58.4	56.3	55.3	54.1	52.6	50.7	46.4
-80°	31.7	31.9	32.8	33.8	32.8	31.9	31.7	31.3	30.9	30.1	27.8
-82.5°	22.0	23.0	23.1	23.1	23.1	23.0	22.0	20.9	19.8	18.7	17.2
-85°	13.7	14.2	15.1	16.0	15.1	14.2	13.7	13.1	12.6	12.0	11.1
-87.5°	8.5	8.9	8.9	8.9	8.9	8.9	8.5	8.0	7.6	7.1	7.1
-90°	2.3	1.8	0.9	0.0	0.9	1.8	2.3	2.7	3.2	3.6	3.6



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV2

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	6.2	5.8	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.0	4.5	4.9	5.3
85°	3.6	3.6	3.6	3.9	4.2	4.5	4.7	4.8	4.9	5.1	5.3
82.5°	3.6	3.6	3.6	4.1	4.5	4.9	5.3	5.3	5.3	5.3	5.3
80°	4.3	4.5	4.7	4.7	4.9	5.1	5.3	5.4	5.4	5.3	5.4
77.5°	4.5	5.0	5.3	5.3	5.3	5.3	5.4	5.8	6.1	6.3	6.3
75°	5.0	5.2	5.4	5.5	5.5	5.4	5.5	5.9	6.4	6.8	7.1
72.5°	5.9	6.0	6.1	6.4	6.5	6.7	7.0	7.3	7.4	7.3	7.1
70°	7.9	8.1	8.5	8.9	9.1	9.4	9.5	9.7	9.8	9.9	9.1
67.5°	10.2	10.9	12.1	13.5	14.1	14.3	14.0	13.0	12.6	12.6	11.3
65°	12.0	12.6	13.6	14.9	16.3	17.9	20.5	20.8	19.7	17.3	13.5
62.5°	13.0	14.0	14.6	15.2	16.3	19.1	24.4	27.3	28.2	25.0	19.0
60°	12.4	12.5	13.4	14.3	15.3	20.5	28.3	33.9	37.3	31.6	23.8
57.5°	12.6	12.6	13.1	13.6	14.1	21.0	30.3	40.2	46.3	36.5	27.4
55°	13.9	13.9	13.7	13.8	14.6	21.1	29.7	39.6	45.4	39.5	29.2
52.5°	12.5	13.6	14.3	14.3	15.6	20.4	27.0	36.2	39.1	34.5	28.4
50°	15.7	15.7	15.6	15.6	16.7	19.2	24.1	31.4	31.6	29.5	24.6
47.5°	20.7	20.2	19.2	18.7	19.1	19.2	22.1	25.5	27.4	25.1	21.5
45°	34.0	30.4	25.4	25.4	24.6	23.6	22.3	26.1	27.2	25.7	19.9
42.5°	56.8	52.4	44.0	41.2	36.6	33.5	30.1	31.9	32.6	29.9	27.0
40°	124.7	95.0	88.7	74.1	62.0	51.1	46.1	41.6	41.5	39.0	37.9
37.5°	273.5	235.9	205.5	154.5	122.3	84.3	70.1	59.1	52.2	56.3	54.0
35°	487.4	442.7	408.1	339.5	239.2	181.9	109.2	85.1	78.7	82.6	75.7
32.5°	748.6	758.2	689.4	599.4	519.3	363.9	233.5	127.8	140.5	133.3	109.4
30°	1662.4	1523.5	1144.1	1160.3	1160.3	743.0	431.4	337.1	251.1	207.5	157.6
27.5°	3862.6	3411.4	2619.1	2332.8	2319.4	1658.5	997.4	688.0	440.5	325.4	240.1
25°	7167.4	6403.3	5112.5	4262.0	3837.7	2926.0	1837.8	1300.9	838.4	471.0	327.9
22.5°	10913.1	9523.5	7863.0	6233.0	5266.8	3896.8	2737.1	2052.2	1284.8	674.2	434.0
20°	15046.2	12887.5	10805.9	8741.1	6711.6	4776.5	3414.1	2799.2	1877.3	952.3	535.8
17.5°	20049.6	16640.7	14416.7	11614.2	8853.8	6234.9	4794.3	3769.0	2619.6	1185.7	628.5
15°	26319.1	22704.6	19301.4	15359.7	11779.0	9158.8	6836.8	5052.8	3498.7	1631.6	837.1
12.5°	36144.9	30632.3	25291.6	20125.4	16007.5	12535.2	9457.8	6845.3	4525.6	2427.1	1177.5
10°	45076.5	38340.9	31596.4	25684.4	20617.5	16134.4	11905.0	8264.5	5419.4	3230.9	1549.7
7.5°	52350.5	44742.1	37568.6	30271.4	24078.2	18575.9	13594.6	9450.5	6175.7	3956.5	1937.1
5°	58184.4	49194.6	40995.3	32511.3	26250.5	20756.5	15111.9	10518.8	6798.7	4592.7	2320.7
2.5°	61812.3	51995.6	43464.7	34149.9	27842.6	22507.1	16432.8	11440.6	7325.8	5091.8	2655.2
0°	63945.9	53875.1	45088.7	35239.9	28743.3	23447.7	17519.6	12167.1	7752.5	5471.5	2947.2
-2.5°	63461.0	52576.1	43577.7	33652.7	27072.5	21845.3	16467.5	11894.6	8155.7	5554.1	2839.4
-5°	59344.5	49130.5	40786.6	32057.2	25546.1	20583.8	15672.9	11674.9	8371.8	5508.5	2674.7
-7.5°	57635.3	46683.9	37835.6	29850.1	23854.6	19342.9	15057.0	11537.1	8371.7	5432.6	2711.0
-10°	54957.4	45228.4	36793.0	29027.5	22984.6	18067.5	14385.6	11257.0	8198.3	5201.1	2646.9
-12.5°	52787.8	43512.1	35411.4	28268.5	23021.6	18068.8	14181.1	10907.3	7844.9	4810.9	2465.7
-15°	49599.2	41856.1	34054.3	27578.6	22643.6	17796.6	13851.3	10485.6	7083.7	4171.2	2155.1
-17.5°	44652.3	38785.2	31552.4	25249.8	20638.5	16995.8	13204.6	9518.0	6020.3	3343.3	1663.8
-20°	38635.6	33293.7	27437.0	22035.9	17687.4	14234.9	11656.6	7996.5	4828.2	2637.8	1476.0



REPORT NUMBER: P731467 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV2

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	32008.6	27287.9	22183.9	17902.1	14290.0	11395.3	8919.5	6029.4	3488.2	1865.0	1277.7
-25°	24625.8	21002.9	16914.9	14120.7	11038.5	8336.7	6522.7	4401.9	2560.7	1376.8	1082.8
-27.5°	18621.4	15423.3	13227.2	11132.1	8696.7	6493.5	4717.0	2973.7	1651.9	1177.1	957.4
-30°	14223.7	12451.5	10792.3	9198.5	7206.3	5175.9	3219.6	1997.7	1265.5	1008.8	868.5
-32.5°	11361.1	10196.6	8931.5	7491.0	5635.0	3650.7	2233.1	1297.3	1054.4	920.4	832.1
-35°	9327.6	8253.7	7038.0	5515.2	3747.7	2373.5	1368.1	1107.0	944.4	852.1	809.3
-37.5°	7326.4	6274.4	4921.4	3470.8	2253.8	1397.4	1157.4	988.4	871.8	827.7	764.9
-40°	5201.3	4067.0	2942.3	1826.6	1381.3	1166.4	1022.8	905.8	854.0	787.9	708.4
-42.5°	3043.1	2067.5	1516.2	1309.4	1134.7	1030.1	934.1	883.2	817.9	731.9	633.2
-45°	1539.2	1358.1	1190.4	1104.7	1011.3	954.7	906.5	835.8	754.6	657.1	551.2
-47.5°	1205.7	1136.1	1060.3	1012.5	972.4	921.1	843.9	764.2	671.4	575.2	487.2
-50°	1091.9	1066.5	1033.4	984.8	916.0	845.1	760.7	671.9	586.9	504.9	423.8
-52.5°	1100.8	1040.8	977.0	908.0	824.4	741.9	660.1	585.9	510.6	435.7	363.8
-55°	1030.3	953.4	873.3	790.0	705.9	636.9	568.4	501.7	434.2	365.9	309.4
-57.5°	896.0	821.4	748.7	674.6	599.4	537.9	479.0	417.8	361.6	308.7	256.9
-60°	758.1	693.9	626.7	562.3	501.7	446.1	393.7	343.7	296.3	249.9	203.9
-62.5°	604.4	551.1	498.1	447.5	399.6	354.3	310.2	268.5	228.8	190.2	155.7
-65°	448.8	406.6	366.5	330.9	295.9	261.3	225.4	194.9	167.5	139.9	111.9
-67.5°	306.7	276.4	247.8	222.6	202.0	180.8	157.6	134.0	116.0	100.5	83.6
-70°	196.3	178.5	161.5	145.0	131.5	119.9	107.0	93.7	80.6	68.9	56.9
-72.5°	123.4	113.1	103.3	94.4	85.1	76.9	68.3	59.2	50.0	40.8	33.0
-75°	74.9	67.6	60.5	54.6	48.3	41.5	36.9	33.2	29.4	25.4	21.4
-77.5°	42.1	37.9	34.0	31.4	28.6	25.7	22.6	19.8	18.1	16.5	15.2
-80°	25.4	23.0	20.8	19.2	17.7	16.2	14.8	13.7	12.8	12.2	11.8
-82.5°	15.6	14.1	12.7	12.1	11.5	11.0	10.5	10.2	9.9	9.6	9.4
-85°	10.2	9.3	8.6	8.5	8.4	8.3	8.2	8.2	8.1	8.0	7.9
-87.5°	7.0	7.0	6.9	6.9	6.9	6.8	6.8	6.7	6.7	6.6	6.6
-90°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.0	4.5	4.9	5.3





REPORT NUMBER: P731467 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV2

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	5.8	6.2	6.7	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	5.6	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.1	7.1	7.1
85°	5.8	6.2	6.7	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
82.5°	5.8	6.2	6.7	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	5.8	6.3	6.7	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
77.5°	6.3	6.5	6.8	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
75°	7.1	7.0	7.0	7.2	7.2	7.1	7.1	7.2	7.3	7.1	7.1
72.5°	7.1	7.1	7.1	7.3	7.6	7.6	7.4	7.3	7.5	7.5	7.2
70°	8.1	7.3	7.1	7.4	7.8	8.2	8.1	7.8	7.8	7.9	7.7
67.5°	9.8	8.7	7.8	7.6	7.9	8.3	8.8	8.5	8.2	8.3	8.1
65°	12.0	10.4	8.8	8.4	8.2	8.4	8.9	8.9	8.6	8.5	8.6
62.5°	14.8	12.4	10.7	9.3	8.7	8.6	8.9	8.9	8.9	8.7	8.8
60°	17.9	14.0	12.3	10.8	9.5	8.8	8.9	8.9	8.9	8.9	8.9
57.5°	20.0	14.7	13.2	12.0	10.6	9.4	8.9	8.9	8.9	8.9	8.9
55°	20.8	15.3	14.0	12.7	11.4	10.1	9.2	8.9	8.9	8.9	8.9
52.5°	20.3	16.2	14.8	13.4	12.1	10.9	9.9	8.9	8.9	8.9	8.9
50°	18.0	17.3	15.7	14.2	12.7	11.5	10.5	9.4	8.9	8.9	8.9
47.5°	18.2	18.3	17.0	15.0	13.4	12.2	11.2	10.0	8.9	8.9	8.9
45°	20.7	19.7	18.5	16.4	14.1	12.9	11.8	10.6	9.4	9.0	8.9
42.5°	25.0	23.4	20.5	17.8	15.7	13.6	12.3	11.1	9.9	9.1	9.0
40°	34.7	29.3	23.9	22.0	17.8	14.3	12.9	11.6	10.4	9.4	9.1
37.5°	46.5	39.0	30.9	30.8	22.0	16.5	13.5	12.1	11.0	9.9	9.3
35°	64.2	51.7	45.6	43.9	33.3	19.0	14.0	12.6	11.6	10.4	9.5
32.5°	84.6	75.7	70.1	59.0	48.0	21.7	15.6	13.5	12.3	10.9	9.7
30°	124.2	118.9	101.7	75.8	64.7	35.2	18.4	14.5	13.0	11.3	10.1
27.5°	185.5	172.1	141.3	103.9	80.4	51.6	21.9	15.7	13.7	11.8	10.4
25°	250.9	228.8	193.1	139.6	97.0	68.9	25.7	17.0	14.6	12.4	10.8
22.5°	329.0	282.6	251.5	179.4	117.9	86.6	34.7	20.1	15.7	13.0	11.1
20°	401.1	333.8	314.1	218.8	147.8	103.2	48.8	23.1	16.7	13.6	11.5
17.5°	471.0	402.1	362.3	265.2	180.5	122.0	62.7	26.2	17.8	14.3	11.8
15°	602.7	497.1	418.6	312.2	211.4	142.4	76.1	29.3	18.9	14.9	12.0
12.5°	753.8	597.9	483.7	359.1	240.2	163.8	88.9	32.3	20.0	15.4	12.1
10°	910.1	702.3	555.1	404.9	267.0	185.6	100.8	36.3	21.7	16.0	12.2
7.5°	1068.0	807.9	629.9	448.6	297.0	218.9	128.3	42.9	23.4	16.5	12.3
5°	1212.7	907.4	708.5	517.2	354.3	263.8	158.9	49.6	25.2	17.0	12.4
2.5°	1302.2	993.8	783.9	585.3	410.2	307.2	188.8	56.1	26.8	17.4	12.4
0°	1378.5	1073.0	852.7	648.4	463.7	348.2	216.7	62.2	28.4	17.8	12.4
-2.5°	1379.7	1075.3	875.9	708.4	523.0	392.1	250.8	80.4	38.9	22.6	14.1
-5°	1368.6	1072.0	896.4	763.0	578.0	432.1	280.3	97.5	48.9	27.1	15.7
-7.5°	1395.3	1083.1	915.4	806.4	627.6	467.7	304.0	113.0	58.2	31.3	17.2
-10°	1413.5	1097.1	927.7	804.1	628.0	477.9	317.8	126.4	66.3	34.9	18.5
-12.5°	1407.6	1099.9	935.5	793.6	615.0	465.3	305.5	135.8	73.1	37.9	19.7
-15°	1374.9	1090.4	938.3	774.2	596.6	450.2	291.0	142.2	79.0	40.7	20.7
-17.5°	1294.9	1067.3	936.0	745.3	572.5	432.9	274.8	146.5	83.3	43.6	22.2
-20°	1173.4	1014.4	923.1	706.4	542.6	413.7	257.5	148.5	85.9	45.5	23.8



REPORT NUMBER: P731467 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV2

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1059.8	950.6	848.5	667.9	511.4	393.0	239.8	148.0	86.7	46.2	24.9
-25°	945.6	891.1	772.0	617.2	484.3	366.8	229.8	145.0	85.6	45.7	25.5
-27.5°	868.7	828.7	702.2	565.0	450.8	341.9	225.2	143.4	83.4	43.9	25.5
-30°	812.4	753.8	641.0	515.0	414.0	308.1	217.3	139.2	81.3	42.9	25.0
-32.5°	778.2	690.1	580.8	472.0	374.4	273.7	200.1	132.2	77.4	42.3	24.6
-35°	730.4	631.0	521.3	425.5	334.1	248.3	178.9	122.4	71.6	40.8	23.9
-37.5°	678.7	569.5	467.8	378.6	293.6	220.8	159.5	108.0	63.9	38.4	22.8
-40°	608.3	507.8	414.9	334.5	259.1	191.2	139.0	94.5	58.8	35.1	21.2
-42.5°	535.0	448.7	367.3	291.2	224.7	167.4	118.2	80.5	52.8	32.2	19.1
-45°	469.9	391.6	320.5	253.5	189.9	142.7	101.9	66.8	46.1	29.3	17.2
-47.5°	405.8	339.9	276.6	215.0	162.2	118.9	85.1	58.7	38.9	25.6	16.1
-50°	349.4	290.8	234.9	182.2	134.6	99.9	69.6	50.1	33.8	21.2	14.9
-52.5°	300.3	246.2	196.3	149.8	112.4	80.3	59.5	41.3	28.2	18.5	13.5
-55°	254.2	203.4	158.6	122.2	90.7	66.9	48.7	34.4	22.3	16.6	12.2
-57.5°	207.8	160.6	127.1	96.9	73.5	54.7	39.4	27.1	19.0	14.5	11.9
-60°	161.5	127.8	98.1	77.4	59.3	43.3	30.5	21.0	16.5	12.7	11.5
-62.5°	123.7	96.5	77.9	60.8	45.7	32.7	22.4	18.0	13.9	12.3	11.1
-65°	92.9	75.2	59.0	45.2	32.6	23.3	18.8	14.8	12.9	11.8	10.7
-67.5°	67.6	54.0	41.2	29.5	23.3	18.9	15.0	13.4	12.4	11.3	10.3
-70°	44.9	33.5	26.5	21.9	17.8	14.7	13.7	12.8	11.8	10.8	9.8
-72.5°	27.9	23.2	19.1	15.7	14.5	13.5	12.8	12.1	11.2	10.3	9.3
-75°	17.6	16.0	14.8	13.8	13.0	12.4	12.0	11.4	10.6	9.7	9.2
-77.5°	14.2	13.3	12.5	12.1	11.8	11.5	11.2	10.8	10.0	9.5	9.1
-80°	11.5	11.3	11.2	11.2	10.9	10.7	10.4	10.1	9.6	9.2	9.0
-82.5°	9.5	9.7	10.0	10.2	10.0	9.8	9.6	9.4	9.1	8.9	8.7
-85°	8.2	8.5	8.9	9.2	9.0	8.9	8.8	8.6	8.5	8.3	8.2
-87.5°	7.0	7.4	7.8	8.1	8.1	8.0	7.9	7.9	7.8	7.7	7.6
-90°	5.3	5.3	5.3	5.3	5.8	6.2	6.7	7.1	7.1	7.1	7.1



REPORT NUMBER: P731467 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV2

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
85°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
82.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
75°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
72.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1
70°	7.2	7.1	7.1	7.1	7.1	7.1	7.1
67.5°	7.6	7.1	7.1	7.1	7.1	7.1	7.1
65°	8.0	7.3	7.1	7.1	7.1	7.1	7.1
62.5°	8.4	7.6	7.1	7.1	7.1	7.1	7.1
60°	8.9	8.0	7.1	7.1	7.1	7.1	7.1
57.5°	8.9	8.3	7.4	7.1	7.1	7.1	7.1
55°	8.9	8.6	7.6	7.1	7.1	7.1	7.1
52.5°	8.9	8.9	7.9	7.1	7.1	7.1	7.1
50°	8.9	8.9	8.1	7.1	7.1	7.1	7.1
47.5°	8.9	8.9	8.4	7.1	7.1	7.1	7.1
45°	8.9	8.9	8.6	7.3	7.1	7.1	7.1
42.5°	8.9	8.9	8.8	7.5	7.1	7.1	7.1
40°	8.9	8.9	8.9	7.6	7.1	7.1	7.1
37.5°	8.9	8.9	8.9	7.7	7.1	7.1	7.1
35°	8.9	8.9	8.9	7.8	7.1	7.1	7.1
32.5°	9.0	8.9	8.9	7.9	7.1	7.1	7.1
30°	9.1	8.9	8.9	7.9	7.1	7.1	7.1
27.5°	9.3	8.9	8.8	7.9	7.1	7.1	7.1
25°	9.6	8.9	8.8	7.9	7.1	7.1	7.1
22.5°	9.8	8.9	8.8	7.9	7.1	7.1	7.1
20°	10.0	8.9	8.8	7.9	7.1	7.1	7.1
17.5°	10.2	8.9	8.8	7.8	7.1	7.1	7.1
15°	10.3	8.9	8.8	7.7	7.1	7.1	7.1
12.5°	10.4	8.9	8.8	7.6	7.1	7.1	7.1
10°	10.5	8.9	8.8	7.5	7.1	7.1	7.1
7.5°	10.6	8.9	8.9	7.4	7.1	7.1	7.1
5°	10.7	8.9	8.9	7.3	7.1	7.1	7.1
2.5°	10.7	8.9	8.9	7.2	7.1	7.1	7.1
0°	10.7	8.9	8.9	7.1	7.1	7.1	7.1
-2.5°	11.4	9.3	8.9	7.2	7.1	7.1	7.1
-5°	12.1	9.7	8.9	7.3	7.1	7.1	7.1
-7.5°	12.7	10.0	8.9	7.4	7.1	7.1	7.1
-10°	13.3	10.3	8.8	7.5	7.1	7.1	7.1
-12.5°	13.8	10.6	8.8	7.6	7.1	7.1	7.1
-15°	14.2	10.8	8.8	7.7	7.1	7.1	7.1
-17.5°	14.6	10.9	8.8	7.8	7.1	7.1	7.1
-20°	15.0	11.0	8.8	7.9	7.1	7.1	7.1



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-5S-CV2

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	15.6	11.0	8.8	7.9	7.1	7.1	7.1
-25°	15.9	10.9	8.8	7.9	7.1	7.1	7.1
-27.5°	15.9	10.8	8.8	7.9	7.1	7.1	7.1
-30°	15.6	10.6	8.9	7.9	7.1	7.1	7.1
-32.5°	15.0	10.4	9.0	7.9	7.1	7.1	7.1
-35°	14.6	10.1	9.1	7.8	7.1	7.1	7.1
-37.5°	14.1	9.8	9.1	7.7	7.1	7.1	7.1
-40°	13.6	9.9	9.2	7.6	7.1	7.1	7.1
-42.5°	12.9	9.9	9.1	7.5	7.1	7.1	7.1
-45°	12.1	10.0	9.0	7.4	7.1	7.1	7.1
-47.5°	11.2	9.9	8.8	7.2	7.1	7.1	7.1
-50°	11.0	9.9	8.6	7.2	7.1	7.1	7.1
-52.5°	10.9	9.8	8.4	7.3	7.1	7.1	7.1
-55°	10.7	9.6	8.2	7.3	7.1	7.1	7.1
-57.5°	10.6	9.3	8.0	7.3	7.1	7.1	7.1
-60°	10.3	9.0	7.8	7.4	7.1	7.1	7.1
-62.5°	9.9	8.7	7.8	7.4	7.1	7.1	7.1
-65°	9.6	8.4	7.8	7.4	7.1	7.1	7.1
-67.5°	9.2	8.3	7.9	7.4	7.1	7.1	7.1
-70°	8.8	8.3	7.9	7.5	7.1	7.1	7.1
-72.5°	8.8	8.3	7.9	7.4	7.1	7.1	7.1
-75°	8.8	8.4	7.9	7.4	7.1	7.1	7.1
-77.5°	8.8	8.4	7.8	7.4	7.1	7.1	7.1
-80°	8.9	8.2	7.7	7.3	7.1	7.1	7.1
-82.5°	8.5	8.0	7.6	7.3	7.1	7.1	7.1
-85°	8.0	7.7	7.4	7.2	7.1	7.1	7.1
-87.5°	7.6	7.4	7.3	7.2	7.1	7.1	7.1
-90°	7.1	7.1	7.1	7.1	7.1	7.1	7.1

(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

