

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: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-3S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-20)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-70-3S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

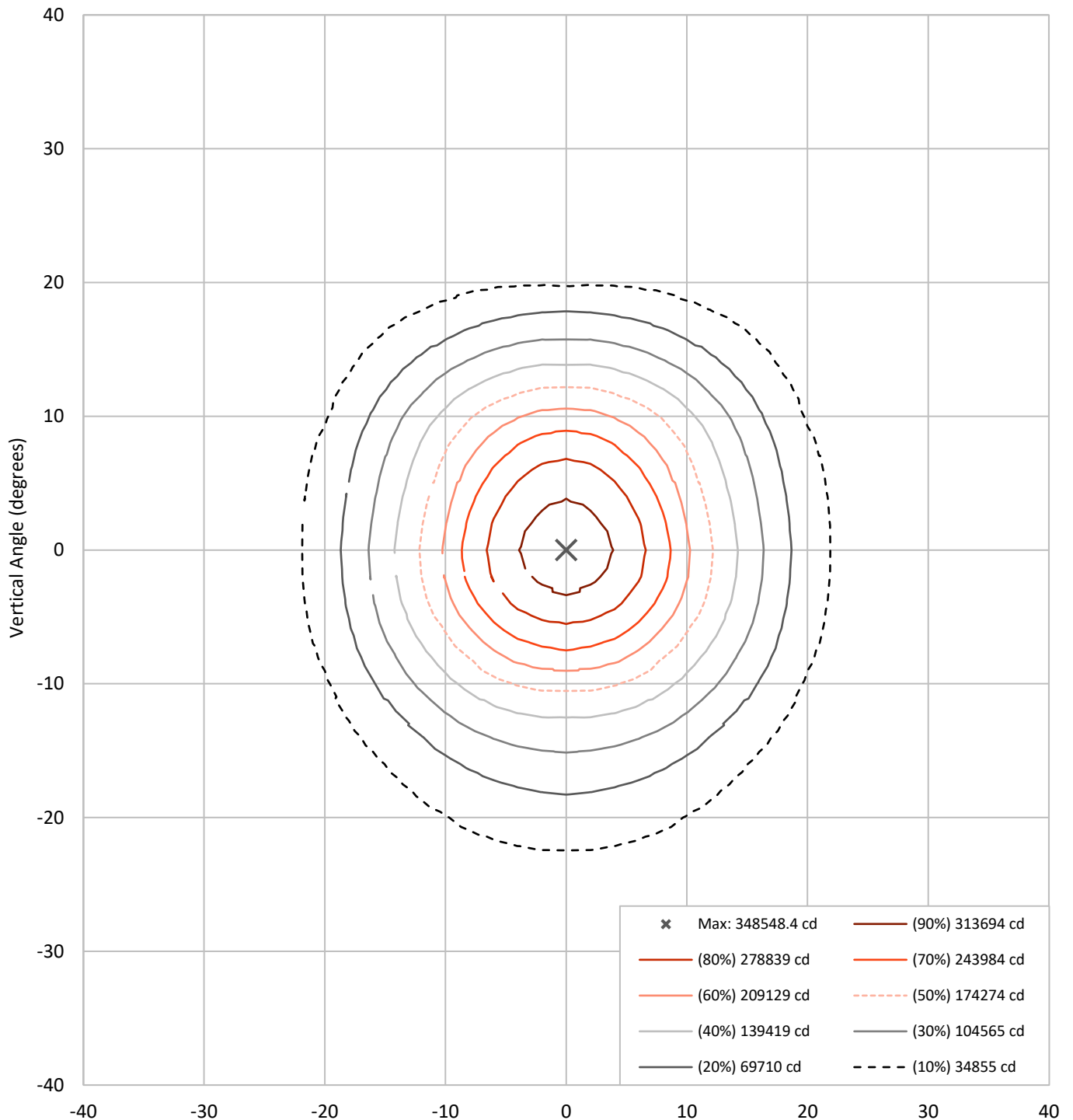
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	72239.5 lumens	Max Intensity:	348548.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	129.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.3°H x 22.7°V	Field Angle (10%):	43.8°H x 42.1°V
Beam Lumens:	34064.3 lumens	Field Lumens:	61538.6 lumens
Beam Efficiency:	47.2%	Field Efficiency:	85.2%

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

REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

Iso-Candela Plot





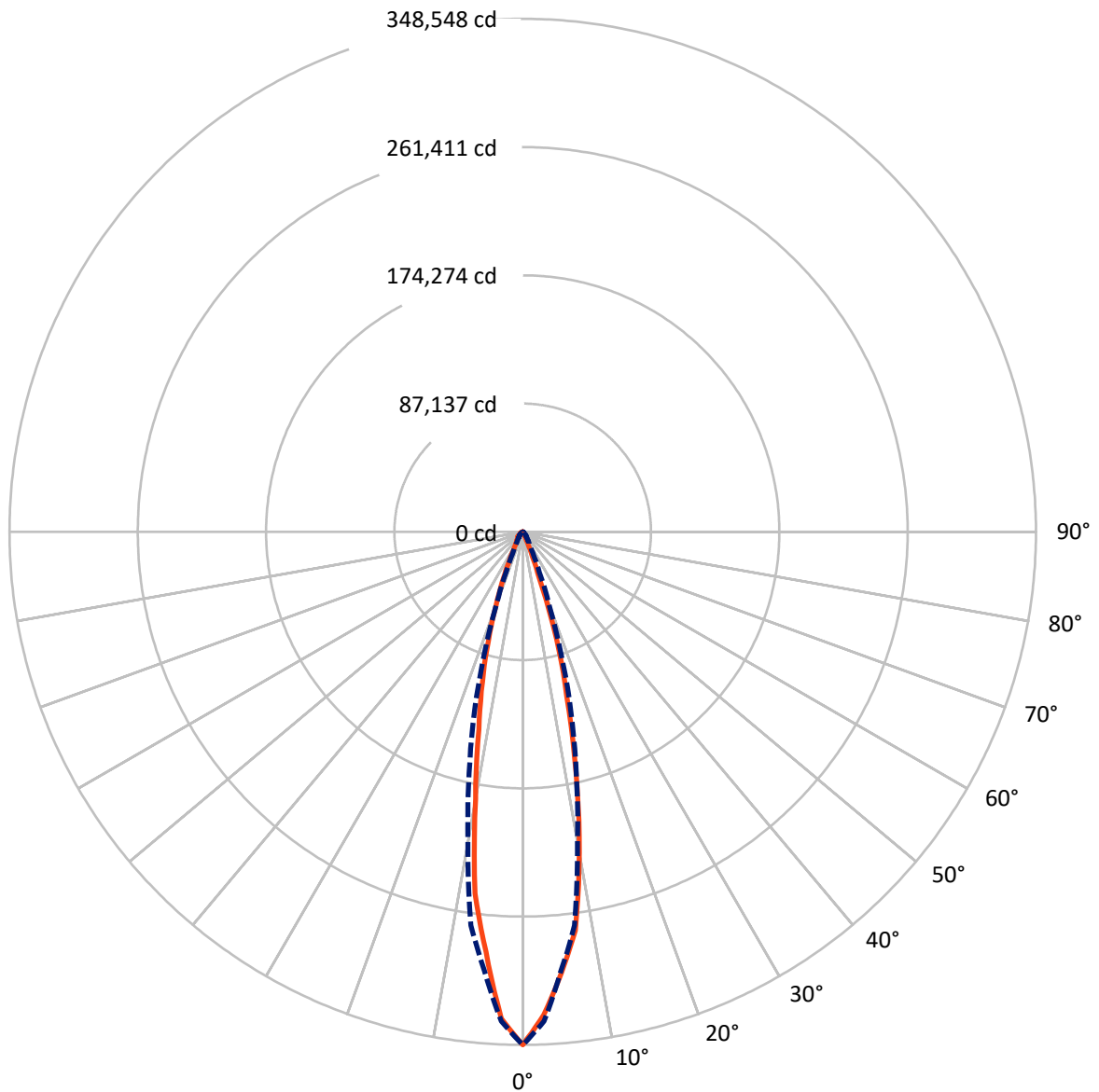
REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

Lumen Table

90	0.1		0.2		0.4		0.5		0.5		0.5		0.4		0.2		0.1	
80	0.1		0.2		0.4		0.5		0.5		0.5		0.4		0.2		0.1	
70	0.1	0.1	0.2	0.6	0.8	0.5	0.4	0.4	0.4	0.4	0.5	0.8	0.6	0.2	0.1	0.1		
60		0.1	0.4	0.8	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.8	0.4	0.1			
50	0.1	0.2	0.6	0.6	0.7	1.0	1.9	1.3	1.3	1.9	1.0	0.7	0.6	0.6	0.2	0.1		
40		0.4	1.2	2.8	5.1	7.4	10.1	12.1	12.1	10.1	7.4	5.1	2.8	1.2	0.4			
30	0.2	0.7	4.9	15.4	35.6	59.3	121.8	234.5	234.5	121.8	59.3	35.6	15.4	4.9	0.7	0.2		
20		1.5	10.5	39.2	95.0	251.4	1384.4	3267.1	3267.1	1384.4	251.4	95.0	39.2	10.5	1.5			
10	0.4	2.3	14.0	52.2	122.2	536.3	3319.0	7783.6	7783.6	3319.0	536.3	122.2	52.2	14.0	2.3	0.4		
0		2.8	15.0	53.1	122.5	531.0	3261.0	7459.1	7459.1	3261.0	531.0	122.5	53.1	15.0	2.8			
-10	0.6	3.4	14.2	44.1	96.3	253.5	1322.1	2984.0	2984.0	1322.1	253.5	96.3	44.1	14.2	3.4	0.6		
-20		3.5	13.2	33.0	82.1	143.7	329.0	672.5	672.5	329.0	143.7	82.1	33.0	13.2	3.5			
-30	0.5	3.1	11.3	25.0	60.6	118.8	166.9	205.0	205.0	166.9	118.8	60.6	25.0	11.3	3.1	0.5		
-40		2.2	8.6	19.7	36.8	65.3	106.8	136.8	136.8	106.8	65.3	36.8	19.7	8.6	2.2			
-50	0.3	1.1	5.2	13.2	25.1	38.6	51.7	59.8	59.8	51.7	38.6	25.1	13.2	5.2	1.1	0.3		
-60		0.4	1.8	5.7	11.7	18.5	25.3	29.2	29.2	25.3	18.5	11.7	5.7	1.8	0.4			
-70	0.2	1.0	3.7	9.5	12.9	9.5	3.7	1.0	0.2	0.2								
-80		1.0	3.7	9.5	12.9	9.5	3.7	1.0	0.2									
-90	0.2		1.0		3.7		9.5		12.9		9.5		3.7		1.0		0.2	

REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

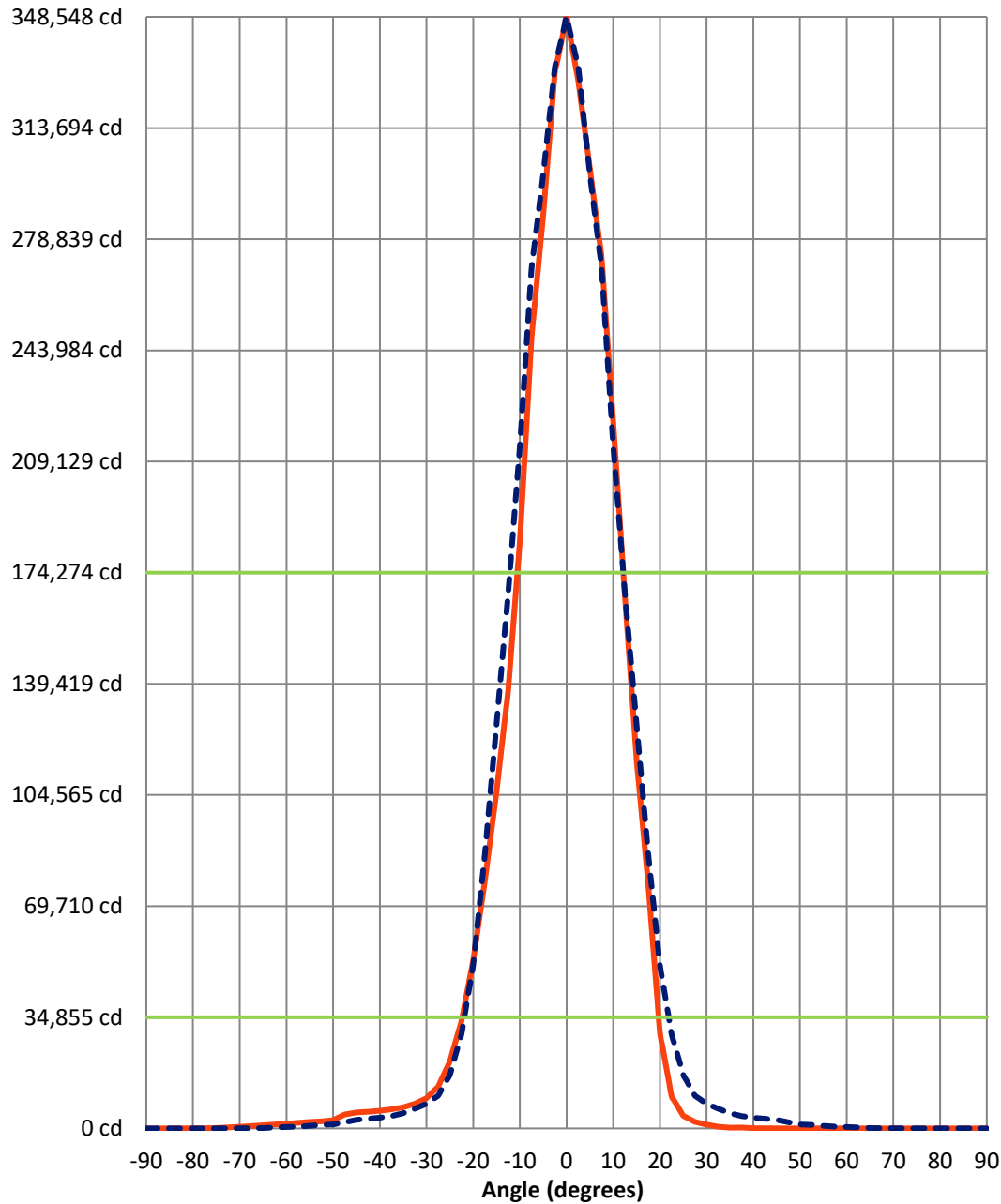
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

Luminous Intensity Plot



Beam:
 H Angle: 24.3°
 V Angle: 22.7°
 Lumens: 34064.3
 Efficiency: 47.2%

Field:
 H Angle: 43.8°
 V Angle: 42.1°
 Lumens: 61538.6
 Efficiency: 85.2%

Spill:
 Lumens: 10700.8
 Efficiency: 14.8%

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



REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	3.5	4.4	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	3.5	3.6	3.7	3.7	3.7	3.6	3.5	3.5	3.5	3.5	3.5
85°	3.5	3.7	3.8	3.9	3.8	3.7	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.7	4.0	4.0	4.0	3.8	3.5	3.5	3.5	3.6	3.5
80°	3.5	3.8	4.1	4.2	4.1	3.9	3.6	3.8	3.8	3.8	3.5
77.5°	3.5	3.9	4.3	4.4	4.3	4.1	4.1	4.2	4.2	4.0	3.6
75°	3.5	4.0	4.4	4.6	4.5	4.4	4.5	4.6	4.5	4.1	3.6
72.5°	3.5	4.0	4.6	4.8	4.6	4.7	4.9	5.0	4.6	4.1	3.7
70°	3.5	4.1	4.7	4.9	4.8	4.9	5.3	5.0	4.6	4.2	4.2
67.5°	3.5	4.2	4.9	5.0	4.9	5.2	5.3	5.1	4.7	4.6	4.9
65°	3.5	4.3	5.0	5.1	5.1	5.3	5.3	5.1	4.9	5.0	5.3
62.5°	3.5	4.3	5.2	5.1	5.2	5.3	5.3	5.2	5.1	5.4	5.5
60°	3.5	4.4	5.3	5.2	5.3	5.3	5.3	5.3	5.3	5.7	5.8
57.5°	3.5	4.5	5.3	5.2	5.3	5.3	5.4	5.3	5.6	6.1	6.1
55°	3.5	4.5	5.3	5.2	5.3	5.3	5.5	5.4	6.1	6.5	6.5
52.5°	3.5	4.6	5.3	5.3	5.3	5.3	5.6	5.9	6.6	7.0	7.0
50°	3.5	4.7	5.3	5.3	5.3	5.5	5.8	6.4	7.1	7.6	9.4
47.5°	3.5	4.7	5.3	5.3	5.3	5.7	6.0	6.9	7.7	8.2	11.7
45°	3.5	4.8	5.3	5.3	5.3	5.9	6.5	7.4	8.3	10.0	13.9
42.5°	3.5	4.8	5.3	5.3	5.3	6.1	6.9	7.9	8.8	11.7	17.9
40°	3.5	4.9	5.3	5.3	5.4	6.3	7.3	8.3	9.6	13.2	22.0
37.5°	3.5	4.9	5.3	5.3	5.6	6.6	7.7	8.8	10.8	15.2	26.0
35°	3.5	5.0	5.3	5.3	5.8	6.8	8.0	9.2	11.9	18.8	29.2
32.5°	3.5	5.0	5.3	5.3	5.9	7.2	8.4	9.6	12.8	22.4	32.1
30°	3.5	5.1	5.3	5.3	6.1	7.4	8.7	10.1	13.7	26.0	35.1
27.5°	3.5	5.1	5.3	5.3	6.3	7.7	9.1	10.8	15.3	29.5	38.2
25°	3.5	5.1	5.3	5.3	6.4	8.0	9.4	11.5	18.1	32.3	41.5
22.5°	3.5	5.2	5.3	5.3	6.5	8.2	9.7	12.1	20.8	34.9	47.3
20°	3.5	5.2	5.3	5.3	6.7	8.3	9.9	12.6	23.3	37.4	53.5
17.5°	3.5	5.2	5.3	5.3	6.8	8.5	10.2	13.0	25.7	39.8	60.0
15°	3.5	5.2	5.3	5.3	6.9	8.6	10.5	13.5	28.0	42.2	66.8
12.5°	3.5	5.3	5.3	5.3	6.9	8.7	10.9	14.3	30.5	44.5	73.5
10°	3.5	5.3	5.3	5.3	7.0	8.8	11.2	15.0	33.4	48.1	81.0
7.5°	3.5	5.3	5.3	5.3	7.0	8.8	11.5	15.8	36.1	51.9	90.3
5°	3.5	5.3	5.3	5.3	7.1	8.9	11.8	16.5	38.5	55.5	99.2
2.5°	3.5	5.3	5.3	5.3	7.1	8.9	12.1	17.1	40.7	58.9	107.6
0°	3.5	5.3	5.3	5.3	7.1	8.9	12.1	17.1	40.7	58.9	107.6
-2.5°	3.5	5.3	5.3	5.3	7.1	8.9	12.1	17.1	40.7	58.9	107.6
-5°	3.5	5.3	5.3	5.3	7.1	8.9	12.1	17.1	40.7	58.9	107.6
-7.5°	3.5	5.3	5.3	5.3	7.1	8.9	12.1	17.1	40.7	58.9	107.6
-10°	3.5	5.3	5.3	5.3	7.1	8.9	12.1	17.1	40.7	58.9	107.6
-12.5°	3.5	5.3	5.3	5.3	7.1	8.9	12.1	17.1	40.7	58.9	107.6
-15°	3.5	5.2	5.7	6.6	8.7	12.8	22.8	45.0	89.2	142.8	218.4
-17.5°	3.5	5.2	5.8	6.8	8.9	13.2	23.7	47.9	94.1	151.7	229.3
-20°	3.5	5.2	5.8	7.0	9.1	13.5	24.6	50.4	97.5	158.6	236.5



REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.5	5.2	5.9	7.1	9.3	13.7	25.4	51.8	99.0	163.6	239.7
-25°	3.5	5.2	5.9	7.3	9.4	13.9	25.7	52.1	98.7	166.3	238.7
-27.5°	3.5	5.1	5.9	7.4	9.6	13.9	25.3	51.1	96.5	166.4	241.0
-30°	3.5	5.1	6.0	7.5	9.7	13.9	24.2	48.8	94.3	163.5	240.6
-32.5°	3.5	5.1	6.0	7.5	9.8	13.6	22.5	47.2	91.5	157.8	237.1
-35°	3.5	5.1	6.0	7.6	9.8	13.2	21.6	45.1	86.9	149.3	230.5
-37.5°	3.5	5.0	5.9	7.6	9.8	12.9	21.1	42.0	80.3	138.1	215.8
-40°	3.5	5.0	5.9	7.6	9.8	12.9	20.3	37.8	71.7	127.6	197.6
-42.5°	3.5	5.0	5.9	7.5	9.7	12.8	19.3	32.5	64.4	114.2	176.6
-45°	3.5	5.0	5.8	7.4	9.6	12.6	18.0	28.2	57.1	98.5	153.9
-47.5°	3.5	4.9	5.8	7.3	9.5	12.3	16.4	26.3	48.3	81.1	134.0
-50°	3.5	4.9	5.7	7.2	9.3	12.0	15.8	24.1	37.8	69.0	111.8
-52.5°	3.5	4.9	5.6	7.1	9.1	11.6	15.3	21.6	32.2	55.9	88.4
-55°	3.5	4.8	5.5	6.9	8.9	11.3	14.6	18.9	28.6	41.7	72.1
-57.5°	3.5	4.8	5.4	6.8	8.7	10.9	13.9	17.9	24.8	34.9	54.5
-60°	3.5	4.8	5.3	6.6	8.4	10.5	13.1	16.8	21.3	30.2	40.3
-62.5°	3.5	4.8	5.3	6.4	8.1	10.1	12.5	15.7	19.9	25.2	34.5
-65°	3.5	4.7	5.3	6.2	7.7	9.6	11.8	14.6	18.4	22.7	28.4
-67.5°	3.5	4.7	5.3	6.0	7.4	9.1	11.1	13.7	16.8	20.7	25.0
-70°	3.5	4.7	5.3	5.7	7.0	8.6	10.4	12.8	15.6	18.7	22.5
-72.5°	3.5	4.6	5.3	5.6	6.6	8.0	9.6	11.8	14.4	17.1	20.2
-75°	3.5	4.6	5.3	5.6	6.2	7.4	8.8	10.8	13.1	15.5	18.2
-77.5°	3.5	4.6	5.3	5.6	6.0	6.8	8.0	9.7	11.7	13.8	16.2
-80°	3.5	4.5	5.3	5.5	5.9	6.4	7.2	8.7	10.3	12.1	14.1
-82.5°	3.5	4.5	5.3	5.5	5.8	6.2	6.7	7.7	8.9	10.4	11.9
-85°	3.5	4.5	5.3	5.4	5.6	5.9	6.2	6.9	7.7	8.7	9.8
-87.5°	3.5	4.4	5.3	5.4	5.5	5.6	5.8	6.1	6.5	7.0	7.5
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5



REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
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°	3.1	2.7	2.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	3.1	2.7	2.3	2.1	2.1	2.0	2.0	1.8	1.8	1.8	1.8
82.5°	3.3	3.1	3.0	3.0	2.9	2.6	2.3	2.0	2.1	2.1	2.0
80°	3.4	3.5	3.5	3.5	3.3	3.2	3.1	3.2	3.1	2.8	2.6
77.5°	3.5	3.5	3.5	3.5	3.5	3.7	3.9	4.4	4.4	4.2	4.0
75°	3.5	3.5	3.6	3.6	3.7	4.1	4.7	5.2	5.1	5.0	5.0
72.5°	3.8	4.0	4.0	3.7	4.1	4.7	5.1	5.3	6.3	7.8	8.8
70°	4.5	4.6	4.5	4.6	5.0	5.7	7.6	10.1	12.6	14.3	16.7
67.5°	5.2	5.0	5.0	5.5	6.8	8.8	11.6	17.9	24.8	27.5	28.8
65°	5.3	5.2	5.7	6.9	8.7	13.9	20.8	28.9	37.3	39.3	39.1
62.5°	5.3	5.6	6.5	9.2	14.2	20.7	29.6	38.7	47.7	46.2	40.8
60°	5.5	5.7	8.9	14.2	20.1	28.9	38.6	43.5	46.3	46.0	39.6
57.5°	5.7	7.8	13.2	19.9	28.3	35.8	39.0	41.8	43.5	45.0	37.3
55°	7.2	11.4	18.2	27.0	33.8	35.3	37.2	38.2	39.7	36.8	28.5
52.5°	10.5	15.4	24.3	32.1	35.1	34.8	33.0	33.2	30.7	26.8	22.6
50°	13.5	21.2	29.7	34.5	35.9	33.3	28.6	27.1	24.6	21.5	18.6
47.5°	18.0	26.8	32.9	37.0	36.1	32.3	26.8	23.5	20.9	20.0	17.2
45°	23.0	30.8	36.6	38.3	36.4	31.6	27.2	21.3	22.5	22.3	22.0
42.5°	27.8	34.1	39.0	40.4	36.4	33.2	29.3	27.9	27.7	31.2	33.6
40°	30.8	37.3	41.8	42.2	37.9	37.0	39.7	41.5	39.9	45.9	50.9
37.5°	33.6	40.5	46.2	48.3	42.8	47.2	53.9	72.5	74.3	63.6	81.4
35°	36.2	44.3	54.9	63.1	62.8	63.3	91.9	120.2	133.4	116.8	132.3
32.5°	39.5	48.7	66.9	88.4	106.2	109.1	140.1	197.7	224.8	225.9	223.7
30°	44.1	60.1	85.6	121.0	166.1	209.7	233.3	296.7	340.3	414.7	471.0
27.5°	50.6	74.8	117.1	176.2	247.3	333.9	386.7	423.4	530.6	669.8	819.8
25°	58.0	104.4	153.5	247.1	367.8	477.9	545.1	589.2	776.4	1052.6	1245.8
22.5°	74.1	142.6	206.8	327.6	503.8	627.6	698.6	840.6	1131.0	1501.7	1730.4
20°	101.9	189.2	269.3	400.9	643.0	780.9	848.1	1129.9	1578.1	1958.3	2273.3
17.5°	134.0	236.2	331.3	486.9	721.2	898.8	1013.1	1439.5	2054.4	2395.9	2756.7
15°	169.3	283.1	386.6	563.4	796.6	968.7	1215.8	1812.8	2490.1	2816.2	3188.5
12.5°	206.7	329.4	435.5	630.3	870.9	1033.2	1397.2	2079.1	2715.0	3156.5	3639.5
10°	244.8	374.7	478.7	688.2	942.6	1092.5	1567.6	2301.0	2833.9	3249.2	3812.8
7.5°	268.5	405.9	514.0	737.1	1010.0	1146.8	1723.2	2480.2	2918.4	3304.0	3836.4
5°	285.6	420.9	531.4	770.4	1057.0	1189.9	1850.2	2618.4	2973.2	3325.9	3794.4
2.5°	298.2	432.6	546.1	795.4	1085.9	1219.6	1909.9	2671.6	3009.6	3352.7	3800.6
0°	306.4	441.0	557.8	812.9	1105.1	1245.0	1941.0	2690.1	3031.9	3375.4	3864.2
-2.5°	317.3	453.1	576.4	830.7	1110.0	1250.7	1945.5	2682.9	3044.7	3429.7	3932.9
-5°	324.4	461.8	591.3	840.7	1106.4	1251.4	1921.1	2644.5	3026.2	3416.3	3906.4
-7.5°	328.7	467.2	602.0	841.5	1087.5	1232.5	1837.7	2524.0	2922.3	3288.4	3770.1
-10°	332.2	474.7	612.0	827.2	1050.9	1199.5	1720.1	2381.0	2807.0	3144.2	3596.6
-12.5°	343.3	485.0	619.5	809.9	1013.3	1162.3	1576.3	2219.8	2682.6	2985.8	3409.4
-15°	351.1	493.3	623.9	791.1	976.9	1121.2	1407.3	2044.0	2587.8	2928.4	3291.6
-17.5°	355.7	499.9	625.5	772.0	943.8	1076.4	1221.5	1881.0	2512.4	2897.3	3232.6
-20°	357.0	505.3	624.5	753.8	914.6	1049.7	1180.3	1683.1	2327.8	2847.8	3180.5



REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	355.3	509.7	622.8	745.6	895.7	1037.7	1164.5	1464.4	2084.1	2776.3	3113.9
-25°	354.3	503.7	622.6	733.9	874.4	1023.2	1148.1	1259.9	1810.1	2501.3	3024.3
-27.5°	352.0	494.3	610.0	715.5	847.8	1002.9	1128.9	1239.1	1557.6	2188.8	2883.5
-30°	344.1	469.1	592.8	692.4	820.9	968.6	1107.1	1223.9	1343.0	1869.9	2517.9
-32.5°	326.3	441.6	564.5	669.9	787.5	928.7	1076.2	1197.1	1318.1	1511.4	2126.0
-35°	307.4	415.6	531.4	642.1	747.0	882.9	1023.9	1161.3	1281.6	1408.1	1708.0
-37.5°	292.9	387.2	497.0	607.2	711.4	830.8	965.8	1104.7	1234.3	1364.9	1512.6
-40°	275.3	356.3	462.6	568.2	672.2	780.0	904.5	1036.0	1171.7	1322.1	1460.5
-42.5°	254.3	333.3	426.3	528.0	628.9	732.4	839.9	964.3	1106.3	1265.2	1411.7
-45°	228.0	307.1	389.2	484.5	582.0	680.6	782.8	890.5	1032.9	1184.7	1340.4
-47.5°	198.6	276.5	355.8	437.4	530.9	626.0	721.4	830.3	950.6	1091.9	1243.3
-50°	168.1	240.2	317.7	393.0	475.6	566.8	658.9	763.8	877.2	994.9	1127.4
-52.5°	140.2	200.5	272.9	347.5	421.8	502.7	592.5	690.4	795.4	907.4	1016.5
-55°	109.9	163.8	223.9	295.1	368.3	440.4	517.7	607.3	703.9	806.2	908.3
-57.5°	85.3	125.8	177.5	236.9	306.3	378.1	446.7	518.3	602.8	694.5	783.8
-60°	64.0	92.9	132.1	182.4	238.1	304.4	372.9	439.1	506.1	573.8	652.8
-62.5°	44.4	66.9	94.0	128.8	176.6	228.4	288.4	351.4	415.4	473.7	531.4
-65°	37.3	44.8	63.5	88.9	115.9	159.6	207.6	258.0	314.2	364.5	416.3
-67.5°	29.8	36.7	43.5	53.6	76.8	102.1	129.3	171.8	215.6	251.9	288.9
-70°	26.1	29.1	34.6	40.6	46.4	56.7	78.9	102.5	126.1	149.7	180.1
-72.5°	22.9	25.5	28.3	31.2	36.0	40.9	45.9	50.9	64.2	82.2	98.8
-75°	20.1	21.8	24.1	26.5	28.8	31.1	33.5	37.6	41.8	45.9	50.1
-77.5°	17.6	18.9	20.3	21.9	23.6	25.5	27.4	29.3	30.9	32.6	34.4
-80°	15.0	15.9	16.8	17.9	19.1	20.4	21.7	23.1	24.3	25.4	26.5
-82.5°	12.6	13.2	13.8	14.4	15.0	15.5	16.1	16.9	17.8	18.5	19.3
-85°	10.2	10.6	11.0	11.4	11.7	12.1	12.5	12.8	13.1	13.4	13.7
-87.5°	8.0	8.4	8.8	9.1	9.2	9.3	9.5	9.6	9.7	9.8	9.9
-90°	3.1	2.7	2.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	7.1	7.6	8.0	8.5	8.9	8.9	8.9	8.9	8.9	8.9	8.9
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.4	0.9
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	2.3	2.3	2.2	2.1	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	3.8	3.6	3.3	3.1	2.8	2.6	2.4	2.2	1.8	1.8	1.8
75°	5.1	5.2	5.3	5.0	4.5	4.1	3.9	3.6	3.2	3.3	3.3
72.5°	9.4	9.3	9.0	8.9	8.4	8.1	8.2	8.1	7.8	8.0	8.3
70°	18.1	18.6	18.2	17.1	15.2	13.8	13.0	12.0	10.7	10.5	11.1
67.5°	28.5	27.2	25.6	23.5	20.3	17.6	16.3	15.0	13.7	13.5	13.8
65°	36.3	30.8	27.0	23.9	21.4	18.9	17.2	15.5	13.8	12.9	12.7
62.5°	35.0	28.8	24.6	21.8	19.4	17.4	15.3	13.2	11.3	10.0	10.1
60°	32.9	26.0	20.6	17.9	15.8	14.3	12.4	10.8	9.6	8.9	9.0
57.5°	28.0	20.4	15.6	14.4	13.0	11.3	10.1	9.5	9.1	8.9	8.9
55°	21.6	17.3	14.5	12.9	11.4	9.9	9.0	9.2	9.1	8.9	9.3
52.5°	17.8	15.3	13.3	11.8	11.1	10.7	10.5	10.5	10.7	11.0	11.3
50°	15.9	14.2	13.3	12.2	12.2	12.2	12.2	12.8	13.3	13.5	13.3
47.5°	16.1	15.4	16.2	14.1	14.5	15.8	15.8	16.0	17.1	17.5	17.4
45°	20.3	24.5	24.6	22.6	21.4	26.1	26.4	24.0	36.8	36.0	27.3
42.5°	36.1	38.6	38.7	40.9	45.3	59.5	85.9	109.8	113.5	99.7	68.4
40°	58.4	56.4	60.8	73.0	108.2	140.4	164.7	237.4	236.8	185.3	186.7
37.5°	95.0	92.9	99.7	136.6	148.0	128.0	180.2	185.2	158.7	189.1	191.8
35°	163.6	185.5	161.7	200.7	202.7	181.2	194.5	217.1	185.1	221.5	237.3
32.5°	298.2	336.8	340.5	337.5	357.6	377.3	365.7	420.6	430.4	466.8	506.9
30°	484.6	558.9	615.7	604.7	638.1	696.6	715.8	799.6	883.0	934.8	1061.6
27.5°	844.4	881.9	998.4	1080.3	1061.3	1157.0	1346.8	1405.5	1645.0	1759.6	1924.7
25°	1337.1	1403.7	1569.7	1764.3	1847.6	2007.8	2316.2	2463.7	2778.2	2938.7	3544.0
22.5°	1947.6	2173.2	2381.4	2642.8	3018.0	3336.6	3679.4	4255.5	5191.5	6536.4	8141.9
20°	2644.6	3022.7	3337.5	3820.5	4442.4	5041.7	5928.4	8484.8	11200.0	16863.3	20711.1
17.5°	3304.0	3904.2	4344.1	4985.5	5904.1	7404.2	10458.5	16172.8	25153.6	36124.4	46596.9
15°	3818.6	4432.0	5247.4	6215.5	7618.6	10554.1	16133.1	27428.1	44550.6	61267.8	78857.0
12.5°	4253.4	4902.2	5795.9	7107.3	9205.8	14482.3	24513.5	41527.8	64099.6	88986.2	115281.3
10°	4533.2	5321.1	6391.4	8123.4	11610.6	19107.1	32148.0	54947.5	85287.8	117779.7	147005.9
7.5°	4582.4	5543.9	6899.6	9006.4	13996.7	23931.5	41228.6	68049.4	101278.3	137873.4	174681.8
5°	4602.1	5751.3	7329.1	9700.0	15635.9	27421.3	46459.6	76443.4	113339.5	150923.3	190537.7
2.5°	4654.6	5955.0	7644.3	10185.3	16581.6	29502.3	49482.6	82456.1	121381.2	162192.7	206360.5
0°	4763.8	6168.2	7712.5	10267.9	16779.7	29546.4	51226.3	85901.4	126626.1	167858.9	213928.3
-2.5°	4823.0	6140.8	7655.0	10099.2	16524.2	29551.1	49550.5	83504.4	123891.1	164121.1	210545.8
-5°	4721.4	5866.6	7300.8	9590.2	15406.4	27187.9	46221.4	77314.9	114591.8	150763.0	188094.7
-7.5°	4503.0	5480.8	6797.4	8867.4	13673.0	23524.8	40204.2	65736.1	97390.0	128835.8	157920.3
-10°	4248.7	5071.8	6151.7	7818.0	11223.4	18601.0	31457.7	51546.9	78735.9	105730.8	130275.5
-12.5°	3974.3	4615.3	5414.8	6567.4	8687.3	14044.9	23840.9	39238.2	58038.5	78402.9	100697.2
-15°	3739.8	4212.3	4818.3	5799.9	7417.0	10463.2	16003.3	26249.6	39730.8	55695.5	72129.7
-17.5°	3582.1	3933.5	4461.2	5210.0	6204.0	8013.4	12023.0	18097.9	26772.1	38720.6	49574.5
-20°	3469.0	3799.4	4218.2	4807.7	5640.2	6915.9	8877.9	13064.9	18772.9	26517.4	33884.8



REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3388.3	3685.6	4039.5	4513.9	5257.4	6254.3	7506.6	9538.7	13133.4	17700.4	22822.3
-25°	3308.8	3555.5	3945.8	4455.9	4966.9	5680.2	6545.8	7543.5	9458.5	11489.0	14633.0
-27.5°	3218.0	3523.1	3959.3	4435.7	4896.1	5250.2	5864.7	6552.8	7566.8	8548.4	10163.7
-30°	3151.8	3542.0	3975.9	4433.9	4788.6	5101.5	5445.2	5971.1	6627.2	7321.0	8063.5
-32.5°	2822.4	3484.0	3929.3	4339.9	4633.3	4924.1	5228.5	5593.4	6012.8	6452.3	6903.4
-35°	2381.0	3085.5	3776.5	4098.3	4395.7	4689.0	5006.4	5302.0	5597.9	5895.1	6178.3
-37.5°	1839.9	2530.3	3183.1	3745.4	4086.9	4385.5	4723.9	5027.3	5286.8	5510.2	5728.1
-40°	1607.3	1848.5	2479.9	3071.8	3568.6	4041.9	4360.8	4696.9	4986.3	5192.4	5377.4
-42.5°	1543.3	1679.2	1819.1	2273.0	2821.6	3308.0	3740.7	4161.1	4559.0	4845.4	5065.6
-45°	1487.8	1602.7	1722.6	1856.5	1990.2	2416.6	2866.5	3319.2	3787.6	4206.8	4546.2
-47.5°	1385.0	1524.2	1642.3	1753.0	1859.4	1980.7	2106.1	2286.4	2697.4	3116.8	3499.2
-50°	1258.1	1388.5	1520.1	1651.1	1749.6	1842.7	1938.0	2045.6	2165.4	2287.6	2390.7
-52.5°	1119.7	1239.7	1361.2	1476.8	1587.1	1694.2	1798.9	1893.7	1983.0	2069.1	2119.7
-55°	1007.4	1103.4	1199.1	1298.2	1398.8	1496.8	1594.1	1692.2	1786.7	1876.9	1927.3
-57.5°	876.4	972.1	1063.7	1139.2	1217.2	1296.9	1380.2	1464.7	1547.5	1624.6	1668.0
-60°	734.1	817.1	896.5	969.8	1042.0	1112.7	1180.9	1247.9	1312.3	1368.3	1402.4
-62.5°	591.0	658.5	724.4	786.7	847.4	906.9	970.7	1031.3	1088.2	1134.3	1162.6
-65°	468.9	520.4	566.2	611.1	655.3	706.3	760.6	812.1	860.3	897.8	922.7
-67.5°	332.0	376.4	418.4	458.3	495.1	531.5	570.1	607.8	644.2	672.3	692.3
-70°	209.2	237.2	264.8	294.4	326.6	358.5	390.4	419.7	446.5	466.6	481.8
-72.5°	114.0	127.5	141.6	162.5	182.6	204.0	225.9	246.5	265.8	279.4	289.5
-75°	54.2	60.2	71.0	80.7	89.3	98.8	108.3	117.0	125.0	129.2	131.5
-77.5°	37.1	40.1	42.8	45.2	47.4	50.2	53.2	56.3	59.3	61.2	62.7
-80°	27.7	28.8	30.1	31.3	32.5	33.8	35.0	36.2	37.3	38.2	39.1
-82.5°	20.0	20.6	21.2	21.8	22.3	23.2	24.1	24.9	25.7	26.3	27.0
-85°	14.0	14.4	14.7	15.0	15.2	15.7	16.3	16.8	17.3	17.4	17.5
-87.5°	10.0	10.5	11.0	11.6	12.1	12.1	12.2	12.2	12.3	12.3	12.3
-90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.4	0.9



REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.9	8.9	9.8	10.6	9.8	8.9	8.9	8.9	8.9	8.9	8.9
87.5°	0.5	0.0	0.9	1.8	0.9	0.0	0.5	0.9	1.4	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	2.6	3.5	2.6	1.8	1.8	1.8	1.8	1.8	2.2
75°	3.4	3.5	3.5	3.5	3.5	3.5	3.4	3.3	3.3	3.2	3.6
72.5°	8.6	8.8	8.9	8.9	8.9	8.8	8.6	8.3	8.0	7.8	8.1
70°	11.7	12.2	12.4	12.4	12.4	12.2	11.7	11.1	10.5	10.7	12.0
67.5°	14.0	14.1	14.2	14.2	14.2	14.1	14.0	13.8	13.5	13.7	15.0
65°	12.6	12.5	11.6	10.6	11.6	12.5	12.6	12.7	12.9	13.8	15.5
62.5°	10.3	10.6	10.6	10.6	10.6	10.6	10.3	10.1	10.0	11.3	13.2
60°	9.0	9.0	8.9	8.9	8.9	9.0	9.0	9.0	8.9	9.6	10.8
57.5°	8.9	8.9	9.6	10.6	9.6	8.9	8.9	8.9	8.9	9.1	9.5
55°	9.8	10.3	10.6	10.6	10.6	10.3	9.8	9.3	8.9	9.1	9.2
52.5°	11.2	10.8	10.6	10.6	10.6	10.8	11.2	11.3	11.0	10.7	10.5
50°	13.0	12.5	12.4	12.4	12.4	12.5	13.0	13.3	13.5	13.3	12.8
47.5°	17.0	16.2	15.8	15.9	15.8	16.2	17.0	17.4	17.5	17.1	16.0
45°	27.9	28.0	28.0	28.3	28.0	28.0	27.9	27.3	36.0	36.8	24.0
42.5°	65.7	56.8	49.1	49.6	49.1	56.8	65.7	68.4	99.7	113.5	109.8
40°	168.2	125.9	83.6	70.8	83.6	125.9	168.2	186.7	185.3	236.8	237.4
37.5°	173.3	176.8	208.0	279.8	208.0	176.8	173.3	191.8	189.1	158.7	185.2
35°	242.1	245.9	237.2	232.0	237.2	245.9	242.1	237.3	221.5	185.1	217.1
32.5°	514.9	537.7	534.8	520.7	534.8	537.7	514.9	506.9	466.8	430.4	420.6
30°	1108.9	1166.9	1160.7	1172.4	1160.7	1166.9	1108.9	1061.6	934.8	883.0	799.6
27.5°	1990.2	2061.9	2075.0	2059.6	2075.0	2061.9	1990.2	1924.7	1759.6	1645.0	1405.5
25°	3950.6	4063.9	4022.5	3968.7	4022.5	4063.9	3950.6	3544.0	2938.7	2778.2	2463.7
22.5°	10018.9	10467.5	10421.3	10043.0	10421.3	10467.5	10018.9	8141.9	6536.4	5191.5	4255.5
20°	27525.9	30487.8	31776.8	30029.9	31776.8	30487.8	27525.9	20711.1	16863.3	11200.0	8484.8
17.5°	58262.3	67286.8	73703.3	76380.8	73703.3	67286.8	58262.3	46596.9	36124.4	25153.6	16172.8
15°	95302.3	108886.8	116787.3	115725.9	116787.3	108886.8	95302.3	78857.0	61267.8	44550.6	27428.1
12.5°	137040.0	153141.0	166484.4	166767.2	166484.4	153141.0	137040.0	115281.3	88986.2	64099.6	41527.8
10°	177411.0	199757.7	217969.8	221499.1	217969.8	199757.7	177411.0	147005.9	117779.7	85287.8	54947.5
7.5°	207698.4	241955.5	264816.9	273193.8	264816.9	241955.5	207698.4	174681.8	137873.4	101278.3	68049.4
5°	237629.6	273525.6	296820.0	300952.5	296820.0	273525.6	237629.6	190537.7	150923.3	113339.5	76443.4
2.5°	257817.7	294027.1	314411.7	328550.9	314411.7	294027.1	257817.7	206360.5	162192.7	121381.2	82456.1
0°	269643.1	299146.1	332876.4	348548.4	332876.4	299146.1	269643.1	213928.3	167858.9	126626.1	85901.4
-2.5°	260702.1	293892.3	313203.5	331012.5	313203.5	293892.3	260702.1	210545.8	164121.1	123891.1	83504.4
-5°	231090.4	267186.7	284247.2	286473.3	284247.2	267186.7	231090.4	188094.7	150763.0	114591.8	77314.9
-7.5°	188828.1	222436.4	238816.4	247858.7	238816.4	222436.4	188828.1	157920.3	128835.8	97390.0	65736.1
-10°	152858.2	172471.5	183498.2	184224.3	183498.2	172471.5	152858.2	130275.5	105730.8	78735.9	51546.9
-12.5°	118014.6	131170.5	137692.1	137453.6	137692.1	131170.5	118014.6	100697.2	78402.9	58038.5	39238.2
-15°	86601.2	96821.9	102704.6	105525.3	102704.6	96821.9	86601.2	72129.7	55695.5	39730.8	26249.6
-17.5°	61126.0	69245.4	75139.9	77521.3	75139.9	69245.4	61126.0	49574.5	38720.6	26772.1	18097.9
-20°	41671.5	47236.2	51060.4	52683.8	51060.4	47236.2	41671.5	33884.8	26517.4	18772.9	13064.9



REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	27448.5	31179.1	33801.1	33660.3	33801.1	31179.1	27448.5	22822.3	17700.4	13133.4	9538.7
-25°	17498.0	19549.2	20896.0	21005.2	20896.0	19549.2	17498.0	14633.0	11489.0	9458.5	7543.5
-27.5°	11581.4	12483.1	13026.6	13120.9	13026.6	12483.1	11581.4	10163.7	8548.4	7566.8	6552.8
-30°	8765.6	9180.5	9491.1	9478.1	9491.1	9180.5	8765.6	8063.5	7321.0	6627.2	5971.1
-32.5°	7287.1	7491.3	7627.3	7737.3	7627.3	7491.3	7287.1	6903.4	6452.3	6012.8	5593.4
-35°	6372.6	6476.6	6552.5	6621.6	6552.5	6476.6	6372.6	6178.3	5895.1	5597.9	5302.0
-37.5°	5853.5	5925.5	5973.2	5989.3	5973.2	5925.5	5853.5	5728.1	5510.2	5286.8	5027.3
-40°	5448.2	5488.8	5512.8	5527.1	5512.8	5488.8	5448.2	5377.4	5192.4	4986.3	4696.9
-42.5°	5144.0	5199.6	5228.3	5227.8	5228.3	5199.6	5144.0	5065.6	4845.4	4559.0	4161.1
-45°	4740.8	4881.5	4966.7	5002.9	4966.7	4881.5	4740.8	4546.2	4206.8	3787.6	3319.2
-47.5°	3812.5	4079.5	4266.9	4365.4	4266.9	4079.5	3812.5	3499.2	3116.8	2697.4	2286.4
-50°	2483.3	2572.6	2610.1	2594.4	2610.1	2572.6	2483.3	2390.7	2287.6	2165.4	2045.6
-52.5°	2157.2	2189.3	2208.7	2217.2	2208.7	2189.3	2157.2	2119.7	2069.1	1983.0	1893.7
-55°	1969.8	2005.4	2028.3	2040.1	2028.3	2005.4	1969.8	1927.3	1876.9	1786.7	1692.2
-57.5°	1704.2	1732.9	1750.4	1758.5	1750.4	1732.9	1704.2	1668.0	1624.6	1547.5	1464.7
-60°	1431.4	1454.9	1470.4	1478.7	1470.4	1454.9	1431.4	1402.4	1368.3	1312.3	1247.9
-62.5°	1185.5	1202.9	1218.2	1229.0	1218.2	1202.9	1185.5	1162.6	1134.3	1088.2	1031.3
-65°	942.9	958.3	969.5	975.8	969.5	958.3	942.9	922.7	897.8	860.3	812.1
-67.5°	708.6	721.2	731.7	738.5	731.7	721.2	708.6	692.3	672.3	644.2	607.8
-70°	494.1	503.4	512.5	518.9	512.5	503.4	494.1	481.8	466.6	446.5	419.7
-72.5°	297.5	303.3	306.1	306.4	306.1	303.3	297.5	289.5	279.4	265.8	246.5
-75°	132.8	133.1	135.9	138.1	135.9	133.1	132.8	131.5	129.2	125.0	117.0
-77.5°	64.0	65.0	66.3	67.3	66.3	65.0	64.0	62.7	61.2	59.3	56.3
-80°	39.8	40.5	40.7	40.7	40.7	40.5	39.8	39.1	38.2	37.3	36.2
-82.5°	27.6	28.2	28.3	28.3	28.3	28.2	27.6	27.0	26.3	25.7	24.9
-85°	17.6	17.7	17.7	17.7	17.7	17.7	17.6	17.5	17.4	17.3	16.8
-87.5°	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.3	12.3	12.3	12.2
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.4	1.8	1.8



REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	8.9	8.9	8.9	8.5	8.0	7.6	7.1	7.1	7.1	7.1	7.1
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.1	2.1	2.0
80°	1.8	1.8	1.8	2.1	2.2	2.3	2.3	2.6	2.8	3.1	3.2
77.5°	2.4	2.6	2.8	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.4
75°	3.9	4.1	4.5	5.0	5.3	5.2	5.1	5.0	5.0	5.1	5.2
72.5°	8.2	8.1	8.4	8.9	9.0	9.3	9.4	8.8	7.8	6.3	5.3
70°	13.0	13.8	15.2	17.1	18.2	18.6	18.1	16.7	14.3	12.6	10.1
67.5°	16.3	17.6	20.3	23.5	25.6	27.2	28.5	28.8	27.5	24.8	17.9
65°	17.2	18.9	21.4	23.9	27.0	30.8	36.3	39.1	39.3	37.3	28.9
62.5°	15.3	17.4	19.4	21.8	24.6	28.8	35.0	40.8	46.2	47.7	38.7
60°	12.4	14.3	15.8	17.9	20.6	26.0	32.9	39.6	46.0	46.3	43.5
57.5°	10.1	11.3	13.0	14.4	15.6	20.4	28.0	37.3	45.0	43.5	41.8
55°	9.0	9.9	11.4	12.9	14.5	17.3	21.6	28.5	36.8	39.7	38.2
52.5°	10.5	10.7	11.1	11.8	13.3	15.3	17.8	22.6	26.8	30.7	33.2
50°	12.2	12.2	12.2	12.2	13.3	14.2	15.9	18.6	21.5	24.6	27.1
47.5°	15.8	15.8	14.5	14.1	16.2	15.4	16.1	17.2	20.0	20.9	23.5
45°	26.4	26.1	21.4	22.6	24.6	24.5	20.3	22.0	22.3	22.5	21.3
42.5°	85.9	59.5	45.3	40.9	38.7	38.6	36.1	33.6	31.2	27.7	27.9
40°	164.7	140.4	108.2	73.0	60.8	56.4	58.4	50.9	45.9	39.9	41.5
37.5°	180.2	128.0	148.0	136.6	99.7	92.9	95.0	81.4	63.6	74.3	72.5
35°	194.5	181.2	202.7	200.7	161.7	185.5	163.6	132.3	116.8	133.4	120.2
32.5°	365.7	377.3	357.6	337.5	340.5	336.8	298.2	223.7	225.9	224.8	197.7
30°	715.8	696.6	638.1	604.7	615.7	558.9	484.6	471.0	414.7	340.3	296.7
27.5°	1346.8	1157.0	1061.3	1080.3	998.4	881.9	844.4	819.8	669.8	530.6	423.4
25°	2316.2	2007.8	1847.6	1764.3	1569.7	1403.7	1337.1	1245.8	1052.6	776.4	589.2
22.5°	3679.4	3336.6	3018.0	2642.8	2381.4	2173.2	1947.6	1730.4	1501.7	1131.0	840.6
20°	5928.4	5041.7	4442.4	3820.5	3337.5	3022.7	2644.6	2273.3	1958.3	1578.1	1129.9
17.5°	10458.5	7404.2	5904.1	4985.5	4344.1	3904.2	3304.0	2756.7	2395.9	2054.4	1439.5
15°	16133.1	10554.1	7618.6	6215.5	5247.4	4432.0	3818.6	3188.5	2816.2	2490.1	1812.8
12.5°	24513.5	14482.3	9205.8	7107.3	5795.9	4902.2	4253.4	3639.5	3156.5	2715.0	2079.1
10°	32148.0	19107.1	11610.6	8123.4	6391.4	5321.1	4533.2	3812.8	3249.2	2833.9	2301.0
7.5°	41228.6	23931.5	13996.7	9006.4	6899.6	5543.9	4582.4	3836.4	3304.0	2918.4	2480.2
5°	46459.6	27421.3	15635.9	9700.0	7329.1	5751.3	4602.1	3794.4	3325.9	2973.2	2618.4
2.5°	49482.6	29502.3	16581.6	10185.3	7644.3	5955.0	4654.6	3800.6	3352.7	3009.6	2671.6
0°	51226.3	29546.4	16779.7	10267.9	7712.5	6168.2	4763.8	3864.2	3375.4	3031.9	2690.1
-2.5°	49550.5	29551.1	16524.2	10099.2	7655.0	6140.8	4823.0	3932.9	3429.7	3044.7	2682.9
-5°	46221.4	27187.9	15406.4	9590.2	7300.8	5866.6	4721.4	3906.4	3416.3	3026.2	2644.5
-7.5°	40204.2	23524.8	13673.0	8867.4	6797.4	5480.8	4503.0	3770.1	3288.4	2922.3	2524.0
-10°	31457.7	18601.0	11223.4	7818.0	6151.7	5071.8	4248.7	3596.6	3144.2	2807.0	2381.0
-12.5°	23840.9	14044.9	8687.3	6567.4	5414.8	4615.3	3974.3	3409.4	2985.8	2682.6	2219.8
-15°	16003.3	10463.2	7417.0	5799.9	4818.3	4212.3	3739.8	3291.6	2928.4	2587.8	2044.0
-17.5°	12023.0	8013.4	6204.0	5210.0	4461.2	3933.5	3582.1	3232.6	2897.3	2512.4	1881.0
-20°	8877.9	6915.9	5640.2	4807.7	4218.2	3799.4	3469.0	3180.5	2847.8	2327.8	1683.1



REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7506.6	6254.3	5257.4	4513.9	4039.5	3685.6	3388.3	3113.9	2776.3	2084.1	1464.4
-25°	6545.8	5680.2	4966.9	4455.9	3945.8	3555.5	3308.8	3024.3	2501.3	1810.1	1259.9
-27.5°	5864.7	5250.2	4896.1	4435.7	3959.3	3523.1	3218.0	2883.5	2188.8	1557.6	1239.1
-30°	5445.2	5101.5	4788.6	4433.9	3975.9	3542.0	3151.8	2517.9	1869.9	1343.0	1223.9
-32.5°	5228.5	4924.1	4633.3	4339.9	3929.3	3484.0	2822.4	2126.0	1511.4	1318.1	1197.1
-35°	5006.4	4689.0	4395.7	4098.3	3776.5	3085.5	2381.0	1708.0	1408.1	1281.6	1161.3
-37.5°	4723.9	4385.5	4086.9	3745.4	3183.1	2530.3	1839.9	1512.6	1364.9	1234.3	1104.7
-40°	4360.8	4041.9	3568.6	3071.8	2479.9	1848.5	1607.3	1460.5	1322.1	1171.7	1036.0
-42.5°	3740.7	3308.0	2821.6	2273.0	1819.1	1679.2	1543.3	1411.7	1265.2	1106.3	964.3
-45°	2866.5	2416.6	1990.2	1856.5	1722.6	1602.7	1487.8	1340.4	1184.7	1032.9	890.5
-47.5°	2106.1	1980.7	1859.4	1753.0	1642.3	1524.2	1385.0	1243.3	1091.9	950.6	830.3
-50°	1938.0	1842.7	1749.6	1651.1	1520.1	1388.5	1258.1	1127.4	994.9	877.2	763.8
-52.5°	1798.9	1694.2	1587.1	1476.8	1361.2	1239.7	1119.7	1016.5	907.4	795.4	690.4
-55°	1594.1	1496.8	1398.8	1298.2	1199.1	1103.4	1007.4	908.3	806.2	703.9	607.3
-57.5°	1380.2	1296.9	1217.2	1139.2	1063.7	972.1	876.4	783.8	694.5	602.8	518.3
-60°	1180.9	1112.7	1042.0	969.8	896.5	817.1	734.1	652.8	573.8	506.1	439.1
-62.5°	970.7	906.9	847.4	786.7	724.4	658.5	591.0	531.4	473.7	415.4	351.4
-65°	760.6	706.3	655.3	611.1	566.2	520.4	468.9	416.3	364.5	314.2	258.0
-67.5°	570.1	531.5	495.1	458.3	418.4	376.4	332.0	288.9	251.9	215.6	171.8
-70°	390.4	358.5	326.6	294.4	264.8	237.2	209.2	180.1	149.7	126.1	102.5
-72.5°	225.9	204.0	182.6	162.5	141.6	127.5	114.0	98.8	82.2	64.2	50.9
-75°	108.3	98.8	89.3	80.7	71.0	60.2	54.2	50.1	45.9	41.8	37.6
-77.5°	53.2	50.2	47.4	45.2	42.8	40.1	37.1	34.4	32.6	30.9	29.3
-80°	35.0	33.8	32.5	31.3	30.1	28.8	27.7	26.5	25.4	24.3	23.1
-82.5°	24.1	23.2	22.3	21.8	21.2	20.6	20.0	19.3	18.5	17.8	16.9
-85°	16.3	15.7	15.2	15.0	14.7	14.4	14.0	13.7	13.4	13.1	12.8
-87.5°	12.2	12.1	12.1	11.6	11.0	10.5	10.0	9.9	9.8	9.7	9.6
-90°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
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°	1.8	1.8	1.8	1.8	2.2	2.7	3.1	3.5	3.5	3.5	3.5
85°	2.0	2.0	2.1	2.1	2.3	2.7	3.1	3.5	3.5	3.5	3.5
82.5°	2.3	2.6	2.9	3.0	3.0	3.1	3.3	3.5	3.6	3.5	3.5
80°	3.1	3.2	3.3	3.5	3.5	3.5	3.4	3.5	3.8	3.8	3.8
77.5°	3.9	3.7	3.5	3.5	3.5	3.5	3.5	3.6	4.0	4.2	4.2
75°	4.7	4.1	3.7	3.6	3.6	3.5	3.5	3.6	4.1	4.5	4.6
72.5°	5.1	4.7	4.1	3.7	4.0	4.0	3.8	3.7	4.1	4.6	5.0
70°	7.6	5.7	5.0	4.6	4.5	4.6	4.5	4.2	4.2	4.6	5.0
67.5°	11.6	8.8	6.8	5.5	5.0	5.0	5.2	4.9	4.6	4.7	5.1
65°	20.8	13.9	8.7	6.9	5.7	5.2	5.3	5.3	5.0	4.9	5.1
62.5°	29.6	20.7	14.2	9.2	6.5	5.6	5.3	5.5	5.4	5.1	5.2
60°	38.6	28.9	20.1	14.2	8.9	5.7	5.5	5.8	5.7	5.3	5.3
57.5°	39.0	35.8	28.3	19.9	13.2	7.8	5.7	6.1	6.1	5.6	5.3
55°	37.2	35.3	33.8	27.0	18.2	11.4	7.2	6.5	6.5	6.1	5.4
52.5°	33.0	34.8	35.1	32.1	24.3	15.4	10.5	7.0	7.0	6.6	5.9
50°	28.6	33.3	35.9	34.5	29.7	21.2	13.5	9.4	7.6	7.1	6.4
47.5°	26.8	32.3	36.1	37.0	32.9	26.8	18.0	11.7	8.2	7.7	6.9
45°	27.2	31.6	36.4	38.3	36.6	30.8	23.0	13.9	10.0	8.3	7.4
42.5°	29.3	33.2	36.4	40.4	39.0	34.1	27.8	17.9	11.7	8.8	7.9
40°	39.7	37.0	37.9	42.2	41.8	37.3	30.8	22.0	13.2	9.6	8.3
37.5°	53.9	47.2	42.8	48.3	46.2	40.5	33.6	26.0	15.2	10.8	8.8
35°	91.9	63.3	62.8	63.1	54.9	44.3	36.2	29.2	18.8	11.9	9.2
32.5°	140.1	109.1	106.2	88.4	66.9	48.7	39.5	32.1	22.4	12.8	9.6
30°	233.3	209.7	166.1	121.0	85.6	60.1	44.1	35.1	26.0	13.7	10.1
27.5°	386.7	333.9	247.3	176.2	117.1	74.8	50.6	38.2	29.5	15.3	10.8
25°	545.1	477.9	367.8	247.1	153.5	104.4	58.0	41.5	32.3	18.1	11.5
22.5°	698.6	627.6	503.8	327.6	206.8	142.6	74.1	47.3	34.9	20.8	12.1
20°	848.1	780.9	643.0	400.9	269.3	189.2	101.9	53.5	37.4	23.3	12.6
17.5°	1013.1	898.8	721.2	486.9	331.3	236.2	134.0	60.0	39.8	25.7	13.0
15°	1215.8	968.7	796.6	563.4	386.6	283.1	169.3	66.8	42.2	28.0	13.5
12.5°	1397.2	1033.2	870.9	630.3	435.5	329.4	206.7	73.5	44.5	30.5	14.3
10°	1567.6	1092.5	942.6	688.2	478.7	374.7	244.8	81.0	48.1	33.4	15.0
7.5°	1723.2	1146.8	1010.0	737.1	514.0	405.9	268.5	90.3	51.9	36.1	15.8
5°	1850.2	1189.9	1057.0	770.4	531.4	420.9	285.6	99.2	55.5	38.5	16.5
2.5°	1909.9	1219.6	1085.9	795.4	546.1	432.6	298.2	107.6	58.9	40.7	17.1
0°	1941.0	1245.0	1105.1	812.9	557.8	441.0	306.4	115.1	62.0	42.5	17.7
-2.5°	1945.5	1250.7	1110.0	830.7	576.4	453.1	317.3	135.6	77.9	52.3	23.2
-5°	1921.1	1251.4	1106.4	840.7	591.3	461.8	324.4	154.7	93.2	61.4	28.5
-7.5°	1837.7	1232.5	1087.5	841.5	602.0	467.2	328.7	172.4	107.5	69.8	33.5
-10°	1720.1	1199.5	1050.9	827.2	612.0	474.7	332.2	188.2	120.6	77.3	38.0
-12.5°	1576.3	1162.3	1013.3	809.9	619.5	485.0	343.3	204.2	132.2	83.6	41.8
-15°	1407.3	1121.2	976.9	791.1	623.9	493.3	351.1	218.4	142.8	89.2	45.0
-17.5°	1221.5	1076.4	943.8	772.0	625.5	499.9	355.7	229.3	151.7	94.1	47.9
-20°	1180.3	1049.7	914.6	753.8	624.5	505.3	357.0	236.5	158.6	97.5	50.4



REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1164.5	1037.7	895.7	745.6	622.8	509.7	355.3	239.7	163.6	99.0	51.8
-25°	1148.1	1023.2	874.4	733.9	622.6	503.7	354.3	238.7	166.3	98.7	52.1
-27.5°	1128.9	1002.9	847.8	715.5	610.0	494.3	352.0	241.0	166.4	96.5	51.1
-30°	1107.1	968.6	820.9	692.4	592.8	469.1	344.1	240.6	163.5	94.3	48.8
-32.5°	1076.2	928.7	787.5	669.9	564.5	441.6	326.3	237.1	157.8	91.5	47.2
-35°	1023.9	882.9	747.0	642.1	531.4	415.6	307.4	230.5	149.3	86.9	45.1
-37.5°	965.8	830.8	711.4	607.2	497.0	387.2	292.9	215.8	138.1	80.3	42.0
-40°	904.5	780.0	672.2	568.2	462.6	356.3	275.3	197.6	127.6	71.7	37.8
-42.5°	839.9	732.4	628.9	528.0	426.3	333.3	254.3	176.6	114.2	64.4	32.5
-45°	782.8	680.6	582.0	484.5	389.2	307.1	228.0	153.9	98.5	57.1	28.2
-47.5°	721.4	626.0	530.9	437.4	355.8	276.5	198.6	134.0	81.1	48.3	26.3
-50°	658.9	566.8	475.6	393.0	317.7	240.2	168.1	111.8	69.0	37.8	24.1
-52.5°	592.5	502.7	421.8	347.5	272.9	200.5	140.2	88.4	55.9	32.2	21.6
-55°	517.7	440.4	368.3	295.1	223.9	163.8	109.9	72.1	41.7	28.6	18.9
-57.5°	446.7	378.1	306.3	236.9	177.5	125.8	85.3	54.5	34.9	24.8	17.9
-60°	372.9	304.4	238.1	182.4	132.1	92.9	64.0	40.3	30.2	21.3	16.8
-62.5°	288.4	228.4	176.6	128.8	94.0	66.9	44.4	34.5	25.2	19.9	15.7
-65°	207.6	159.6	115.9	88.9	63.5	44.8	37.3	28.4	22.7	18.4	14.6
-67.5°	129.3	102.1	76.8	53.6	43.5	36.7	29.8	25.0	20.7	16.8	13.7
-70°	78.9	56.7	46.4	40.6	34.6	29.1	26.1	22.5	18.7	15.6	12.8
-72.5°	45.9	40.9	36.0	31.2	28.3	25.5	22.9	20.2	17.1	14.4	11.8
-75°	33.5	31.1	28.8	26.5	24.1	21.8	20.1	18.2	15.5	13.1	10.8
-77.5°	27.4	25.5	23.6	21.9	20.3	18.9	17.6	16.2	13.8	11.7	9.7
-80°	21.7	20.4	19.1	17.9	16.8	15.9	15.0	14.1	12.1	10.3	8.7
-82.5°	16.1	15.5	15.0	14.4	13.8	13.2	12.6	11.9	10.4	8.9	7.7
-85°	12.5	12.1	11.7	11.4	11.0	10.6	10.2	9.8	8.7	7.7	6.9
-87.5°	9.5	9.3	9.2	9.1	8.8	8.4	8.0	7.5	7.0	6.5	6.1
-90°	1.8	1.8	1.8	1.8	2.2	2.7	3.1	3.5	3.5	3.5	3.5



REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.3	5.3	5.3	5.3	5.3	4.4	3.5
87.5°	3.5	3.6	3.7	3.7	3.7	3.6	3.5
85°	3.5	3.7	3.8	3.9	3.8	3.7	3.5
82.5°	3.5	3.8	4.0	4.0	4.0	3.7	3.5
80°	3.6	3.9	4.1	4.2	4.1	3.8	3.5
77.5°	4.1	4.1	4.3	4.4	4.3	3.9	3.5
75°	4.5	4.4	4.5	4.6	4.4	4.0	3.5
72.5°	4.9	4.7	4.6	4.8	4.6	4.0	3.5
70°	5.3	4.9	4.8	4.9	4.7	4.1	3.5
67.5°	5.3	5.2	4.9	5.0	4.9	4.2	3.5
65°	5.3	5.3	5.1	5.1	5.0	4.3	3.5
62.5°	5.3	5.3	5.2	5.1	5.2	4.3	3.5
60°	5.3	5.3	5.3	5.2	5.3	4.4	3.5
57.5°	5.4	5.3	5.3	5.2	5.3	4.5	3.5
55°	5.5	5.3	5.3	5.2	5.3	4.5	3.5
52.5°	5.6	5.3	5.3	5.3	5.3	4.6	3.5
50°	5.8	5.5	5.3	5.3	5.3	4.7	3.5
47.5°	6.0	5.7	5.3	5.3	5.3	4.7	3.5
45°	6.5	5.9	5.3	5.3	5.3	4.8	3.5
42.5°	6.9	6.1	5.3	5.3	5.3	4.8	3.5
40°	7.3	6.3	5.4	5.3	5.3	4.9	3.5
37.5°	7.7	6.6	5.6	5.3	5.3	4.9	3.5
35°	8.0	6.8	5.8	5.3	5.3	5.0	3.5
32.5°	8.4	7.2	5.9	5.3	5.3	5.0	3.5
30°	8.7	7.4	6.1	5.3	5.3	5.1	3.5
27.5°	9.1	7.7	6.3	5.3	5.3	5.1	3.5
25°	9.4	8.0	6.4	5.3	5.3	5.1	3.5
22.5°	9.7	8.2	6.5	5.3	5.3	5.2	3.5
20°	9.9	8.3	6.7	5.3	5.3	5.2	3.5
17.5°	10.2	8.5	6.8	5.3	5.3	5.2	3.5
15°	10.5	8.6	6.9	5.3	5.3	5.2	3.5
12.5°	10.9	8.7	6.9	5.3	5.3	5.3	3.5
10°	11.2	8.8	7.0	5.3	5.3	5.3	3.5
7.5°	11.5	8.8	7.0	5.3	5.3	5.3	3.5
5°	11.8	8.9	7.1	5.3	5.3	5.3	3.5
2.5°	12.1	8.9	7.1	5.3	5.3	5.3	3.5
0°	12.4	8.9	7.1	5.3	5.3	5.3	3.5
-2.5°	14.5	9.7	7.4	5.5	5.4	5.3	3.5
-5°	16.5	10.4	7.7	5.8	5.5	5.3	3.5
-7.5°	18.4	11.1	8.0	6.0	5.5	5.3	3.5
-10°	20.1	11.7	8.2	6.2	5.6	5.3	3.5
-12.5°	21.6	12.3	8.5	6.4	5.7	5.3	3.5
-15°	22.8	12.8	8.7	6.6	5.7	5.2	3.5
-17.5°	23.7	13.2	8.9	6.8	5.8	5.2	3.5
-20°	24.6	13.5	9.1	7.0	5.8	5.2	3.5



REPORT NUMBER: P731458 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-3S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	25.4	13.7	9.3	7.1	5.9	5.2	3.5
-25°	25.7	13.9	9.4	7.3	5.9	5.2	3.5
-27.5°	25.3	13.9	9.6	7.4	5.9	5.1	3.5
-30°	24.2	13.9	9.7	7.5	6.0	5.1	3.5
-32.5°	22.5	13.6	9.8	7.5	6.0	5.1	3.5
-35°	21.6	13.2	9.8	7.6	6.0	5.1	3.5
-37.5°	21.1	12.9	9.8	7.6	5.9	5.0	3.5
-40°	20.3	12.9	9.8	7.6	5.9	5.0	3.5
-42.5°	19.3	12.8	9.7	7.5	5.9	5.0	3.5
-45°	18.0	12.6	9.6	7.4	5.8	5.0	3.5
-47.5°	16.4	12.3	9.5	7.3	5.8	4.9	3.5
-50°	15.8	12.0	9.3	7.2	5.7	4.9	3.5
-52.5°	15.3	11.6	9.1	7.1	5.6	4.9	3.5
-55°	14.6	11.3	8.9	6.9	5.5	4.8	3.5
-57.5°	13.9	10.9	8.7	6.8	5.4	4.8	3.5
-60°	13.1	10.5	8.4	6.6	5.3	4.8	3.5
-62.5°	12.5	10.1	8.1	6.4	5.3	4.8	3.5
-65°	11.8	9.6	7.7	6.2	5.3	4.7	3.5
-67.5°	11.1	9.1	7.4	6.0	5.3	4.7	3.5
-70°	10.4	8.6	7.0	5.7	5.3	4.7	3.5
-72.5°	9.6	8.0	6.6	5.6	5.3	4.6	3.5
-75°	8.8	7.4	6.2	5.6	5.3	4.6	3.5
-77.5°	8.0	6.8	6.0	5.6	5.3	4.6	3.5
-80°	7.2	6.4	5.9	5.5	5.3	4.5	3.5
-82.5°	6.7	6.2	5.8	5.5	5.3	4.5	3.5
-85°	6.2	5.9	5.6	5.4	5.3	4.5	3.5
-87.5°	5.8	5.6	5.5	5.4	5.3	4.4	3.5
-90°	3.5	3.5	3.5	3.5	3.5	3.5	3.5

(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

