

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: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-5S-CV5**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-80-5S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

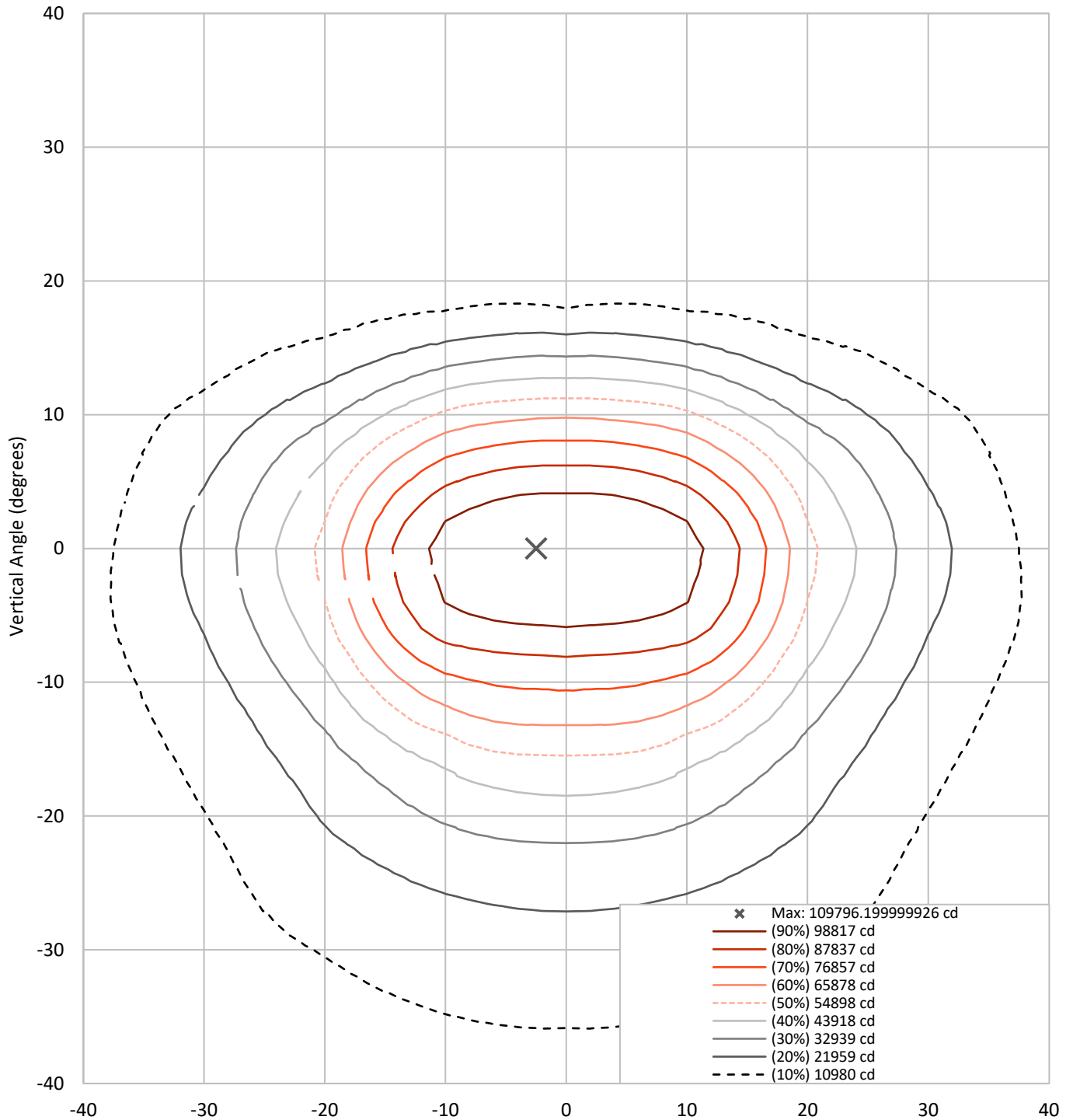
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	43507.4 lumens	Max Intensity:	109796.2 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	77.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	21563.2 lumens	Field Lumens:	39001.1 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

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

REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

Iso-Candela Plot





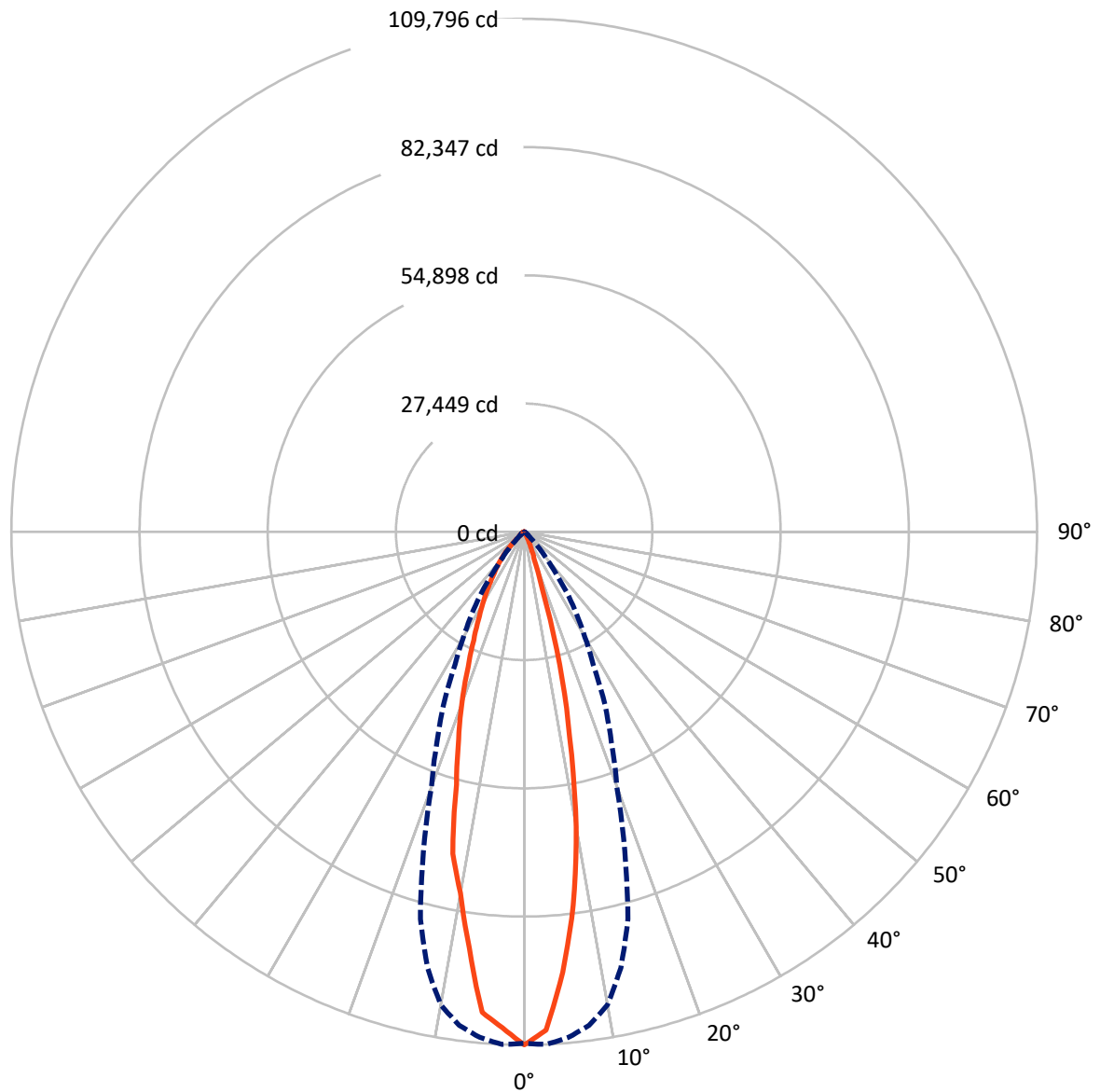
REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

Lumen Table

90																			
80	0.2	0.5		0.7		0.7		0.4		0.7		0.7		0.5		0.2			
70	0.2	0.1	0.2	0.4	0.5	0.4	0.2	0.2	0.2	0.2	0.4	0.5	0.4	0.2	0.1	0.2			
60		0.1	0.2	0.6	0.6	0.3	0.2	0.2	0.2	0.2	0.3	0.6	0.6	0.2	0.1				
50	0.2	0.1	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.1	0.2			
40		0.2	0.4	0.8	1.6	3.6	5.7	7.7	7.7	5.7	3.6	1.6	0.8	0.4	0.2				
30	0.2	0.3	1.2	3.1	14.0	32.1	60.2	85.4	85.4	60.2	32.1	14.0	3.1	1.2	0.3	0.2			
20		0.8	4.3	19.1	110.5	293.7	603.4	893.3	893.3	603.4	293.7	110.5	19.1	4.3	0.8				
10	0.3	1.4	9.2	57.2	323.5	921.5	1980.7	2728.4	2728.4	1980.7	921.5	323.5	57.2	9.2	1.4	0.3			
0		1.9	11.2	70.9	369.4	1008.1	2214.3	2941.5	2941.5	2214.3	1008.1	369.4	70.9	11.2	1.9				
-10	0.3	2.0	10.1	45.4	234.9	605.7	1227.4	1709.0	1709.0	1227.4	605.7	234.9	45.4	10.1	2.0	0.3			
-20		1.9	8.4	21.1	123.6	346.0	604.9	782.8	782.8	604.9	346.0	123.6	21.1	8.4	1.9				
-30	0.3	1.5	6.3	13.8	41.3	157.6	281.1	358.2	358.2	281.1	157.6	41.3	13.8	6.3	1.5	0.3			
-40		0.9	4.0	10.3	18.7	33.9	74.3	109.1	109.1	74.3	33.9	18.7	10.3	4.0	0.9				
-50	0.2	0.5	1.9	5.5	11.0	17.3	22.3	25.1	25.1	22.3	17.3	11.0	5.5	1.9	0.5	0.2			
-60		0.2	0.7	1.9	3.9	6.5	9.2	10.8	10.8	9.2	6.5	3.9	1.9	0.7	0.2				
-70																			
-80	0.2	0.6		2.0		5.2		7.0		5.2		2.0		0.6		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

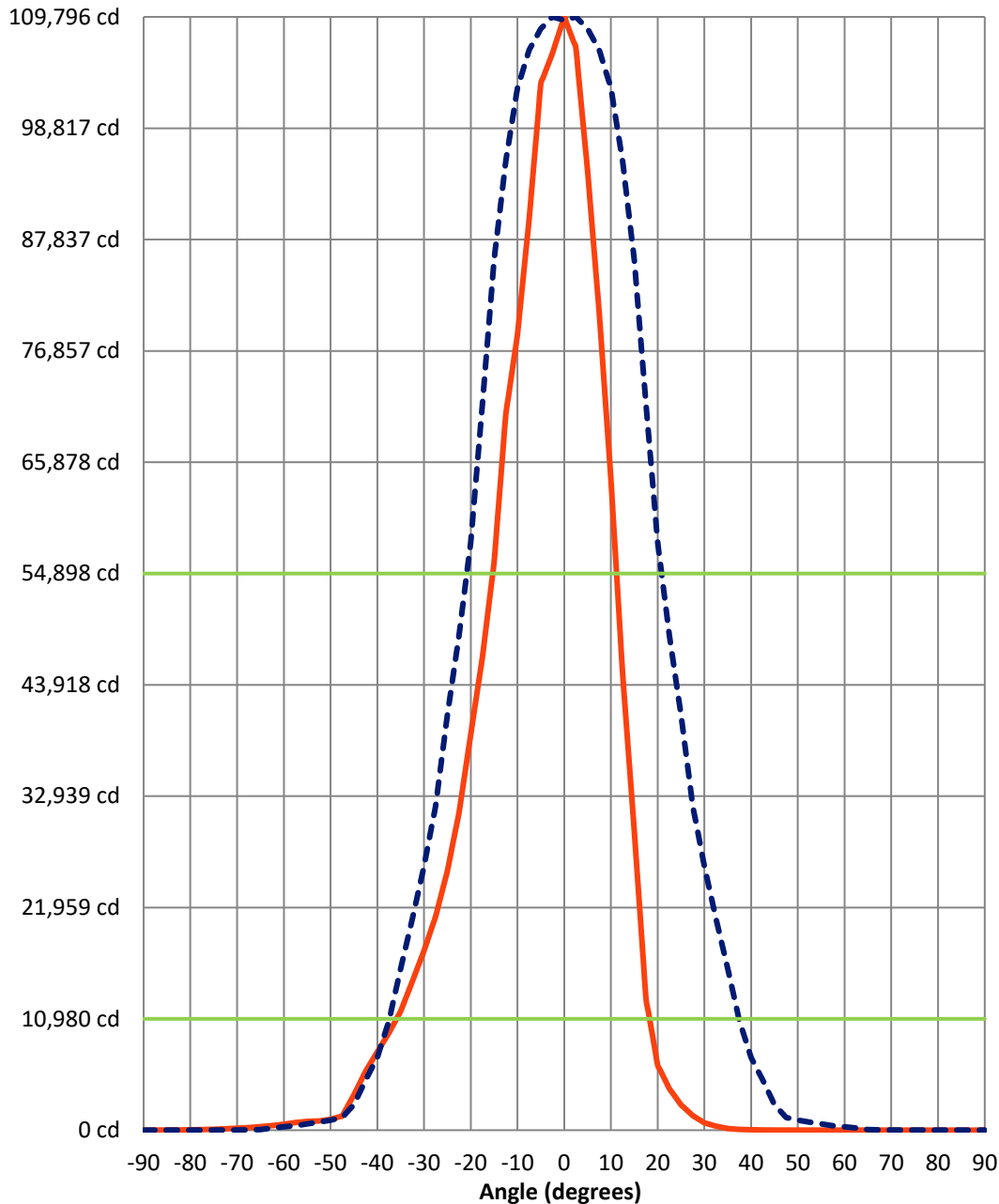
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

Luminous Intensity Plot



Beam:
 H Angle: 41.7°
 V Angle: 26.5°
 Lumens: 21563.2
 Efficiency: 49.6%

Field:
 H Angle: 74.8°
 V Angle: 54.1°
 Lumens: 39001.1
 Efficiency: 89.6%

Spill:
 Lumens: 4506.3
 Efficiency: 10.4%

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



REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	6.7	6.7	6.8	6.9	7.0	7.0	7.1	7.1	7.0	6.9	6.7
85°	6.7	6.8	7.0	7.1	7.3	7.4	7.5	7.4	7.3	7.0	6.7
82.5°	6.7	6.8	7.1	7.3	7.5	7.7	7.9	7.8	7.5	7.3	7.1
80°	6.7	6.8	7.2	7.5	7.8	8.1	8.3	8.0	7.8	7.8	7.8
77.5°	6.7	6.9	7.4	7.7	8.1	8.3	8.3	8.1	8.1	8.2	8.3
75°	6.7	6.9	7.5	7.9	8.3	8.3	8.3	8.2	8.3	8.3	8.3
72.5°	6.7	6.9	7.6	8.1	8.3	8.3	8.3	8.3	8.3	8.3	8.3
70°	6.7	7.0	7.7	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
67.5°	6.7	7.0	7.8	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
65°	6.7	7.0	7.9	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
62.5°	6.7	7.0	8.0	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
60°	6.7	7.0	8.1	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
57.5°	6.7	7.1	8.1	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
55°	6.7	7.1	8.1	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
52.5°	6.7	7.1	8.0	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
50°	6.7	7.1	8.0	8.3	8.3	8.3	8.3	8.4	8.3	8.3	8.8
47.5°	6.7	7.1	8.0	8.3	8.3	8.3	8.3	8.5	8.3	8.3	9.4
45°	6.7	7.1	8.0	8.3	8.3	8.3	8.5	8.7	8.5	8.8	9.9
42.5°	6.7	7.1	8.0	8.3	8.3	8.3	8.6	8.9	8.7	9.2	10.5
40°	6.7	7.1	8.0	8.3	8.3	8.3	8.8	9.1	9.1	9.7	11.1
37.5°	6.7	7.1	8.0	8.3	8.3	8.3	9.0	9.4	9.7	10.4	11.5
35°	6.7	7.1	8.1	8.3	8.3	8.4	9.3	9.7	10.2	11.1	11.9
32.5°	6.7	7.1	8.1	8.3	8.3	8.6	9.5	10.0	10.8	11.9	12.9
30°	6.7	7.0	8.1	8.3	8.3	8.8	9.8	10.4	11.4	12.8	14.1
27.5°	6.7	7.0	8.1	8.3	8.3	9.0	10.1	10.9	12.0	13.6	15.6
25°	6.7	7.0	8.1	8.3	8.3	9.2	10.4	11.3	12.7	14.7	17.2
22.5°	6.7	7.0	8.1	8.3	8.3	9.3	10.7	11.8	13.4	16.0	20.2
20°	6.7	7.0	8.2	8.3	8.3	9.5	11.0	12.2	14.1	17.3	23.6
17.5°	6.7	6.9	8.2	8.3	8.3	9.6	11.2	12.6	14.8	18.8	27.4
15°	6.7	6.9	8.2	8.3	8.3	9.7	11.3	12.9	15.6	20.2	31.3
12.5°	6.7	6.9	8.2	8.3	8.3	9.8	11.5	13.0	16.2	21.7	35.4
10°	6.7	6.8	8.3	8.3	8.3	9.9	11.5	13.1	16.7	23.6	39.9
7.5°	6.7	6.8	8.3	8.3	8.3	9.9	11.6	13.2	17.1	25.7	45.2
5°	6.7	6.8	8.3	8.3	8.3	10.0	11.7	13.3	17.6	27.8	50.5
2.5°	6.7	6.7	8.3	8.3	8.3	10.0	11.7	13.3	18.0	29.8	55.4
0°	6.7	6.7	8.3	8.3	8.3	10.0	11.7	13.3	18.3	31.6	60.0
-2.5°	6.7	6.7	8.3	8.3	8.4	10.2	11.9	14.9	22.8	39.7	73.3
-5°	6.7	6.8	8.3	8.3	8.6	10.3	12.1	16.3	27.1	47.4	85.6
-7.5°	6.7	6.8	8.3	8.3	8.7	10.5	12.3	17.7	31.0	54.5	96.9
-10°	6.7	6.8	8.3	8.3	8.9	10.6	12.4	18.8	34.4	60.8	106.6
-12.5°	6.7	6.9	8.2	8.3	9.0	10.7	12.5	19.7	37.2	66.2	114.1
-15°	6.7	6.9	8.2	8.3	9.1	10.8	12.6	20.3	39.5	70.6	119.7
-17.5°	6.7	6.9	8.2	8.3	9.1	10.9	12.7	21.3	41.5	73.9	123.4
-20°	6.7	7.0	8.2	8.3	9.2	11.0	13.1	22.4	42.7	75.8	125.2



REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.7	7.0	8.1	8.3	9.2	11.0	13.9	23.2	43.1	76.3	124.8
-25°	6.7	7.0	8.1	8.3	9.2	11.0	14.4	23.6	42.5	75.3	122.3
-27.5°	6.7	7.0	8.1	8.3	9.2	11.0	14.6	23.6	41.1	73.4	120.8
-30°	6.7	7.0	8.1	8.3	9.1	11.0	14.5	23.1	40.1	71.5	117.3
-32.5°	6.7	7.1	8.1	8.3	9.0	10.8	14.1	22.9	39.5	68.4	111.6
-35°	6.7	7.1	8.1	8.3	8.9	10.6	13.8	22.5	38.2	63.9	103.7
-37.5°	6.7	7.1	8.0	8.3	8.8	10.4	13.5	21.5	36.3	58.0	93.0
-40°	6.7	7.1	8.0	8.3	8.6	10.2	13.1	20.0	33.8	54.1	82.8
-42.5°	6.7	7.1	8.0	8.3	8.6	10.0	12.6	18.0	31.3	49.2	71.9
-45°	6.7	7.1	8.0	8.4	8.7	9.9	12.0	16.2	28.3	43.6	61.0
-47.5°	6.7	7.1	8.0	8.4	8.7	9.6	11.2	15.3	24.6	37.5	54.1
-50°	6.7	7.1	8.0	8.4	8.8	9.4	10.8	14.2	19.9	32.1	46.5
-52.5°	6.7	7.1	8.0	8.4	8.8	9.2	10.6	12.9	17.2	26.4	38.5
-55°	6.7	7.1	8.1	8.4	8.8	9.2	10.3	11.6	15.4	20.3	31.7
-57.5°	6.7	7.1	8.1	8.4	8.9	9.3	10.0	11.2	13.6	17.3	24.5
-60°	6.7	7.0	8.1	8.4	8.9	9.3	9.7	10.8	12.0	15.2	18.7
-62.5°	6.7	7.0	8.0	8.4	8.9	9.3	9.7	10.4	11.6	13.0	16.2
-65°	6.7	7.0	7.9	8.4	8.8	9.4	9.8	10.1	11.1	12.1	13.7
-67.5°	6.7	7.0	7.8	8.3	8.7	9.3	9.8	10.1	10.6	11.6	12.6
-70°	6.7	7.0	7.7	8.3	8.6	9.1	9.9	10.1	10.5	11.1	12.0
-72.5°	6.7	6.9	7.6	8.1	8.5	8.9	9.5	10.0	10.3	10.7	11.4
-75°	6.7	6.9	7.5	7.9	8.3	8.6	9.2	9.6	10.0	10.3	10.8
-77.5°	6.7	6.9	7.4	7.7	8.1	8.4	8.8	9.1	9.5	9.8	10.2
-80°	6.7	6.8	7.2	7.5	7.8	8.1	8.4	8.6	8.9	9.2	9.5
-82.5°	6.7	6.8	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.5	8.8
-85°	6.7	6.8	7.0	7.1	7.3	7.4	7.5	7.7	7.8	7.9	8.1
-87.5°	6.7	6.7	6.8	6.9	7.0	7.0	7.1	7.2	7.2	7.3	7.4
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7



REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
82.5°	7.2	7.1	7.0	6.7	6.7	6.7	6.7	6.9	7.0	6.9	6.9
80°	7.8	7.6	7.3	7.2	7.4	7.6	7.8	8.0	7.9	7.6	7.2
77.5°	8.1	7.9	7.9	8.1	8.3	8.3	8.3	8.3	8.0	7.6	7.2
75°	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.6	8.7	8.6	8.5
72.5°	8.3	8.3	8.3	8.3	8.3	8.6	9.0	9.6	10.0	9.9	9.8
70°	8.3	8.3	8.3	8.3	8.4	9.0	9.9	10.7	11.3	11.5	12.2
67.5°	8.3	8.3	8.3	8.4	9.0	10.0	10.9	12.5	14.4	15.3	16.4
65°	8.3	8.3	8.5	9.1	9.9	11.1	12.9	15.1	19.5	22.0	23.0
62.5°	8.3	8.4	8.9	9.7	10.8	12.3	15.6	20.4	26.6	30.3	29.9
60°	8.3	8.5	9.4	10.5	11.8	14.3	18.9	25.4	33.8	39.9	36.0
57.5°	8.3	8.9	10.1	11.5	13.4	15.7	21.7	29.7	38.1	47.2	40.3
55°	8.5	9.5	11.0	13.1	15.0	17.0	22.7	29.9	39.3	44.3	37.6
52.5°	9.2	10.3	12.4	14.4	16.3	17.6	20.3	27.1	32.1	35.7	32.1
50°	9.8	11.6	13.6	15.3	16.6	16.6	15.9	21.1	25.1	26.4	26.0
47.5°	10.7	12.7	14.2	15.7	16.0	15.6	14.0	16.5	19.3	20.6	19.7
45°	11.6	13.3	14.8	15.3	15.6	15.0	14.4	13.7	16.7	17.4	16.6
42.5°	12.3	13.8	14.9	15.1	15.7	16.0	15.9	15.4	15.8	16.3	16.0
40°	12.7	14.2	15.2	16.5	16.8	18.2	19.3	19.1	16.3	18.0	18.3
37.5°	13.1	14.7	16.5	19.9	19.4	21.8	23.6	26.0	23.7	22.2	24.9
35°	13.4	15.4	21.0	25.0	25.2	26.7	32.5	35.3	33.5	31.7	35.0
32.5°	13.9	16.3	26.8	31.1	33.5	35.8	44.1	45.6	47.1	48.0	50.6
30°	15.4	21.6	33.6	37.9	43.1	52.1	56.5	57.8	63.9	72.1	94.3
27.5°	18.6	28.7	40.0	46.7	55.0	70.3	76.1	76.8	86.9	108.2	161.7
25°	22.4	45.4	46.8	56.8	72.2	90.6	102.5	113.9	117.7	182.0	309.4
22.5°	31.4	66.8	74.4	67.6	90.6	114.2	139.5	171.7	220.6	294.6	483.6
20°	47.3	90.4	108.7	113.5	119.2	141.1	182.5	247.4	400.0	663.3	914.5
17.5°	65.5	117.5	147.2	171.3	198.4	207.3	234.2	337.8	626.3	1189.0	1847.3
15°	85.6	147.5	188.7	236.0	286.1	324.7	381.0	542.8	1008.2	1915.1	3045.6
12.5°	106.9	179.5	232.5	306.1	380.3	449.2	554.8	901.0	1683.7	2941.7	4656.5
10°	128.7	212.9	277.8	379.8	478.9	578.7	735.0	1310.8	2482.5	4035.7	6124.1
7.5°	152.6	245.7	323.0	455.3	580.1	710.9	918.1	1751.7	3309.7	5046.2	7395.5
5°	175.9	276.3	363.1	515.8	662.9	825.6	1084.3	2198.8	4130.6	5968.1	8548.1
2.5°	197.5	305.0	401.6	570.8	731.0	909.5	1175.6	2383.2	4603.1	6648.4	9684.3
0°	216.5	331.4	438.0	621.2	794.4	987.6	1255.8	2516.6	4928.2	7170.0	10792.5
-2.5°	224.7	341.5	456.1	636.5	791.8	975.2	1256.2	2560.9	5206.8	7789.6	11352.2
-5°	229.8	348.6	470.5	646.6	785.5	956.7	1244.0	2541.3	5252.6	7932.8	11131.1
-7.5°	231.9	352.7	480.8	648.7	769.4	920.2	1188.4	2355.7	4754.7	7275.9	10094.4
-10°	231.3	351.6	476.6	628.5	740.2	871.5	1114.0	2111.1	4178.3	6534.4	8992.4
-12.5°	227.1	346.0	467.2	606.3	711.7	820.3	1028.6	1810.0	3546.5	5730.7	7937.6
-15°	221.2	338.0	454.8	583.1	685.3	767.7	932.4	1454.5	2888.1	5009.8	7090.6
-17.5°	213.8	328.0	439.4	559.9	662.1	714.6	829.5	1098.7	2299.1	4237.5	6237.8
-20°	205.3	316.2	421.2	537.5	640.8	679.7	774.9	990.6	1817.9	3376.9	5312.0



REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	196.1	302.5	402.2	514.0	609.8	661.6	726.9	876.2	1296.3	2434.8	4312.3
-25°	190.4	288.0	383.8	483.1	579.0	644.2	677.8	766.4	980.1	1837.2	3257.6
-27.5°	186.7	273.7	358.8	449.8	548.5	622.8	650.4	711.3	861.4	1217.4	2266.1
-30°	180.1	251.8	331.7	415.9	511.3	588.6	633.1	668.8	759.4	954.3	1554.3
-32.5°	166.7	228.4	304.5	384.1	470.2	556.0	620.0	654.5	713.1	813.9	1015.4
-35°	150.8	209.0	276.7	350.3	427.7	515.9	591.1	648.1	675.8	745.3	874.4
-37.5°	136.2	188.3	247.5	316.4	389.1	470.3	558.1	622.4	668.3	700.2	792.3
-40°	120.1	166.3	221.9	283.5	350.1	424.6	506.0	585.5	646.7	699.7	740.7
-42.5°	103.3	147.0	196.5	249.5	312.3	379.6	451.5	530.8	609.6	681.3	736.6
-45°	90.4	126.3	170.5	219.9	273.4	334.0	400.2	469.4	551.5	634.0	705.8
-47.5°	76.7	106.0	146.0	188.4	236.4	289.7	347.7	412.7	482.2	561.8	646.0
-50°	63.7	90.1	119.5	158.5	200.1	246.3	297.6	354.7	417.0	483.1	556.3
-52.5°	54.5	73.4	99.0	128.6	165.4	205.0	249.6	298.7	352.6	409.0	468.4
-55°	44.5	60.7	79.3	103.6	131.9	166.2	203.7	246.5	289.7	339.8	385.3
-57.5°	35.6	48.7	63.4	81.0	104.0	129.0	162.0	196.1	234.8	274.0	307.5
-60°	27.1	37.8	50.2	63.6	78.4	100.0	122.1	150.5	182.0	211.9	240.7
-62.5°	19.5	28.2	38.2	49.1	61.2	73.7	91.8	111.9	131.8	157.0	180.3
-65°	16.7	20.0	27.3	36.4	45.7	57.4	68.8	79.7	96.5	112.9	128.1
-67.5°	13.8	16.5	19.6	24.3	32.7	42.2	51.7	61.9	71.6	80.0	89.5
-70°	12.7	13.2	15.3	18.3	22.0	27.9	36.4	44.9	53.2	61.3	68.8
-72.5°	12.0	12.4	12.9	13.3	16.2	20.3	24.7	29.3	35.2	41.6	48.3
-75°	11.3	11.7	12.0	12.4	13.3	14.8	16.9	20.6	24.3	27.6	30.6
-77.5°	10.5	10.8	11.1	11.4	12.1	13.0	14.2	15.7	17.5	19.4	21.4
-80°	9.7	10.0	10.2	10.5	10.9	11.4	12.0	12.7	13.8	15.2	16.7
-82.5°	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.4	10.8	11.5	12.2
-85°	8.2	8.3	8.4	8.5	8.7	8.8	8.9	9.0	9.1	9.2	9.3
-87.5°	7.4	7.5	7.6	7.6	7.7	7.7	7.8	7.8	7.9	7.9	8.0
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7



REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	6.7	7.1	7.5	7.9	8.3	9.5	10.8	12.0	13.3	12.9	12.5
87.5°	6.7	6.3	5.9	5.4	5.0	4.6	4.2	3.7	3.3	2.9	2.5
85°	6.7	6.6	6.5	6.4	6.4	6.0	5.7	5.3	4.9	4.1	3.3
82.5°	6.7	6.7	6.7	6.7	6.7	6.3	5.9	5.4	5.0	4.2	3.4
80°	6.8	6.7	6.7	6.7	6.7	6.3	5.9	5.5	5.0	4.2	3.4
77.5°	6.9	7.0	7.0	6.9	6.7	6.4	5.9	5.5	5.1	4.3	3.4
75°	8.3	8.1	7.8	7.4	6.9	6.4	6.0	5.5	5.1	4.6	4.1
72.5°	9.7	9.4	8.9	8.6	8.2	7.8	7.5	7.0	6.5	6.1	5.7
70°	12.8	13.1	12.8	12.2	11.2	10.2	9.6	8.9	8.2	7.5	6.7
67.5°	17.3	17.4	16.5	15.2	13.2	11.4	10.5	9.6	8.7	8.2	8.1
65°	22.7	20.7	18.7	16.4	13.9	11.6	10.6	9.7	8.8	8.3	8.3
62.5°	27.6	22.4	18.0	15.3	13.2	11.5	10.3	9.1	8.0	7.2	7.0
60°	29.8	21.2	15.2	13.3	11.6	10.2	9.0	8.0	7.2	6.6	6.2
57.5°	29.8	20.1	12.8	11.1	9.8	8.7	8.0	7.6	7.1	6.7	6.2
55°	27.1	17.9	10.6	9.6	9.1	8.6	8.1	7.7	7.2	6.7	6.2
52.5°	22.1	15.8	11.3	9.7	9.2	8.7	8.2	7.8	7.3	6.8	6.3
50°	19.2	14.4	11.5	9.9	9.4	8.9	8.4	8.2	8.2	7.9	7.5
47.5°	16.6	13.2	11.4	10.1	9.9	10.5	11.1	11.2	11.0	10.6	10.2
45°	14.6	12.7	11.8	12.3	12.9	13.9	14.5	14.6	14.5	14.6	14.5
42.5°	14.4	14.5	15.5	17.2	17.0	19.2	20.3	17.9	20.5	21.9	20.7
40°	19.2	19.6	24.2	28.0	31.4	32.0	37.4	38.2	38.9	41.2	41.6
37.5°	28.1	32.9	47.2	57.9	62.4	62.7	70.6	72.2	69.9	79.5	82.3
35°	43.0	65.2	88.2	101.5	109.0	114.6	125.3	137.6	131.8	153.0	160.3
32.5°	77.1	117.8	159.6	158.1	172.3	210.2	224.4	246.7	270.1	305.7	344.8
30°	129.7	239.6	288.0	270.4	310.4	364.6	365.0	427.2	514.1	587.8	698.8
27.5°	292.2	415.2	478.6	507.0	537.3	605.8	690.6	769.9	990.8	1141.8	1300.5
25°	496.1	665.9	733.7	839.1	934.8	998.3	1254.9	1442.2	1759.7	1990.1	2228.6
22.5°	799.9	1024.4	1165.0	1260.3	1582.6	1869.2	2143.3	2551.1	2866.4	3261.8	3559.6
20°	1180.3	1483.5	1999.8	2405.0	2607.5	3216.1	3711.9	4133.4	4692.7	5182.9	5618.9
17.5°	2227.2	2397.6	3476.4	4532.1	4958.8	5745.8	7171.3	7709.2	9319.3	10498.2	11134.8
15°	4032.8	4856.5	5992.8	7752.8	9705.3	11247.7	12599.0	15366.2	18438.2	21161.4	24028.6
12.5°	6377.0	7988.0	9900.3	12053.3	15571.2	18362.7	21352.7	25307.4	30270.0	34589.2	39670.3
10°	8725.4	11447.5	14090.9	17445.9	21889.5	26199.5	30506.1	36769.7	44059.4	51058.3	57109.7
7.5°	10667.2	14357.5	17939.8	22578.0	28630.5	34635.5	40654.6	48939.1	58580.1	66567.9	73434.9
5°	12643.5	17265.1	21467.3	26816.4	33939.9	41253.6	48786.1	59116.0	70503.7	79548.7	86633.7
2.5°	14458.3	19695.2	24559.0	30523.5	38456.2	45612.0	54186.3	66867.7	80437.0	90194.6	98005.2
0°	15923.9	20832.2	26028.6	32031.1	40938.2	48826.1	58014.7	71613.6	85812.1	95561.1	102768.6
-2.5°	15608.4	20573.0	25431.5	31530.0	40472.2	47734.0	57036.3	70416.3	84444.4	94349.3	100822.8
-5°	14623.5	19017.5	23379.8	29107.3	36970.8	44047.0	53156.9	66910.2	80366.2	90466.7	97915.4
-7.5°	13167.1	16897.9	20854.5	26073.6	32918.4	39687.3	47610.9	58571.7	71130.7	80267.0	85666.0
-10°	11633.8	14722.8	18428.2	22838.7	28487.9	34567.6	41147.9	49928.3	60659.8	68672.0	73793.9
-12.5°	10289.8	12966.1	16271.7	19533.7	24142.8	29557.6	35400.7	42585.9	49667.1	58116.0	62544.2
-15°	9051.8	11282.6	14123.0	17250.6	21080.7	25336.5	29523.3	34903.2	39514.5	44792.1	48626.5
-17.5°	8016.0	9797.6	12314.3	15345.3	18229.3	21894.0	25889.4	29533.6	33432.3	37242.0	40421.8
-20°	7079.8	8549.8	10695.8	13364.4	16205.8	19322.1	22847.8	25814.1	28999.8	31894.8	34381.9



REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6016.0	7506.5	9168.5	11451.8	14297.4	17091.3	19702.0	21943.9	24351.1	26690.5	28456.5
-25°	4908.8	6339.4	7930.5	10085.4	12416.5	14767.3	16616.2	18194.6	20073.7	21759.4	23274.9
-27.5°	3763.9	5289.2	7005.3	8805.2	10832.8	12326.7	13882.7	15310.1	16738.2	17872.4	19152.3
-30°	2616.7	4281.0	5968.9	7672.4	9061.2	10253.8	11414.3	12723.3	14015.4	15093.4	15996.8
-32.5°	1796.9	2997.5	4700.7	6284.9	7472.0	8485.5	9381.8	10498.1	11499.4	12386.6	13177.0
-35°	1079.3	1925.0	3094.6	4600.1	5899.0	6885.1	7798.0	8644.5	9391.9	10139.1	10733.6
-37.5°	924.6	1111.9	1821.3	2822.4	4058.5	5251.8	6189.9	6982.2	7678.6	8254.0	8758.4
-40°	832.6	943.4	1098.5	1440.0	2350.3	3261.6	4285.3	5188.4	5923.0	6463.5	6902.4
-42.5°	778.3	849.3	925.2	1046.9	1182.2	1614.7	2398.0	3146.2	3791.8	4390.5	4904.5
-45°	769.0	799.1	839.9	908.5	971.0	1083.1	1205.5	1325.1	1832.9	2314.2	2709.0
-47.5°	711.4	772.7	810.2	840.9	873.6	926.7	978.4	1033.8	1126.1	1212.9	1287.3
-50°	627.3	693.4	749.9	805.3	834.3	855.8	877.2	904.7	940.8	973.7	1003.9
-52.5°	524.2	587.7	651.3	710.2	756.3	798.7	836.8	854.6	868.2	880.6	890.3
-55°	432.6	482.8	532.8	586.7	640.0	690.6	734.4	763.3	789.4	812.4	832.1
-57.5°	346.3	385.4	426.1	469.9	512.4	553.3	592.3	627.9	659.5	687.0	710.0
-60°	268.3	294.7	328.7	363.4	396.5	427.9	459.5	488.2	514.2	537.0	554.9
-62.5°	201.3	223.2	249.1	273.6	295.3	318.7	348.2	372.9	393.1	409.5	424.0
-65°	144.6	162.9	183.7	204.3	224.4	244.5	265.1	285.0	303.9	319.1	329.7
-67.5°	102.7	115.6	130.2	143.0	158.1	175.6	194.3	211.4	227.0	237.7	244.2
-70°	75.7	83.3	93.9	106.1	118.7	130.4	142.3	154.1	165.8	174.0	180.3
-72.5°	55.2	62.7	70.5	78.4	86.9	95.5	104.2	112.9	121.7	127.2	130.9
-75°	33.4	37.9	44.7	51.3	57.7	63.7	69.3	74.6	79.5	82.1	83.7
-77.5°	24.0	27.1	30.5	33.9	37.4	41.0	44.5	48.0	51.5	53.1	54.2
-80°	18.3	20.1	22.0	24.0	26.0	28.1	30.3	32.5	34.6	35.0	35.1
-82.5°	13.0	14.3	15.6	16.8	18.0	19.2	20.4	21.5	22.6	22.8	23.0
-85°	9.4	10.1	11.0	11.8	12.7	13.6	14.5	15.4	16.3	16.5	16.5
-87.5°	8.0	8.5	8.9	9.4	9.8	10.4	10.8	11.3	11.8	11.7	11.7
-90°	6.7	6.3	5.9	5.4	5.0	4.6	4.2	3.7	3.3	2.9	2.5



REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	12.1	11.7	11.7	11.7	11.7	11.7	12.1	12.5	12.9	13.3	12.0
87.5°	2.1	1.7	0.9	0.0	0.9	1.7	2.1	2.5	2.9	3.3	3.7
85°	2.5	1.7	1.7	1.7	1.7	1.7	2.5	3.3	4.1	4.9	5.3
82.5°	2.5	1.7	1.7	1.7	1.7	1.7	2.5	3.4	4.2	5.0	5.4
80°	2.6	1.7	1.7	1.7	1.7	1.7	2.6	3.4	4.2	5.0	5.5
77.5°	2.6	1.7	1.7	1.7	1.7	1.7	2.6	3.4	4.3	5.1	5.5
75°	3.7	3.3	2.5	1.7	2.5	3.3	3.7	4.1	4.6	5.1	5.5
72.5°	5.4	5.0	5.0	5.0	5.0	5.0	5.4	5.7	6.1	6.5	7.0
70°	5.9	5.1	5.0	5.0	5.0	5.1	5.9	6.7	7.5	8.2	8.9
67.5°	8.1	8.2	7.5	6.7	7.5	8.2	8.1	8.1	8.2	8.7	9.6
65°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.8	9.7
62.5°	6.9	6.8	6.7	6.7	6.7	6.8	6.9	7.0	7.2	8.0	9.1
60°	5.7	5.2	5.0	5.0	5.0	5.2	5.7	6.2	6.6	7.2	8.0
57.5°	5.7	5.2	5.0	5.0	5.0	5.2	5.7	6.2	6.7	7.1	7.6
55°	5.7	5.2	5.0	5.0	5.0	5.2	5.7	6.2	6.7	7.2	7.7
52.5°	5.8	5.2	5.6	6.7	5.6	5.2	5.8	6.3	6.8	7.3	7.8
50°	7.2	6.8	6.7	6.7	6.7	6.8	7.2	7.5	7.9	8.2	8.2
47.5°	9.6	8.7	8.3	8.3	8.3	8.7	9.6	10.2	10.6	11.0	11.2
45°	13.6	12.4	11.6	11.7	11.6	12.4	13.6	14.5	14.6	14.5	14.6
42.5°	20.4	20.0	19.8	20.0	19.8	20.0	20.4	20.7	21.9	20.5	17.9
40°	43.9	44.5	44.4	45.0	44.4	44.5	43.9	41.6	41.2	38.9	38.2
37.5°	82.6	79.9	75.7	76.6	75.7	79.9	82.6	82.3	79.5	69.9	72.2
35°	161.2	165.4	165.1	166.6	165.1	165.4	161.2	160.3	153.0	131.8	137.6
32.5°	373.1	393.0	393.4	401.4	393.4	393.0	373.1	344.8	305.7	270.1	246.7
30°	733.1	748.9	725.1	736.2	725.1	748.9	733.1	698.8	587.8	514.1	427.2
27.5°	1383.1	1441.3	1440.7	1415.7	1440.7	1441.3	1383.1	1300.5	1141.8	990.8	769.9
25°	2429.3	2519.3	2502.7	2473.3	2502.7	2519.3	2429.3	2228.6	1990.1	1759.7	1442.2
22.5°	3830.1	3978.9	4097.9	4020.5	4097.9	3978.9	3830.1	3559.6	3261.8	2866.4	2551.1
20°	6260.4	6302.8	6429.3	6383.9	6429.3	6302.8	6260.4	5618.9	5182.9	4692.7	4133.4
17.5°	12859.8	13321.1	13000.2	12023.3	13000.2	13321.1	12859.8	11134.8	10498.2	9319.3	7709.2
15°	26042.5	27976.1	29477.6	28653.4	29477.6	27976.1	26042.5	24028.6	21161.4	18438.2	15366.2
12.5°	42648.0	44074.8	45029.4	45099.5	45029.4	44074.8	42648.0	39670.3	34589.2	30270.0	25307.4
10°	61213.4	62474.1	64162.9	64400.3	64162.9	62474.1	61213.4	57109.7	51058.3	44059.4	36769.7
7.5°	76842.9	79399.5	80583.2	80424.2	80583.2	79399.5	76842.9	73434.9	66567.9	58580.1	48939.1
5°	90820.8	93469.5	94629.7	94822.5	94629.7	93469.5	90820.8	86633.7	79548.7	70503.7	59116.0
2.5°	102683.8	105357.8	106751.8	106369.5	106751.8	105357.8	102683.8	98005.2	90194.6	80437.0	66867.7
0°	106521.8	108627.9	109796.2	109475.6	109796.2	108627.9	106521.8	102768.6	95561.1	85812.1	71613.6
-2.5°	104082.0	105351.0	106231.6	105891.4	106231.6	105351.0	104082.0	100822.8	94349.3	84444.4	70416.3
-5°	101378.1	102883.9	103213.3	103616.4	103213.3	102883.9	101378.1	97915.4	90466.7	80366.2	66910.2
-7.5°	87719.7	89330.6	89862.5	90668.7	89862.5	89330.6	87719.7	85666.0	80267.0	71130.7	58571.7
-10°	76581.0	78387.7	78474.7	78971.8	78474.7	78387.7	76581.0	73793.9	68672.0	60659.8	49928.3
-12.5°	67250.8	69737.0	70561.9	70364.5	70561.9	69737.0	67250.8	62544.2	58116.0	49667.1	42585.9
-15°	53731.3	55855.1	56006.7	56106.0	56006.7	55855.1	53731.3	48626.5	44792.1	39514.5	34903.2
-17.5°	43795.9	45859.6	46655.2	46902.4	46655.2	45859.6	43795.9	40421.8	37242.0	33432.3	29533.6
-20°	36516.8	38053.3	39025.1	39427.6	39025.1	38053.3	36516.8	34381.9	31894.8	28999.8	25814.1



REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	30000.1	30974.0	31329.2	31418.2	31329.2	30974.0	30000.1	28456.5	26690.5	24351.1	21943.9
-25°	24339.4	25113.0	25562.8	25750.4	25562.8	25113.0	24339.4	23274.9	21759.4	20073.7	18194.6
-27.5°	19982.4	20670.8	21103.7	21170.3	21103.7	20670.8	19982.4	19152.3	17872.4	16738.2	15310.1
-30°	16688.4	17293.0	17697.5	17807.6	17697.5	17293.0	16688.4	15996.8	15093.4	14015.4	12723.3
-32.5°	13828.0	14345.5	14662.9	14799.7	14662.9	14345.5	13828.0	13177.0	12386.6	11499.4	10498.1
-35°	11177.4	11525.2	11728.5	11661.9	11728.5	11525.2	11177.4	10733.6	10139.1	9391.9	8644.5
-37.5°	9163.0	9442.9	9595.2	9603.3	9595.2	9442.9	9163.0	8758.4	8254.0	7678.6	6982.2
-40°	7266.0	7550.3	7721.6	7731.3	7721.6	7550.3	7266.0	6902.4	6463.5	5923.0	5188.4
-42.5°	5313.2	5604.3	5803.1	5932.5	5803.1	5604.3	5313.2	4904.5	4390.5	3791.8	3146.2
-45°	3038.4	3289.9	3481.6	3620.8	3481.6	3289.9	3038.4	2709.0	2314.2	1832.9	1325.1
-47.5°	1342.8	1383.6	1401.4	1395.7	1401.4	1383.6	1342.8	1287.3	1212.9	1126.1	1033.8
-50°	1031.7	1055.8	1067.9	1067.6	1067.9	1055.8	1031.7	1003.9	973.7	940.8	904.7
-52.5°	898.0	904.0	907.6	909.4	907.6	904.0	898.0	890.3	880.6	868.2	854.6
-55°	848.3	861.0	865.8	864.4	865.8	861.0	848.3	832.1	812.4	789.4	763.3
-57.5°	729.6	745.3	755.7	761.1	755.7	745.3	729.6	710.0	687.0	659.5	627.9
-60°	568.4	577.8	583.7	586.3	583.7	577.8	568.4	554.9	537.0	514.2	488.2
-62.5°	436.6	447.3	452.6	454.7	452.6	447.3	436.6	424.0	409.5	393.1	372.9
-65°	339.1	346.9	351.2	353.1	351.2	346.9	339.1	329.7	319.1	303.9	285.0
-67.5°	249.0	252.5	254.3	254.8	254.3	252.5	249.0	244.2	237.7	227.0	211.4
-70°	186.0	191.1	194.3	196.5	194.3	191.1	186.0	180.3	174.0	165.8	154.1
-72.5°	134.1	136.7	138.6	139.9	138.6	136.7	134.1	130.9	127.2	121.7	112.9
-75°	85.0	85.9	86.4	86.6	86.4	85.9	85.0	83.7	82.1	79.5	74.6
-77.5°	55.3	56.2	57.3	58.3	57.3	56.2	55.3	54.2	53.1	51.5	48.0
-80°	35.0	34.8	35.0	35.0	35.0	34.8	35.0	35.1	35.0	34.6	32.5
-82.5°	23.1	23.2	23.3	23.3	23.3	23.2	23.1	23.0	22.8	22.6	21.5
-85°	16.6	16.7	16.7	16.7	16.7	16.7	16.6	16.5	16.5	16.3	15.4
-87.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.8	11.3
-90°	2.1	1.7	0.8	0.0	0.8	1.7	2.1	2.5	2.9	3.3	3.7



REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	10.8	9.5	8.3	7.9	7.5	7.1	6.7	6.7	6.7	6.7	6.7
87.5°	4.2	4.6	5.0	5.4	5.9	6.3	6.7	6.7	6.7	6.7	6.7
85°	5.7	6.0	6.4	6.4	6.5	6.6	6.7	6.7	6.7	6.7	6.7
82.5°	5.9	6.3	6.7	6.7	6.7	6.7	6.7	6.9	6.9	7.0	6.9
80°	5.9	6.3	6.7	6.7	6.7	6.7	6.8	7.2	7.6	7.9	8.0
77.5°	5.9	6.4	6.7	6.9	7.0	7.0	6.9	7.2	7.6	8.0	8.3
75°	6.0	6.4	6.9	7.4	7.8	8.1	8.3	8.5	8.6	8.7	8.6
72.5°	7.5	7.8	8.2	8.6	8.9	9.4	9.7	9.8	9.9	10.0	9.6
70°	9.6	10.2	11.2	12.2	12.8	13.1	12.8	12.2	11.5	11.3	10.7
67.5°	10.5	11.4	13.2	15.2	16.5	17.4	17.3	16.4	15.3	14.4	12.5
65°	10.6	11.6	13.9	16.4	18.7	20.7	22.7	23.0	22.0	19.5	15.1
62.5°	10.3	11.5	13.2	15.3	18.0	22.4	27.6	29.9	30.3	26.6	20.4
60°	9.0	10.2	11.6	13.3	15.2	21.2	29.8	36.0	39.9	33.8	25.4
57.5°	8.0	8.7	9.8	11.1	12.8	20.1	29.8	40.3	47.2	38.1	29.7
55°	8.1	8.6	9.1	9.6	10.6	17.9	27.1	37.6	44.3	39.3	29.9
52.5°	8.2	8.7	9.2	9.7	11.3	15.8	22.1	32.1	35.7	32.1	27.1
50°	8.4	8.9	9.4	9.9	11.5	14.4	19.2	26.0	26.4	25.1	21.1
47.5°	11.1	10.5	9.9	10.1	11.4	13.2	16.6	19.7	20.6	19.3	16.5
45°	14.5	13.9	12.9	12.3	11.8	12.7	14.6	16.6	17.4	16.7	13.7
42.5°	20.3	19.2	17.0	17.2	15.5	14.5	14.4	16.0	16.3	15.8	15.4
40°	37.4	32.0	31.4	28.0	24.2	19.6	19.2	18.3	18.0	16.3	19.1
37.5°	70.6	62.7	62.4	57.9	47.2	32.9	28.1	24.9	22.2	23.7	26.0
35°	125.3	114.6	109.0	101.5	88.2	65.2	43.0	35.0	31.7	33.5	35.3
32.5°	224.4	210.2	172.3	158.1	159.6	117.8	77.1	50.6	48.0	47.1	45.6
30°	365.0	364.6	310.4	270.4	288.0	239.6	129.7	94.3	72.1	63.9	57.8
27.5°	690.6	605.8	537.3	507.0	478.6	415.2	292.2	161.7	108.2	86.9	76.8
25°	1254.9	998.3	934.8	839.1	733.7	665.9	496.1	309.4	182.0	117.7	113.9
22.5°	2143.3	1869.2	1582.6	1260.3	1165.0	1024.4	799.9	483.6	294.6	220.6	171.7
20°	3711.9	3216.1	2607.5	2405.0	1999.8	1483.5	1180.3	914.5	663.3	400.0	247.4
17.5°	7171.3	5745.8	4958.8	4532.1	3476.4	2397.6	2227.2	1847.3	1189.0	626.3	337.8
15°	12599.0	11247.7	9705.3	7752.8	5992.8	4856.5	4032.8	3045.6	1915.1	1008.2	542.8
12.5°	21352.7	18362.7	15571.2	12053.3	9900.3	7988.0	6377.0	4656.5	2941.7	1683.7	901.0
10°	30506.1	26199.5	21889.5	17445.9	14090.9	11447.5	8725.4	6124.1	4035.7	2482.5	1310.8
7.5°	40654.6	34635.5	28630.5	22578.0	17939.8	14357.5	10667.2	7395.5	5046.2	3309.7	1751.7
5°	48786.1	41253.6	33939.9	26816.4	21467.3	17265.1	12643.5	8548.1	5968.1	4130.6	2198.8
2.5°	54186.3	45612.0	38456.2	30523.5	24559.0	19695.2	14458.3	9684.3	6648.4	4603.1	2383.2
0°	58014.7	48826.1	40938.2	32031.1	26028.6	20832.2	15923.9	10792.5	7170.0	4928.2	2516.6
-2.5°	57036.3	47734.0	40472.2	31530.0	25431.5	20573.0	15608.4	11352.2	7789.6	5206.8	2560.9
-5°	53156.9	44047.0	36970.8	29107.3	23379.8	19017.5	14623.5	11131.1	7932.8	5252.6	2541.3
-7.5°	47610.9	39687.3	32918.4	26073.6	20854.5	16897.9	13167.1	10094.4	7275.9	4754.7	2355.7
-10°	41147.9	34567.6	28487.9	22838.7	18428.2	14722.8	11633.8	8992.4	6534.4	4178.3	2111.1
-12.5°	35400.7	29557.6	24142.8	19533.7	16271.7	12966.1	10289.8	7937.6	5730.7	3546.5	1810.0
-15°	29523.3	25336.5	21080.7	17250.6	14123.0	11282.6	9051.8	7090.6	5009.8	2888.1	1454.5
-17.5°	25889.4	21894.0	18229.3	15345.3	12314.3	9797.6	8016.0	6237.8	4237.5	2299.1	1098.7
-20°	22847.8	19322.1	16205.8	13364.4	10695.8	8549.8	7079.8	5312.0	3376.9	1817.9	990.6



REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19702.0	17091.3	14297.4	11451.8	9168.5	7506.5	6016.0	4312.3	2434.8	1296.3	876.2
-25°	16616.2	14767.3	12416.5	10085.4	7930.5	6339.4	4908.8	3257.6	1837.2	980.1	766.4
-27.5°	13882.7	12326.7	10832.8	8805.2	7005.3	5289.2	3763.9	2266.1	1217.4	861.4	711.3
-30°	11414.3	10253.8	9061.2	7672.4	5968.9	4281.0	2616.7	1554.3	954.3	759.4	668.8
-32.5°	9381.8	8485.5	7472.0	6284.9	4700.7	2997.5	1796.9	1015.4	813.9	713.1	654.5
-35°	7798.0	6885.1	5899.0	4600.1	3094.6	1925.0	1079.3	874.4	745.3	675.8	648.1
-37.5°	6189.9	5251.8	4058.5	2822.4	1821.3	1111.9	924.6	792.3	700.2	668.3	622.4
-40°	4285.3	3261.6	2350.3	1440.0	1098.5	943.4	832.6	740.7	699.7	646.7	585.5
-42.5°	2398.0	1614.7	1182.2	1046.9	925.2	849.3	778.3	736.6	681.3	609.6	530.8
-45°	1205.5	1083.1	971.0	908.5	839.9	799.1	769.0	705.8	634.0	551.5	469.4
-47.5°	978.4	926.7	873.6	840.9	810.2	772.7	711.4	646.0	561.8	482.2	412.7
-50°	877.2	855.8	834.3	805.3	749.9	693.4	627.3	556.3	483.1	417.0	354.7
-52.5°	836.8	798.7	756.3	710.2	651.3	587.7	524.2	468.4	409.0	352.6	298.7
-55°	734.4	690.6	640.0	586.7	532.8	482.8	432.6	385.3	339.8	289.7	246.5
-57.5°	592.3	553.3	512.4	469.9	426.1	385.4	346.3	307.5	274.0	234.8	196.1
-60°	459.5	427.9	396.5	363.4	328.7	294.7	268.3	240.7	211.9	182.0	150.5
-62.5°	348.2	318.7	295.3	273.6	249.1	223.2	201.3	180.3	157.0	131.8	111.9
-65°	265.1	244.5	224.4	204.3	183.7	162.9	144.6	128.1	112.9	96.5	79.7
-67.5°	194.3	175.6	158.1	143.0	130.2	115.6	102.7	89.5	80.0	71.6	61.9
-70°	142.3	130.4	118.7	106.1	93.9	83.3	75.7	68.8	61.3	53.2	44.9
-72.5°	104.2	95.5	86.9	78.4	70.5	62.7	55.2	48.3	41.6	35.2	29.3
-75°	69.3	63.7	57.7	51.3	44.7	37.9	33.4	30.6	27.6	24.3	20.6
-77.5°	44.5	41.0	37.4	33.9	30.5	27.1	24.0	21.4	19.4	17.5	15.7
-80°	30.3	28.1	26.0	24.0	22.0	20.1	18.3	16.7	15.2	13.8	12.7
-82.5°	20.4	19.2	18.0	16.8	15.6	14.3	13.0	12.2	11.5	10.8	10.4
-85°	14.5	13.6	12.7	11.8	11.0	10.1	9.4	9.3	9.2	9.1	9.0
-87.5°	10.8	10.4	9.8	9.4	8.9	8.5	8.0	8.0	7.9	7.9	7.8
-90°	4.2	4.6	5.0	5.4	5.9	6.3	6.7	6.7	6.7	6.7	6.7



REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.9	7.0	7.1
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.0	7.3	7.4
82.5°	6.7	6.7	6.7	6.7	7.0	7.1	7.2	7.1	7.3	7.5	7.8
80°	7.8	7.6	7.4	7.2	7.3	7.6	7.8	7.8	7.8	7.8	8.0
77.5°	8.3	8.3	8.3	8.1	7.9	7.9	8.1	8.3	8.2	8.1	8.1
75°	8.3	8.3	8.3	8.3	8.3	8.3	8.2	8.3	8.3	8.3	8.2
72.5°	9.0	8.6	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
70°	9.9	9.0	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
67.5°	10.9	10.0	9.0	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.3
65°	12.9	11.1	9.9	9.1	8.5	8.3	8.3	8.3	8.3	8.3	8.3
62.5°	15.6	12.3	10.8	9.7	8.9	8.4	8.3	8.3	8.3	8.3	8.3
60°	18.9	14.3	11.8	10.5	9.4	8.5	8.3	8.3	8.3	8.3	8.3
57.5°	21.7	15.7	13.4	11.5	10.1	8.9	8.3	8.3	8.3	8.3	8.3
55°	22.7	17.0	15.0	13.1	11.0	9.5	8.5	8.3	8.3	8.3	8.3
52.5°	20.3	17.6	16.3	14.4	12.4	10.3	9.2	8.3	8.3	8.3	8.3
50°	15.9	16.6	16.6	15.3	13.6	11.6	9.8	8.8	8.3	8.3	8.4
47.5°	14.0	15.6	16.0	15.7	14.2	12.7	10.7	9.4	8.3	8.3	8.5
45°	14.4	15.0	15.6	15.3	14.8	13.3	11.6	9.9	8.8	8.5	8.7
42.5°	15.9	16.0	15.7	15.1	14.9	13.8	12.3	10.5	9.2	8.7	8.9
40°	19.3	18.2	16.8	16.5	15.2	14.2	12.7	11.1	9.7	9.1	9.1
37.5°	23.6	21.8	19.4	19.9	16.5	14.7	13.1	11.5	10.4	9.7	9.4
35°	32.5	26.7	25.2	25.0	21.0	15.4	13.4	11.9	11.1	10.2	9.7
32.5°	44.1	35.8	33.5	31.1	26.8	16.3	13.9	12.9	11.9	10.8	10.0
30°	56.5	52.1	43.1	37.9	33.6	21.6	15.4	14.1	12.8	11.4	10.4
27.5°	76.1	70.3	55.0	46.7	40.0	28.7	18.6	15.6	13.6	12.0	10.9
25°	102.5	90.6	72.2	56.8	46.8	45.4	22.4	17.2	14.7	12.7	11.3
22.5°	139.5	114.2	90.6	67.6	74.4	66.8	31.4	20.2	16.0	13.4	11.8
20°	182.5	141.1	119.2	113.5	108.7	90.4	47.3	23.6	17.3	14.1	12.2
17.5°	234.2	207.3	198.4	171.3	147.2	117.5	65.5	27.4	18.8	14.8	12.6
15°	381.0	324.7	286.1	236.0	188.7	147.5	85.6	31.3	20.2	15.6	12.9
12.5°	554.8	449.2	380.3	306.1	232.5	179.5	106.9	35.4	21.7	16.2	13.0
10°	735.0	578.7	478.9	379.8	277.8	212.9	128.7	39.9	23.6	16.7	13.1
7.5°	918.1	710.9	580.1	455.3	323.0	245.7	152.6	45.2	25.7	17.1	13.2
5°	1084.3	825.6	662.9	515.8	363.1	276.3	175.9	50.5	27.8	17.6	13.3
2.5°	1175.6	909.5	731.0	570.8	401.6	305.0	197.5	55.4	29.8	18.0	13.3
0°	1255.8	987.6	794.4	621.2	438.0	331.4	216.5	60.0	31.6	18.3	13.3
-2.5°	1256.2	975.2	791.8	636.5	456.1	341.5	224.7	73.3	39.7	22.8	14.9
-5°	1244.0	956.7	785.5	646.6	470.5	348.6	229.8	85.6	47.4	27.1	16.3
-7.5°	1188.4	920.2	769.4	648.7	480.8	352.7	231.9	96.9	54.5	31.0	17.7
-10°	1114.0	871.5	740.2	628.5	476.6	351.6	231.3	106.6	60.8	34.4	18.8
-12.5°	1028.6	820.3	711.7	606.3	467.2	346.0	227.1	114.1	66.2	37.2	19.7
-15°	932.4	767.7	685.3	583.1	454.8	338.0	221.2	119.7	70.6	39.5	20.3
-17.5°	829.5	714.6	662.1	559.9	439.4	328.0	213.8	123.4	73.9	41.5	21.3
-20°	774.9	679.7	640.8	537.5	421.2	316.2	205.3	125.2	75.8	42.7	22.4



REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	726.9	661.6	609.8	514.0	402.2	302.5	196.1	124.8	76.3	43.1	23.2
-25°	677.8	644.2	579.0	483.1	383.8	288.0	190.4	122.3	75.3	42.5	23.6
-27.5°	650.4	622.8	548.5	449.8	358.8	273.7	186.7	120.8	73.4	41.1	23.6
-30°	633.1	588.6	511.3	415.9	331.7	251.8	180.1	117.3	71.5	40.1	23.1
-32.5°	620.0	556.0	470.2	384.1	304.5	228.4	166.7	111.6	68.4	39.5	22.9
-35°	591.1	515.9	427.7	350.3	276.7	209.0	150.8	103.7	63.9	38.2	22.5
-37.5°	558.1	470.3	389.1	316.4	247.5	188.3	136.2	93.0	58.0	36.3	21.5
-40°	506.0	424.6	350.1	283.5	221.9	166.3	120.1	82.8	54.1	33.8	20.0
-42.5°	451.5	379.6	312.3	249.5	196.5	147.0	103.3	71.9	49.2	31.3	18.0
-45°	400.2	334.0	273.4	219.9	170.5	126.3	90.4	61.0	43.6	28.3	16.2
-47.5°	347.7	289.7	236.4	188.4	146.0	106.0	76.7	54.1	37.5	24.6	15.3
-50°	297.6	246.3	200.1	158.5	119.5	90.1	63.7	46.5	32.1	19.9	14.2
-52.5°	249.6	205.0	165.4	128.6	99.0	73.4	54.5	38.5	26.4	17.2	12.9
-55°	203.7	166.2	131.9	103.6	79.3	60.7	44.5	31.7	20.3	15.4	11.6
-57.5°	162.0	129.0	104.0	81.0	63.4	48.7	35.6	24.5	17.3	13.6	11.2
-60°	122.1	100.0	78.4	63.6	50.2	37.8	27.1	18.7	15.2	12.0	10.8
-62.5°	91.8	73.7	61.2	49.1	38.2	28.2	19.5	16.2	13.0	11.6	10.4
-65°	68.8	57.4	45.7	36.4	27.3	20.0	16.7	13.7	12.1	11.1	10.1
-67.5°	51.7	42.2	32.7	24.3	19.6	16.5	13.8	12.6	11.6	10.6	10.1
-70°	36.4	27.9	22.0	18.3	15.3	13.2	12.7	12.0	11.1	10.5	10.1
-72.5°	24.7	20.3	16.2	13.3	12.9	12.4	12.0	11.4	10.7	10.3	10.0
-75°	16.9	14.8	13.3	12.4	12.0	11.7	11.3	10.8	10.3	10.0	9.6
-77.5°	14.2	13.0	12.1	11.4	11.1	10.8	10.5	10.2	9.8	9.5	9.1
-80°	12.0	11.4	10.9	10.5	10.2	10.0	9.7	9.5	9.2	8.9	8.6
-82.5°	10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.8	8.5	8.3	8.1
-85°	8.9	8.8	8.7	8.5	8.4	8.3	8.2	8.1	7.9	7.8	7.7
-87.5°	7.8	7.7	7.7	7.6	7.6	7.5	7.4	7.4	7.3	7.2	7.2
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7



REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	7.1	7.0	7.0	6.9	6.8	6.7	6.7
85°	7.5	7.4	7.3	7.1	7.0	6.8	6.7
82.5°	7.9	7.7	7.5	7.3	7.1	6.8	6.7
80°	8.3	8.1	7.8	7.5	7.2	6.8	6.7
77.5°	8.3	8.3	8.1	7.7	7.4	6.9	6.7
75°	8.3	8.3	8.3	7.9	7.5	6.9	6.7
72.5°	8.3	8.3	8.3	8.1	7.6	6.9	6.7
70°	8.3	8.3	8.3	8.3	7.7	7.0	6.7
67.5°	8.3	8.3	8.3	8.3	7.8	7.0	6.7
65°	8.3	8.3	8.3	8.3	7.9	7.0	6.7
62.5°	8.3	8.3	8.3	8.3	8.0	7.0	6.7
60°	8.3	8.3	8.3	8.3	8.1	7.0	6.7
57.5°	8.3	8.3	8.3	8.3	8.1	7.1	6.7
55°	8.3	8.3	8.3	8.3	8.1	7.1	6.7
52.5°	8.3	8.3	8.3	8.3	8.0	7.1	6.7
50°	8.3	8.3	8.3	8.3	8.0	7.1	6.7
47.5°	8.3	8.3	8.3	8.3	8.0	7.1	6.7
45°	8.5	8.3	8.3	8.3	8.0	7.1	6.7
42.5°	8.6	8.3	8.3	8.3	8.0	7.1	6.7
40°	8.8	8.3	8.3	8.3	8.0	7.1	6.7
37.5°	9.0	8.3	8.3	8.3	8.0	7.1	6.7
35°	9.3	8.4	8.3	8.3	8.1	7.1	6.7
32.5°	9.5	8.6	8.3	8.3	8.1	7.1	6.7
30°	9.8	8.8	8.3	8.3	8.1	7.0	6.7
27.5°	10.1	9.0	8.3	8.3	8.1	7.0	6.7
25°	10.4	9.2	8.3	8.3	8.1	7.0	6.7
22.5°	10.7	9.3	8.3	8.3	8.1	7.0	6.7
20°	11.0	9.5	8.3	8.3	8.2	7.0	6.7
17.5°	11.2	9.6	8.3	8.3	8.2	6.9	6.7
15°	11.3	9.7	8.3	8.3	8.2	6.9	6.7
12.5°	11.5	9.8	8.3	8.3	8.2	6.9	6.7
10°	11.5	9.9	8.3	8.3	8.3	6.8	6.7
7.5°	11.6	9.9	8.3	8.3	8.3	6.8	6.7
5°	11.7	10.0	8.3	8.3	8.3	6.8	6.7
2.5°	11.7	10.0	8.3	8.3	8.3	6.7	6.7
0°	11.7	10.0	8.3	8.3	8.3	6.7	6.7
-2.5°	11.9	10.2	8.4	8.3	8.3	6.7	6.7
-5°	12.1	10.3	8.6	8.3	8.3	6.8	6.7
-7.5°	12.3	10.5	8.7	8.3	8.3	6.8	6.7
-10°	12.4	10.6	8.9	8.3	8.3	6.8	6.7
-12.5°	12.5	10.7	9.0	8.3	8.2	6.9	6.7
-15°	12.6	10.8	9.1	8.3	8.2	6.9	6.7
-17.5°	12.7	10.9	9.1	8.3	8.2	6.9	6.7
-20°	13.1	11.0	9.2	8.3	8.2	7.0	6.7



REPORT NUMBER: P731588 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-5S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	13.9	11.0	9.2	8.3	8.1	7.0	6.7
-25°	14.4	11.0	9.2	8.3	8.1	7.0	6.7
-27.5°	14.6	11.0	9.2	8.3	8.1	7.0	6.7
-30°	14.5	11.0	9.1	8.3	8.1	7.0	6.7
-32.5°	14.1	10.8	9.0	8.3	8.1	7.1	6.7
-35°	13.8	10.6	8.9	8.3	8.1	7.1	6.7
-37.5°	13.5	10.4	8.8	8.3	8.0	7.1	6.7
-40°	13.1	10.2	8.6	8.3	8.0	7.1	6.7
-42.5°	12.6	10.0	8.6	8.3	8.0	7.1	6.7
-45°	12.0	9.9	8.7	8.4	8.0	7.1	6.7
-47.5°	11.2	9.6	8.7	8.4	8.0	7.1	6.7
-50°	10.8	9.4	8.8	8.4	8.0	7.1	6.7
-52.5°	10.6	9.2	8.8	8.4	8.0	7.1	6.7
-55°	10.3	9.2	8.8	8.4	8.1	7.1	6.7
-57.5°	10.0	9.3	8.9	8.4	8.1	7.1	6.7
-60°	9.7	9.3	8.9	8.4	8.1	7.0	6.7
-62.5°	9.7	9.3	8.9	8.4	8.0	7.0	6.7
-65°	9.8	9.4	8.8	8.4	7.9	7.0	6.7
-67.5°	9.8	9.3	8.7	8.3	7.8	7.0	6.7
-70°	9.9	9.1	8.6	8.3	7.7	7.0	6.7
-72.5°	9.5	8.9	8.5	8.1	7.6	6.9	6.7
-75°	9.2	8.6	8.3	7.9	7.5	6.9	6.7
-77.5°	8.8	8.4	8.1	7.7	7.4	6.9	6.7
-80°	8.4	8.1	7.8	7.5	7.2	6.8	6.7
-82.5°	7.9	7.7	7.5	7.3	7.1	6.8	6.7
-85°	7.5	7.4	7.3	7.1	7.0	6.8	6.7
-87.5°	7.1	7.0	7.0	6.9	6.8	6.7	6.7
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7

(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

