

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: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-80-2S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-13)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-08-0530N-57-80-2S-CV1
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 2S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

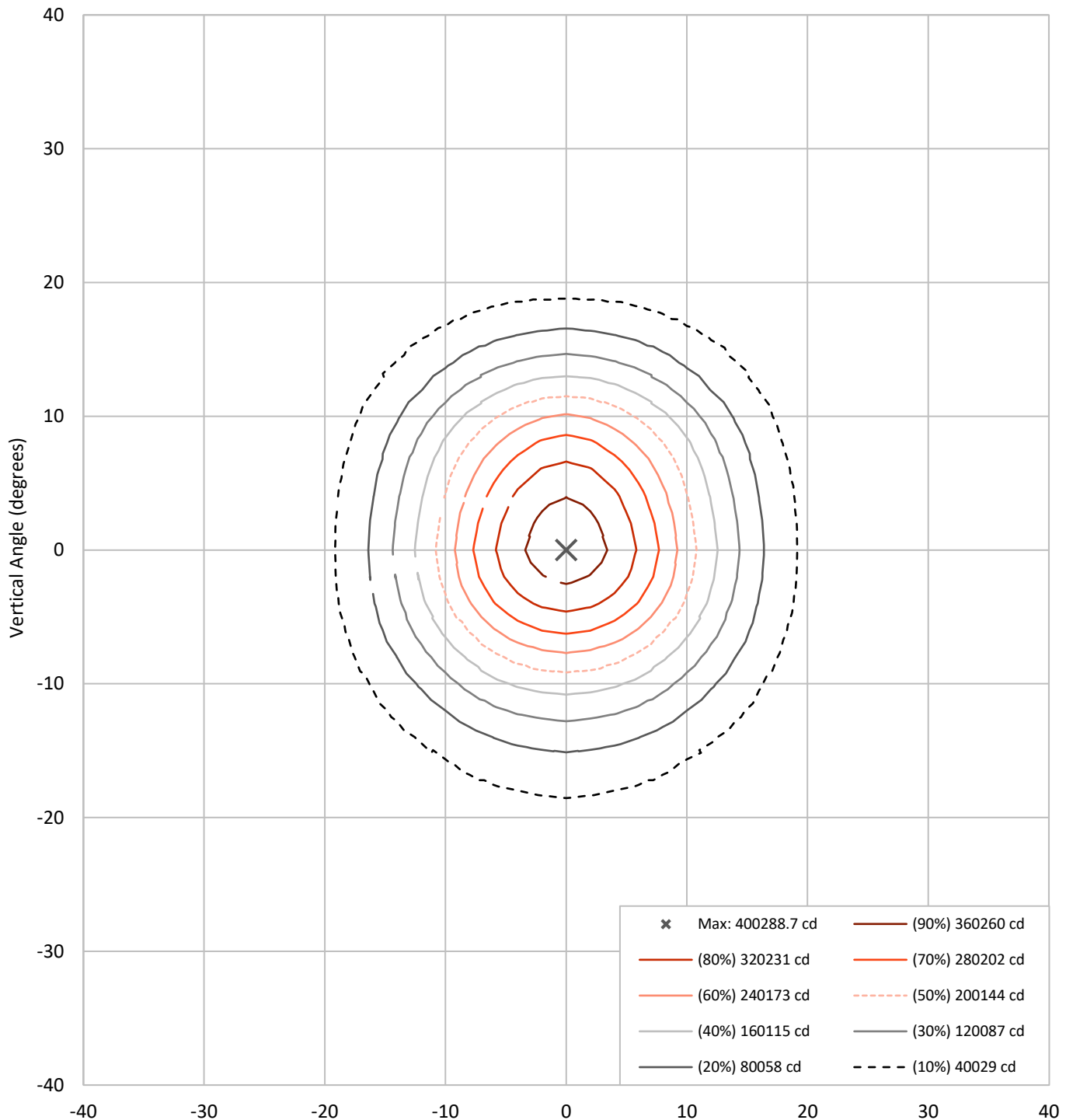
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	64727.1 lumens	Max Intensity:	400288.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	115.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.6°H x 20.7°V	Field Angle (10%):	38.3°H x 37.3°V
Beam Lumens:	30056.3 lumens	Field Lumens:	54718.8 lumens
Beam Efficiency:	46.4%	Field Efficiency:	84.5%

Input Watts (W): 561.4
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: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

Iso-Candela Plot





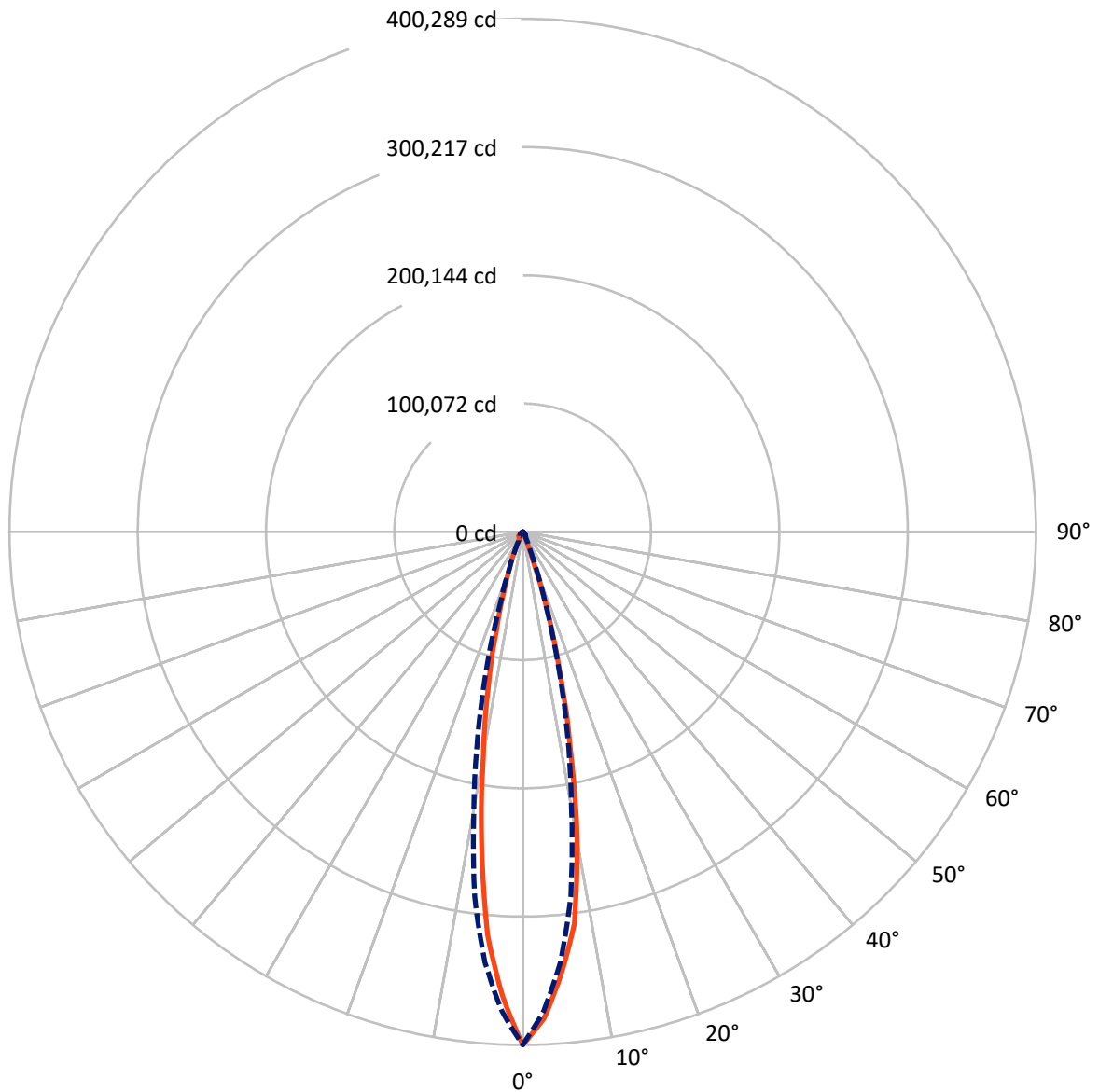
REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

Lumen Table

90	0.1		0.3		0.4		0.4		0.4		0.4		0.3		0.1	
80	0.1		0.3		0.4		0.4		0.4		0.4		0.3		0.1	
70	0.1	0.1	0.1	0.5	0.6	0.4	0.2	0.2	0.2	0.2	0.4	0.6	0.5	0.1	0.1	0.1
60		0.1	0.3	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.3	0.1	
50	0.2	0.2	0.4	0.4	0.5	0.9	1.5	1.0	1.0	1.5	0.9	0.5	0.4	0.4	0.2	0.2
40		0.2	0.8	2.3	4.3	6.2	8.6	10.4	10.4	8.6	6.2	4.3	2.3	0.8	0.2	
30	0.2	0.5	4.1	13.1	31.0	47.0	81.3	154.2	154.2	81.3	47.0	31.0	13.1	4.1	0.5	0.2
20		1.2	8.7	34.6	79.3	148.2	968.4	3000.8	3000.8	968.4	148.2	79.3	34.6	8.7	1.2	
10	0.3	1.9	11.3	46.4	94.2	297.0	2846.3	8530.4	8530.4	2846.3	297.0	94.2	46.4	11.3	1.9	0.3
0		2.4	12.1	46.6	94.0	283.1	2677.0	7758.2	7758.2	2677.0	283.1	94.0	46.6	12.1	2.4	
-10	0.5	2.8	11.5	37.3	79.4	137.7	787.5	2280.2	2280.2	787.5	137.7	79.4	37.3	11.5	2.8	0.5
-20		2.8	10.9	26.4	71.2	106.3	161.5	312.1	312.1	161.5	106.3	71.2	26.4	10.9	2.8	
-30	0.4	2.5	9.4	19.9	49.7	103.2	134.0	149.8	149.8	134.0	103.2	49.7	19.9	9.4	2.5	0.4
-40		1.7	7.0	16.3	29.4	49.7	85.0	113.3	113.3	85.0	49.7	29.4	16.3	7.0	1.7	
-50	0.3	0.9	4.2	10.8	20.9	31.7	41.2	46.6	46.6	41.2	31.7	20.9	10.8	4.2	0.9	0.3
-60		0.4	1.4	4.4	9.2	14.8	20.3	23.5	23.5	20.3	14.8	9.2	4.4	1.4	0.4	
-70	0.2	0.4	1.4	4.4	9.2	14.8	20.3	23.5	23.5	20.3	14.8	9.2	4.4	1.4	0.4	0.2
-80		0.2	1.0	3.1	7.3	9.8	7.3	3.1	1.0	0.2						
-90	0.2		1.0		3.1		7.3		9.8		7.3		3.1		1.0	

REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

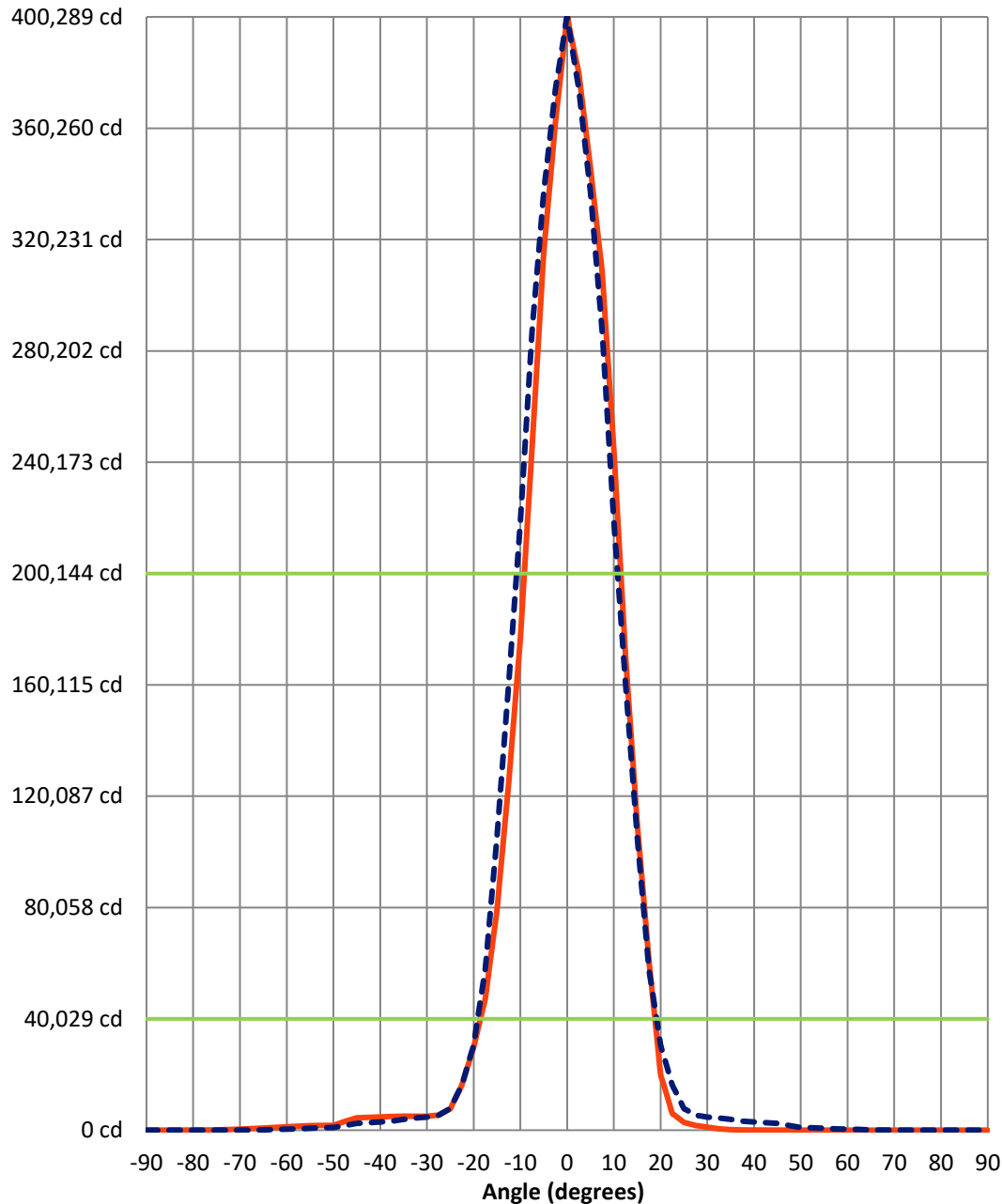
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

Luminous Intensity Plot



Beam:
 H Angle: 21.6°
 V Angle: 20.7°
 Lumens: 30056.3
 Efficiency: 46.4%

Field:
 H Angle: 38.3°
 V Angle: 37.3°
 Lumens: 54718.8
 Efficiency: 84.5%

Spill:
 Lumens: 10008.3
 Efficiency: 15.5%

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



REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.8	5.6	6.3	6.7	7.1	7.5	7.9	8.3	8.7	9.1	9.5
87.5°	4.8	4.8	4.8	4.5	4.1	3.9	3.6	3.6	3.5	3.4	3.2
85°	4.8	4.9	4.8	4.5	4.3	4.1	4.0	3.9	3.8	3.5	3.2
82.5°	4.8	4.9	4.8	4.6	4.4	4.4	4.4	4.3	4.0	3.8	3.6
80°	4.8	4.9	4.8	4.6	4.6	4.6	4.8	4.5	4.3	4.3	4.3
77.5°	4.8	5.0	4.8	4.7	4.7	4.8	4.8	4.6	4.6	4.7	4.8
75°	4.8	5.0	4.8	4.7	4.8	4.9	4.8	4.7	4.8	4.8	4.8
72.5°	4.8	5.0	4.8	4.8	5.0	5.0	4.9	4.8	4.8	4.8	4.8
70°	4.8	5.1	4.9	4.8	5.1	5.1	4.9	4.8	4.8	4.8	4.9
67.5°	4.8	5.1	4.9	5.0	5.3	5.3	5.0	4.8	4.8	5.0	5.0
65°	4.8	5.1	4.9	5.1	5.4	5.3	5.0	4.8	5.1	5.3	5.1
62.5°	4.8	5.2	5.0	5.3	5.6	5.4	5.0	5.1	5.5	5.5	5.2
60°	4.8	5.2	5.0	5.4	5.7	5.4	5.1	5.5	5.9	5.6	5.3
57.5°	4.8	5.3	5.1	5.6	5.8	5.5	5.4	5.9	6.0	5.7	5.7
55°	4.8	5.3	5.3	5.8	5.8	5.5	5.8	6.3	6.1	5.9	6.4
52.5°	4.8	5.4	5.4	5.9	5.9	5.6	6.2	6.5	6.1	6.4	7.0
50°	4.8	5.4	5.5	6.1	5.9	5.9	6.6	6.5	6.3	7.0	8.6
47.5°	4.8	5.4	5.6	6.2	5.9	6.2	6.9	6.6	6.8	7.6	10.1
45°	4.8	5.5	5.7	6.3	6.0	6.5	7.0	6.7	7.4	8.7	11.4
42.5°	4.8	5.5	5.8	6.3	6.0	6.8	7.1	7.0	8.0	9.7	13.1
40°	4.8	5.6	5.8	6.3	6.2	7.1	7.1	7.6	8.7	10.5	14.9
37.5°	4.8	5.6	5.9	6.4	6.4	7.4	7.2	8.1	9.7	11.8	16.5
35°	4.8	5.7	6.0	6.4	6.6	7.5	7.3	8.7	10.6	13.7	17.9
32.5°	4.8	5.7	6.0	6.5	6.8	7.6	7.5	9.3	11.4	15.7	19.8
30°	4.8	5.8	6.1	6.5	7.0	7.7	8.0	10.0	12.3	17.6	21.9
27.5°	4.8	5.8	6.1	6.6	7.2	7.8	8.5	10.7	13.4	19.6	24.2
25°	4.8	5.9	6.2	6.7	7.4	7.8	8.9	11.3	15.0	21.5	26.6
22.5°	4.8	5.9	6.2	6.8	7.5	7.9	9.4	11.9	16.5	23.4	30.9
20°	4.8	6.0	6.2	6.9	7.6	8.0	9.9	12.5	18.0	25.3	35.8
17.5°	4.8	6.0	6.3	7.1	7.7	8.2	10.3	13.1	19.5	27.2	41.1
15°	4.8	6.1	6.3	7.2	7.8	8.4	10.8	13.6	20.9	29.2	46.7
12.5°	4.8	6.1	6.3	7.3	7.8	8.5	11.2	14.1	22.1	31.0	52.5
10°	4.8	6.1	6.3	7.4	7.9	8.7	11.5	14.5	23.0	33.4	58.4
7.5°	4.8	6.2	6.3	7.6	7.9	8.9	11.9	14.9	23.9	35.9	64.3
5°	4.8	6.2	6.3	7.7	7.9	9.1	12.2	15.3	24.5	38.4	69.8
2.5°	4.8	6.3	6.3	7.8	7.9	9.3	12.5	15.6	25.0	40.7	74.9
0°	4.8	6.3	6.3	7.9	7.9	9.5	12.7	15.9	25.4	42.8	79.3
-2.5°	4.8	6.3	6.4	8.0	8.2	10.0	13.9	19.6	33.1	56.4	98.8
-5°	4.8	6.4	6.4	8.1	8.5	10.5	15.1	23.2	40.4	69.4	117.3
-7.5°	4.8	6.4	6.5	8.2	8.7	11.0	16.2	26.5	47.3	81.4	134.3
-10°	4.8	6.4	6.6	8.2	9.0	11.4	17.2	29.4	53.4	92.3	149.7
-12.5°	4.8	6.4	6.6	8.3	9.2	11.8	18.1	32.0	58.7	101.7	162.8
-15°	4.8	6.5	6.7	8.4	9.5	12.2	18.8	34.0	63.8	109.6	173.5
-17.5°	4.8	6.5	6.8	8.4	9.7	12.5	19.3	36.3	68.9	116.2	181.6
-20°	4.8	6.5	6.8	8.4	9.8	12.7	19.9	38.6	72.8	121.4	186.9



REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.8	6.5	6.9	8.5	10.0	12.9	20.7	40.0	75.2	125.1	189.1
-25°	4.8	6.5	7.0	8.5	10.1	13.1	21.0	40.4	76.2	127.2	188.0
-27.5°	4.8	6.5	7.0	8.5	10.2	13.3	20.8	39.7	75.5	127.9	189.5
-30°	4.8	6.5	7.1	8.5	10.3	13.4	20.2	37.8	74.4	127.0	189.0
-32.5°	4.8	6.5	7.2	8.4	10.4	13.4	19.0	36.7	72.2	123.8	186.5
-35°	4.8	6.5	7.2	8.4	10.5	13.2	18.5	35.3	68.4	118.3	181.8
-37.5°	4.8	6.5	7.3	8.4	10.5	13.1	18.3	33.1	62.8	110.5	170.5
-40°	4.8	6.5	7.3	8.3	10.5	13.2	18.0	30.0	55.5	102.1	156.6
-42.5°	4.8	6.4	7.4	8.3	10.5	13.2	17.5	26.2	49.7	90.5	140.5
-45°	4.8	6.4	7.4	8.2	10.5	13.1	16.9	23.2	44.3	77.1	122.7
-47.5°	4.8	6.4	7.5	8.2	10.4	13.1	16.1	22.3	37.8	62.5	105.9
-50°	4.8	6.4	7.5	8.2	10.3	12.9	15.9	21.2	30.0	53.5	87.4
-52.5°	4.8	6.3	7.6	8.3	10.2	12.8	15.6	19.9	26.4	43.7	68.2
-55°	4.8	6.3	7.6	8.4	10.1	12.5	15.3	18.5	24.4	33.1	56.0
-57.5°	4.8	6.3	7.7	8.4	9.9	12.3	15.0	18.0	22.3	28.6	42.8
-60°	4.8	6.2	7.7	8.4	9.7	11.9	14.6	17.5	20.4	25.9	32.4
-62.5°	4.8	6.2	7.6	8.4	9.6	11.6	14.1	16.8	19.5	23.0	28.9
-65°	4.8	6.1	7.5	8.3	9.4	11.2	13.6	16.1	18.6	21.4	25.3
-67.5°	4.8	6.1	7.4	8.3	9.3	10.8	13.0	15.3	17.6	20.2	23.1
-70°	4.8	6.0	7.3	8.2	9.1	10.5	12.4	14.4	16.5	18.9	21.5
-72.5°	4.8	6.0	7.2	8.1	8.9	10.1	11.7	13.5	15.4	17.5	19.8
-75°	4.8	5.9	7.1	7.9	8.7	9.7	11.1	12.6	14.2	16.0	18.0
-77.5°	4.8	5.9	7.0	7.7	8.4	9.2	10.3	11.8	13.2	14.6	16.2
-80°	4.8	5.8	6.8	7.5	8.2	8.8	9.6	10.9	12.2	13.5	14.8
-82.5°	4.8	5.7	6.7	7.3	7.9	8.5	9.1	10.1	11.1	12.3	13.5
-85°	4.8	5.7	6.6	7.1	7.6	8.2	8.7	9.5	10.3	11.2	12.2
-87.5°	4.8	5.6	6.4	6.9	7.4	7.8	8.3	8.9	9.5	10.2	10.8
-90°	4.8	4.8	4.8	4.4	4.0	3.6	3.2	3.2	3.2	3.2	3.2



REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	9.5	9.5	9.5	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3
87.5°	3.0	2.8	2.6	2.5	2.3	2.1	1.9	1.6	1.6	1.6	1.6
85°	3.2	3.2	3.2	3.2	2.8	2.4	2.0	1.6	1.6	1.6	1.6
82.5°	3.7	3.6	3.5	3.2	2.8	2.4	2.1	1.8	1.9	1.8	1.8
80°	4.3	4.1	3.7	3.3	3.0	2.9	2.9	2.9	2.8	2.6	2.3
77.5°	4.5	4.1	3.7	3.3	3.2	3.5	3.8	4.0	4.0	3.8	3.6
75°	4.5	4.1	4.0	4.0	4.2	4.5	4.8	4.8	4.7	4.5	4.5
72.5°	4.6	4.5	4.5	4.8	4.8	4.8	4.8	4.8	6.1	7.9	9.0
70°	4.7	4.8	4.8	4.8	4.8	5.3	7.4	10.6	13.9	15.5	17.2
67.5°	4.8	4.8	4.8	5.0	6.1	8.5	12.1	18.9	26.2	28.0	27.7
65°	4.8	4.8	5.4	6.4	7.8	13.6	21.1	29.7	36.1	35.1	32.8
62.5°	4.8	5.4	6.5	8.8	13.5	20.5	27.2	33.4	39.5	38.4	33.1
60°	5.4	6.2	8.8	13.5	18.7	23.8	30.2	34.2	38.1	39.1	29.9
57.5°	6.1	8.1	12.5	17.3	21.7	25.5	27.9	31.4	32.7	31.8	23.3
55°	7.4	10.7	15.4	20.1	23.2	22.3	23.8	24.8	24.4	22.5	16.6
52.5°	9.7	13.2	17.9	21.8	22.2	20.1	18.8	18.9	17.5	14.9	12.9
50°	11.7	15.7	20.0	22.2	21.2	18.0	15.0	14.5	13.5	12.2	11.1
47.5°	13.8	18.0	21.5	22.6	19.6	16.8	13.9	12.9	12.2	12.5	11.8
45°	15.9	19.9	23.4	21.4	18.7	16.5	15.3	12.7	14.2	15.2	15.8
42.5°	17.9	21.5	23.0	20.5	19.0	18.9	18.7	18.1	18.9	22.8	25.1
40°	19.3	23.1	22.9	22.5	20.8	23.9	26.8	29.1	29.3	34.4	38.4
37.5°	20.7	23.6	24.9	28.1	26.7	32.4	37.3	57.1	58.0	47.9	65.0
35°	21.9	24.8	32.8	41.8	45.4	44.2	72.1	98.2	104.6	94.1	111.7
32.5°	23.3	26.6	43.5	64.6	83.7	85.0	117.0	158.6	180.4	187.7	197.4
30°	25.7	36.6	60.1	93.3	139.3	176.8	192.1	236.7	277.0	357.6	413.9
27.5°	30.3	49.5	87.6	144.6	215.0	286.0	310.3	341.4	446.9	589.7	730.9
25°	35.9	76.9	119.0	212.4	320.2	399.0	429.9	471.7	671.1	947.1	1109.4
22.5°	50.2	112.1	166.5	290.7	436.8	509.0	549.5	699.6	1004.6	1371.1	1535.6
20°	76.0	154.1	224.3	356.0	553.9	618.3	663.6	976.1	1420.0	1768.2	2026.2
17.5°	105.7	196.1	281.7	424.8	604.6	701.4	796.3	1281.3	1855.3	2161.5	2465.3
15°	138.5	237.9	331.5	486.1	650.5	751.3	1000.3	1626.6	2248.9	2547.6	2850.6
12.5°	173.2	279.1	374.3	539.9	695.8	797.8	1185.7	1872.9	2459.1	2852.1	3215.7
10°	208.6	319.3	410.7	586.4	739.8	840.9	1359.0	2082.1	2570.6	2920.2	3332.1
7.5°	232.6	345.6	439.1	625.8	781.5	880.5	1516.1	2254.8	2646.3	2954.3	3320.4
5°	251.5	355.5	450.0	653.8	815.8	911.7	1639.9	2391.2	2692.2	2959.6	3259.0
2.5°	266.5	362.2	458.5	675.5	843.1	931.6	1680.9	2433.2	2701.4	2959.4	3229.5
0°	277.4	366.1	464.4	691.1	865.4	947.8	1689.6	2442.5	2694.5	2952.9	3241.3
-2.5°	287.2	377.3	482.6	704.3	866.4	949.7	1681.3	2431.7	2724.9	3024.4	3368.8
-5°	293.2	386.4	497.6	711.1	863.0	948.6	1643.0	2388.3	2721.8	3025.6	3389.9
-7.5°	296.0	393.3	508.6	710.2	851.1	935.7	1541.4	2249.6	2614.8	2901.0	3283.0
-10°	297.0	401.7	515.9	695.1	828.8	914.1	1410.4	2085.0	2496.5	2764.6	3135.3
-12.5°	299.7	411.3	520.5	678.2	806.7	889.6	1262.1	1898.0	2368.3	2618.4	2966.6
-15°	299.5	418.7	522.8	660.6	786.2	862.1	1100.2	1691.6	2273.0	2590.6	2875.2
-17.5°	296.8	423.9	523.0	643.8	768.4	831.8	933.7	1509.3	2194.1	2579.2	2855.3
-20°	291.6	426.9	521.4	628.9	751.9	818.9	901.9	1332.7	1984.3	2538.6	2847.4



REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	284.3	427.8	519.6	621.3	738.9	823.0	894.2	1139.1	1707.2	2471.2	2794.4
-25°	280.3	415.2	517.5	612.4	725.1	828.0	886.2	960.6	1433.5	2131.9	2669.9
-27.5°	278.2	400.8	505.7	597.8	707.5	826.7	886.9	949.9	1201.8	1744.7	2477.7
-30°	271.7	376.9	489.7	578.6	686.7	803.4	892.7	942.1	1012.8	1433.9	2032.1
-32.5°	258.1	351.9	463.4	557.8	659.6	776.2	886.7	941.9	1002.2	1127.2	1609.9
-35°	243.8	332.2	433.2	532.0	626.1	739.4	847.4	939.8	992.0	1056.7	1272.6
-37.5°	232.3	310.0	402.4	500.3	593.2	695.0	803.9	906.0	984.2	1049.3	1131.6
-40°	218.0	285.4	374.2	466.1	556.9	651.0	752.8	855.6	954.3	1053.1	1128.1
-42.5°	200.8	266.3	344.7	431.1	518.2	608.6	699.5	798.6	913.7	1038.2	1134.4
-45°	180.3	244.1	313.9	393.9	475.8	562.7	650.7	740.2	861.5	989.5	1110.1
-47.5°	157.3	218.5	285.0	353.9	431.2	512.2	597.9	691.6	798.0	920.2	1051.6
-50°	133.0	189.8	251.8	315.8	384.8	459.6	538.8	633.5	733.6	840.6	959.2
-52.5°	110.1	158.3	215.7	276.6	339.2	406.2	480.4	565.1	659.0	758.7	858.3
-55°	85.3	128.6	176.6	233.6	293.5	353.9	418.8	494.0	575.5	666.4	755.7
-57.5°	66.1	97.8	139.2	186.8	242.7	301.1	358.6	419.7	491.1	568.6	643.9
-60°	50.0	71.8	102.3	142.7	187.5	240.1	295.2	350.8	408.3	465.9	530.1
-62.5°	35.5	52.3	72.4	99.1	137.5	176.6	222.7	273.9	328.2	377.6	424.9
-65°	31.0	36.0	49.7	68.5	88.2	120.7	155.6	191.4	236.2	280.5	325.6
-67.5°	26.4	30.9	35.4	42.5	59.5	76.4	93.3	123.7	154.8	183.1	213.3
-70°	23.9	26.2	29.8	33.8	37.7	44.8	59.5	74.1	88.3	105.2	129.0
-72.5°	21.8	23.7	25.7	27.9	31.3	34.8	38.1	41.4	49.8	61.4	72.3
-75°	19.7	21.1	22.8	24.6	26.5	28.6	30.9	33.8	36.5	39.1	41.7
-77.5°	17.6	18.9	20.1	21.4	22.7	24.3	26.0	27.8	29.3	30.8	32.4
-80°	15.7	16.6	17.6	18.7	19.6	20.5	21.5	22.6	23.4	24.3	25.3
-82.5°	14.1	14.6	15.3	16.0	16.6	17.1	17.5	18.2	19.0	19.8	20.5
-85°	12.5	12.7	13.0	13.4	14.0	14.6	15.1	15.6	15.9	16.4	16.8
-87.5°	11.0	11.1	11.2	11.3	11.8	12.4	12.9	13.4	13.6	13.7	13.9
-90°	2.8	2.4	2.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	12.7	12.7	12.7	12.7	12.7	13.1	13.5	13.9	14.3	14.3	14.3
87.5°	1.6	1.5	1.5	1.5	1.5	1.1	0.8	0.4	0.0	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	2.1	2.1	2.0	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	3.4	3.2	2.8	2.3	1.7	1.6	1.6	1.6	1.6	1.6	1.6
75°	4.6	4.5	4.4	4.0	3.3	3.2	3.2	3.1	2.9	3.0	3.1
72.5°	9.7	9.6	9.0	8.3	7.2	6.6	6.4	6.1	5.7	5.5	5.4
70°	17.6	17.0	15.9	14.2	11.8	10.1	9.3	8.1	6.8	6.2	6.2
67.5°	25.3	22.7	20.5	18.0	14.8	12.2	10.7	9.3	8.0	7.4	7.1
65°	29.2	23.3	19.4	16.4	14.1	11.9	10.2	8.8	7.4	6.7	6.5
62.5°	26.8	19.4	15.3	12.8	10.8	9.3	8.2	7.1	6.0	5.3	5.5
60°	21.9	15.0	11.5	10.1	8.9	8.0	7.0	6.0	5.3	4.9	5.3
57.5°	16.7	12.0	9.4	8.8	7.9	6.8	6.1	5.8	5.8	5.8	6.1
55°	12.5	10.5	9.5	8.4	7.4	6.7	6.4	6.6	6.5	6.3	6.3
52.5°	10.6	9.7	8.6	7.6	7.5	7.5	7.8	7.5	7.3	7.3	7.5
50°	10.4	9.5	8.7	7.9	8.2	8.2	8.0	8.2	8.7	8.9	9.0
47.5°	11.2	10.6	11.1	9.4	9.7	10.9	11.0	11.2	12.6	13.3	13.5
45°	14.8	18.0	18.0	16.6	16.0	23.1	23.6	19.8	32.2	31.0	21.8
42.5°	27.3	29.0	29.1	36.4	49.2	56.1	74.4	103.5	97.0	75.3	45.5
40°	45.2	43.0	52.4	67.3	82.2	99.9	124.9	174.5	166.1	132.9	146.1
37.5°	78.1	78.1	82.6	103.3	109.0	93.9	133.4	128.9	102.7	144.4	152.8
35°	142.8	157.1	133.4	165.4	169.7	156.1	163.7	180.9	156.5	187.3	200.4
32.5°	256.4	282.9	286.4	294.2	317.8	335.9	330.9	373.1	375.2	415.0	469.6
30°	409.8	464.8	521.7	530.5	560.0	607.7	631.8	716.8	806.9	865.9	974.2
27.5°	720.4	733.9	848.4	938.6	902.7	974.2	1153.2	1256.9	1429.1	1531.7	1640.7
25°	1157.0	1194.4	1355.6	1521.8	1544.0	1609.2	1869.3	2017.7	2195.1	2298.7	2523.6
22.5°	1711.1	1872.2	2049.7	2268.3	2357.9	2511.4	2764.2	2981.8	3351.4	3808.8	4794.3
20°	2328.4	2570.4	2809.1	3001.1	3186.0	3430.0	3737.6	4787.9	6032.4	9782.1	12369.3
17.5°	2856.6	3253.1	3481.2	3667.1	3899.1	4370.0	5590.8	8685.9	14654.4	23002.7	30644.4
15°	3267.3	3637.5	4004.4	4237.4	4599.9	5642.4	8126.4	15716.9	28084.6	42177.2	59230.5
12.5°	3593.0	3900.4	4208.5	4551.3	5221.3	7252.9	13572.6	25294.9	43279.7	66059.5	96292.0
10°	3768.8	4076.4	4373.8	4861.8	6102.1	9801.4	18658.1	34117.1	62344.3	97921.1	136450.3
7.5°	3767.6	4142.6	4510.3	5105.5	6999.8	12846.7	24648.8	45567.9	78955.7	123559.0	173161.9
5°	3765.5	4219.3	4604.5	5276.3	7561.2	14924.9	28367.3	51909.5	92481.6	142816.5	195929.1
2.5°	3802.0	4301.5	4665.4	5388.8	7821.4	16040.1	30430.0	56918.3	101937.9	153777.6	210532.6
0°	3888.0	4374.6	4701.1	5400.1	7790.3	16270.1	30669.9	58130.1	105577.3	160652.3	218892.6
-2.5°	4030.2	4364.1	4680.9	5354.5	7686.4	15795.4	30109.5	57073.0	101360.2	153002.3	209368.2
-5°	3944.7	4214.2	4494.5	5100.5	7176.7	14131.8	27122.0	51071.0	88897.2	135272.1	183557.3
-7.5°	3724.9	3998.1	4257.7	4780.4	6441.9	11662.0	22186.1	41026.6	70571.3	106687.9	144612.7
-10°	3524.6	3769.6	4014.0	4432.1	5504.2	8553.7	15876.1	29035.2	51525.2	78750.7	107733.1
-12.5°	3370.4	3576.2	3764.4	4044.6	4640.8	6344.0	11550.1	21316.6	34600.2	51933.3	73144.2
-15°	3234.6	3394.6	3533.1	3802.7	4245.9	5135.7	7196.9	12776.5	21053.5	31975.2	43557.1
-17.5°	3109.1	3262.5	3426.1	3631.5	3910.6	4337.7	5521.8	7868.7	12643.8	19778.2	26608.8
-20°	3044.9	3232.7	3373.3	3534.0	3770.8	4099.1	4515.1	5679.3	7647.5	12032.1	16473.3



REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2994.2	3173.3	3333.7	3520.2	3763.4	4022.5	4247.1	4602.6	5531.2	6908.2	9200.9
-25°	2932.5	3109.1	3346.3	3617.8	3826.7	4022.5	4136.5	4210.7	4609.1	5002.7	5880.5
-27.5°	2815.4	3095.2	3443.7	3736.7	3961.5	4083.0	4174.8	4234.9	4473.8	4708.4	4963.8
-30°	2710.7	3139.7	3515.9	3856.7	4052.4	4200.8	4320.5	4428.7	4593.9	4792.6	4885.5
-32.5°	2339.2	3127.6	3546.1	3859.7	4060.9	4236.1	4420.5	4520.5	4665.9	4811.5	4928.9
-35°	1837.4	2638.6	3513.4	3693.0	3892.7	4121.1	4342.6	4485.0	4633.0	4783.0	4921.2
-37.5°	1376.4	1975.6	2685.1	3334.0	3601.8	3835.7	4107.6	4326.9	4520.7	4684.1	4841.6
-40°	1206.4	1369.0	1890.9	2406.2	2953.6	3456.0	3724.7	4018.3	4309.9	4511.8	4691.5
-42.5°	1204.6	1266.8	1320.2	1665.6	2086.6	2518.6	2975.8	3401.9	3876.3	4208.8	4461.1
-45°	1212.2	1260.8	1310.4	1360.5	1406.4	1724.2	2057.6	2395.7	2890.7	3382.2	3807.1
-47.5°	1154.6	1248.1	1307.6	1355.6	1401.0	1445.7	1489.3	1580.4	1896.9	2231.9	2538.1
-50°	1063.0	1159.4	1248.0	1336.8	1389.0	1433.1	1480.5	1532.6	1583.2	1634.7	1669.0
-52.5°	950.8	1045.7	1137.9	1222.2	1298.1	1372.7	1447.3	1507.8	1561.9	1614.6	1640.9
-55°	843.5	928.8	1012.9	1087.0	1161.1	1234.6	1308.8	1382.6	1455.9	1527.9	1564.7
-57.5°	724.3	807.3	886.3	948.7	1011.6	1074.4	1141.7	1211.0	1277.9	1339.2	1371.4
-60°	597.9	669.0	736.6	797.3	856.2	912.8	970.0	1027.8	1084.4	1134.2	1163.4
-62.5°	472.2	527.1	583.5	636.3	686.5	734.8	787.0	836.8	883.8	923.4	951.1
-65°	369.7	410.7	446.8	483.4	520.6	563.0	606.0	646.6	684.7	716.2	739.7
-67.5°	251.1	288.7	321.8	352.9	381.4	410.4	441.2	470.8	498.8	522.0	540.3
-70°	151.8	173.0	191.9	212.9	237.7	262.1	286.5	309.0	329.5	346.3	359.6
-72.5°	82.6	91.5	101.1	116.2	130.1	143.9	157.6	170.1	181.5	191.5	200.3
-75°	44.4	48.2	55.2	61.5	67.0	72.6	78.1	83.1	87.6	91.3	94.3
-77.5°	34.3	36.2	37.9	39.4	40.7	41.9	43.1	44.3	45.4	46.4	47.3
-80°	26.4	27.6	28.9	30.1	31.3	32.1	32.8	33.3	33.8	34.5	35.1
-82.5°	21.2	21.7	22.3	22.9	23.6	24.2	24.8	25.5	26.1	26.3	26.5
-85°	17.3	17.5	17.7	17.9	18.1	18.3	18.5	18.7	18.8	18.9	18.9
-87.5°	14.0	14.0	14.1	14.1	14.2	14.6	15.0	15.4	15.8	15.9	15.9
-90°	1.6	1.2	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	13.9
87.5°	0.0	0.0	0.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.4
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	3.1	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	2.9	3.1
72.5°	5.1	4.8	4.8	4.8	4.8	4.8	5.1	5.4	5.5	5.7	6.1
70°	6.2	6.3	6.3	6.3	6.3	6.3	6.2	6.2	6.2	6.8	8.1
67.5°	6.8	6.4	5.6	4.8	5.6	6.4	6.8	7.1	7.4	8.0	9.3
65°	6.3	6.3	5.6	4.8	5.6	6.3	6.3	6.5	6.7	7.4	8.8
62.5°	5.8	6.2	5.6	4.8	5.6	6.2	5.8	5.5	5.3	6.0	7.1
60°	5.8	6.2	6.3	6.3	6.3	6.2	5.8	5.3	4.9	5.3	6.0
57.5°	6.2	6.3	6.3	6.3	6.3	6.3	6.2	6.1	5.8	5.8	5.8
55°	6.3	6.3	6.9	7.9	6.9	6.3	6.3	6.3	6.3	6.5	6.6
52.5°	7.7	7.8	7.9	7.9	7.9	7.8	7.7	7.5	7.3	7.3	7.5
50°	9.2	9.4	9.5	9.5	9.5	9.4	9.2	9.0	8.9	8.7	8.2
47.5°	13.5	13.0	12.6	12.7	12.6	13.0	13.5	13.5	13.3	12.6	11.2
45°	22.1	22.0	22.0	22.2	22.0	22.0	22.1	21.8	31.0	32.2	19.8
42.5°	44.4	40.0	36.5	38.0	36.5	40.0	44.4	45.5	75.3	97.0	103.5
40°	130.4	89.6	51.9	52.3	51.9	89.6	130.4	146.1	132.9	166.1	174.5
37.5°	121.8	98.3	88.7	87.2	88.7	98.3	121.8	152.8	144.4	102.7	128.9
35°	201.1	199.9	191.1	190.2	191.1	199.9	201.1	200.4	187.3	156.5	180.9
32.5°	490.7	510.8	504.3	496.1	504.3	510.8	490.7	469.6	415.0	375.2	373.1
30°	1025.6	1070.3	1061.3	1085.7	1061.3	1070.3	1025.6	974.2	865.9	806.9	716.8
27.5°	1701.1	1730.3	1700.1	1691.2	1700.1	1730.3	1701.1	1640.7	1531.7	1429.1	1256.9
25°	2677.3	2734.0	2760.1	2813.4	2760.1	2734.0	2677.3	2523.6	2298.7	2195.1	2017.7
22.5°	6019.6	6370.4	6190.2	6029.4	6190.2	6370.4	6019.6	4794.3	3808.8	3351.4	2981.8
20°	17665.8	20785.9	20556.0	20145.4	20556.0	20785.9	17665.8	12369.3	9782.1	6032.4	4787.9
17.5°	42597.5	52183.0	58152.5	61293.8	58152.5	52183.0	42597.5	30644.4	23002.7	14654.4	8685.9
15°	79469.1	95591.9	105058.4	110427.4	105058.4	95591.9	79469.1	59230.5	42177.2	28084.6	15716.9
12.5°	125357.1	150627.4	167391.9	170596.7	167391.9	150627.4	125357.1	96292.0	66059.5	43279.7	25294.9
10°	175885.9	208251.4	234944.0	244679.1	234944.0	208251.4	175885.9	136450.3	97921.1	62344.3	34117.1
7.5°	219039.2	260341.2	295785.2	308391.6	295785.2	260341.2	219039.2	173161.9	123559.0	78955.7	45567.9
5°	250418.5	305207.4	337290.0	345946.8	337290.0	305207.4	250418.5	195929.1	142816.5	92481.6	51909.5
2.5°	275961.4	327969.6	362366.6	380101.3	362366.6	327969.6	275961.4	210532.6	153777.6	101937.9	56918.3
0°	287192.1	337172.2	374269.2	400288.7	374269.2	337172.2	287192.1	218892.6	160652.3	105577.3	58130.1
-2.5°	273390.4	324502.0	350891.0	362295.4	350891.0	324502.0	273390.4	209368.2	153002.3	101360.2	57073.0
-5°	232439.1	280620.9	307143.8	315570.1	307143.8	280620.9	232439.1	183557.3	135272.1	88897.2	51071.0
-7.5°	181312.1	214692.6	237575.7	245550.8	237575.7	214692.6	181312.1	144612.7	106687.9	70571.3	41026.6
-10°	136524.0	160463.5	172726.3	176870.9	172726.3	160463.5	136524.0	107733.1	78750.7	51525.2	29035.2
-12.5°	93744.8	111766.6	119693.3	124900.9	119693.3	111766.6	93744.8	73144.2	51933.3	34600.2	21316.6
-15°	57665.0	69413.9	75655.5	79218.6	75655.5	69413.9	57665.0	43557.1	31975.2	21053.5	12776.5
-17.5°	35034.5	41420.9	45557.2	47431.3	45557.2	41420.9	35034.5	26608.8	19778.2	12643.8	7868.7
-20°	21750.3	26002.4	28417.6	29802.9	28417.6	26002.4	21750.3	16473.3	12032.1	7647.5	5679.3



REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	12218.7	14551.8	15860.0	16316.1	15860.0	14551.8	12218.7	9200.9	6908.2	5531.2	4602.6
-25°	6794.7	7388.5	7648.3	7709.5	7648.3	7388.5	6794.7	5880.5	5002.7	4609.1	4210.7
-27.5°	5185.3	5311.9	5392.1	5416.0	5392.1	5311.9	5185.3	4963.8	4708.4	4473.8	4234.9
-30°	4973.8	4987.0	5009.1	5005.5	5009.1	4987.0	4973.8	4885.5	4792.6	4593.9	4428.7
-32.5°	5011.6	5016.4	5020.9	5013.4	5020.9	5016.4	5011.6	4928.9	4811.5	4665.9	4520.5
-35°	4996.7	5011.0	5022.3	5027.6	5022.3	5011.0	4996.7	4921.2	4783.0	4633.0	4485.0
-37.5°	4904.2	4924.0	4933.7	4924.6	4933.7	4924.0	4904.2	4841.6	4684.1	4520.7	4326.9
-40°	4734.6	4748.9	4749.8	4742.3	4749.8	4748.9	4734.6	4691.5	4511.8	4309.9	4018.3
-42.5°	4538.0	4588.0	4611.6	4612.4	4611.6	4588.0	4538.0	4461.1	4208.8	3876.3	3401.9
-45°	4076.5	4285.4	4409.3	4439.6	4409.3	4285.4	4076.5	3807.1	3382.2	2890.7	2395.7
-47.5°	2782.8	2990.4	3125.4	3176.4	3125.4	2990.4	2782.8	2538.1	2231.9	1896.9	1580.4
-50°	1693.9	1719.0	1730.1	1727.7	1730.1	1719.0	1693.9	1669.0	1634.7	1583.2	1532.6
-52.5°	1661.0	1680.9	1693.1	1699.1	1693.1	1680.9	1661.0	1640.9	1614.6	1561.9	1507.8
-55°	1594.9	1619.8	1632.6	1635.7	1632.6	1619.8	1594.9	1564.7	1527.9	1455.9	1382.6
-57.5°	1398.5	1420.2	1432.7	1437.6	1432.7	1420.2	1398.5	1371.4	1339.2	1277.9	1211.0
-60°	1187.1	1205.3	1213.2	1214.1	1213.2	1205.3	1187.1	1163.4	1134.2	1084.4	1027.8
-62.5°	974.0	992.1	998.1	997.0	998.1	992.1	974.0	951.1	923.4	883.8	836.8
-65°	759.4	775.1	778.2	775.1	778.2	775.1	759.4	739.7	716.2	684.7	646.6
-67.5°	555.6	567.9	571.4	570.6	571.4	567.9	555.6	540.3	522.0	498.8	470.8
-70°	370.2	378.2	377.9	374.1	377.9	378.2	370.2	359.6	346.3	329.5	309.0
-72.5°	207.7	213.7	218.6	221.9	218.6	213.7	207.7	200.3	191.5	181.5	170.1
-75°	96.8	98.7	101.1	103.0	101.1	98.7	96.8	94.3	91.3	87.6	83.1
-77.5°	48.1	48.8	49.8	50.7	49.8	48.8	48.1	47.3	46.4	45.4	44.3
-80°	35.8	36.3	36.5	36.5	36.5	36.3	35.8	35.1	34.5	33.8	33.3
-82.5°	26.7	26.8	26.9	26.9	26.9	26.8	26.7	26.5	26.3	26.1	25.5
-85°	18.9	19.0	19.8	20.6	19.8	19.0	18.9	18.9	18.9	18.8	18.7
-87.5°	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.8	15.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	13.5	13.1	12.7	12.7	12.7	12.7	12.7	12.3	11.9	11.5	11.1
87.5°	0.8	1.1	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
85°	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8	1.8	1.9	1.8
80°	1.6	1.6	1.6	1.8	2.0	2.1	2.1	2.3	2.6	2.8	2.9
77.5°	1.6	1.6	1.7	2.3	2.8	3.2	3.4	3.6	3.8	4.0	4.0
75°	3.2	3.2	3.3	4.0	4.4	4.5	4.6	4.5	4.5	4.7	4.8
72.5°	6.4	6.6	7.2	8.3	9.0	9.6	9.7	9.0	7.9	6.1	4.8
70°	9.3	10.1	11.8	14.2	15.9	17.0	17.6	17.2	15.5	13.9	10.6
67.5°	10.7	12.2	14.8	18.0	20.5	22.7	25.3	27.7	28.0	26.2	18.9
65°	10.2	11.9	14.1	16.4	19.4	23.3	29.2	32.8	35.1	36.1	29.7
62.5°	8.2	9.3	10.8	12.8	15.3	19.4	26.8	33.1	38.4	39.5	33.4
60°	7.0	8.0	8.9	10.1	11.5	15.0	21.9	29.9	39.1	38.1	34.2
57.5°	6.1	6.8	7.9	8.8	9.4	12.0	16.7	23.3	31.8	32.7	31.4
55°	6.4	6.7	7.4	8.4	9.5	10.5	12.5	16.6	22.5	24.4	24.8
52.5°	7.8	7.5	7.5	7.6	8.6	9.7	10.6	12.9	14.9	17.5	18.9
50°	8.0	8.2	8.2	7.9	8.7	9.5	10.4	11.1	12.2	13.5	14.5
47.5°	11.0	10.9	9.7	9.4	11.1	10.6	11.2	11.8	12.5	12.2	12.9
45°	23.6	23.1	16.0	16.6	18.0	18.0	14.8	15.8	15.2	14.2	12.7
42.5°	74.4	56.1	49.2	36.4	29.1	29.0	27.3	25.1	22.8	18.9	18.1
40°	124.9	99.9	82.2	67.3	52.4	43.0	45.2	38.4	34.4	29.3	29.1
37.5°	133.4	93.9	109.0	103.3	82.6	78.1	78.1	65.0	47.9	58.0	57.1
35°	163.7	156.1	169.7	165.4	133.4	157.1	142.8	111.7	94.1	104.6	98.2
32.5°	330.9	335.9	317.8	294.2	286.4	282.9	256.4	197.4	187.7	180.4	158.6
30°	631.8	607.7	560.0	530.5	521.7	464.8	409.8	413.9	357.6	277.0	236.7
27.5°	1153.2	974.2	902.7	938.6	848.4	733.9	720.4	730.9	589.7	446.9	341.4
25°	1869.3	1609.2	1544.0	1521.8	1355.6	1194.4	1157.0	1109.4	947.1	671.1	471.7
22.5°	2764.2	2511.4	2357.9	2268.3	2049.7	1872.2	1711.1	1535.6	1371.1	1004.6	699.6
20°	3737.6	3430.0	3186.0	3001.1	2809.1	2570.4	2328.4	2026.2	1768.2	1420.0	976.1
17.5°	5590.8	4370.0	3899.1	3667.1	3481.2	3253.1	2856.6	2465.3	2161.5	1855.3	1281.3
15°	8126.4	5642.4	4599.9	4237.4	4004.4	3637.5	3267.3	2850.6	2547.6	2248.9	1626.6
12.5°	13572.6	7252.9	5221.3	4551.3	4208.5	3900.4	3593.0	3215.7	2852.1	2459.1	1872.9
10°	18658.1	9801.4	6102.1	4861.8	4373.8	4076.4	3768.8	3332.1	2920.2	2570.6	2082.1
7.5°	24648.8	12846.7	6999.8	5105.5	4510.3	4142.6	3767.6	3320.4	2954.3	2646.3	2254.8
5°	28367.3	14924.9	7561.2	5276.3	4604.5	4219.3	3765.5	3259.0	2959.6	2692.2	2391.2
2.5°	30430.0	16040.1	7821.4	5388.8	4665.4	4301.5	3802.0	3229.5	2959.4	2701.4	2433.2
0°	30669.9	16270.1	7790.3	5400.1	4701.1	4374.6	3888.0	3241.3	2952.9	2694.5	2442.5
-2.5°	30109.5	15795.4	7686.4	5354.5	4680.9	4364.1	4030.2	3368.8	3024.4	2724.9	2431.7
-5°	27122.0	14131.8	7176.7	5100.5	4494.5	4214.2	3944.7	3389.9	3025.6	2721.8	2388.3
-7.5°	22186.1	11662.0	6441.9	4780.4	4257.7	3998.1	3724.9	3283.0	2901.0	2614.8	2249.6
-10°	15876.1	8553.7	5504.2	4432.1	4014.0	3769.6	3524.6	3135.3	2764.6	2496.5	2085.0
-12.5°	11550.1	6344.0	4640.8	4044.6	3764.4	3576.2	3370.4	2966.6	2618.4	2368.3	1898.0
-15°	7196.9	5135.7	4245.9	3802.7	3533.1	3394.6	3234.6	2875.2	2590.6	2273.0	1691.6
-17.5°	5521.8	4337.7	3910.6	3631.5	3426.1	3262.5	3109.1	2855.3	2579.2	2194.1	1509.3
-20°	4515.1	4099.1	3770.8	3534.0	3373.3	3232.7	3044.9	2847.4	2538.6	1984.3	1332.7



REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4247.1	4022.5	3763.4	3520.2	3333.7	3173.3	2994.2	2794.4	2471.2	1707.2	1139.1
-25°	4136.5	4022.5	3826.7	3617.8	3346.3	3109.1	2932.5	2669.9	2131.9	1433.5	960.6
-27.5°	4174.8	4083.0	3961.5	3736.7	3443.7	3095.2	2815.4	2477.7	1744.7	1201.8	949.9
-30°	4320.5	4200.8	4052.4	3856.7	3515.9	3139.7	2710.7	2032.1	1433.9	1012.8	942.1
-32.5°	4420.5	4236.1	4060.9	3859.7	3546.1	3127.6	2339.2	1609.9	1127.2	1002.2	941.9
-35°	4342.6	4121.1	3892.7	3693.0	3513.4	2638.6	1837.4	1272.6	1056.7	992.0	939.8
-37.5°	4107.6	3835.7	3601.8	3334.0	2685.1	1975.6	1376.4	1131.6	1049.3	984.2	906.0
-40°	3724.7	3456.0	2953.6	2406.2	1890.9	1369.0	1206.4	1128.1	1053.1	954.3	855.6
-42.5°	2975.8	2518.6	2086.6	1665.6	1320.2	1266.8	1204.6	1134.4	1038.2	913.7	798.6
-45°	2057.6	1724.2	1406.4	1360.5	1310.4	1260.8	1212.2	1110.1	989.5	861.5	740.2
-47.5°	1489.3	1445.7	1401.0	1355.6	1307.6	1248.1	1154.6	1051.6	920.2	798.0	691.6
-50°	1480.5	1433.1	1389.0	1336.8	1248.0	1159.4	1063.0	959.2	840.6	733.6	633.5
-52.5°	1447.3	1372.7	1298.1	1222.2	1137.9	1045.7	950.8	858.3	758.7	659.0	565.1
-55°	1308.8	1234.6	1161.1	1087.0	1012.9	928.8	843.5	755.7	666.4	575.5	494.0
-57.5°	1141.7	1074.4	1011.6	948.7	886.3	807.3	724.3	643.9	568.6	491.1	419.7
-60°	970.0	912.8	856.2	797.3	736.6	669.0	597.9	530.1	465.9	408.3	350.8
-62.5°	787.0	734.8	686.5	636.3	583.5	527.1	472.2	424.9	377.6	328.2	273.9
-65°	606.0	563.0	520.6	483.4	446.8	410.7	369.7	325.6	280.5	236.2	191.4
-67.5°	441.2	410.4	381.4	352.9	321.8	288.7	251.1	213.3	183.1	154.8	123.7
-70°	286.5	262.1	237.7	212.9	191.9	173.0	151.8	129.0	105.2	88.3	74.1
-72.5°	157.6	143.9	130.1	116.2	101.1	91.5	82.6	72.3	61.4	49.8	41.4
-75°	78.1	72.6	67.0	61.5	55.2	48.2	44.4	41.7	39.1	36.5	33.8
-77.5°	43.1	41.9	40.7	39.4	37.9	36.2	34.3	32.4	30.8	29.3	27.8
-80°	32.8	32.1	31.3	30.1	28.9	27.6	26.4	25.3	24.3	23.4	22.6
-82.5°	24.8	24.2	23.6	22.9	22.3	21.7	21.2	20.5	19.8	19.0	18.2
-85°	18.5	18.3	18.1	17.9	17.7	17.5	17.3	16.8	16.4	15.9	15.6
-87.5°	15.0	14.6	14.2	14.1	14.1	14.0	14.0	13.9	13.7	13.6	13.4
-90°	0.0	0.0	0.0	0.4	0.8	1.2	1.6	1.6	1.6	1.6	1.6



REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	10.7	10.3	9.9	9.5	9.5	9.5	9.5	9.5	9.1	8.7	8.3
87.5°	1.9	2.1	2.3	2.5	2.6	2.8	3.0	3.2	3.4	3.5	3.6
85°	2.0	2.4	2.8	3.2	3.2	3.2	3.2	3.2	3.5	3.8	3.9
82.5°	2.1	2.4	2.8	3.2	3.5	3.6	3.7	3.6	3.8	4.0	4.3
80°	2.9	2.9	3.0	3.3	3.7	4.1	4.3	4.3	4.3	4.3	4.5
77.5°	3.8	3.5	3.2	3.3	3.7	4.1	4.5	4.8	4.7	4.6	4.6
75°	4.8	4.5	4.2	4.0	4.0	4.1	4.5	4.8	4.8	4.8	4.7
72.5°	4.8	4.8	4.8	4.8	4.5	4.5	4.6	4.8	4.8	4.8	4.8
70°	7.4	5.3	4.8	4.8	4.8	4.8	4.7	4.9	4.8	4.8	4.8
67.5°	12.1	8.5	6.1	5.0	4.8	4.8	4.8	5.0	5.0	4.8	4.8
65°	21.1	13.6	7.8	6.4	5.4	4.8	4.8	5.1	5.3	5.1	4.8
62.5°	27.2	20.5	13.5	8.8	6.5	5.4	4.8	5.2	5.5	5.5	5.1
60°	30.2	23.8	18.7	13.5	8.8	6.2	5.4	5.3	5.6	5.9	5.5
57.5°	27.9	25.5	21.7	17.3	12.5	8.1	6.1	5.7	5.7	6.0	5.9
55°	23.8	22.3	23.2	20.1	15.4	10.7	7.4	6.4	5.9	6.1	6.3
52.5°	18.8	20.1	22.2	21.8	17.9	13.2	9.7	7.0	6.4	6.1	6.5
50°	15.0	18.0	21.2	22.2	20.0	15.7	11.7	8.6	7.0	6.3	6.5
47.5°	13.9	16.8	19.6	22.6	21.5	18.0	13.8	10.1	7.6	6.8	6.6
45°	15.3	16.5	18.7	21.4	23.4	19.9	15.9	11.4	8.7	7.4	6.7
42.5°	18.7	18.9	19.0	20.5	23.0	21.5	17.9	13.1	9.7	8.0	7.0
40°	26.8	23.9	20.8	22.5	22.9	23.1	19.3	14.9	10.5	8.7	7.6
37.5°	37.3	32.4	26.7	28.1	24.9	23.6	20.7	16.5	11.8	9.7	8.1
35°	72.1	44.2	45.4	41.8	32.8	24.8	21.9	17.9	13.7	10.6	8.7
32.5°	117.0	85.0	83.7	64.6	43.5	26.6	23.3	19.8	15.7	11.4	9.3
30°	192.1	176.8	139.3	93.3	60.1	36.6	25.7	21.9	17.6	12.3	10.0
27.5°	310.3	286.0	215.0	144.6	87.6	49.5	30.3	24.2	19.6	13.4	10.7
25°	429.9	399.0	320.2	212.4	119.0	76.9	35.9	26.6	21.5	15.0	11.3
22.5°	549.5	509.0	436.8	290.7	166.5	112.1	50.2	30.9	23.4	16.5	11.9
20°	663.6	618.3	553.9	356.0	224.3	154.1	76.0	35.8	25.3	18.0	12.5
17.5°	796.3	701.4	604.6	424.8	281.7	196.1	105.7	41.1	27.2	19.5	13.1
15°	1000.3	751.3	650.5	486.1	331.5	237.9	138.5	46.7	29.2	20.9	13.6
12.5°	1185.7	797.8	695.8	539.9	374.3	279.1	173.2	52.5	31.0	22.1	14.1
10°	1359.0	840.9	739.8	586.4	410.7	319.3	208.6	58.4	33.4	23.0	14.5
7.5°	1516.1	880.5	781.5	625.8	439.1	345.6	232.6	64.3	35.9	23.9	14.9
5°	1639.9	911.7	815.8	653.8	450.0	355.5	251.5	69.8	38.4	24.5	15.3
2.5°	1680.9	931.6	843.1	675.5	458.5	362.2	266.5	74.9	40.7	25.0	15.6
0°	1689.6	947.8	865.4	691.1	464.4	366.1	277.4	79.3	42.8	25.4	15.9
-2.5°	1681.3	949.7	866.4	704.3	482.6	377.3	287.2	98.8	56.4	33.1	19.6
-5°	1643.0	948.6	863.0	711.1	497.6	386.4	293.2	117.3	69.4	40.4	23.2
-7.5°	1541.4	935.7	851.1	710.2	508.6	393.3	296.0	134.3	81.4	47.3	26.5
-10°	1410.4	914.1	828.8	695.1	515.9	401.7	297.0	149.7	92.3	53.4	29.4
-12.5°	1262.1	889.6	806.7	678.2	520.5	411.3	299.7	162.8	101.7	58.7	32.0
-15°	1100.2	862.1	786.2	660.6	522.8	418.7	299.5	173.5	109.6	63.8	34.0
-17.5°	933.7	831.8	768.4	643.8	523.0	423.9	296.8	181.6	116.2	68.9	36.3
-20°	901.9	818.9	751.9	628.9	521.4	426.9	291.6	186.9	121.4	72.8	38.6



REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	894.2	823.0	738.9	621.3	519.6	427.8	284.3	189.1	125.1	75.2	40.0
-25°	886.2	828.0	725.1	612.4	517.5	415.2	280.3	188.0	127.2	76.2	40.4
-27.5°	886.9	826.7	707.5	597.8	505.7	400.8	278.2	189.5	127.9	75.5	39.7
-30°	892.7	803.4	686.7	578.6	489.7	376.9	271.7	189.0	127.0	74.4	37.8
-32.5°	886.7	776.2	659.6	557.8	463.4	351.9	258.1	186.5	123.8	72.2	36.7
-35°	847.4	739.4	626.1	532.0	433.2	332.2	243.8	181.8	118.3	68.4	35.3
-37.5°	803.9	695.0	593.2	500.3	402.4	310.0	232.3	170.5	110.5	62.8	33.1
-40°	752.8	651.0	556.9	466.1	374.2	285.4	218.0	156.6	102.1	55.5	30.0
-42.5°	699.5	608.6	518.2	431.1	344.7	266.3	200.8	140.5	90.5	49.7	26.2
-45°	650.7	562.7	475.8	393.9	313.9	244.1	180.3	122.7	77.1	44.3	23.2
-47.5°	597.9	512.2	431.2	353.9	285.0	218.5	157.3	105.9	62.5	37.8	22.3
-50°	538.8	459.6	384.8	315.8	251.8	189.8	133.0	87.4	53.5	30.0	21.2
-52.5°	480.4	406.2	339.2	276.6	215.7	158.3	110.1	68.2	43.7	26.4	19.9
-55°	418.8	353.9	293.5	233.6	176.6	128.6	85.3	56.0	33.1	24.4	18.5
-57.5°	358.6	301.1	242.7	186.8	139.2	97.8	66.1	42.8	28.6	22.3	18.0
-60°	295.2	240.1	187.5	142.7	102.3	71.8	50.0	32.4	25.9	20.4	17.5
-62.5°	222.7	176.6	137.5	99.1	72.4	52.3	35.5	28.9	23.0	19.5	16.8
-65°	155.6	120.7	88.2	68.5	49.7	36.0	31.0	25.3	21.4	18.6	16.1
-67.5°	93.3	76.4	59.5	42.5	35.4	30.9	26.4	23.1	20.2	17.6	15.3
-70°	59.5	44.8	37.7	33.8	29.8	26.2	23.9	21.5	18.9	16.5	14.4
-72.5°	38.1	34.8	31.3	27.9	25.7	23.7	21.8	19.8	17.5	15.4	13.5
-75°	30.9	28.6	26.5	24.6	22.8	21.1	19.7	18.0	16.0	14.2	12.6
-77.5°	26.0	24.3	22.7	21.4	20.1	18.9	17.6	16.2	14.6	13.2	11.8
-80°	21.5	20.5	19.6	18.7	17.6	16.6	15.7	14.8	13.5	12.2	10.9
-82.5°	17.5	17.1	16.6	16.0	15.3	14.6	14.1	13.5	12.3	11.1	10.1
-85°	15.1	14.6	14.0	13.4	13.0	12.7	12.5	12.2	11.2	10.3	9.5
-87.5°	12.9	12.4	11.8	11.3	11.2	11.1	11.0	10.8	10.2	9.5	8.9
-90°	1.6	1.6	1.6	1.6	2.0	2.4	2.8	3.2	3.2	3.2	3.2



REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.9	7.5	7.1	6.7	6.3	5.6	4.8
87.5°	3.6	3.9	4.1	4.5	4.8	4.8	4.8
85°	4.0	4.1	4.3	4.5	4.8	4.9	4.8
82.5°	4.4	4.4	4.4	4.6	4.8	4.9	4.8
80°	4.8	4.6	4.6	4.6	4.8	4.9	4.8
77.5°	4.8	4.8	4.7	4.7	4.8	5.0	4.8
75°	4.8	4.9	4.8	4.7	4.8	5.0	4.8
72.5°	4.9	5.0	5.0	4.8	4.8	5.0	4.8
70°	4.9	5.1	5.1	4.8	4.9	5.1	4.8
67.5°	5.0	5.3	5.3	5.0	4.9	5.1	4.8
65°	5.0	5.3	5.4	5.1	4.9	5.1	4.8
62.5°	5.0	5.4	5.6	5.3	5.0	5.2	4.8
60°	5.1	5.4	5.7	5.4	5.0	5.2	4.8
57.5°	5.4	5.5	5.8	5.6	5.1	5.3	4.8
55°	5.8	5.5	5.8	5.8	5.3	5.3	4.8
52.5°	6.2	5.6	5.9	5.9	5.4	5.4	4.8
50°	6.6	5.9	5.9	6.1	5.5	5.4	4.8
47.5°	6.9	6.2	5.9	6.2	5.6	5.4	4.8
45°	7.0	6.5	6.0	6.3	5.7	5.5	4.8
42.5°	7.1	6.8	6.0	6.3	5.8	5.5	4.8
40°	7.1	7.1	6.2	6.3	5.8	5.6	4.8
37.5°	7.2	7.4	6.4	6.4	5.9	5.6	4.8
35°	7.3	7.5	6.6	6.4	6.0	5.7	4.8
32.5°	7.5	7.6	6.8	6.5	6.0	5.7	4.8
30°	8.0	7.7	7.0	6.5	6.1	5.8	4.8
27.5°	8.5	7.8	7.2	6.6	6.1	5.8	4.8
25°	8.9	7.8	7.4	6.7	6.2	5.9	4.8
22.5°	9.4	7.9	7.5	6.8	6.2	5.9	4.8
20°	9.9	8.0	7.6	6.9	6.2	6.0	4.8
17.5°	10.3	8.2	7.7	7.1	6.3	6.0	4.8
15°	10.8	8.4	7.8	7.2	6.3	6.1	4.8
12.5°	11.2	8.5	7.8	7.3	6.3	6.1	4.8
10°	11.5	8.7	7.9	7.4	6.3	6.1	4.8
7.5°	11.9	8.9	7.9	7.6	6.3	6.2	4.8
5°	12.2	9.1	7.9	7.7	6.3	6.2	4.8
2.5°	12.5	9.3	7.9	7.8	6.3	6.3	4.8
0°	12.7	9.5	7.9	7.9	6.3	6.3	4.8
-2.5°	13.9	10.0	8.2	8.0	6.4	6.3	4.8
-5°	15.1	10.5	8.5	8.1	6.4	6.4	4.8
-7.5°	16.2	11.0	8.7	8.2	6.5	6.4	4.8
-10°	17.2	11.4	9.0	8.2	6.6	6.4	4.8
-12.5°	18.1	11.8	9.2	8.3	6.6	6.4	4.8
-15°	18.8	12.2	9.5	8.4	6.7	6.5	4.8
-17.5°	19.3	12.5	9.7	8.4	6.8	6.5	4.8
-20°	19.9	12.7	9.8	8.4	6.8	6.5	4.8



REPORT NUMBER: P731574 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-80-2S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.7	12.9	10.0	8.5	6.9	6.5	4.8
-25°	21.0	13.1	10.1	8.5	7.0	6.5	4.8
-27.5°	20.8	13.3	10.2	8.5	7.0	6.5	4.8
-30°	20.2	13.4	10.3	8.5	7.1	6.5	4.8
-32.5°	19.0	13.4	10.4	8.4	7.2	6.5	4.8
-35°	18.5	13.2	10.5	8.4	7.2	6.5	4.8
-37.5°	18.3	13.1	10.5	8.4	7.3	6.5	4.8
-40°	18.0	13.2	10.5	8.3	7.3	6.5	4.8
-42.5°	17.5	13.2	10.5	8.3	7.4	6.4	4.8
-45°	16.9	13.1	10.5	8.2	7.4	6.4	4.8
-47.5°	16.1	13.1	10.4	8.2	7.5	6.4	4.8
-50°	15.9	12.9	10.3	8.2	7.5	6.4	4.8
-52.5°	15.6	12.8	10.2	8.3	7.6	6.3	4.8
-55°	15.3	12.5	10.1	8.4	7.6	6.3	4.8
-57.5°	15.0	12.3	9.9	8.4	7.7	6.3	4.8
-60°	14.6	11.9	9.7	8.4	7.7	6.2	4.8
-62.5°	14.1	11.6	9.6	8.4	7.6	6.2	4.8
-65°	13.6	11.2	9.4	8.3	7.5	6.1	4.8
-67.5°	13.0	10.8	9.3	8.3	7.4	6.1	4.8
-70°	12.4	10.5	9.1	8.2	7.3	6.0	4.8
-72.5°	11.7	10.1	8.9	8.1	7.2	6.0	4.8
-75°	11.1	9.7	8.7	7.9	7.1	5.9	4.8
-77.5°	10.3	9.2	8.4	7.7	7.0	5.9	4.8
-80°	9.6	8.8	8.2	7.5	6.8	5.8	4.8
-82.5°	9.1	8.5	7.9	7.3	6.7	5.7	4.8
-85°	8.7	8.2	7.6	7.1	6.6	5.7	4.8
-87.5°	8.3	7.8	7.4	6.9	6.4	5.6	4.8
-90°	3.2	3.6	4.0	4.4	4.8	4.8	4.8

(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

