

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: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680N-57-80-1S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680N-57-80-1S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

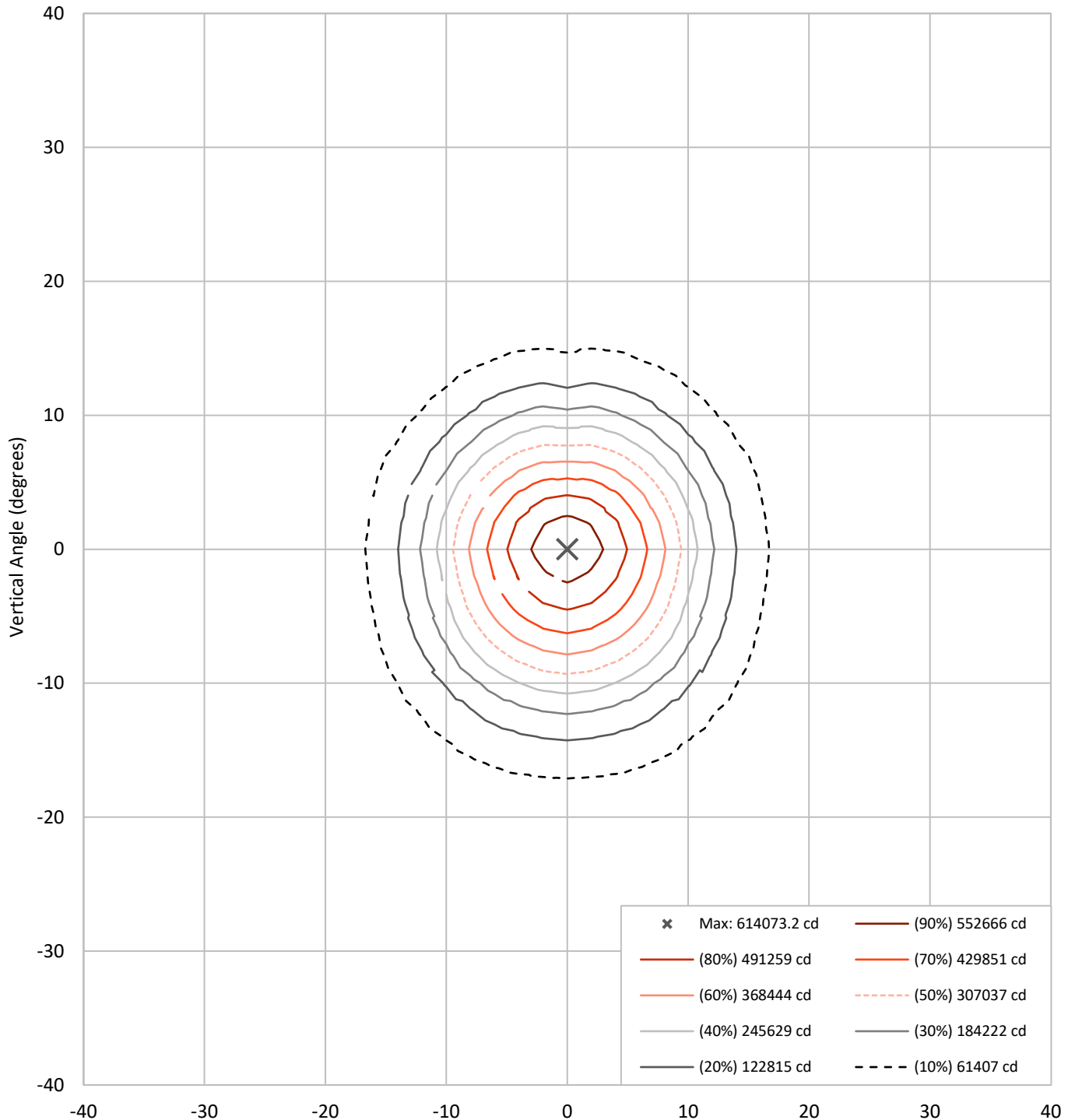
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	70797.4 lumens	Max Intensity:	614073.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	97.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 17.1°V	Field Angle (10%):	33.2°H x 31.5°V
Beam Lumens:	32610.9 lumens	Field Lumens:	59943.8 lumens
Beam Efficiency:	46.1%	Field Efficiency:	84.7%

Input Watts (W): 724.3
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: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

Iso-Candela Plot





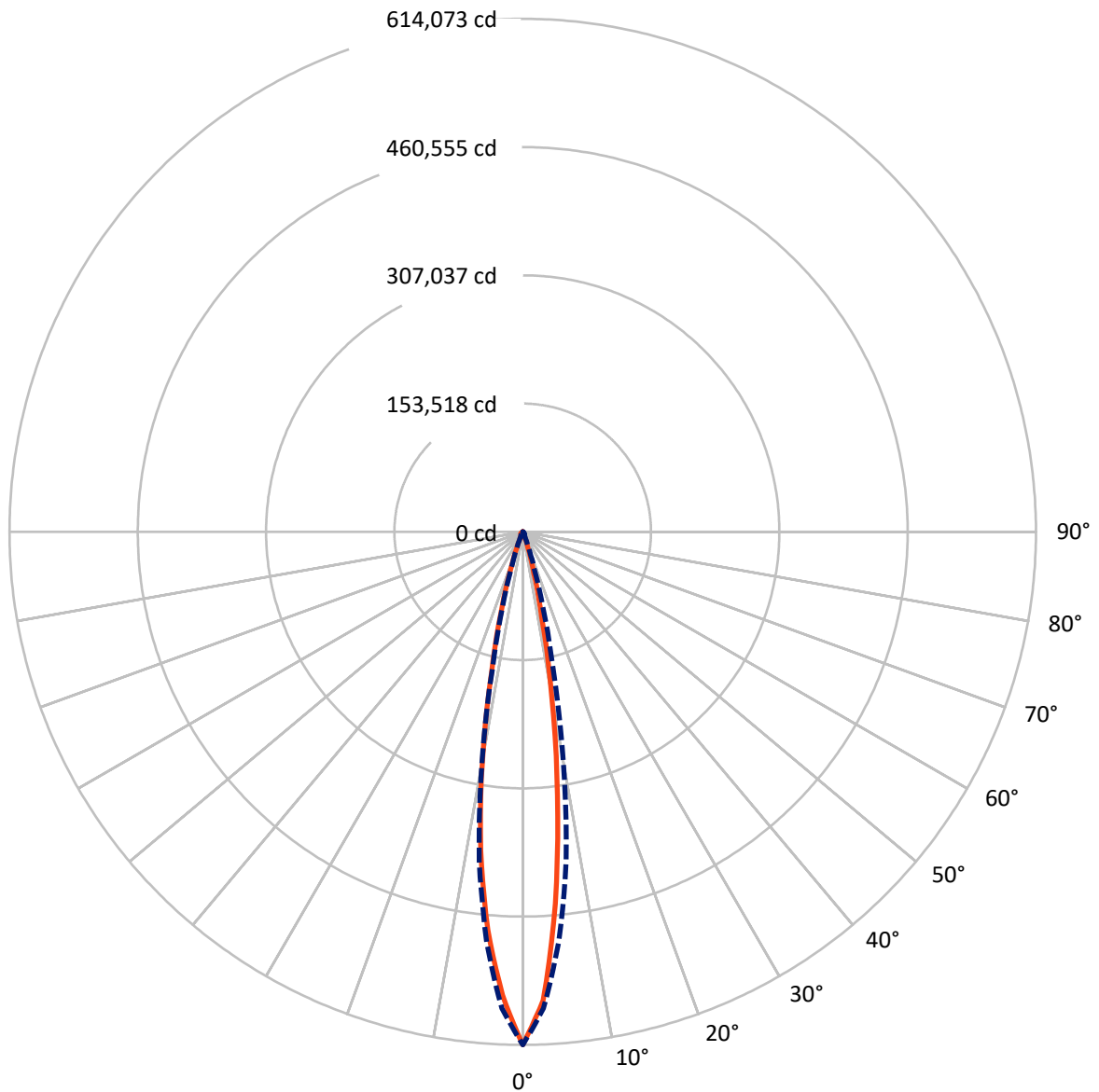
REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

Lumen Table

90		0.2		0.4		0.6		0.5		0.6		0.5		0.6		0.4		0.2	
80		0.2		0.4		0.6		0.5		0.6		0.5		0.6		0.4		0.2	
70		0.2	0.1	0.2	0.5	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.5	0.2	0.1	0.2		
60	0.1		0.3	0.6	0.4	0.3	0.2	0.3	0.3	0.2	0.3	0.4	0.6	0.3	0.1				
50		0.2	0.2	0.4	0.5	0.6	0.8	1.0	1.2	1.2	1.0	0.8	0.6	0.5	0.4	0.2	0.2		
40	0.2		0.8	1.5	3.4	5.4	5.7	6.6	6.6	5.7	5.4	3.4	1.5	0.8	0.2				
30		0.2	0.4	2.5	8.6	22.8	27.8	36.8	68.5	68.5	36.8	27.8	22.8	8.6	2.5	0.4	0.2		
20	0.8		5.5	22.3	48.7	68.5	467.5	1880.0	1880.0	467.5	68.5	48.7	22.3	5.5	0.8				
10		0.3	1.6	9.4	43.1	73.6	170.5	2442.7	10541.9	10541.9	2442.7	170.5	73.6	43.1	9.4	1.6	0.3		
0	2.6		12.4	50.8	85.0	169.3	2650.1	11282.7	11282.7	2650.1	169.3	85.0	50.8	12.4	2.6				
-10		0.5	3.0	12.8	47.7	90.5	106.3	768.7	2910.7	2910.7	768.7	106.3	90.5	47.7	12.8	3.0	0.5		
-20	2.9		11.1	26.4	69.0	85.6	104.4	193.1	193.1	104.4	85.6	69.0	26.4	11.1	2.9				
-30		0.4	2.4	8.4	15.5	38.4	72.9	87.2	90.4	90.4	87.2	72.9	38.4	15.5	8.4	2.4	0.4		
-40	1.6		5.8	12.2	19.7	35.6	65.2	90.0	90.0	65.2	35.6	19.7	12.2	5.8	1.6				
-50		0.3	0.7	3.3	8.2	15.1	21.5	26.7	29.8	29.8	26.7	21.5	15.1	8.2	3.3	0.7	0.3		
-60	0.3		1.1	3.8	8.0	13.0	18.3	21.6	21.6	18.3	13.0	8.0	3.8	1.1	0.3				
-70		0.2		0.9		2.9		7.1		10.5		7.1		2.9		0.9		0.2	
-80		0.2		0.9		2.9		7.1		10.5		7.1		2.9		0.9		0.2	
-90		0.2		0.9		2.9		7.1		10.5		7.1		2.9		0.9		0.2	

REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

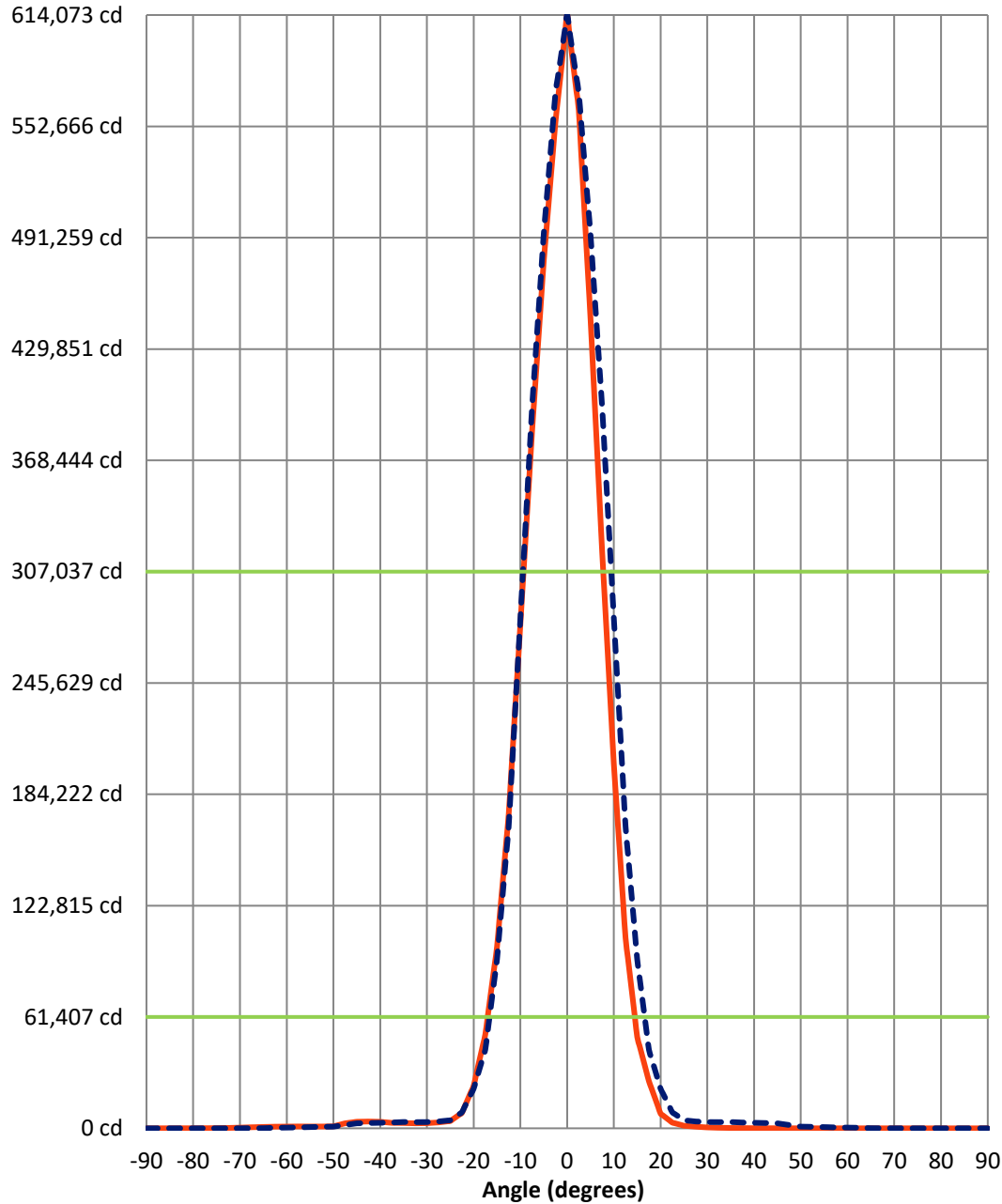
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

Luminous Intensity Plot



Beam:
 H Angle: 18.9°
 V Angle: 17.1°
 Lumens: 32610.9
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 31.5°
 Lumens: 59943.8
 Efficiency: 84.7%

Spill:
 Lumens: 10853.6
 Efficiency: 15.3%

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



REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.9	8.3	8.7	9.1
87.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.1	6.8	6.4	6.0
85°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.1	6.8	6.4	6.0
82.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.1	6.8	6.6	6.4
80°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.2	7.0	7.0	7.0
77.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.3	7.3	7.4	7.5
75°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.5	7.5	7.5
72.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
70°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.6
67.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.7	7.7
65°	7.5	7.5	7.5	7.5	7.5	7.6	7.6	7.5	7.8	8.0	7.8
62.5°	7.5	7.5	7.5	7.5	7.5	7.7	7.7	7.8	8.2	8.3	7.9
60°	7.5	7.5	7.5	7.5	7.5	7.8	7.8	8.2	8.6	8.3	8.0
57.5°	7.5	7.5	7.5	7.5	7.6	8.0	8.1	8.7	8.8	8.4	8.1
55°	7.5	7.5	7.5	7.5	7.8	8.1	8.4	9.1	8.8	8.5	8.2
52.5°	7.5	7.5	7.5	7.5	8.0	8.3	8.7	9.1	8.9	8.6	8.3
50°	7.5	7.5	7.5	7.5	8.2	8.5	8.9	9.1	9.0	8.7	9.3
47.5°	7.5	7.5	7.5	7.5	8.3	8.7	9.1	9.1	9.1	8.8	10.2
45°	7.5	7.5	7.5	7.7	8.5	8.8	9.1	9.1	9.2	9.4	11.0
42.5°	7.5	7.5	7.5	7.8	8.7	8.9	9.1	9.2	9.2	9.9	12.0
40°	7.5	7.5	7.5	8.0	8.9	9.0	9.1	9.3	9.5	10.3	12.8
37.5°	7.5	7.5	7.5	8.1	8.9	9.1	9.1	9.4	9.9	11.0	13.4
35°	7.5	7.5	7.5	8.2	9.0	9.1	9.1	9.6	10.3	12.1	13.9
32.5°	7.5	7.5	7.5	8.3	9.1	9.1	9.1	9.8	10.7	13.3	15.6
30°	7.5	7.5	7.5	8.5	9.1	9.1	9.3	10.1	11.1	14.8	17.6
27.5°	7.5	7.5	7.5	8.6	9.1	9.1	9.5	10.4	11.8	16.4	19.9
25°	7.5	7.5	7.5	8.6	9.1	9.1	9.6	10.7	13.0	18.2	22.5
22.5°	7.5	7.5	7.5	8.7	9.1	9.1	9.8	11.0	14.3	20.2	26.4
20°	7.5	7.5	7.5	8.8	9.1	9.2	10.0	11.3	15.6	22.4	30.2
17.5°	7.5	7.5	7.5	8.9	9.1	9.4	10.3	11.5	17.0	24.6	33.9
15°	7.5	7.5	7.5	8.9	9.1	9.5	10.6	11.9	18.3	26.9	37.3
12.5°	7.5	7.5	7.5	9.0	9.1	9.7	10.9	12.4	19.7	29.2	40.6
10°	7.5	7.5	7.5	9.0	9.1	9.9	11.2	13.0	21.2	31.9	45.4
7.5°	7.5	7.5	7.5	9.1	9.1	10.1	11.4	13.5	22.5	34.7	53.9
5°	7.5	7.5	7.5	9.1	9.1	10.2	11.7	14.1	23.6	37.3	62.8
2.5°	7.5	7.5	7.5	9.1	9.1	10.4	11.9	14.6	24.7	39.9	71.6
0°	7.5	7.5	7.5	9.1	9.1	10.6	12.1	15.1	25.6	42.2	80.0
-2.5°	7.5	7.5	7.6	9.1	9.2	10.8	12.9	18.2	32.4	54.8	101.3
-5°	7.5	7.5	7.6	9.1	9.4	10.9	13.6	21.1	38.8	66.8	121.4
-7.5°	7.5	7.5	7.7	9.1	9.5	11.0	14.3	23.8	44.7	78.0	139.7
-10°	7.5	7.5	7.8	9.0	9.6	11.1	14.9	26.1	49.9	87.9	155.7
-12.5°	7.5	7.5	7.8	9.0	9.7	11.2	15.4	28.1	54.3	96.6	168.2
-15°	7.5	7.5	7.9	9.0	9.8	11.3	15.8	29.5	59.2	105.8	178.1
-17.5°	7.5	7.5	7.9	9.0	9.8	11.4	16.0	31.8	64.6	113.4	185.5
-20°	7.5	7.5	8.0	9.0	9.9	11.4	16.6	34.3	68.8	119.3	190.4



REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.5	7.5	8.0	8.9	9.9	11.5	17.6	35.9	71.4	123.4	192.6
-25°	7.5	7.5	8.1	8.9	9.9	11.8	18.1	36.5	72.5	125.6	192.0
-27.5°	7.5	7.5	8.1	8.9	9.9	12.1	18.3	35.9	71.9	126.1	193.7
-30°	7.5	7.5	8.1	8.9	9.8	12.3	17.9	34.2	70.8	125.3	192.9
-32.5°	7.5	7.5	8.1	9.0	9.9	12.5	17.0	33.4	68.8	122.0	189.5
-35°	7.5	7.5	8.1	9.0	9.9	12.5	16.8	32.4	65.1	116.3	183.3
-37.5°	7.5	7.5	8.1	9.0	9.9	12.5	16.8	30.5	59.7	108.1	167.1
-40°	7.5	7.5	8.0	9.1	9.9	12.5	16.7	27.9	52.5	99.6	149.6
-42.5°	7.5	7.5	8.0	9.1	9.9	12.4	16.4	24.4	47.0	86.6	130.9
-45°	7.5	7.5	8.0	9.2	9.9	12.3	16.0	21.8	42.1	72.2	111.5
-47.5°	7.5	7.5	7.9	9.2	10.0	12.0	15.4	21.0	36.0	57.1	94.5
-50°	7.5	7.5	7.8	9.1	10.0	11.8	15.0	20.1	28.3	48.4	76.5
-52.5°	7.5	7.5	7.8	9.0	9.9	11.4	14.5	18.9	24.7	39.2	58.7
-55°	7.5	7.5	7.7	8.8	9.9	11.2	14.0	17.6	22.8	29.6	47.9
-57.5°	7.5	7.5	7.6	8.7	9.8	11.1	13.3	16.8	20.8	25.6	36.6
-60°	7.5	7.5	7.5	8.5	9.6	10.8	12.7	15.8	18.9	23.3	27.9
-62.5°	7.5	7.5	7.5	8.4	9.4	10.6	12.2	14.7	17.8	21.0	25.3
-65°	7.5	7.5	7.5	8.2	9.2	10.2	11.7	13.8	16.5	19.4	22.5
-67.5°	7.5	7.5	7.5	8.0	9.0	9.9	11.2	13.0	15.3	17.9	20.6
-70°	7.5	7.5	7.5	7.9	8.8	9.7	10.6	12.2	14.2	16.5	19.0
-72.5°	7.5	7.5	7.5	7.8	8.5	9.4	10.2	11.4	13.2	15.1	17.3
-75°	7.5	7.5	7.5	7.8	8.3	9.1	9.8	10.8	12.0	13.7	15.6
-77.5°	7.5	7.5	7.5	7.7	8.2	8.8	9.5	10.3	11.3	12.5	13.9
-80°	7.5	7.5	7.5	7.7	8.0	8.5	9.1	9.8	10.6	11.5	12.6
-82.5°	7.5	7.5	7.5	7.7	7.9	8.3	8.7	9.3	9.9	10.6	11.4
-85°	7.5	7.5	7.5	7.6	7.8	8.0	8.3	8.8	9.3	9.9	10.4
-87.5°	7.5	7.5	7.5	7.6	7.6	7.8	7.9	8.4	8.8	9.3	9.7
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.1	6.8	6.4	6.0



REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
87.5°	6.0	6.0	6.0	6.0	5.6	5.3	4.9	4.5	4.5	4.5	4.5
85°	6.0	6.0	6.0	6.0	5.6	5.3	4.9	4.5	4.5	4.5	4.5
82.5°	6.4	6.4	6.2	6.0	5.7	5.3	4.9	4.7	4.7	4.7	4.7
80°	7.0	6.8	6.4	6.1	5.8	5.7	5.7	5.7	5.6	5.3	4.9
77.5°	7.2	6.8	6.5	6.1	6.0	6.2	6.2	6.1	5.7	5.4	5.0
75°	7.2	6.9	6.7	6.7	6.8	6.7	6.5	6.1	5.9	5.7	5.7
72.5°	7.3	7.2	7.2	7.5	7.3	6.9	6.6	6.2	6.5	7.3	7.9
70°	7.4	7.5	7.5	7.5	7.4	7.1	7.5	8.5	9.8	11.4	14.0
67.5°	7.5	7.5	7.5	7.5	7.5	8.0	9.1	14.7	21.3	24.2	25.3
65°	7.5	7.5	7.5	7.5	7.5	11.7	17.9	25.6	33.7	35.1	34.2
62.5°	7.5	7.5	7.5	8.6	12.1	17.8	25.1	33.3	42.8	43.0	37.6
60°	7.6	7.5	9.0	12.4	16.6	22.1	30.3	37.0	44.0	47.1	36.1
57.5°	7.7	8.7	11.8	15.8	20.2	24.5	29.3	35.8	39.2	39.6	29.2
55°	8.4	10.7	14.4	18.9	22.4	22.2	25.8	28.7	29.8	28.2	20.2
52.5°	9.9	12.6	16.9	21.1	22.5	20.8	20.1	22.0	21.2	18.2	14.9
50°	11.3	14.8	19.2	22.7	22.5	19.2	16.3	17.2	16.4	14.3	12.1
47.5°	12.8	16.7	22.0	24.3	21.5	19.3	16.7	15.8	15.0	15.3	13.6
45°	14.2	18.6	24.4	23.9	22.2	21.3	19.2	16.5	19.2	19.6	19.1
42.5°	15.4	20.2	24.3	23.9	25.2	24.6	22.8	24.0	25.4	26.7	27.3
40°	16.5	21.5	24.7	28.3	29.0	28.8	31.2	33.4	33.5	35.8	37.5
37.5°	17.2	22.7	27.8	36.2	33.4	36.1	41.0	45.3	47.8	45.9	51.4
35°	17.7	24.7	37.7	46.5	44.0	46.2	53.9	62.4	70.9	66.0	75.5
32.5°	19.1	27.5	50.2	58.1	66.6	67.1	68.4	92.1	110.2	118.3	122.8
30°	22.4	39.0	64.2	71.7	98.4	104.0	103.1	132.4	165.7	245.1	305.9
27.5°	27.1	53.0	77.2	99.7	137.6	147.5	161.5	195.2	297.5	448.5	619.3
25°	31.7	71.3	91.4	137.5	179.9	200.1	224.2	275.1	481.8	820.3	944.1
22.5°	41.4	91.7	114.3	180.7	226.6	254.2	298.0	422.3	707.9	1227.9	1261.2
20°	57.2	110.8	147.7	221.6	277.5	307.8	371.6	574.9	959.1	1338.0	1485.4
17.5°	73.8	131.9	184.4	262.8	332.7	375.7	454.3	720.1	1154.8	1480.5	1654.2
15°	90.8	154.6	218.1	308.4	392.9	460.8	617.6	916.2	1290.5	1648.8	1898.7
12.5°	107.9	178.3	249.2	357.0	457.5	545.9	815.1	1240.4	1587.0	1875.1	2205.2
10°	124.6	202.5	277.5	407.2	524.9	630.0	1032.4	1589.6	1931.1	2185.3	2474.5
7.5°	165.2	239.7	309.0	457.4	593.3	712.3	1259.4	1951.2	2243.9	2450.9	2668.7
5°	210.9	289.4	369.6	532.1	667.8	790.9	1480.4	2310.5	2531.0	2681.2	2816.7
2.5°	256.1	337.3	428.7	606.5	742.1	863.3	1666.8	2544.5	2733.4	2876.3	2984.3
0°	298.7	383.2	485.8	675.8	811.6	930.8	1826.9	2742.6	2913.1	3056.4	3186.1
-2.5°	322.5	420.3	528.5	702.2	819.5	935.0	1702.2	2675.1	2929.5	3120.7	3314.3
-5°	341.1	454.5	568.1	724.6	825.1	935.4	1556.2	2558.5	2949.1	3186.8	3423.4
-7.5°	354.4	484.9	604.2	742.8	831.9	939.1	1548.3	2599.8	3066.8	3282.2	3514.3
-10°	360.2	496.4	611.6	746.5	839.9	943.2	1529.0	2580.7	3180.3	3381.5	3589.9
-12.5°	348.9	490.9	609.5	745.3	846.6	942.8	1450.7	2494.4	3293.5	3490.3	3627.1
-15°	335.9	482.9	602.3	739.0	852.3	938.0	1305.5	2336.7	3314.0	3440.2	3575.0
-17.5°	322.0	472.6	589.4	727.4	857.2	928.6	1075.9	1938.7	2972.3	3275.4	3489.7
-20°	307.9	460.0	570.5	710.5	857.8	897.4	972.5	1556.0	2427.0	3038.3	3320.7



REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	294.4	445.3	549.1	687.6	801.1	850.6	905.5	1201.0	1857.9	2733.3	3022.3
-25°	288.3	422.9	529.3	639.7	742.9	801.6	833.2	914.1	1390.1	2157.5	2691.1
-27.5°	286.1	403.4	499.9	593.6	692.8	748.6	773.1	832.8	1091.0	1602.6	2323.3
-30°	280.3	373.8	468.8	551.8	643.0	697.0	717.1	769.7	857.9	1228.7	1751.4
-32.5°	263.5	343.1	434.5	515.9	595.2	657.6	684.4	732.2	795.8	908.9	1284.0
-35°	242.5	317.0	398.8	478.9	551.8	619.7	667.0	701.5	744.8	801.9	986.0
-37.5°	223.9	289.7	362.8	440.3	510.4	580.3	647.4	678.9	712.8	756.4	833.6
-40°	203.6	261.2	330.3	400.9	469.6	537.6	602.8	659.6	686.5	731.6	784.6
-42.5°	181.8	237.0	298.2	361.6	427.2	491.4	555.8	616.3	674.5	710.1	752.5
-45°	159.7	211.0	265.7	325.1	383.6	443.9	504.1	566.3	638.2	700.4	731.4
-47.5°	136.3	183.8	235.3	287.9	341.9	396.3	451.2	518.2	590.0	657.4	722.6
-50°	112.9	156.6	204.0	253.4	301.6	350.4	400.4	470.3	539.7	605.4	667.7
-52.5°	92.0	128.1	173.0	219.8	264.0	307.4	358.7	422.5	488.8	553.6	612.9
-55°	70.2	103.0	140.4	184.4	228.6	268.0	317.7	375.8	435.7	498.1	556.3
-57.5°	54.1	78.2	110.3	146.5	188.7	232.5	280.4	329.0	383.5	440.0	491.5
-60°	41.1	57.7	81.5	112.0	145.1	188.4	240.5	288.5	334.4	379.4	427.6
-62.5°	29.5	42.7	58.5	78.9	107.4	141.0	185.0	234.4	287.6	326.6	364.7
-65°	26.5	30.5	41.3	55.9	70.9	98.6	131.7	168.8	213.6	253.3	293.9
-67.5°	23.5	27.1	30.8	36.4	49.7	64.5	80.0	109.6	142.1	169.7	198.4
-70°	21.3	23.9	27.1	30.4	33.8	40.4	53.5	67.2	80.6	96.0	119.2
-72.5°	19.3	21.3	23.7	26.4	29.5	32.8	36.4	40.3	48.2	58.1	67.7
-75°	17.1	18.6	20.4	22.5	24.9	27.5	30.4	33.5	36.2	38.7	41.2
-77.5°	15.0	16.1	17.3	18.6	20.1	22.0	24.1	26.4	28.5	30.4	32.2
-80°	13.1	13.6	14.4	15.3	16.5	17.7	18.8	20.0	21.0	22.4	23.9
-82.5°	11.5	11.7	12.0	12.3	13.1	14.0	14.8	15.8	16.4	17.1	17.8
-85°	10.2	9.9	9.8	9.8	10.4	11.1	11.8	12.4	12.7	13.0	13.2
-87.5°	9.6	9.5	9.3	9.1	9.3	9.6	9.9	10.2	10.2	10.2	10.3
-90°	6.0	6.0	6.0	6.0	5.6	5.3	4.9	4.5	4.5	4.5	4.5



REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	9.1	9.5	9.9	10.2	10.6	11.3	12.1	12.8	13.6	19.2	24.9
87.5°	4.5	4.1	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5
85°	4.5	4.1	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5
82.5°	4.5	4.2	3.8	3.4	3.0	2.7	2.3	1.9	1.5	1.5	1.5
80°	4.6	4.2	3.8	3.4	3.1	2.9	2.8	2.8	2.8	2.5	2.2
77.5°	4.7	4.5	4.3	4.1	3.9	3.7	3.6	3.3	3.0	2.7	2.3
75°	5.9	5.9	5.7	5.3	4.7	4.2	3.8	3.5	3.1	3.0	2.9
72.5°	8.3	8.2	7.7	7.4	6.7	6.2	6.1	5.8	5.5	5.5	5.7
70°	15.5	15.8	15.1	13.6	11.6	10.2	9.6	8.7	7.6	7.4	7.9
67.5°	24.3	22.3	20.6	18.6	15.8	13.5	12.4	11.2	10.2	10.0	10.3
65°	30.7	24.3	20.8	18.3	16.4	14.6	13.2	11.7	10.3	9.5	9.3
62.5°	30.7	22.0	17.7	15.7	14.3	13.2	11.2	9.5	7.9	7.0	7.0
60°	26.4	18.1	13.4	11.6	10.2	9.1	8.2	7.2	6.5	6.0	6.1
57.5°	20.1	13.1	9.1	8.9	8.5	7.8	7.4	7.1	6.6	6.0	6.4
55°	14.0	10.9	9.2	9.3	9.4	9.3	8.8	8.0	7.4	7.0	7.2
52.5°	11.2	10.9	11.4	11.6	10.7	9.9	9.0	9.0	9.1	9.4	9.8
50°	11.9	12.4	12.6	11.9	11.4	11.0	10.5	11.0	11.7	12.2	12.7
47.5°	13.8	14.4	14.9	13.4	13.5	14.4	13.9	14.1	16.9	19.1	20.6
45°	18.1	20.3	20.7	21.0	20.7	22.7	23.9	25.0	30.7	32.9	32.9
42.5°	27.9	31.2	33.3	35.5	33.8	39.9	48.7	54.6	53.1	51.0	51.7
40°	42.1	48.2	56.9	61.6	66.8	73.7	76.1	66.0	64.4	72.6	73.4
37.5°	63.9	80.6	99.1	113.2	115.6	112.5	108.9	107.3	109.6	115.1	123.3
35°	105.1	144.3	161.3	170.2	175.7	159.1	152.9	158.9	153.7	168.9	174.1
32.5°	186.3	236.6	251.4	258.1	271.7	255.0	218.0	261.8	245.2	242.8	259.6
30°	295.2	365.7	426.2	430.7	420.9	418.3	439.5	445.2	425.5	425.3	491.7
27.5°	565.6	581.6	688.7	737.1	616.0	625.2	683.0	652.2	724.0	793.2	847.9
25°	895.7	908.9	1096.0	1067.5	939.2	975.7	1009.5	1002.8	1085.9	1169.2	1263.9
22.5°	1199.0	1253.3	1407.0	1367.4	1310.2	1325.9	1357.0	1418.5	1530.3	1699.5	2140.6
20°	1441.0	1476.3	1551.0	1585.0	1588.3	1619.2	1718.3	1887.9	2236.1	3378.1	4756.8
17.5°	1674.3	1619.7	1709.5	1768.3	1831.8	1945.4	2175.6	2870.5	4549.4	8011.0	11403.1
15°	2013.1	1979.5	1926.7	2007.1	2183.6	2415.7	2953.5	5494.2	11198.0	17688.5	24436.7
12.5°	2382.2	2337.8	2264.9	2332.8	2600.8	3014.2	5542.3	11981.0	21098.5	32734.6	55400.6
10°	2676.5	2656.6	2611.2	2755.2	3104.9	4350.7	8828.8	18959.9	32517.3	59509.9	92505.9
7.5°	2856.6	2847.4	2886.2	3122.1	3598.4	6353.9	14432.8	28539.6	52363.0	89836.2	145226.9
5°	3053.4	3039.3	3101.7	3387.7	3951.2	7638.2	18810.2	37145.3	72624.0	124469.3	204908.8
2.5°	3264.5	3232.0	3296.3	3622.3	4227.5	7923.0	19792.8	39722.7	84651.3	151166.5	258939.1
0°	3477.3	3410.9	3445.6	3771.5	4433.7	8856.9	21829.2	43438.2	93153.7	166612.0	281235.2
-2.5°	3494.7	3382.1	3416.6	3717.8	4352.0	7625.8	18952.5	40014.6	88535.6	155023.3	257546.6
-5°	3524.1	3377.3	3367.6	3631.6	4235.4	6957.2	16079.1	36596.4	78222.0	136418.7	225260.1
-7.5°	3578.7	3405.3	3321.8	3517.1	4050.5	6048.0	13118.1	30465.3	63281.2	111264.1	175643.4
-10°	3668.4	3482.0	3345.5	3431.2	3817.0	4932.5	8679.7	22142.9	47901.0	83887.1	127525.1
-12.5°	3779.0	3692.9	3488.0	3369.4	3581.3	4185.7	6822.4	16543.7	33654.7	53071.8	84905.9
-15°	3830.3	3862.8	3714.8	3479.0	3492.9	3866.8	4771.5	9058.2	21125.7	35233.8	50937.8
-17.5°	3760.5	3914.4	3743.4	3472.8	3363.1	3584.7	4007.9	5579.5	9762.2	18823.9	28034.3
-20°	3556.9	3607.2	3572.2	3409.8	3294.7	3306.8	3516.3	3923.8	4739.8	7706.2	10966.2



REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3179.5	3211.9	3202.8	3323.0	3194.0	3136.0	3181.5	3339.6	3592.9	3977.7	5056.5
-25°	2858.0	2844.2	2918.6	3119.7	3151.4	3011.2	2974.6	2986.1	3130.1	3300.8	3537.3
-27.5°	2551.1	2644.0	2807.4	3011.5	3100.1	3005.8	2887.3	2809.8	2879.1	2933.0	3039.1
-30°	2294.4	2534.3	2705.6	2891.5	3025.0	3010.0	2894.6	2856.6	2823.9	2785.8	2812.7
-32.5°	1885.7	2402.0	2578.7	2730.6	2892.3	2957.8	2956.9	2940.8	2955.6	2924.6	2855.3
-35°	1465.5	2021.9	2481.0	2565.4	2669.9	2824.3	2942.7	2961.5	2979.2	2978.4	2961.8
-37.5°	1051.3	1568.5	2033.8	2375.9	2498.7	2611.8	2832.5	2950.4	2988.8	3049.9	3072.3
-40°	862.2	1017.3	1482.4	1900.8	2183.0	2525.7	2755.0	2968.3	3187.7	3316.1	3388.7
-42.5°	805.5	869.9	938.2	1260.0	1662.3	2038.6	2398.0	2804.2	3115.9	3358.1	3599.5
-45°	764.6	806.0	851.3	914.6	977.9	1296.7	1662.8	2030.5	2375.5	2723.2	3056.9
-47.5°	748.4	763.6	795.1	831.2	873.4	929.1	982.0	1063.9	1348.6	1630.6	1933.0
-50°	722.4	760.4	774.0	787.1	821.2	853.8	879.1	913.8	948.2	969.8	998.3
-52.5°	667.6	716.5	758.4	796.8	818.9	837.9	854.6	883.0	909.6	932.7	948.7
-55°	610.9	661.5	709.7	756.9	801.1	843.5	880.3	900.7	921.2	941.9	950.4
-57.5°	544.3	597.6	649.7	698.9	747.1	794.1	835.9	873.6	909.7	943.1	964.0
-60°	474.5	520.0	572.6	627.2	677.5	723.9	770.0	813.7	854.0	888.2	909.8
-62.5°	406.6	449.9	493.3	542.4	597.0	649.6	691.3	733.6	776.2	813.5	840.6
-65°	333.0	369.2	403.9	441.0	480.0	522.3	566.2	609.5	651.8	687.3	714.0
-67.5°	232.5	267.2	299.3	331.1	360.4	390.0	421.7	453.7	485.7	513.8	537.6
-70°	141.7	162.8	181.5	201.7	226.0	250.8	275.8	298.7	319.6	336.8	350.7
-72.5°	76.7	84.8	93.8	108.8	122.6	137.4	152.7	166.8	179.7	191.7	202.4
-75°	43.8	47.5	53.9	59.6	64.8	71.1	77.9	84.5	90.8	96.9	102.5
-77.5°	34.1	36.0	37.7	39.4	41.0	43.3	45.9	48.5	51.2	55.7	60.5
-80°	25.4	26.6	27.8	29.0	30.1	31.6	33.2	34.6	36.0	38.0	39.9
-82.5°	18.5	19.1	19.6	20.0	20.5	21.5	22.6	23.6	24.6	26.8	28.9
-85°	13.5	13.7	13.9	14.1	14.3	14.8	15.3	15.8	16.3	18.2	20.2
-87.5°	10.3	10.4	10.5	10.6	10.6	11.0	11.4	11.8	12.1	14.1	16.0
-90°	4.5	4.1	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.8



REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	30.5	36.2	41.5	46.8	41.5	36.2	30.5	24.9	19.2	13.6	12.8
87.5°	1.5	1.5	0.7	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.9
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
80°	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.2	2.5	2.8	2.8
77.5°	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.3	2.7	3.0	3.3
75°	2.9	3.0	3.0	3.0	3.0	3.0	2.9	2.9	3.0	3.1	3.5
72.5°	5.8	5.9	6.0	6.0	6.0	5.9	5.8	5.7	5.5	5.5	5.8
70°	8.4	9.0	9.8	10.6	9.8	9.0	8.4	7.9	7.4	7.6	8.7
67.5°	10.4	10.5	9.2	7.5	9.2	10.5	10.4	10.3	10.0	10.2	11.2
65°	9.2	9.2	8.4	7.5	8.4	9.2	9.2	9.3	9.5	10.3	11.7
62.5°	7.2	7.5	7.5	7.5	7.5	7.5	7.2	7.0	7.0	7.9	9.5
60°	6.1	6.1	6.0	6.0	6.0	6.1	6.1	6.1	6.0	6.5	7.2
57.5°	6.8	7.3	7.5	7.5	7.5	7.3	6.8	6.4	6.0	6.6	7.1
55°	7.4	7.5	8.1	9.1	8.1	7.5	7.4	7.2	7.0	7.4	8.0
52.5°	10.1	10.4	10.6	10.6	10.6	10.4	10.1	9.8	9.4	9.1	9.0
50°	13.1	13.4	13.5	13.6	13.5	13.4	13.1	12.7	12.2	11.7	11.0
47.5°	21.6	22.1	22.9	24.1	22.9	22.1	21.6	20.6	19.1	16.9	14.1
45°	34.4	35.3	36.8	39.2	36.8	35.3	34.4	32.9	32.9	30.7	25.0
42.5°	54.4	56.0	57.6	60.3	57.6	56.0	54.4	51.7	51.0	53.1	54.6
40°	75.1	76.1	77.1	80.0	77.1	76.1	75.1	73.4	72.6	64.4	66.0
37.5°	127.0	121.6	116.0	128.2	116.0	121.6	127.0	123.3	115.1	109.6	107.3
35°	173.2	176.4	181.4	190.1	181.4	176.4	173.2	174.1	168.9	153.7	158.9
32.5°	262.7	276.9	283.5	292.7	283.5	276.9	262.7	259.6	242.8	245.2	261.8
30°	522.7	521.8	479.7	487.3	479.7	521.8	522.7	491.7	425.3	425.5	445.2
27.5°	865.3	875.7	871.1	893.1	871.1	875.7	865.3	847.9	793.2	724.0	652.2
25°	1347.1	1392.1	1383.3	1427.1	1383.3	1392.1	1347.1	1263.9	1169.2	1085.9	1002.8
22.5°	2682.6	2890.2	2886.9	3163.5	2886.9	2890.2	2682.6	2140.6	1699.5	1530.3	1418.5
20°	7164.7	8582.2	7998.1	8105.6	7998.1	8582.2	7164.7	4756.8	3378.1	2236.1	1887.9
17.5°	16522.2	21325.0	23410.7	26017.1	23410.7	21325.0	16522.2	11403.1	8011.0	4549.4	2870.5
15°	37717.2	50513.1	56913.6	50380.8	56913.6	50513.1	37717.2	24436.7	17688.5	11198.0	5494.2
12.5°	78968.7	101435.6	116965.7	105047.4	116965.7	101435.6	78968.7	55400.6	32734.6	21098.5	11981.0
10°	136425.2	177809.0	212010.6	200738.6	212010.6	177809.0	136425.2	92505.9	59509.9	32517.3	18959.9
7.5°	209731.0	276585.0	318311.6	318002.5	318311.6	276585.0	209731.0	145226.9	89836.2	52363.0	28539.6
5°	301739.0	387274.2	440404.9	446811.7	440404.9	387274.2	301739.0	204908.8	124469.3	72624.0	37145.3
2.5°	369864.6	462601.5	535148.4	561314.9	535148.4	462601.5	369864.6	258939.1	151166.5	84651.3	39722.7
0°	397679.2	493285.2	570834.0	614073.2	570834.0	493285.2	397679.2	281235.2	166612.0	93153.7	43438.2
-2.5°	375824.0	464126.0	528087.3	554876.3	528087.3	464126.0	375824.0	257546.6	155023.3	88535.6	40014.6
-5°	328145.0	411305.4	460645.6	478167.6	460645.6	411305.4	328145.0	225260.1	136418.7	78222.0	36596.4
-7.5°	256791.7	326404.7	368997.9	384381.8	368997.9	326404.7	256791.7	175643.4	111264.1	63281.2	30465.3
-10°	177829.0	229573.8	266552.9	278023.5	266552.9	229573.8	177829.0	127525.1	83887.1	47901.0	22142.9
-12.5°	114584.9	145285.4	165772.7	173234.8	165772.7	145285.4	114584.9	84905.9	53071.8	33654.7	16543.7
-15°	69708.2	86802.3	96724.4	100067.6	96724.4	86802.3	69708.2	50937.8	35233.8	21125.7	9058.2
-17.5°	38408.9	46658.9	49691.9	51826.0	49691.9	46658.9	38408.9	28034.3	18823.9	9762.2	5579.5
-20°	17207.2	20788.8	22546.4	23448.0	22546.4	20788.8	17207.2	10966.2	7706.2	4739.8	3923.8



REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6634.7	7680.6	8151.6	8538.6	8151.6	7680.6	6634.7	5056.5	3977.7	3592.9	3339.6
-25°	3743.0	3888.2	3954.3	3997.8	3954.3	3888.2	3743.0	3537.3	3300.8	3130.1	2986.1
-27.5°	3114.8	3198.7	3256.1	3246.5	3256.1	3198.7	3114.8	3039.1	2933.0	2879.1	2809.8
-30°	2814.8	2840.5	2862.2	2845.2	2862.2	2840.5	2814.8	2812.7	2785.8	2823.9	2856.6
-32.5°	2806.5	2780.0	2764.8	2760.7	2764.8	2780.0	2806.5	2855.3	2924.6	2955.6	2940.8
-35°	2942.9	2930.9	2923.3	2928.2	2923.3	2930.9	2942.9	2961.8	2978.4	2979.2	2961.5
-37.5°	3075.1	3057.4	3030.7	3009.6	3030.7	3057.4	3075.1	3072.3	3049.9	2988.8	2950.4
-40°	3402.7	3466.1	3546.4	3590.4	3546.4	3466.1	3402.7	3388.7	3316.1	3187.7	2968.3
-42.5°	3671.1	3717.4	3738.2	3736.8	3738.2	3717.4	3671.1	3599.5	3358.1	3115.9	2804.2
-45°	3310.0	3495.1	3595.1	3614.6	3595.1	3495.1	3310.0	3056.9	2723.2	2375.5	2030.5
-47.5°	2259.0	2559.6	2736.0	2759.2	2736.0	2559.6	2259.0	1933.0	1630.6	1348.6	1063.9
-50°	1037.5	1077.8	1092.5	1081.7	1092.5	1077.8	1037.5	998.3	969.8	948.2	913.8
-52.5°	963.9	979.4	987.4	989.6	987.4	979.4	963.9	948.7	932.7	909.6	883.0
-55°	958.4	966.9	972.6	977.6	972.6	966.9	958.4	950.4	941.9	921.2	900.7
-57.5°	983.6	1001.7	1010.3	1013.8	1010.3	1001.7	983.6	964.0	943.1	909.7	873.6
-60°	929.3	946.9	953.4	954.9	953.4	946.9	929.3	909.8	888.2	854.0	813.7
-62.5°	866.0	889.4	898.2	900.6	898.2	889.4	866.0	840.6	813.5	776.2	733.6
-65°	737.3	757.1	758.5	752.8	758.5	757.1	737.3	714.0	687.3	651.8	609.5
-67.5°	559.1	577.7	578.7	573.3	578.7	577.7	559.1	537.6	513.8	485.7	453.7
-70°	361.9	370.5	372.3	371.1	372.3	370.5	361.9	350.7	336.8	319.6	298.7
-72.5°	211.8	219.9	218.2	214.2	218.2	219.9	211.8	202.4	191.7	179.7	166.8
-75°	107.5	111.9	113.6	114.7	113.6	111.9	107.5	102.5	96.9	90.8	84.5
-77.5°	65.4	70.2	71.5	72.4	71.5	70.2	65.4	60.5	55.7	51.2	48.5
-80°	41.8	43.5	43.7	43.7	43.7	43.5	41.8	39.9	38.0	36.0	34.6
-82.5°	31.0	33.1	33.9	34.7	33.9	33.1	31.0	28.9	26.8	24.6	23.6
-85°	22.1	24.1	24.8	25.6	24.8	24.1	22.1	20.2	18.2	16.3	15.8
-87.5°	17.8	19.7	20.4	21.1	20.4	19.7	17.8	16.0	14.1	12.1	11.8
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.1	1.5	1.9



REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	12.1	11.3	10.6	10.2	9.9	9.5	9.1	9.1	9.1	9.1	9.1
87.5°	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.5	4.5	4.5	4.5
85°	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.5	4.5	4.5	4.5
82.5°	2.3	2.7	3.0	3.4	3.8	4.2	4.5	4.7	4.7	4.7	4.7
80°	2.8	2.9	3.1	3.4	3.8	4.2	4.6	4.9	5.3	5.6	5.7
77.5°	3.6	3.7	3.9	4.1	4.3	4.5	4.7	5.0	5.4	5.7	6.1
75°	3.8	4.2	4.7	5.3	5.7	5.9	5.9	5.7	5.7	5.9	6.1
72.5°	6.1	6.2	6.7	7.4	7.7	8.2	8.3	7.9	7.3	6.5	6.2
70°	9.6	10.2	11.6	13.6	15.1	15.8	15.5	14.0	11.4	9.8	8.5
67.5°	12.4	13.5	15.8	18.6	20.6	22.3	24.3	25.3	24.2	21.3	14.7
65°	13.2	14.6	16.4	18.3	20.8	24.3	30.7	34.2	35.1	33.7	25.6
62.5°	11.2	13.2	14.3	15.7	17.7	22.0	30.7	37.6	43.0	42.8	33.3
60°	8.2	9.1	10.2	11.6	13.4	18.1	26.4	36.1	47.1	44.0	37.0
57.5°	7.4	7.8	8.5	8.9	9.1	13.1	20.1	29.2	39.6	39.2	35.8
55°	8.8	9.3	9.4	9.3	9.2	10.9	14.0	20.2	28.2	29.8	28.7
52.5°	9.0	9.9	10.7	11.6	11.4	10.9	11.2	14.9	18.2	21.2	22.0
50°	10.5	11.0	11.4	11.9	12.6	12.4	11.9	12.1	14.3	16.4	17.2
47.5°	13.9	14.4	13.5	13.4	14.9	14.4	13.8	13.6	15.3	15.0	15.8
45°	23.9	22.7	20.7	21.0	20.7	20.3	18.1	19.1	19.6	19.2	16.5
42.5°	48.7	39.9	33.8	35.5	33.3	31.2	27.9	27.3	26.7	25.4	24.0
40°	76.1	73.7	66.8	61.6	56.9	48.2	42.1	37.5	35.8	33.5	33.4
37.5°	108.9	112.5	115.6	113.2	99.1	80.6	63.9	51.4	45.9	47.8	45.3
35°	152.9	159.1	175.7	170.2	161.3	144.3	105.1	75.5	66.0	70.9	62.4
32.5°	218.0	255.0	271.7	258.1	251.4	236.6	186.3	122.8	118.3	110.2	92.1
30°	439.5	418.3	420.9	430.7	426.2	365.7	295.2	305.9	245.1	165.7	132.4
27.5°	683.0	625.2	616.0	737.1	688.7	581.6	565.6	619.3	448.5	297.5	195.2
25°	1009.5	975.7	939.2	1067.5	1096.0	908.9	895.7	944.1	820.3	481.8	275.1
22.5°	1357.0	1325.9	1310.2	1367.4	1407.0	1253.3	1199.0	1261.2	1227.9	707.9	422.3
20°	1718.3	1619.2	1588.3	1585.0	1551.0	1476.3	1441.0	1485.4	1338.0	959.1	574.9
17.5°	2175.6	1945.4	1831.8	1768.3	1709.5	1619.7	1674.3	1654.2	1480.5	1154.8	720.1
15°	2953.5	2415.7	2183.6	2007.1	1926.7	1979.5	2013.1	1898.7	1648.8	1290.5	916.2
12.5°	5542.3	3014.2	2600.8	2332.8	2264.9	2337.8	2382.2	2205.2	1875.1	1587.0	1240.4
10°	8828.8	4350.7	3104.9	2755.2	2611.2	2656.6	2676.5	2474.5	2185.3	1931.1	1589.6
7.5°	14432.8	6353.9	3598.4	3122.1	2886.2	2847.4	2856.6	2668.7	2450.9	2243.9	1951.2
5°	18810.2	7638.2	3951.2	3387.7	3101.7	3039.3	3053.4	2816.7	2681.2	2531.0	2310.5
2.5°	19792.8	7923.0	4227.5	3622.3	3296.3	3232.0	3264.5	2984.3	2876.3	2733.4	2544.5
0°	21829.2	8856.9	4433.7	3771.5	3445.6	3410.9	3477.3	3186.1	3056.4	2913.1	2742.6
-2.5°	18952.5	7625.8	4352.0	3717.8	3416.6	3382.1	3494.7	3314.3	3120.7	2929.5	2675.1
-5°	16079.1	6957.2	4235.4	3631.6	3367.6	3377.3	3524.1	3423.4	3186.8	2949.1	2558.5
-7.5°	13118.1	6048.0	4050.5	3517.1	3321.8	3405.3	3578.7	3514.3	3282.2	3066.8	2599.8
-10°	8679.7	4932.5	3817.0	3431.2	3345.5	3482.0	3668.4	3589.9	3381.5	3180.3	2580.7
-12.5°	6822.4	4185.7	3581.3	3369.4	3488.0	3692.9	3779.0	3627.1	3490.3	3293.5	2494.4
-15°	4771.5	3866.8	3492.9	3479.0	3714.8	3862.8	3830.3	3575.0	3440.2	3314.0	2336.7
-17.5°	4007.9	3584.7	3363.1	3472.8	3743.4	3914.4	3760.5	3489.7	3275.4	2972.3	1938.7
-20°	3516.3	3306.8	3294.7	3409.8	3572.2	3607.2	3556.9	3320.7	3038.3	2427.0	1556.0



REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3181.5	3136.0	3194.0	3323.0	3202.8	3211.9	3179.5	3022.3	2733.3	1857.9	1201.0
-25°	2974.6	3011.2	3151.4	3119.7	2918.6	2844.2	2858.0	2691.1	2157.5	1390.1	914.1
-27.5°	2887.3	3005.8	3100.1	3011.5	2807.4	2644.0	2551.1	2323.3	1602.6	1091.0	832.8
-30°	2894.6	3010.0	3025.0	2891.5	2705.6	2534.3	2294.4	1751.4	1228.7	857.9	769.7
-32.5°	2956.9	2957.8	2892.3	2730.6	2578.7	2402.0	1885.7	1284.0	908.9	795.8	732.2
-35°	2942.7	2824.3	2669.9	2565.4	2481.0	2021.9	1465.5	986.0	801.9	744.8	701.5
-37.5°	2832.5	2611.8	2498.7	2375.9	2033.8	1568.5	1051.3	833.6	756.4	712.8	678.9
-40°	2755.0	2525.7	2183.0	1900.8	1482.4	1017.3	862.2	784.6	731.6	686.5	659.6
-42.5°	2398.0	2038.6	1662.3	1260.0	938.2	869.9	805.5	752.5	710.1	674.5	616.3
-45°	1662.8	1296.7	977.9	914.6	851.3	806.0	764.6	731.4	700.4	638.2	566.3
-47.5°	982.0	929.1	873.4	831.2	795.1	763.6	748.4	722.6	657.4	590.0	518.2
-50°	879.1	853.8	821.2	787.1	774.0	760.4	722.4	667.7	605.4	539.7	470.3
-52.5°	854.6	837.9	818.9	796.8	758.4	716.5	667.6	612.9	553.6	488.8	422.5
-55°	880.3	843.5	801.1	756.9	709.7	661.5	610.9	556.3	498.1	435.7	375.8
-57.5°	835.9	794.1	747.1	698.9	649.7	597.6	544.3	491.5	440.0	383.5	329.0
-60°	770.0	723.9	677.5	627.2	572.6	520.0	474.5	427.6	379.4	334.4	288.5
-62.5°	691.3	649.6	597.0	542.4	493.3	449.9	406.6	364.7	326.6	287.6	234.4
-65°	566.2	522.3	480.0	441.0	403.9	369.2	333.0	293.9	253.3	213.6	168.8
-67.5°	421.7	390.0	360.4	331.1	299.3	267.2	232.5	198.4	169.7	142.1	109.6
-70°	275.8	250.8	226.0	201.7	181.5	162.8	141.7	119.2	96.0	80.6	67.2
-72.5°	152.7	137.4	122.6	108.8	93.8	84.8	76.7	67.7	58.1	48.2	40.3
-75°	77.9	71.1	64.8	59.6	53.9	47.5	43.8	41.2	38.7	36.2	33.5
-77.5°	45.9	43.3	41.0	39.4	37.7	36.0	34.1	32.2	30.4	28.5	26.4
-80°	33.2	31.6	30.1	29.0	27.8	26.6	25.4	23.9	22.4	21.0	20.0
-82.5°	22.6	21.5	20.5	20.0	19.6	19.1	18.5	17.8	17.1	16.4	15.8
-85°	15.3	14.8	14.3	14.1	13.9	13.7	13.5	13.2	13.0	12.7	12.4
-87.5°	11.4	11.0	10.6	10.6	10.5	10.4	10.3	10.3	10.2	10.2	10.2
-90°	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.5	4.5	4.5	4.5



REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	8.7	8.3	7.9
87.5°	4.9	5.3	5.6	6.0	6.0	6.0	6.0	6.0	6.4	6.8	7.1
85°	4.9	5.3	5.6	6.0	6.0	6.0	6.0	6.0	6.4	6.8	7.1
82.5°	4.9	5.3	5.7	6.0	6.2	6.4	6.4	6.4	6.6	6.8	7.1
80°	5.7	5.7	5.8	6.1	6.4	6.8	7.0	7.0	7.0	7.0	7.2
77.5°	6.2	6.2	6.0	6.1	6.5	6.8	7.2	7.5	7.4	7.3	7.3
75°	6.5	6.7	6.8	6.7	6.7	6.9	7.2	7.5	7.5	7.5	7.4
72.5°	6.6	6.9	7.3	7.5	7.2	7.2	7.3	7.5	7.5	7.5	7.5
70°	7.5	7.1	7.4	7.5	7.5	7.5	7.4	7.6	7.5	7.5	7.5
67.5°	9.1	8.0	7.5	7.5	7.5	7.5	7.5	7.7	7.7	7.5	7.5
65°	17.9	11.7	7.5	7.5	7.5	7.5	7.5	7.8	8.0	7.8	7.5
62.5°	25.1	17.8	12.1	8.6	7.5	7.5	7.5	7.9	8.3	8.2	7.8
60°	30.3	22.1	16.6	12.4	9.0	7.5	7.6	8.0	8.3	8.6	8.2
57.5°	29.3	24.5	20.2	15.8	11.8	8.7	7.7	8.1	8.4	8.8	8.7
55°	25.8	22.2	22.4	18.9	14.4	10.7	8.4	8.2	8.5	8.8	9.1
52.5°	20.1	20.8	22.5	21.1	16.9	12.6	9.9	8.3	8.6	8.9	9.1
50°	16.3	19.2	22.5	22.7	19.2	14.8	11.3	9.3	8.7	9.0	9.1
47.5°	16.7	19.3	21.5	24.3	22.0	16.7	12.8	10.2	8.8	9.1	9.1
45°	19.2	21.3	22.2	23.9	24.4	18.6	14.2	11.0	9.4	9.2	9.1
42.5°	22.8	24.6	25.2	23.9	24.3	20.2	15.4	12.0	9.9	9.2	9.2
40°	31.2	28.8	29.0	28.3	24.7	21.5	16.5	12.8	10.3	9.5	9.3
37.5°	41.0	36.1	33.4	36.2	27.8	22.7	17.2	13.4	11.0	9.9	9.4
35°	53.9	46.2	44.0	46.5	37.7	24.7	17.7	13.9	12.1	10.3	9.6
32.5°	68.4	67.1	66.6	58.1	50.2	27.5	19.1	15.6	13.3	10.7	9.8
30°	103.1	104.0	98.4	71.7	64.2	39.0	22.4	17.6	14.8	11.1	10.1
27.5°	161.5	147.5	137.6	99.7	77.2	53.0	27.1	19.9	16.4	11.8	10.4
25°	224.2	200.1	179.9	137.5	91.4	71.3	31.7	22.5	18.2	13.0	10.7
22.5°	298.0	254.2	226.6	180.7	114.3	91.7	41.4	26.4	20.2	14.3	11.0
20°	371.6	307.8	277.5	221.6	147.7	110.8	57.2	30.2	22.4	15.6	11.3
17.5°	454.3	375.7	332.7	262.8	184.4	131.9	73.8	33.9	24.6	17.0	11.5
15°	617.6	460.8	392.9	308.4	218.1	154.6	90.8	37.3	26.9	18.3	11.9
12.5°	815.1	545.9	457.5	357.0	249.2	178.3	107.9	40.6	29.2	19.7	12.4
10°	1032.4	630.0	524.9	407.2	277.5	202.5	124.6	45.4	31.9	21.2	13.0
7.5°	1259.4	712.3	593.3	457.4	309.0	239.7	165.2	53.9	34.7	22.5	13.5
5°	1480.4	790.9	667.8	532.1	369.6	289.4	210.9	62.8	37.3	23.6	14.1
2.5°	1666.8	863.3	742.1	606.5	428.7	337.3	256.1	71.6	39.9	24.7	14.6
0°	1826.9	930.8	811.6	675.8	485.8	383.2	298.7	80.0	42.2	25.6	15.1
-2.5°	1702.2	935.0	819.5	702.2	528.5	420.3	322.5	101.3	54.8	32.4	18.2
-5°	1556.2	935.4	825.1	724.6	568.1	454.5	341.1	121.4	66.8	38.8	21.1
-7.5°	1548.3	939.1	831.9	742.8	604.2	484.9	354.4	139.7	78.0	44.7	23.8
-10°	1529.0	943.2	839.9	746.5	611.6	496.4	360.2	155.7	87.9	49.9	26.1
-12.5°	1450.7	942.8	846.6	745.3	609.5	490.9	348.9	168.2	96.6	54.3	28.1
-15°	1305.5	938.0	852.3	739.0	602.3	482.9	335.9	178.1	105.8	59.2	29.5
-17.5°	1075.9	928.6	857.2	727.4	589.4	472.6	322.0	185.5	113.4	64.6	31.8
-20°	972.5	897.4	857.8	710.5	570.5	460.0	307.9	190.4	119.3	68.8	34.3



REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	905.5	850.6	801.1	687.6	549.1	445.3	294.4	192.6	123.4	71.4	35.9
-25°	833.2	801.6	742.9	639.7	529.3	422.9	288.3	192.0	125.6	72.5	36.5
-27.5°	773.1	748.6	692.8	593.6	499.9	403.4	286.1	193.7	126.1	71.9	35.9
-30°	717.1	697.0	643.0	551.8	468.8	373.8	280.3	192.9	125.3	70.8	34.2
-32.5°	684.4	657.6	595.2	515.9	434.5	343.1	263.5	189.5	122.0	68.8	33.4
-35°	667.0	619.7	551.8	478.9	398.8	317.0	242.5	183.3	116.3	65.1	32.4
-37.5°	647.4	580.3	510.4	440.3	362.8	289.7	223.9	167.1	108.1	59.7	30.5
-40°	602.8	537.6	469.6	400.9	330.3	261.2	203.6	149.6	99.6	52.5	27.9
-42.5°	555.8	491.4	427.2	361.6	298.2	237.0	181.8	130.9	86.6	47.0	24.4
-45°	504.1	443.9	383.6	325.1	265.7	211.0	159.7	111.5	72.2	42.1	21.8
-47.5°	451.2	396.3	341.9	287.9	235.3	183.8	136.3	94.5	57.1	36.0	21.0
-50°	400.4	350.4	301.6	253.4	204.0	156.6	112.9	76.5	48.4	28.3	20.1
-52.5°	358.7	307.4	264.0	219.8	173.0	128.1	92.0	58.7	39.2	24.7	18.9
-55°	317.7	268.0	228.6	184.4	140.4	103.0	70.2	47.9	29.6	22.8	17.6
-57.5°	280.4	232.5	188.7	146.5	110.3	78.2	54.1	36.6	25.6	20.8	16.8
-60°	240.5	188.4	145.1	112.0	81.5	57.7	41.1	27.9	23.3	18.9	15.8
-62.5°	185.0	141.0	107.4	78.9	58.5	42.7	29.5	25.3	21.0	17.8	14.7
-65°	131.7	98.6	70.9	55.9	41.3	30.5	26.5	22.5	19.4	16.5	13.8
-67.5°	80.0	64.5	49.7	36.4	30.8	27.1	23.5	20.6	17.9	15.3	13.0
-70°	53.5	40.4	33.8	30.4	27.1	23.9	21.3	19.0	16.5	14.2	12.2
-72.5°	36.4	32.8	29.5	26.4	23.7	21.3	19.3	17.3	15.1	13.2	11.4
-75°	30.4	27.5	24.9	22.5	20.4	18.6	17.1	15.6	13.7	12.0	10.8
-77.5°	24.1	22.0	20.1	18.6	17.3	16.1	15.0	13.9	12.5	11.3	10.3
-80°	18.8	17.7	16.5	15.3	14.4	13.6	13.1	12.6	11.5	10.6	9.8
-82.5°	14.8	14.0	13.1	12.3	12.0	11.7	11.5	11.4	10.6	9.9	9.3
-85°	11.8	11.1	10.4	9.8	9.8	9.9	10.2	10.4	9.9	9.3	8.8
-87.5°	9.9	9.6	9.3	9.1	9.3	9.5	9.6	9.7	9.3	8.8	8.4
-90°	4.9	5.3	5.6	6.0	6.0	6.0	6.0	6.0	6.4	6.8	7.1



REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
87.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
85°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
82.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
80°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
77.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
75°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
72.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
70°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
67.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
65°	7.6	7.6	7.5	7.5	7.5	7.5	7.5
62.5°	7.7	7.7	7.5	7.5	7.5	7.5	7.5
60°	7.8	7.8	7.5	7.5	7.5	7.5	7.5
57.5°	8.1	8.0	7.6	7.5	7.5	7.5	7.5
55°	8.4	8.1	7.8	7.5	7.5	7.5	7.5
52.5°	8.7	8.3	8.0	7.5	7.5	7.5	7.5
50°	8.9	8.5	8.2	7.5	7.5	7.5	7.5
47.5°	9.1	8.7	8.3	7.5	7.5	7.5	7.5
45°	9.1	8.8	8.5	7.7	7.5	7.5	7.5
42.5°	9.1	8.9	8.7	7.8	7.5	7.5	7.5
40°	9.1	9.0	8.9	8.0	7.5	7.5	7.5
37.5°	9.1	9.1	8.9	8.1	7.5	7.5	7.5
35°	9.1	9.1	9.0	8.2	7.5	7.5	7.5
32.5°	9.1	9.1	9.1	8.3	7.5	7.5	7.5
30°	9.3	9.1	9.1	8.5	7.5	7.5	7.5
27.5°	9.5	9.1	9.1	8.6	7.5	7.5	7.5
25°	9.6	9.1	9.1	8.6	7.5	7.5	7.5
22.5°	9.8	9.1	9.1	8.7	7.5	7.5	7.5
20°	10.0	9.2	9.1	8.8	7.5	7.5	7.5
17.5°	10.3	9.4	9.1	8.9	7.5	7.5	7.5
15°	10.6	9.5	9.1	8.9	7.5	7.5	7.5
12.5°	10.9	9.7	9.1	9.0	7.5	7.5	7.5
10°	11.2	9.9	9.1	9.0	7.5	7.5	7.5
7.5°	11.4	10.1	9.1	9.1	7.5	7.5	7.5
5°	11.7	10.2	9.1	9.1	7.5	7.5	7.5
2.5°	11.9	10.4	9.1	9.1	7.5	7.5	7.5
0°	12.1	10.6	9.1	9.1	7.5	7.5	7.5
-2.5°	12.9	10.8	9.2	9.1	7.6	7.5	7.5
-5°	13.6	10.9	9.4	9.1	7.6	7.5	7.5
-7.5°	14.3	11.0	9.5	9.1	7.7	7.5	7.5
-10°	14.9	11.1	9.6	9.0	7.8	7.5	7.5
-12.5°	15.4	11.2	9.7	9.0	7.8	7.5	7.5
-15°	15.8	11.3	9.8	9.0	7.9	7.5	7.5
-17.5°	16.0	11.4	9.8	9.0	7.9	7.5	7.5
-20°	16.6	11.4	9.9	9.0	8.0	7.5	7.5



REPORT NUMBER: P731715 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680N-57-80-1S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	17.6	11.5	9.9	8.9	8.0	7.5	7.5
-25°	18.1	11.8	9.9	8.9	8.1	7.5	7.5
-27.5°	18.3	12.1	9.9	8.9	8.1	7.5	7.5
-30°	17.9	12.3	9.8	8.9	8.1	7.5	7.5
-32.5°	17.0	12.5	9.9	9.0	8.1	7.5	7.5
-35°	16.8	12.5	9.9	9.0	8.1	7.5	7.5
-37.5°	16.8	12.5	9.9	9.0	8.1	7.5	7.5
-40°	16.7	12.5	9.9	9.1	8.0	7.5	7.5
-42.5°	16.4	12.4	9.9	9.1	8.0	7.5	7.5
-45°	16.0	12.3	9.9	9.2	8.0	7.5	7.5
-47.5°	15.4	12.0	10.0	9.2	7.9	7.5	7.5
-50°	15.0	11.8	10.0	9.1	7.8	7.5	7.5
-52.5°	14.5	11.4	9.9	9.0	7.8	7.5	7.5
-55°	14.0	11.2	9.9	8.8	7.7	7.5	7.5
-57.5°	13.3	11.1	9.8	8.7	7.6	7.5	7.5
-60°	12.7	10.8	9.6	8.5	7.5	7.5	7.5
-62.5°	12.2	10.6	9.4	8.4	7.5	7.5	7.5
-65°	11.7	10.2	9.2	8.2	7.5	7.5	7.5
-67.5°	11.2	9.9	9.0	8.0	7.5	7.5	7.5
-70°	10.6	9.7	8.8	7.9	7.5	7.5	7.5
-72.5°	10.2	9.4	8.5	7.8	7.5	7.5	7.5
-75°	9.8	9.1	8.3	7.8	7.5	7.5	7.5
-77.5°	9.5	8.8	8.2	7.7	7.5	7.5	7.5
-80°	9.1	8.5	8.0	7.7	7.5	7.5	7.5
-82.5°	8.7	8.3	7.9	7.7	7.5	7.5	7.5
-85°	8.3	8.0	7.8	7.6	7.5	7.5	7.5
-87.5°	7.9	7.8	7.6	7.6	7.5	7.5	7.5
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5

(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

