

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: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-80-5S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-32)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-57-80-5S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

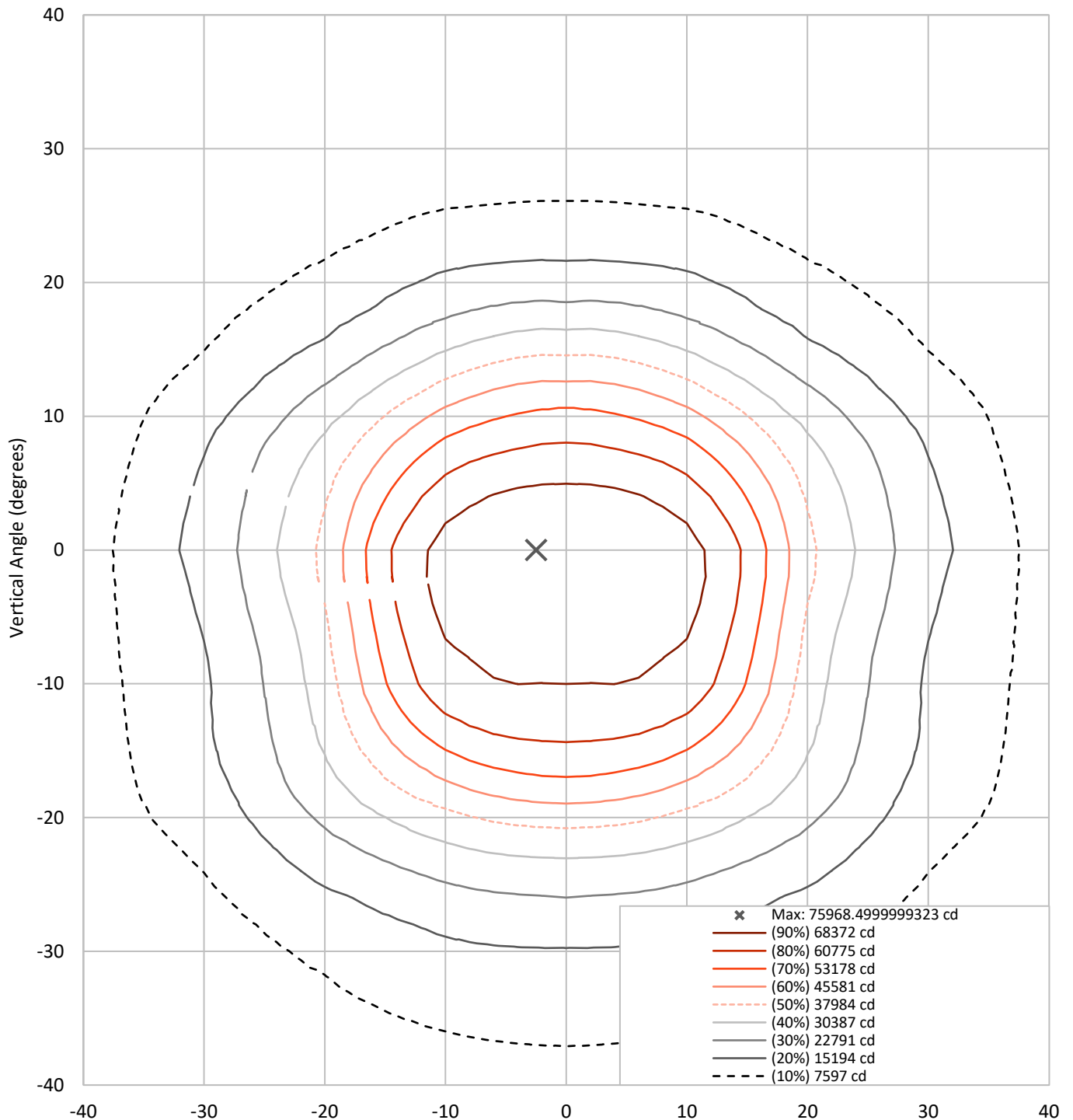
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	37492.5 lumens	Max Intensity:	75968.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	108.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.5°H x 35.3°V	Field Angle (10%):	75°H x 63°V
Beam Lumens:	20621.7 lumens	Field Lumens:	34347.5 lumens
Beam Efficiency:	55.0%	Field Efficiency:	91.6%

Input Watts (W): 345.8
Input Voltage (V): NR
Input Current (A_{in}): 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: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

Iso-Candela Plot





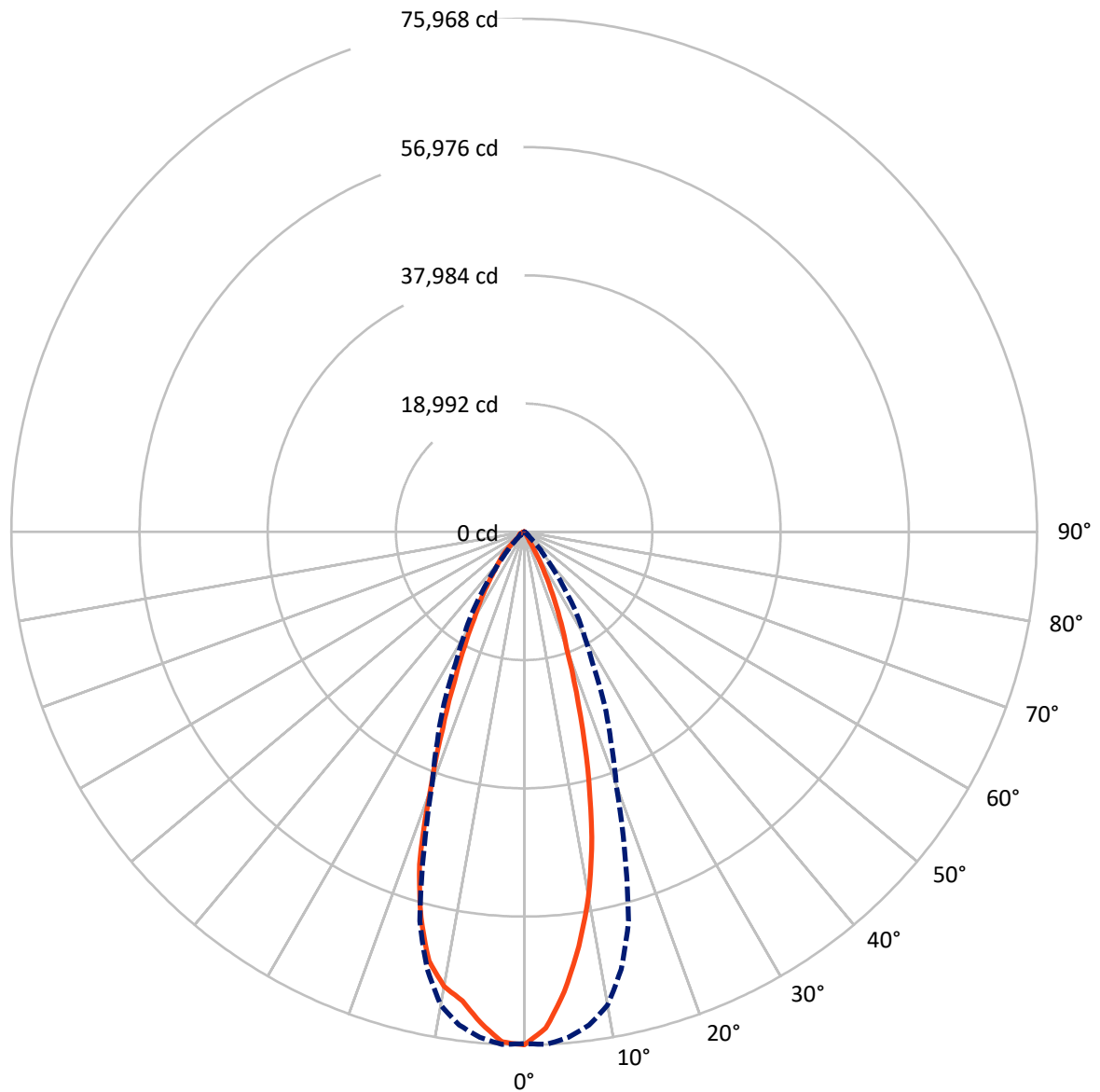
REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

Lumen Table

90																
80	0.1	0.3		0.3		0.3		0.3		0.3		0.3		0.1		
70																
60	0.1	0.1	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.1	0.1
50		0.1	0.1	0.4	0.4	0.2	0.2	0.3	0.3	0.2	0.2	0.4	0.4	0.1	0.1	
40	0.1	0.1	0.2	0.3	0.4	0.6	1.0	1.1	1.1	1.0	0.6	0.4	0.3	0.2	0.1	0.1
30		0.1	0.5	1.1	3.0	8.4	14.6	18.6	18.6	14.6	8.4	3.0	1.1	0.5	0.1	
20	0.1	0.2	1.6	5.7	33.3	95.7	194.5	280.9	280.9	194.5	95.7	33.3	5.7	1.6	0.2	0.1
10		0.4	3.5	18.7	118.4	347.0	711.2	1050.8	1050.8	711.2	347.0	118.4	18.7	3.5	0.4	
0	0.2	0.8	6.0	40.6	243.6	695.8	1456.8	1988.3	1988.3	1456.8	695.8	243.6	40.6	6.0	0.8	0.2
-10		1.4	8.2	49.1	255.1	712.5	1634.9	2179.1	2179.1	1634.9	712.5	255.1	49.1	8.2	1.4	
-20	0.2	1.6	8.4	39.4	216.5	586.6	1235.3	1701.1	1701.1	1235.3	586.6	216.5	39.4	8.4	1.6	0.2
-30		1.4	6.9	18.5	108.6	313.9	577.2	758.0	758.0	577.2	313.9	108.6	18.5	6.9	1.4	
-40	0.2	1.1	4.8	10.8	31.7	118.3	217.6	283.9	283.9	217.6	118.3	31.7	10.8	4.8	1.1	0.2
-50		0.6	2.9	7.6	14.0	26.2	59.1	89.2	89.2	59.1	26.2	14.0	7.6	2.9	0.6	
-60	0.1	0.3	1.4	4.3	8.9	14.7	20.2	23.4	23.4	20.2	14.7	8.9	4.3	1.4	0.3	0.1
-70		0.1	0.5	1.7	3.7	6.5	9.8	11.7	11.7	9.8	6.5	3.7	1.7	0.5	0.1	
-80																
-90	0.1	0.4		1.3		3.5		4.9		3.5		1.3		0.4	0.1	

REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

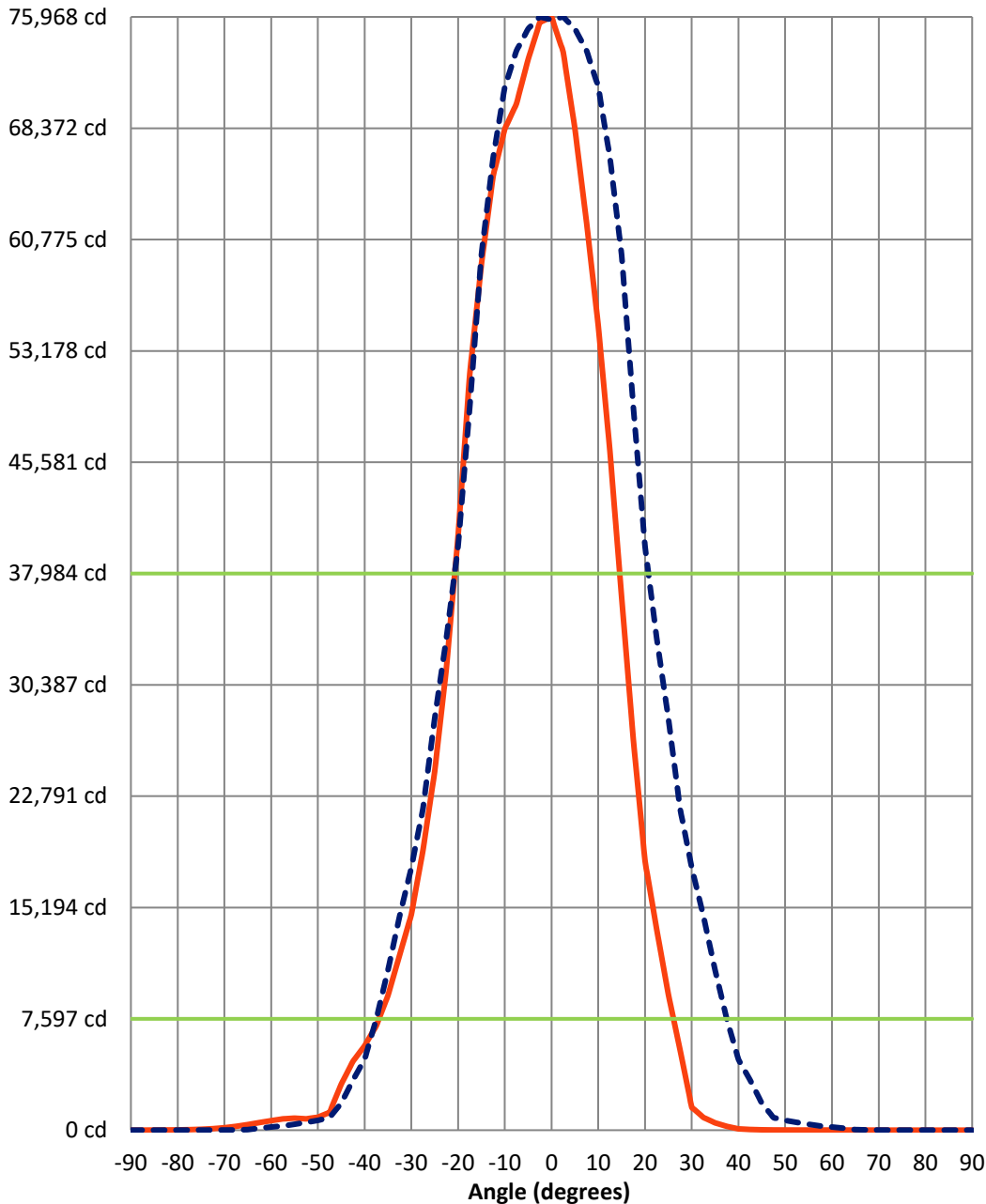
Luminous Intensity Polar Plot



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

REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

Luminous Intensity Plot



Beam:
 H Angle: 41.5°
 V Angle: 35.3°
 Lumens: 20621.7
 Efficiency: 55.0%

Field:
 H Angle: 75°
 V Angle: 63°
 Lumens: 34347.5
 Efficiency: 91.6%

Spill:
 Lumens: 3145
 Efficiency: 8.4%

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



REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
80°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
77.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
75°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.4
72.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.6	4.6	4.5
70°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.7	4.9	4.8	4.9
67.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.7	5.0	5.1	5.1	5.2
65°	4.4	4.4	4.4	4.4	4.4	4.5	5.0	5.3	5.3	5.3	5.5
62.5°	4.4	4.4	4.4	4.4	4.4	4.7	5.2	5.4	5.4	5.5	5.5
60°	4.4	4.4	4.4	4.4	4.4	4.9	5.5	5.5	5.5	5.5	5.5
57.5°	4.4	4.4	4.4	4.4	4.6	5.1	5.5	5.5	5.5	5.5	5.5
55°	4.4	4.4	4.4	4.4	4.7	5.3	5.5	5.5	5.5	5.5	5.5
52.5°	4.4	4.4	4.4	4.4	4.9	5.5	5.5	5.5	5.5	5.5	5.5
50°	4.4	4.4	4.4	4.4	5.0	5.5	5.5	5.5	5.5	5.5	5.8
47.5°	4.4	4.4	4.4	4.4	5.2	5.5	5.5	5.5	5.5	5.5	6.2
45°	4.4	4.4	4.4	4.5	5.3	5.5	5.5	5.5	5.5	5.8	6.6
42.5°	4.4	4.4	4.4	4.6	5.4	5.5	5.5	5.5	5.6	6.1	6.9
40°	4.4	4.4	4.4	4.7	5.5	5.5	5.5	5.6	5.8	6.4	7.2
37.5°	4.4	4.4	4.4	4.8	5.5	5.5	5.5	5.7	6.1	6.8	7.5
35°	4.4	4.4	4.4	4.8	5.5	5.5	5.5	5.9	6.4	7.2	7.8
32.5°	4.4	4.4	4.4	4.9	5.5	5.5	5.5	6.0	6.7	7.6	8.4
30°	4.4	4.4	4.4	4.9	5.5	5.5	5.6	6.2	7.0	8.1	9.1
27.5°	4.4	4.4	4.4	4.9	5.5	5.5	5.8	6.4	7.3	8.6	9.8
25°	4.4	4.4	4.4	4.9	5.4	5.5	5.9	6.7	7.7	9.1	10.7
22.5°	4.4	4.4	4.4	4.9	5.4	5.5	6.0	6.9	8.1	9.8	12.5
20°	4.4	4.4	4.4	4.9	5.4	5.5	6.2	7.1	8.5	10.4	14.4
17.5°	4.4	4.4	4.4	4.8	5.4	5.5	6.3	7.3	8.9	11.1	16.3
15°	4.4	4.4	4.4	4.8	5.4	5.5	6.4	7.4	9.3	11.8	18.3
12.5°	4.4	4.4	4.4	4.7	5.4	5.5	6.4	7.5	9.6	12.5	20.1
10°	4.4	4.4	4.4	4.7	5.5	5.5	6.5	7.6	10.0	13.5	22.6
7.5°	4.4	4.4	4.4	4.6	5.5	5.5	6.5	7.6	10.3	14.6	26.7
5°	4.4	4.4	4.4	4.5	5.5	5.5	6.6	7.7	10.6	15.7	30.8
2.5°	4.4	4.4	4.4	4.5	5.5	5.5	6.6	7.7	10.9	16.7	34.9
0°	4.4	4.4	4.4	4.4	5.5	5.5	6.6	7.7	11.1	17.7	38.7
-2.5°	4.4	4.4	4.4	4.5	5.5	5.7	7.0	8.7	14.1	24.3	50.1
-5°	4.4	4.4	4.4	4.5	5.5	6.0	7.5	9.8	16.9	30.5	60.7
-7.5°	4.4	4.4	4.4	4.6	5.5	6.2	7.9	10.7	19.5	36.3	70.4
-10°	4.4	4.4	4.4	4.7	5.5	6.4	8.2	11.6	21.8	41.3	78.8
-12.5°	4.4	4.4	4.4	4.7	5.4	6.6	8.6	12.3	23.6	45.6	84.7
-15°	4.4	4.4	4.4	4.8	5.4	6.7	8.9	12.9	25.4	49.2	88.7
-17.5°	4.4	4.4	4.4	4.8	5.4	6.8	9.1	13.8	27.2	51.9	91.3
-20°	4.4	4.4	4.4	4.9	5.4	6.8	9.4	14.8	28.3	53.6	92.5



REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.4	4.4	4.4	4.9	5.4	6.8	9.7	15.5	28.8	54.1	92.2
-25°	4.4	4.4	4.4	4.9	5.4	6.8	9.9	15.9	28.5	53.3	90.4
-27.5°	4.4	4.4	4.4	4.9	5.5	6.7	9.9	15.9	27.4	52.0	89.3
-30°	4.4	4.4	4.4	4.9	5.5	6.6	9.7	15.6	26.8	50.7	86.7
-32.5°	4.4	4.4	4.4	4.9	5.6	6.4	9.4	15.3	26.4	48.3	82.4
-35°	4.4	4.4	4.4	4.8	5.6	6.2	9.1	14.9	25.4	44.7	76.3
-37.5°	4.4	4.4	4.4	4.8	5.6	6.1	8.8	14.2	23.9	39.9	67.3
-40°	4.4	4.4	4.4	4.7	5.7	6.1	8.4	13.2	21.9	36.7	58.9
-42.5°	4.4	4.4	4.4	4.6	5.6	6.1	8.0	11.9	20.1	32.9	50.2
-45°	4.4	4.4	4.4	4.6	5.5	6.2	7.5	10.8	18.2	28.7	41.6
-47.5°	4.4	4.4	4.4	4.5	5.4	6.1	7.0	10.1	16.0	24.2	36.6
-50°	4.4	4.4	4.4	4.5	5.3	6.1	6.8	9.3	13.2	21.0	31.2
-52.5°	4.4	4.4	4.4	4.5	5.2	6.1	6.8	8.4	11.6	17.6	25.7
-55°	4.4	4.4	4.4	4.5	5.1	5.9	6.6	7.6	10.3	13.9	21.5
-57.5°	4.4	4.4	4.4	4.5	4.9	5.8	6.5	7.4	9.1	11.9	16.9
-60°	4.4	4.4	4.4	4.6	4.8	5.6	6.4	7.1	7.9	10.3	13.1
-62.5°	4.4	4.4	4.4	4.6	4.8	5.4	6.1	6.9	7.6	8.7	11.2
-65°	4.4	4.4	4.4	4.6	4.8	5.2	5.9	6.6	7.3	8.0	9.3
-67.5°	4.4	4.4	4.4	4.6	4.9	5.1	5.7	6.3	7.0	7.7	8.4
-70°	4.4	4.4	4.4	4.6	4.9	5.1	5.4	6.1	6.7	7.3	7.9
-72.5°	4.4	4.4	4.4	4.6	4.9	5.2	5.4	5.8	6.4	6.9	7.5
-75°	4.4	4.4	4.4	4.6	4.9	5.2	5.4	5.7	6.0	6.5	7.1
-77.5°	4.4	4.4	4.4	4.6	4.9	5.2	5.5	5.6	5.9	6.2	6.7
-80°	4.4	4.4	4.4	4.5	4.8	5.1	5.5	5.5	5.7	5.9	6.2
-82.5°	4.4	4.4	4.4	4.5	4.7	4.9	5.2	5.4	5.5	5.6	5.8
-85°	4.4	4.4	4.4	4.5	4.6	4.8	5.0	5.1	5.2	5.2	5.3
-87.5°	4.4	4.4	4.4	4.4	4.5	4.6	4.7	4.7	4.8	4.8	4.9
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4



REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.4	4.4	4.4	4.4	4.1	3.9	3.6	3.3	3.3	3.3	3.3
87.5°	4.3	4.1	4.0	3.9	3.8	3.7	3.5	3.3	3.0	2.8	2.5
85°	4.4	4.4	4.4	4.4	4.1	3.9	3.6	3.3	3.2	3.0	3.0
82.5°	4.4	4.4	4.4	4.4	4.2	3.9	3.6	3.3	3.3	3.3	3.3
80°	4.4	4.4	4.4	4.4	4.2	3.9	3.6	3.3	3.3	3.3	3.4
77.5°	4.4	4.4	4.4	4.4	4.2	4.0	3.9	3.9	3.9	3.8	3.6
75°	4.4	4.4	4.5	4.4	4.3	4.3	4.4	4.4	4.2	4.0	3.7
72.5°	4.6	4.7	4.7	4.5	4.4	4.4	4.4	4.4	4.5	4.6	4.5
70°	5.0	5.1	4.9	4.6	4.4	4.5	5.0	5.6	6.1	6.1	6.0
67.5°	5.4	5.2	4.9	4.7	4.8	5.4	6.1	7.0	7.8	7.9	8.1
65°	5.5	5.2	5.1	5.2	5.5	6.4	7.4	8.5	10.8	12.3	13.0
62.5°	5.5	5.3	5.4	5.8	6.6	7.7	9.2	11.9	15.6	17.6	17.0
60°	5.5	5.5	5.9	6.7	7.7	8.7	11.2	14.9	19.7	23.2	21.2
57.5°	5.5	5.8	6.5	7.4	8.2	9.2	12.5	17.1	22.8	28.9	25.1
55°	5.7	6.3	7.1	7.9	8.8	9.6	13.0	18.2	24.6	28.3	24.7
52.5°	6.1	6.7	7.5	8.4	9.3	10.1	12.6	17.7	21.5	24.4	22.6
50°	6.5	7.1	7.9	8.8	9.8	10.8	11.2	15.3	18.4	19.6	19.5
47.5°	6.9	7.6	8.3	9.4	10.6	11.4	11.4	13.4	15.7	17.1	15.9
45°	7.3	8.0	8.8	10.2	11.5	12.3	12.9	12.4	16.0	17.0	16.3
42.5°	7.7	8.5	9.8	11.1	12.8	14.6	15.6	16.9	18.6	20.4	19.9
40°	8.0	8.9	11.1	13.7	14.9	18.3	21.6	23.6	24.4	25.9	25.9
37.5°	8.4	10.3	13.7	19.2	19.2	24.3	29.0	33.7	35.1	32.5	36.8
35°	8.8	11.9	20.7	27.3	28.4	32.2	40.0	47.2	51.4	49.0	53.0
32.5°	9.8	13.6	29.9	36.8	43.6	47.1	52.7	68.1	83.0	87.5	79.7
30°	11.5	21.9	40.3	47.2	63.4	74.1	77.4	98.2	129.3	156.5	210.1
27.5°	13.7	32.2	50.0	64.7	88.0	107.3	115.6	149.6	202.8	274.5	428.8
25°	16.0	42.9	60.4	87.0	120.3	142.6	156.3	204.3	293.5	522.5	810.7
22.5°	21.6	53.9	73.5	111.8	156.8	176.1	205.0	270.5	420.2	800.7	1278.9
20°	30.4	64.3	92.1	136.3	195.8	208.0	250.0	333.9	593.5	1169.9	1744.4
17.5°	39.0	76.0	112.5	165.3	225.8	250.5	293.6	391.6	738.9	1632.6	2348.8
15°	47.4	88.7	131.7	194.6	260.9	309.8	375.6	521.7	1016.8	2180.4	3148.9
12.5°	55.4	102.1	149.7	223.8	301.5	372.6	469.7	733.8	1512.6	2820.4	4266.0
10°	62.8	115.7	166.4	252.3	345.9	437.7	567.2	965.8	2013.6	3377.4	5150.4
7.5°	80.0	136.4	185.1	279.6	392.5	503.5	665.6	1207.2	2465.7	3848.7	5889.5
5°	99.1	164.4	220.8	322.3	441.5	565.5	755.8	1446.3	2862.2	4236.9	6555.2
2.5°	117.7	191.4	255.6	364.8	488.5	619.4	811.6	1654.8	3173.2	4565.4	7129.7
0°	135.1	217.0	289.0	404.1	531.4	668.7	859.1	1836.7	3409.8	4831.3	7582.5
-2.5°	156.3	244.3	325.9	441.5	545.9	670.1	859.9	1769.5	3461.3	5082.6	7412.6
-5°	174.7	269.3	360.2	475.5	558.7	668.1	853.0	1666.9	3432.9	5217.2	7275.7
-7.5°	189.5	291.5	391.1	502.6	570.5	674.9	869.6	1689.5	3385.6	5217.2	7189.9
-10°	198.0	297.8	391.3	501.1	578.2	683.7	880.9	1649.6	3241.3	5109.1	7015.3
-12.5°	190.4	289.9	383.3	494.6	583.0	685.5	877.2	1536.6	2998.1	4888.9	6797.4
-15°	181.3	280.5	371.8	482.5	584.8	679.5	856.8	1343.1	2599.5	4414.5	6534.6
-17.5°	171.2	269.8	356.8	464.5	583.3	665.2	806.9	1036.9	2083.6	3751.8	5931.5
-20°	160.5	257.8	338.1	440.2	575.3	632.2	731.2	919.8	1643.9	3008.9	4983.4



REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	149.5	244.9	318.7	416.2	528.8	592.4	660.5	796.3	1162.3	2173.8	3757.5
-25°	143.2	228.6	301.8	384.6	481.1	555.3	589.3	674.8	858.0	1595.8	2743.2
-27.5°	140.3	213.1	280.9	352.1	437.6	516.4	541.4	596.7	733.6	1029.4	1853.2
-30°	135.4	192.0	258.0	321.0	399.5	469.8	506.2	541.3	628.7	788.7	1244.9
-32.5°	124.7	170.6	233.3	294.2	361.9	430.1	485.0	518.6	573.6	657.1	808.5
-35°	111.4	154.8	208.2	265.2	324.9	393.3	455.2	504.4	531.1	588.6	689.9
-37.5°	99.4	137.6	183.0	235.9	291.5	354.9	423.0	476.7	515.8	543.4	616.0
-40°	86.6	119.2	161.5	208.5	258.5	316.5	379.1	441.5	491.1	532.3	564.5
-42.5°	73.7	104.3	140.1	181.5	228.9	279.6	333.4	394.6	456.1	509.7	550.4
-45°	63.5	88.9	118.3	158.0	199.8	244.1	292.8	343.5	409.5	470.3	520.9
-47.5°	53.0	74.1	101.1	134.0	172.4	211.8	252.9	303.6	358.5	418.4	476.2
-50°	43.4	62.2	83.9	113.6	146.4	181.2	217.8	264.1	314.7	365.8	418.7
-52.5°	37.0	50.0	70.1	93.3	122.3	153.4	187.2	226.7	271.5	318.2	365.1
-55°	30.4	41.7	56.5	76.1	98.8	126.7	158.4	192.8	228.0	270.5	312.6
-57.5°	24.5	34.1	45.8	60.4	79.2	100.1	129.5	160.1	192.4	225.3	260.3
-60°	19.0	27.0	36.9	48.2	61.2	79.6	100.6	127.0	155.8	184.7	214.2
-62.5°	13.9	20.4	28.5	37.8	48.6	60.2	77.1	97.0	118.5	142.6	167.4
-65°	11.7	14.5	20.3	28.1	36.7	46.8	57.9	69.7	87.2	104.4	121.5
-67.5°	9.4	11.8	14.5	18.4	25.6	33.6	42.1	52.1	62.7	72.3	83.5
-70°	8.5	9.2	11.2	13.7	16.5	20.8	28.0	35.4	42.9	50.2	58.4
-72.5°	8.0	8.4	9.1	9.8	11.9	14.5	17.4	20.6	25.4	31.2	36.9
-75°	7.4	7.7	8.1	8.6	9.2	10.0	11.0	13.3	15.8	18.3	20.7
-77.5°	6.9	7.1	7.3	7.5	7.8	8.3	8.8	9.4	10.3	11.3	12.4
-80°	6.4	6.6	6.8	6.9	6.9	7.0	7.1	7.3	7.6	8.0	8.5
-82.5°	5.9	6.0	6.2	6.3	6.2	6.0	5.8	5.8	6.0	6.1	6.3
-85°	5.4	5.5	5.6	5.7	5.5	5.3	5.1	4.9	4.9	5.0	5.0
-87.5°	4.9	4.9	5.0	5.0	4.8	4.6	4.3	4.1	4.1	4.1	4.2
-90°	4.1	3.9	3.6	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5



REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	3.3	3.3	3.3	3.3	3.3	3.6	3.9	4.1	4.4	4.9	5.5
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.9	1.7
85°	2.9	2.8	2.6	2.4	2.2	2.2	2.2	2.2	2.2	1.9	1.7
82.5°	3.3	3.0	2.8	2.5	2.2	2.2	2.2	2.2	2.2	1.9	1.7
80°	3.3	3.2	3.0	2.9	2.9	2.8	2.6	2.4	2.2	1.9	1.7
77.5°	3.4	3.3	3.3	3.3	3.3	3.1	2.8	2.5	2.2	2.0	1.7
75°	3.4	3.3	3.4	3.4	3.3	3.2	3.1	3.1	3.1	2.9	2.7
72.5°	4.3	4.1	4.0	4.0	3.8	3.7	3.7	3.5	3.4	3.3	3.2
70°	5.9	5.8	5.6	5.5	5.3	5.0	4.9	4.6	4.3	4.2	4.3
67.5°	8.7	8.9	8.8	8.4	7.5	6.7	6.3	5.9	5.4	5.4	5.7
65°	12.8	11.2	10.1	9.2	8.5	7.8	7.4	7.0	6.5	6.7	7.6
62.5°	15.2	11.9	10.2	9.5	9.1	8.8	8.1	7.7	7.4	7.6	8.4
60°	17.7	12.8	9.6	9.0	8.4	7.8	7.7	7.7	7.7	7.8	8.2
57.5°	18.9	13.1	8.8	8.5	8.2	7.8	7.8	7.9	7.9	7.7	8.1
55°	18.5	13.2	9.1	8.7	8.6	8.7	8.7	8.2	7.9	7.7	8.0
52.5°	16.8	12.7	9.7	9.0	8.9	8.5	7.7	8.2	8.6	9.0	9.5
50°	15.0	12.0	10.5	9.7	9.7	9.8	9.8	10.4	10.9	11.3	11.7
47.5°	13.8	12.0	11.9	11.7	12.0	12.6	12.9	13.5	15.2	16.0	16.4
45°	13.9	14.7	15.3	15.9	15.8	19.0	21.2	22.4	23.9	25.3	26.4
42.5°	18.7	20.9	22.8	25.7	27.4	32.6	35.4	32.0	39.1	45.2	46.7
40°	28.7	31.8	38.6	46.2	55.3	59.2	77.7	78.5	86.5	106.5	113.0
37.5°	43.7	52.5	76.2	96.3	128.1	147.0	170.4	192.9	211.0	229.5	242.2
35°	68.1	113.4	149.1	211.5	254.3	275.9	303.7	337.0	351.0	409.4	454.0
32.5°	145.5	226.8	323.6	373.5	429.6	472.5	466.5	604.8	658.1	745.8	817.2
30°	268.9	463.0	723.0	723.1	713.0	949.5	1036.0	1214.6	1397.7	1519.6	1811.3
27.5°	621.5	1033.5	1445.4	1453.8	1632.2	2125.9	2407.1	2491.6	3286.1	3796.3	4492.1
25°	1145.3	1823.5	2391.6	2656.1	3186.0	3990.5	4466.7	5034.5	6220.2	7571.3	8424.2
22.5°	1705.7	2428.5	3282.3	3884.4	4900.1	5935.0	6801.0	8054.0	9647.6	11155.2	12175.2
20°	2127.6	2976.6	4182.6	5447.4	6734.2	8031.4	9376.7	11098.4	13255.6	15091.4	16750.7
17.5°	2987.8	3885.5	5517.6	7237.9	8984.4	10370.4	12494.8	14559.7	17187.9	19851.8	21915.2
15°	4260.6	5707.7	7340.6	9572.1	12028.5	14149.4	16401.9	20025.6	23222.9	26646.8	29705.9
12.5°	5894.0	7811.8	9975.8	12542.0	15761.6	19089.9	22525.4	26350.2	30532.1	34644.8	39010.4
10°	7419.1	10054.9	12848.7	16006.4	19690.7	23893.9	28091.4	32425.2	38236.4	43503.2	48171.6
7.5°	8472.1	11576.4	15005.4	18864.9	23412.5	27883.0	32624.5	38517.1	45306.1	51278.3	56062.5
5°	9417.6	12935.3	16359.2	20260.9	25548.0	30657.8	36260.2	43432.4	51160.5	57709.8	62477.8
2.5°	10240.9	14026.4	17351.4	21282.0	27087.0	32403.4	38521.1	47068.7	56071.7	62631.8	67662.6
0°	10918.1	14612.5	17912.7	21961.3	28099.0	33574.7	39850.8	49356.3	59719.7	66346.8	71182.6
-2.5°	10262.4	13613.9	16871.5	20972.2	27157.4	32765.2	39548.6	49217.3	59387.8	66535.5	71528.6
-5°	9767.2	12827.7	15920.2	19977.9	25418.0	30617.9	36983.2	46926.8	57631.7	64853.8	69906.1
-7.5°	9383.4	12054.4	14866.0	18602.4	23579.0	29093.2	35918.0	45512.0	55627.4	62931.7	67509.5
-10°	8965.0	11259.6	14323.8	18089.8	22929.2	28186.1	34249.2	43124.0	53344.6	60372.4	65734.1
-12.5°	8837.6	11260.4	14346.9	17616.8	22068.2	27116.5	32897.1	40456.6	48290.4	55660.0	60361.9
-15°	8632.1	11090.7	14111.4	17186.8	21222.4	26084.5	30910.0	36496.6	43044.3	48369.2	53281.1
-17.5°	8229.1	10591.7	12861.8	15735.6	19663.3	24170.7	27827.1	32220.6	36944.6	41005.1	44710.1
-20°	7264.3	8871.1	11022.7	13732.7	17098.6	20748.4	24077.6	27247.4	30283.3	33376.7	35519.6



REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5558.5	7101.5	8905.5	11156.5	13824.9	17005.6	19947.6	22094.5	24509.4	26736.8	28568.2
-25°	4064.9	5195.4	6879.1	8799.9	10541.3	13088.9	15346.7	16796.6	18916.3	20581.4	22166.7
-27.5°	2939.6	4046.7	5419.7	6937.5	8243.1	9611.7	11604.8	12989.3	14656.5	15933.3	17255.6
-30°	2006.4	3225.6	4490.9	5732.4	6725.7	7759.7	8864.2	10229.9	11568.3	12641.0	13596.2
-32.5°	1391.6	2275.1	3511.6	4668.4	5566.1	6354.5	7080.2	8117.7	9119.2	9992.4	10708.3
-35°	852.6	1479.1	2335.5	3437.0	4386.0	5143.6	5813.0	6473.8	7114.5	7771.5	8325.0
-37.5°	721.3	870.8	1404.5	2163.0	3067.0	3910.1	4565.8	5111.4	5595.1	6095.1	6488.6
-40°	637.4	726.9	860.8	1138.3	1833.6	2534.6	3241.5	3828.7	4360.6	4804.0	5148.6
-42.5°	582.1	642.0	707.2	816.0	944.9	1288.5	1896.4	2489.1	3066.1	3549.9	3955.5
-45°	565.0	595.0	630.3	688.5	741.9	846.4	959.3	1076.2	1534.9	2021.6	2450.4
-47.5°	525.9	574.0	606.0	631.0	660.8	708.1	751.4	806.6	912.0	1016.5	1101.8
-50°	474.1	526.7	570.9	613.7	644.0	664.7	680.5	709.1	751.1	791.9	824.8
-52.5°	411.3	462.3	513.8	565.8	608.8	648.7	686.1	711.9	731.5	748.2	756.8
-55°	354.2	396.9	439.9	492.3	544.3	594.2	642.1	682.9	721.1	756.6	776.8
-57.5°	298.5	335.2	373.6	420.4	466.6	511.9	558.4	605.5	651.6	694.7	719.6
-60°	245.3	278.0	312.6	350.5	390.6	432.4	472.5	512.4	552.0	587.1	607.7
-62.5°	193.3	220.8	249.0	278.9	310.4	343.4	376.6	410.2	443.7	471.9	489.3
-65°	140.5	162.8	184.4	206.2	228.4	253.4	279.7	305.3	330.0	349.4	362.0
-67.5°	98.2	112.7	125.9	138.7	154.4	172.2	191.1	209.5	227.2	240.6	249.6
-70°	66.6	74.7	82.0	90.4	100.7	111.3	122.4	133.0	143.1	150.9	156.9
-72.5°	42.6	47.9	53.0	58.8	64.4	70.5	76.9	82.9	88.6	92.6	95.7
-75°	23.0	25.9	30.1	34.1	37.7	42.1	46.7	51.0	54.9	57.1	58.5
-77.5°	14.1	16.0	17.8	19.6	21.2	23.6	26.3	28.9	31.6	32.8	33.7
-80°	9.2	10.1	11.0	12.0	12.9	14.4	15.8	17.3	18.7	19.2	19.5
-82.5°	6.5	6.8	7.2	7.5	7.9	8.8	9.8	10.7	11.7	12.4	13.1
-85°	5.1	5.2	5.2	5.3	5.3	5.8	6.3	6.9	7.5	7.8	8.2
-87.5°	4.2	4.2	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.7	5.0
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.9	1.7



REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	6.0	6.6	6.1	5.5	6.1	6.6	6.0	5.5	4.9	4.4	4.1
87.5°	1.4	1.1	0.6	0.0	0.6	1.1	1.4	1.7	1.9	2.2	2.2
85°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2
82.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2
80°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.4
77.5°	1.4	1.1	1.6	2.2	1.6	1.1	1.4	1.7	2.0	2.2	2.5
75°	2.4	2.2	2.2	2.2	2.2	2.2	2.4	2.7	2.9	3.1	3.1
72.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.3	3.4	3.5
70°	4.3	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.2	4.3	4.6
67.5°	6.1	6.5	6.6	6.6	6.6	6.5	6.1	5.7	5.4	5.4	5.9
65°	8.6	9.7	9.5	8.9	9.5	9.7	8.6	7.6	6.7	6.5	7.0
62.5°	9.2	9.9	10.0	10.0	10.0	9.9	9.2	8.4	7.6	7.4	7.7
60°	8.5	8.9	8.9	8.9	8.9	8.9	8.5	8.2	7.8	7.7	7.7
57.5°	8.4	8.8	8.9	8.9	8.9	8.8	8.4	8.1	7.7	7.9	7.9
55°	8.4	8.8	8.9	8.9	8.9	8.8	8.4	8.0	7.7	7.9	8.2
52.5°	9.8	9.9	10.0	10.0	10.0	9.9	9.8	9.5	9.0	8.6	8.2
50°	12.3	12.9	12.5	11.1	12.5	12.9	12.3	11.7	11.3	10.9	10.4
47.5°	16.4	15.8	15.4	15.5	15.4	15.8	16.4	16.4	16.0	15.2	13.5
45°	26.8	26.5	26.4	26.6	26.4	26.5	26.8	26.4	25.3	23.9	22.4
42.5°	48.3	48.4	47.6	46.5	47.6	48.4	48.3	46.7	45.2	39.1	32.0
40°	112.7	103.3	90.5	83.0	90.5	103.3	112.7	113.0	106.5	86.5	78.5
37.5°	253.8	261.2	261.8	256.8	261.8	261.2	253.8	242.2	229.5	211.0	192.9
35°	482.2	499.5	500.5	491.5	500.5	499.5	482.2	454.0	409.4	351.0	337.0
32.5°	816.0	854.9	869.5	865.7	869.5	854.9	816.0	817.2	745.8	658.1	604.8
30°	1675.7	1687.3	1568.0	1349.5	1568.0	1687.3	1675.7	1811.3	1519.6	1397.7	1214.6
27.5°	4869.6	5319.1	5482.1	5410.3	5482.1	5319.1	4869.6	4492.1	3796.3	3286.1	2491.6
25°	8669.1	8965.3	9260.8	9295.1	9260.8	8965.3	8669.1	8424.2	7571.3	6220.2	5034.5
22.5°	12881.6	13302.5	13701.9	13610.6	13701.9	13302.5	12881.6	12175.2	11155.2	9647.6	8054.0
20°	17804.5	18094.7	18389.5	18063.3	18389.5	18094.7	17804.5	16750.7	15091.4	13255.6	11098.4
17.5°	24076.4	25443.0	26656.1	26107.4	26656.1	25443.0	24076.4	21915.2	19851.8	17187.9	14559.7
15°	32586.2	34964.8	36359.8	36286.0	36359.8	34964.8	32586.2	29705.9	26646.8	23222.9	20025.6
12.5°	42392.6	44878.2	46301.8	46007.3	46301.8	44878.2	42392.6	39010.4	34644.8	30532.1	26350.2
10°	51240.0	53191.9	54883.4	55546.0	54883.4	53191.9	51240.0	48171.6	43503.2	38236.4	32425.2
7.5°	59054.6	60508.8	61919.8	62172.0	61919.8	60508.8	59054.6	56062.5	51278.3	45306.1	38517.1
5°	65487.5	67547.8	68345.5	68661.7	68345.5	67547.8	65487.5	62477.8	57709.8	51160.5	43432.4
2.5°	70679.3	72564.0	73561.7	73267.2	73561.7	72564.0	70679.3	67662.6	62631.8	56071.7	47068.7
0°	73661.9	75153.7	75968.5	75773.7	75968.5	75153.7	73661.9	71182.6	66346.8	59719.7	49356.3
-2.5°	73955.8	74959.0	75596.3	75346.3	75596.3	74959.0	73955.8	71528.6	66535.5	59387.8	49217.3
-5°	71922.0	72738.3	73073.1	73216.3	73073.1	72738.3	71922.0	69906.1	64853.8	57631.7	46926.8
-7.5°	69119.5	70216.1	70049.3	70337.8	70049.3	70216.1	69119.5	67509.5	62931.7	55627.4	45512.0
-10°	67450.4	68462.5	68315.9	68393.8	68315.9	68462.5	67450.4	65734.1	60372.4	53344.6	43124.0
-12.5°	63400.6	64870.0	65095.5	65348.7	65095.5	64870.0	63400.6	60361.9	55660.0	48290.4	40456.6
-15°	56505.1	58119.7	59095.9	59315.7	59095.9	58119.7	56505.1	53281.1	48369.2	43044.3	36496.6
-17.5°	47790.3	50023.3	51593.0	51957.9	51593.0	50023.3	47790.3	44710.1	41005.1	36944.6	32220.6
-20°	38136.6	39735.0	40548.3	40986.7	40548.3	39735.0	38136.6	35519.6	33376.7	30283.3	27247.4



REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	30016.9	31072.5	31525.6	31599.7	31525.6	31072.5	30016.9	28568.2	26736.8	24509.4	22094.5
-25°	23450.4	24169.9	24478.3	24933.9	24478.3	24169.9	23450.4	22166.7	20581.4	18916.3	16796.6
-27.5°	18198.4	18831.0	19113.1	19532.4	19113.1	18831.0	18198.4	17255.6	15933.3	14656.5	12989.3
-30°	14240.6	14621.6	14716.8	14737.6	14716.8	14621.6	14240.6	13596.2	12641.0	11568.3	10229.9
-32.5°	11264.3	11693.5	11949.7	12064.0	11949.7	11693.5	11264.3	10708.3	9992.4	9119.2	8117.7
-35°	8739.5	9022.4	9190.8	9380.4	9190.8	9022.4	8739.5	8325.0	7771.5	7114.5	6473.8
-37.5°	6794.7	7004.4	7120.5	7159.5	7120.5	7004.4	6794.7	6488.6	6095.1	5595.1	5111.4
-40°	5423.5	5631.8	5756.9	5775.7	5756.9	5631.8	5423.5	5148.6	4804.0	4360.6	3828.7
-42.5°	4263.6	4523.1	4691.0	4729.5	4691.0	4523.1	4263.6	3955.5	3549.9	3066.1	2489.1
-45°	2764.1	3005.7	3133.5	3125.3	3133.5	3005.7	2764.1	2450.4	2021.6	1534.9	1076.2
-47.5°	1156.4	1195.3	1212.1	1206.7	1212.1	1195.3	1156.4	1101.8	1016.5	912.0	806.6
-50°	850.9	873.0	885.1	887.9	885.1	873.0	850.9	824.8	791.9	751.1	709.1
-52.5°	764.1	772.3	775.1	775.0	775.1	772.3	764.1	756.8	748.2	731.5	711.9
-55°	795.5	813.3	820.3	820.4	820.3	813.3	795.5	776.8	756.6	721.1	682.9
-57.5°	742.2	762.2	771.5	773.9	771.5	762.2	742.2	719.6	694.7	651.6	605.5
-60°	626.3	642.3	649.4	651.0	649.4	642.3	626.3	607.7	587.1	552.0	512.4
-62.5°	504.2	516.4	520.2	519.2	520.2	516.4	504.2	489.3	471.9	443.7	410.2
-65°	372.6	381.0	381.7	378.6	381.7	381.0	372.6	362.0	349.4	330.0	305.3
-67.5°	256.7	262.0	262.3	260.2	262.3	262.0	256.7	249.6	240.6	227.2	209.5
-70°	161.9	166.0	166.2	165.0	166.2	166.0	161.9	156.9	150.9	143.1	133.0
-72.5°	98.5	100.7	102.7	104.1	102.7	100.7	98.5	95.7	92.6	88.6	82.9
-75°	59.5	60.3	60.2	59.8	60.2	60.3	59.5	58.5	57.1	54.9	51.0
-77.5°	34.4	35.1	36.4	37.6	36.4	35.1	34.4	33.7	32.8	31.6	28.9
-80°	19.7	19.8	20.4	21.0	20.4	19.8	19.7	19.5	19.2	18.7	17.3
-82.5°	13.7	14.3	14.4	14.4	14.4	14.3	13.7	13.1	12.4	11.7	10.7
-85°	8.5	8.9	9.4	10.0	9.4	8.9	8.5	8.2	7.8	7.5	6.9
-87.5°	5.2	5.5	5.5	5.5	5.5	5.5	5.2	5.0	4.7	4.4	4.4
-90°	1.4	1.1	0.5	0.0	0.5	1.1	1.4	1.7	1.9	2.2	2.2



REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	3.9	3.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.8	3.0	3.3
85°	2.2	2.2	2.2	2.4	2.6	2.8	2.9	3.0	3.0	3.2	3.3
82.5°	2.2	2.2	2.2	2.5	2.8	3.0	3.3	3.3	3.3	3.3	3.3
80°	2.6	2.8	2.9	2.9	3.0	3.2	3.3	3.4	3.3	3.3	3.3
77.5°	2.8	3.1	3.3	3.3	3.3	3.3	3.4	3.6	3.8	3.9	3.9
75°	3.1	3.2	3.3	3.4	3.4	3.3	3.4	3.7	4.0	4.2	4.4
72.5°	3.7	3.7	3.8	4.0	4.0	4.1	4.3	4.5	4.6	4.5	4.4
70°	4.9	5.0	5.3	5.5	5.6	5.8	5.9	6.0	6.1	6.1	5.6
67.5°	6.3	6.7	7.5	8.4	8.8	8.9	8.7	8.1	7.9	7.8	7.0
65°	7.4	7.8	8.5	9.2	10.1	11.2	12.8	13.0	12.3	10.8	8.5
62.5°	8.1	8.8	9.1	9.5	10.2	11.9	15.2	17.0	17.6	15.6	11.9
60°	7.7	7.8	8.4	9.0	9.6	12.8	17.7	21.2	23.2	19.7	14.9
57.5°	7.8	7.8	8.2	8.5	8.8	13.1	18.9	25.1	28.9	22.8	17.1
55°	8.7	8.7	8.6	8.7	9.1	13.2	18.5	24.7	28.3	24.6	18.2
52.5°	7.7	8.5	8.9	9.0	9.7	12.7	16.8	22.6	24.4	21.5	17.7
50°	9.8	9.8	9.7	9.7	10.5	12.0	15.0	19.5	19.6	18.4	15.3
47.5°	12.9	12.6	12.0	11.7	11.9	12.0	13.8	15.9	17.1	15.7	13.4
45°	21.2	19.0	15.8	15.9	15.3	14.7	13.9	16.3	17.0	16.0	12.4
42.5°	35.4	32.6	27.4	25.7	22.8	20.9	18.7	19.9	20.4	18.6	16.9
40°	77.7	59.2	55.3	46.2	38.6	31.8	28.7	25.9	25.9	24.4	23.6
37.5°	170.4	147.0	128.1	96.3	76.2	52.5	43.7	36.8	32.5	35.1	33.7
35°	303.7	275.9	254.3	211.5	149.1	113.4	68.1	53.0	49.0	51.4	47.2
32.5°	466.5	472.5	429.6	373.5	323.6	226.8	145.5	79.7	87.5	83.0	68.1
30°	1036.0	949.5	713.0	723.1	723.0	463.0	268.9	210.1	156.5	129.3	98.2
27.5°	2407.1	2125.9	1632.2	1453.8	1445.4	1033.5	621.5	428.8	274.5	202.8	149.6
25°	4466.7	3990.5	3186.0	2656.1	2391.6	1823.5	1145.3	810.7	522.5	293.5	204.3
22.5°	6801.0	5935.0	4900.1	3884.4	3282.3	2428.5	1705.7	1278.9	800.7	420.2	270.5
20°	9376.7	8031.4	6734.2	5447.4	4182.6	2976.6	2127.6	1744.4	1169.9	593.5	333.9
17.5°	12494.8	10370.4	8984.4	7237.9	5517.6	3885.5	2987.8	2348.8	1632.6	738.9	391.6
15°	16401.9	14149.4	12028.5	9572.1	7340.6	5707.7	4260.6	3148.9	2180.4	1016.8	521.7
12.5°	22525.4	19089.9	15761.6	12542.0	9975.8	7811.8	5894.0	4266.0	2820.4	1512.6	733.8
10°	28091.4	23893.9	19690.7	16006.4	12848.7	10054.9	7419.1	5150.4	3377.4	2013.6	965.8
7.5°	32624.5	27883.0	23412.5	18864.9	15005.4	11576.4	8472.1	5889.5	3848.7	2465.7	1207.2
5°	36260.2	30657.8	25548.0	20260.9	16359.2	12935.3	9417.6	6555.2	4236.9	2862.2	1446.3
2.5°	38521.1	32403.4	27087.0	21282.0	17351.4	14026.4	10240.9	7129.7	4565.4	3173.2	1654.8
0°	39850.8	33574.7	28099.0	21961.3	17912.7	14612.5	10918.1	7582.5	4831.3	3409.8	1836.7
-2.5°	39548.6	32765.2	27157.4	20972.2	16871.5	13613.9	10262.4	7412.6	5082.6	3461.3	1769.5
-5°	36983.2	30617.9	25418.0	19977.9	15920.2	12827.7	9767.2	7275.7	5217.2	3432.9	1666.9
-7.5°	35918.0	29093.2	23579.0	18602.4	14866.0	12054.4	9383.4	7189.9	5217.2	3385.6	1689.5
-10°	34249.2	28186.1	22929.2	18089.8	14323.8	11259.6	8965.0	7015.3	5109.1	3241.3	1649.6
-12.5°	32897.1	27116.5	22068.2	17616.8	14346.9	11260.4	8837.6	6797.4	4888.9	2998.1	1536.6
-15°	30910.0	26084.5	21222.4	17186.8	14111.4	11090.7	8632.1	6534.6	4414.5	2599.5	1343.1
-17.5°	27827.1	24170.7	19663.3	15735.6	12861.8	10591.7	8229.1	5931.5	3751.8	2083.6	1036.9
-20°	24077.6	20748.4	17098.6	13732.7	11022.7	8871.1	7264.3	4983.4	3008.9	1643.9	919.8



REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19947.6	17005.6	13824.9	11156.5	8905.5	7101.5	5558.5	3757.5	2173.8	1162.3	796.3
-25°	15346.7	13088.9	10541.3	8799.9	6879.1	5195.4	4064.9	2743.2	1595.8	858.0	674.8
-27.5°	11604.8	9611.7	8243.1	6937.5	5419.7	4046.7	2939.6	1853.2	1029.4	733.6	596.7
-30°	8864.2	7759.7	6725.7	5732.4	4490.9	3225.6	2006.4	1244.9	788.7	628.7	541.3
-32.5°	7080.2	6354.5	5566.1	4668.4	3511.6	2275.1	1391.6	808.5	657.1	573.6	518.6
-35°	5813.0	5143.6	4386.0	3437.0	2335.5	1479.1	852.6	689.9	588.6	531.1	504.4
-37.5°	4565.8	3910.1	3067.0	2163.0	1404.5	870.8	721.3	616.0	543.4	515.8	476.7
-40°	3241.5	2534.6	1833.6	1138.3	860.8	726.9	637.4	564.5	532.3	491.1	441.5
-42.5°	1896.4	1288.5	944.9	816.0	707.2	642.0	582.1	550.4	509.7	456.1	394.6
-45°	959.3	846.4	741.9	688.5	630.3	595.0	565.0	520.9	470.3	409.5	343.5
-47.5°	751.4	708.1	660.8	631.0	606.0	574.0	525.9	476.2	418.4	358.5	303.6
-50°	680.5	664.7	644.0	613.7	570.9	526.7	474.1	418.7	365.8	314.7	264.1
-52.5°	686.1	648.7	608.8	565.8	513.8	462.3	411.3	365.1	318.2	271.5	226.7
-55°	642.1	594.2	544.3	492.3	439.9	396.9	354.2	312.6	270.5	228.0	192.8
-57.5°	558.4	511.9	466.6	420.4	373.6	335.2	298.5	260.3	225.3	192.4	160.1
-60°	472.5	432.4	390.6	350.5	312.6	278.0	245.3	214.2	184.7	155.8	127.0
-62.5°	376.6	343.4	310.4	278.9	249.0	220.8	193.3	167.4	142.6	118.5	97.0
-65°	279.7	253.4	228.4	206.2	184.4	162.8	140.5	121.5	104.4	87.2	69.7
-67.5°	191.1	172.2	154.4	138.7	125.9	112.7	98.2	83.5	72.3	62.7	52.1
-70°	122.4	111.3	100.7	90.4	82.0	74.7	66.6	58.4	50.2	42.9	35.4
-72.5°	76.9	70.5	64.4	58.8	53.0	47.9	42.6	36.9	31.2	25.4	20.6
-75°	46.7	42.1	37.7	34.1	30.1	25.9	23.0	20.7	18.3	15.8	13.3
-77.5°	26.3	23.6	21.2	19.6	17.8	16.0	14.1	12.4	11.3	10.3	9.4
-80°	15.8	14.4	12.9	12.0	11.0	10.1	9.2	8.5	8.0	7.6	7.3
-82.5°	9.8	8.8	7.9	7.5	7.2	6.8	6.5	6.3	6.1	6.0	5.8
-85°	6.3	5.8	5.3	5.3	5.2	5.2	5.1	5.0	5.0	4.9	4.9
-87.5°	4.4	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.1
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.8	3.0	3.3



REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	3.6	3.9	4.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	3.5	3.7	3.8	3.9	4.0	4.1	4.3	4.4	4.4	4.4	4.4
85°	3.6	3.9	4.1	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
82.5°	3.6	3.9	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
80°	3.6	3.9	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
77.5°	3.9	4.0	4.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
75°	4.4	4.3	4.3	4.4	4.5	4.4	4.4	4.4	4.5	4.4	4.4
72.5°	4.4	4.4	4.4	4.5	4.7	4.7	4.6	4.5	4.6	4.6	4.5
70°	5.0	4.5	4.4	4.6	4.9	5.1	5.0	4.9	4.8	4.9	4.7
67.5°	6.1	5.4	4.8	4.7	4.9	5.2	5.4	5.2	5.1	5.1	5.0
65°	7.4	6.4	5.5	5.2	5.1	5.2	5.5	5.5	5.3	5.3	5.3
62.5°	9.2	7.7	6.6	5.8	5.4	5.3	5.5	5.5	5.5	5.4	5.4
60°	11.2	8.7	7.7	6.7	5.9	5.5	5.5	5.5	5.5	5.5	5.5
57.5°	12.5	9.2	8.2	7.4	6.5	5.8	5.5	5.5	5.5	5.5	5.5
55°	13.0	9.6	8.8	7.9	7.1	6.3	5.7	5.5	5.5	5.5	5.5
52.5°	12.6	10.1	9.3	8.4	7.5	6.7	6.1	5.5	5.5	5.5	5.5
50°	11.2	10.8	9.8	8.8	7.9	7.1	6.5	5.8	5.5	5.5	5.5
47.5°	11.4	11.4	10.6	9.4	8.3	7.6	6.9	6.2	5.5	5.5	5.5
45°	12.9	12.3	11.5	10.2	8.8	8.0	7.3	6.6	5.8	5.5	5.5
42.5°	15.6	14.6	12.8	11.1	9.8	8.5	7.7	6.9	6.1	5.6	5.5
40°	21.6	18.3	14.9	13.7	11.1	8.9	8.0	7.2	6.4	5.8	5.6
37.5°	29.0	24.3	19.2	19.2	13.7	10.3	8.4	7.5	6.8	6.1	5.7
35°	40.0	32.2	28.4	27.3	20.7	11.9	8.8	7.8	7.2	6.4	5.9
32.5°	52.7	47.1	43.6	36.8	29.9	13.6	9.8	8.4	7.6	6.7	6.0
30°	77.4	74.1	63.4	47.2	40.3	21.9	11.5	9.1	8.1	7.0	6.2
27.5°	115.6	107.3	88.0	64.7	50.0	32.2	13.7	9.8	8.6	7.3	6.4
25°	156.3	142.6	120.3	87.0	60.4	42.9	16.0	10.7	9.1	7.7	6.7
22.5°	205.0	176.1	156.8	111.8	73.5	53.9	21.6	12.5	9.8	8.1	6.9
20°	250.0	208.0	195.8	136.3	92.1	64.3	30.4	14.4	10.4	8.5	7.1
17.5°	293.6	250.5	225.8	165.3	112.5	76.0	39.0	16.3	11.1	8.9	7.3
15°	375.6	309.8	260.9	194.6	131.7	88.7	47.4	18.3	11.8	9.3	7.4
12.5°	469.7	372.6	301.5	223.8	149.7	102.1	55.4	20.1	12.5	9.6	7.5
10°	567.2	437.7	345.9	252.3	166.4	115.7	62.8	22.6	13.5	10.0	7.6
7.5°	665.6	503.5	392.5	279.6	185.1	136.4	80.0	26.7	14.6	10.3	7.6
5°	755.8	565.5	441.5	322.3	220.8	164.4	99.1	30.8	15.7	10.6	7.7
2.5°	811.6	619.4	488.5	364.8	255.6	191.4	117.7	34.9	16.7	10.9	7.7
0°	859.1	668.7	531.4	404.1	289.0	217.0	135.1	38.7	17.7	11.1	7.7
-2.5°	859.9	670.1	545.9	441.5	325.9	244.3	156.3	50.1	24.3	14.1	8.7
-5°	853.0	668.1	558.7	475.5	360.2	269.3	174.7	60.7	30.5	16.9	9.8
-7.5°	869.6	674.9	570.5	502.6	391.1	291.5	189.5	70.4	36.3	19.5	10.7
-10°	880.9	683.7	578.2	501.1	391.3	297.8	198.0	78.8	41.3	21.8	11.6
-12.5°	877.2	685.5	583.0	494.6	383.3	289.9	190.4	84.7	45.6	23.6	12.3
-15°	856.8	679.5	584.8	482.5	371.8	280.5	181.3	88.7	49.2	25.4	12.9
-17.5°	806.9	665.2	583.3	464.5	356.8	269.8	171.2	91.3	51.9	27.2	13.8
-20°	731.2	632.2	575.3	440.2	338.1	257.8	160.5	92.5	53.6	28.3	14.8



REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	660.5	592.4	528.8	416.2	318.7	244.9	149.5	92.2	54.1	28.8	15.5
-25°	589.3	555.3	481.1	384.6	301.8	228.6	143.2	90.4	53.3	28.5	15.9
-27.5°	541.4	516.4	437.6	352.1	280.9	213.1	140.3	89.3	52.0	27.4	15.9
-30°	506.2	469.8	399.5	321.0	258.0	192.0	135.4	86.7	50.7	26.8	15.6
-32.5°	485.0	430.1	361.9	294.2	233.3	170.6	124.7	82.4	48.3	26.4	15.3
-35°	455.2	393.3	324.9	265.2	208.2	154.8	111.4	76.3	44.7	25.4	14.9
-37.5°	423.0	354.9	291.5	235.9	183.0	137.6	99.4	67.3	39.9	23.9	14.2
-40°	379.1	316.5	258.5	208.5	161.5	119.2	86.6	58.9	36.7	21.9	13.2
-42.5°	333.4	279.6	228.9	181.5	140.1	104.3	73.7	50.2	32.9	20.1	11.9
-45°	292.8	244.1	199.8	158.0	118.3	88.9	63.5	41.6	28.7	18.2	10.8
-47.5°	252.9	211.8	172.4	134.0	101.1	74.1	53.0	36.6	24.2	16.0	10.1
-50°	217.8	181.2	146.4	113.6	83.9	62.2	43.4	31.2	21.0	13.2	9.3
-52.5°	187.2	153.4	122.3	93.3	70.1	50.0	37.0	25.7	17.6	11.6	8.4
-55°	158.4	126.7	98.8	76.1	56.5	41.7	30.4	21.5	13.9	10.3	7.6
-57.5°	129.5	100.1	79.2	60.4	45.8	34.1	24.5	16.9	11.9	9.1	7.4
-60°	100.6	79.6	61.2	48.2	36.9	27.0	19.0	13.1	10.3	7.9	7.1
-62.5°	77.1	60.2	48.6	37.8	28.5	20.4	13.9	11.2	8.7	7.6	6.9
-65°	57.9	46.8	36.7	28.1	20.3	14.5	11.7	9.3	8.0	7.3	6.6
-67.5°	42.1	33.6	25.6	18.4	14.5	11.8	9.4	8.4	7.7	7.0	6.3
-70°	28.0	20.8	16.5	13.7	11.2	9.2	8.5	7.9	7.3	6.7	6.1
-72.5°	17.4	14.5	11.9	9.8	9.1	8.4	8.0	7.5	6.9	6.4	5.8
-75°	11.0	10.0	9.2	8.6	8.1	7.7	7.4	7.1	6.5	6.0	5.7
-77.5°	8.8	8.3	7.8	7.5	7.3	7.1	6.9	6.7	6.2	5.9	5.6
-80°	7.1	7.0	6.9	6.9	6.8	6.6	6.4	6.2	5.9	5.7	5.5
-82.5°	5.8	6.0	6.2	6.3	6.2	6.0	5.9	5.8	5.6	5.5	5.4
-85°	5.1	5.3	5.5	5.7	5.6	5.5	5.4	5.3	5.2	5.2	5.1
-87.5°	4.3	4.6	4.8	5.0	5.0	4.9	4.9	4.9	4.8	4.8	4.7
-90°	3.3	3.3	3.3	3.3	3.6	3.9	4.1	4.4	4.4	4.4	4.4



REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
80°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
77.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
75°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
72.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
70°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
67.5°	4.7	4.4	4.4	4.4	4.4	4.4	4.4
65°	5.0	4.5	4.4	4.4	4.4	4.4	4.4
62.5°	5.2	4.7	4.4	4.4	4.4	4.4	4.4
60°	5.5	4.9	4.4	4.4	4.4	4.4	4.4
57.5°	5.5	5.1	4.6	4.4	4.4	4.4	4.4
55°	5.5	5.3	4.7	4.4	4.4	4.4	4.4
52.5°	5.5	5.5	4.9	4.4	4.4	4.4	4.4
50°	5.5	5.5	5.0	4.4	4.4	4.4	4.4
47.5°	5.5	5.5	5.2	4.4	4.4	4.4	4.4
45°	5.5	5.5	5.3	4.5	4.4	4.4	4.4
42.5°	5.5	5.5	5.4	4.6	4.4	4.4	4.4
40°	5.5	5.5	5.5	4.7	4.4	4.4	4.4
37.5°	5.5	5.5	5.5	4.8	4.4	4.4	4.4
35°	5.5	5.5	5.5	4.8	4.4	4.4	4.4
32.5°	5.5	5.5	5.5	4.9	4.4	4.4	4.4
30°	5.6	5.5	5.5	4.9	4.4	4.4	4.4
27.5°	5.8	5.5	5.5	4.9	4.4	4.4	4.4
25°	5.9	5.5	5.4	4.9	4.4	4.4	4.4
22.5°	6.0	5.5	5.4	4.9	4.4	4.4	4.4
20°	6.2	5.5	5.4	4.9	4.4	4.4	4.4
17.5°	6.3	5.5	5.4	4.8	4.4	4.4	4.4
15°	6.4	5.5	5.4	4.8	4.4	4.4	4.4
12.5°	6.4	5.5	5.4	4.7	4.4	4.4	4.4
10°	6.5	5.5	5.5	4.7	4.4	4.4	4.4
7.5°	6.5	5.5	5.5	4.6	4.4	4.4	4.4
5°	6.6	5.5	5.5	4.5	4.4	4.4	4.4
2.5°	6.6	5.5	5.5	4.5	4.4	4.4	4.4
0°	6.6	5.5	5.5	4.4	4.4	4.4	4.4
-2.5°	7.0	5.7	5.5	4.5	4.4	4.4	4.4
-5°	7.5	6.0	5.5	4.5	4.4	4.4	4.4
-7.5°	7.9	6.2	5.5	4.6	4.4	4.4	4.4
-10°	8.2	6.4	5.5	4.7	4.4	4.4	4.4
-12.5°	8.6	6.6	5.4	4.7	4.4	4.4	4.4
-15°	8.9	6.7	5.4	4.8	4.4	4.4	4.4
-17.5°	9.1	6.8	5.4	4.8	4.4	4.4	4.4
-20°	9.4	6.8	5.4	4.9	4.4	4.4	4.4



REPORT NUMBER: P731443 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	9.7	6.8	5.4	4.9	4.4	4.4	4.4
-25°	9.9	6.8	5.4	4.9	4.4	4.4	4.4
-27.5°	9.9	6.7	5.5	4.9	4.4	4.4	4.4
-30°	9.7	6.6	5.5	4.9	4.4	4.4	4.4
-32.5°	9.4	6.4	5.6	4.9	4.4	4.4	4.4
-35°	9.1	6.2	5.6	4.8	4.4	4.4	4.4
-37.5°	8.8	6.1	5.6	4.8	4.4	4.4	4.4
-40°	8.4	6.1	5.7	4.7	4.4	4.4	4.4
-42.5°	8.0	6.1	5.6	4.6	4.4	4.4	4.4
-45°	7.5	6.2	5.5	4.6	4.4	4.4	4.4
-47.5°	7.0	6.1	5.4	4.5	4.4	4.4	4.4
-50°	6.8	6.1	5.3	4.5	4.4	4.4	4.4
-52.5°	6.8	6.1	5.2	4.5	4.4	4.4	4.4
-55°	6.6	5.9	5.1	4.5	4.4	4.4	4.4
-57.5°	6.5	5.8	4.9	4.5	4.4	4.4	4.4
-60°	6.4	5.6	4.8	4.6	4.4	4.4	4.4
-62.5°	6.1	5.4	4.8	4.6	4.4	4.4	4.4
-65°	5.9	5.2	4.8	4.6	4.4	4.4	4.4
-67.5°	5.7	5.1	4.9	4.6	4.4	4.4	4.4
-70°	5.4	5.1	4.9	4.6	4.4	4.4	4.4
-72.5°	5.4	5.2	4.9	4.6	4.4	4.4	4.4
-75°	5.4	5.2	4.9	4.6	4.4	4.4	4.4
-77.5°	5.5	5.2	4.9	4.6	4.4	4.4	4.4
-80°	5.5	5.1	4.8	4.5	4.4	4.4	4.4
-82.5°	5.2	4.9	4.7	4.5	4.4	4.4	4.4
-85°	5.0	4.8	4.6	4.5	4.4	4.4	4.4
-87.5°	4.7	4.6	4.5	4.4	4.4	4.4	4.4
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4

(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

