

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: P731340 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-40-80-3S-CV5**

Issue Date: 11/16/2023

Test Information

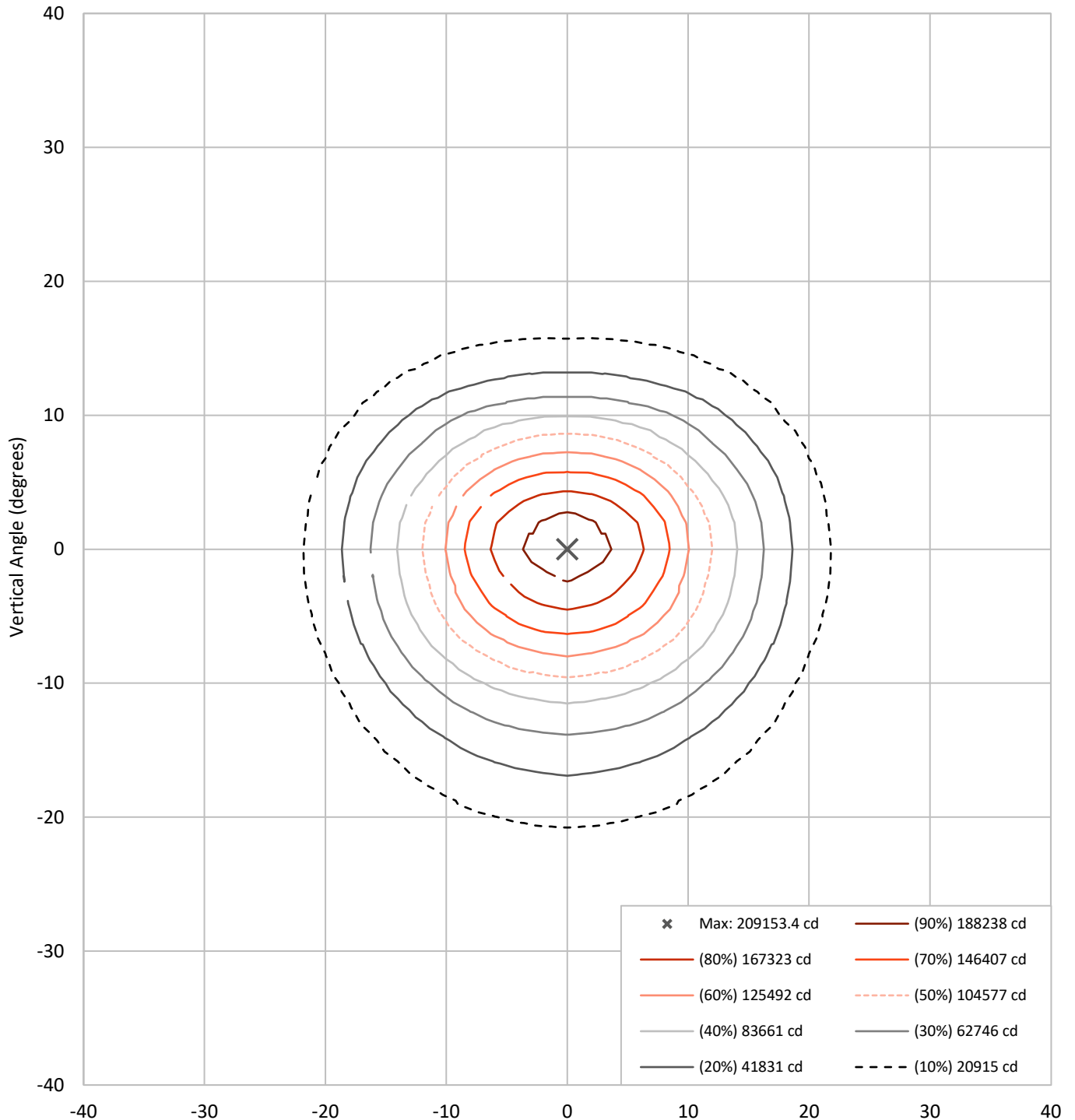
Test Method: LM-79-08
Report Number: P731340 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-16)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-40-80-3S-CV5
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	34965.2 lumens	Max Intensity:	209153.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	101.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24°H x 18.2°V	Field Angle (10%):	43.7°H x 36.4°V
Beam Lumens:	14957.3 lumens	Field Lumens:	29881.3 lumens
Beam Efficiency:	42.8%	Field Efficiency:	85.5%
Input Watts (W):	345.8		
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: P731340 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





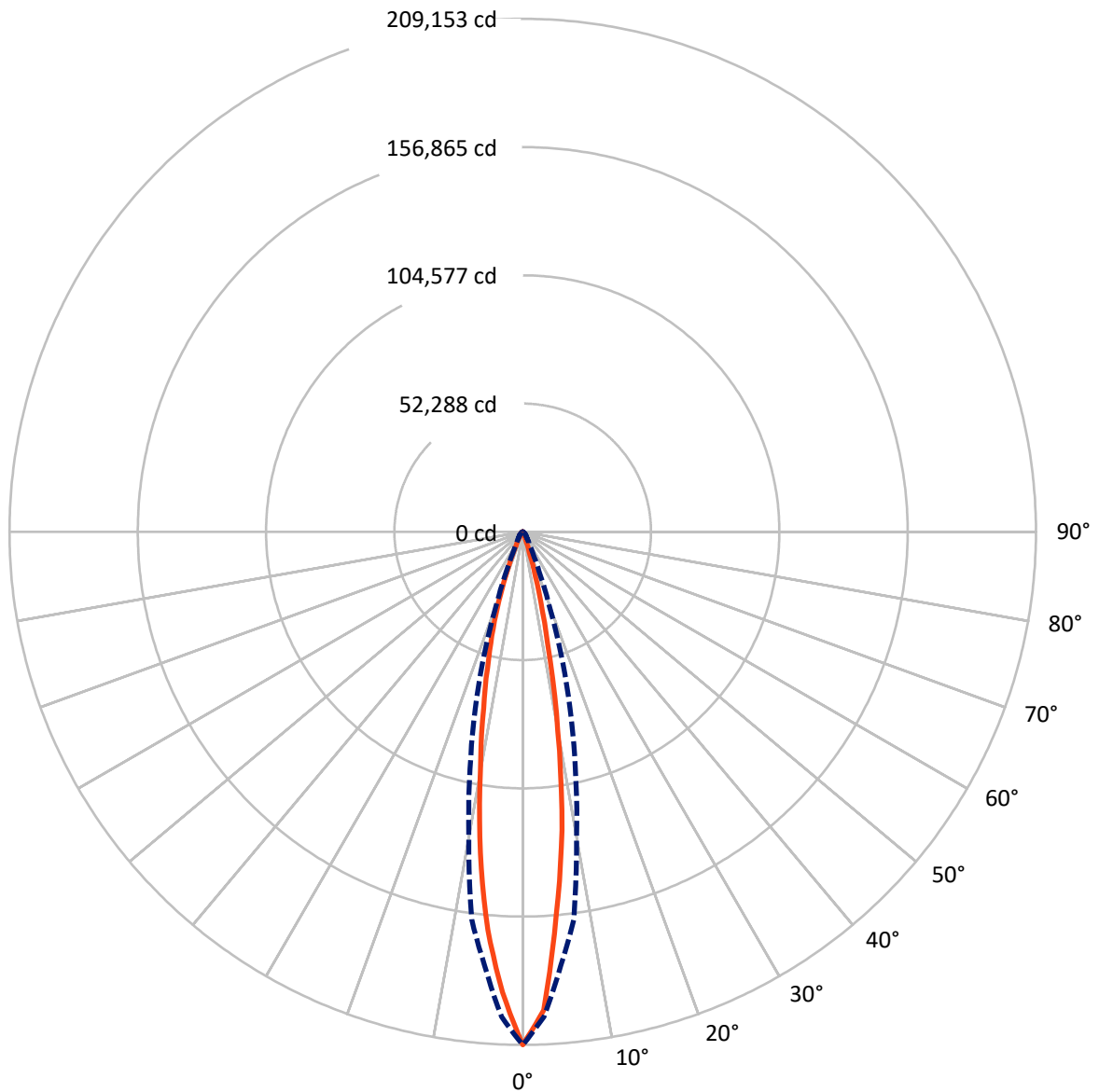
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Lumen Table

90	0.1		0.3		0.4		0.5		0.5		0.5		0.4		0.3		0.1	
80	0.1		0.3		0.4		0.5		0.5		0.5		0.4		0.3		0.1	
70	0.1	0.1	0.1	0.4	0.5	0.3	0.2	0.1	0.1	0.2	0.3	0.5	0.4	0.1	0.1	0.1		
60		0.1	0.2	0.4	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.4	0.2	0.1			
50	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1		
40		0.1	0.4	0.5	1.0	1.4	1.7	2.2	2.2	1.7	1.4	1.0	0.5	0.4	0.1			
30	0.2	0.3	1.0	2.4	4.6	7.0	15.9	32.0	32.0	15.9	7.0	4.6	2.4	1.0	0.3	0.2		
20		0.7	3.6	11.5	25.2	67.5	374.5	857.1	857.1	374.5	67.5	25.2	11.5	3.6	0.7			
10	0.2	1.3	7.5	27.2	63.4	278.9	1749.2	4082.9	4082.9	1749.2	278.9	63.4	27.2	7.5	1.3	0.2		
0		1.7	9.0	31.8	71.1	297.2	1865.6	4205.3	4205.3	1865.6	297.2	71.1	31.8	9.0	1.7			
-10	0.4	1.8	7.7	24.1	50.5	128.1	677.4	1524.4	1524.4	677.4	128.1	50.5	24.1	7.7	1.8	0.4		
-20		1.7	6.3	15.1	35.7	60.4	131.2	263.8	263.8	131.2	60.4	35.7	15.1	6.3	1.7			
-30	0.3	1.6	5.0	10.6	23.1	41.7	56.6	66.1	66.1	56.6	41.7	23.1	10.6	5.0	1.6	0.3		
-40		1.1	3.7	8.0	14.3	23.4	35.8	45.1	45.1	35.8	23.4	14.3	8.0	3.7	1.1			
-50	0.2	0.5	2.2	5.1	9.1	13.4	17.0	19.1	19.1	17.0	13.4	9.1	5.1	2.2	0.5	0.2		
-60		0.2	0.7	2.2	4.1	6.3	8.5	9.8	9.8	8.5	6.3	4.1	2.2	0.7	0.2			
-70	0.1	0.5	1.7	4.5	7.0	4.5	1.7	0.5	0.1	0.1	0.5	1.7	4.5	7.0	4.5	1.7	0.5	0.1
-80		0.1	0.5	1.7	4.5	7.0	4.5	1.7	0.5	0.1	0.1	0.5	1.7	4.5	7.0	4.5	1.7	0.5
-90	0.1		0.5		1.7		4.5		7.0		4.5		1.7		0.5		0.1	

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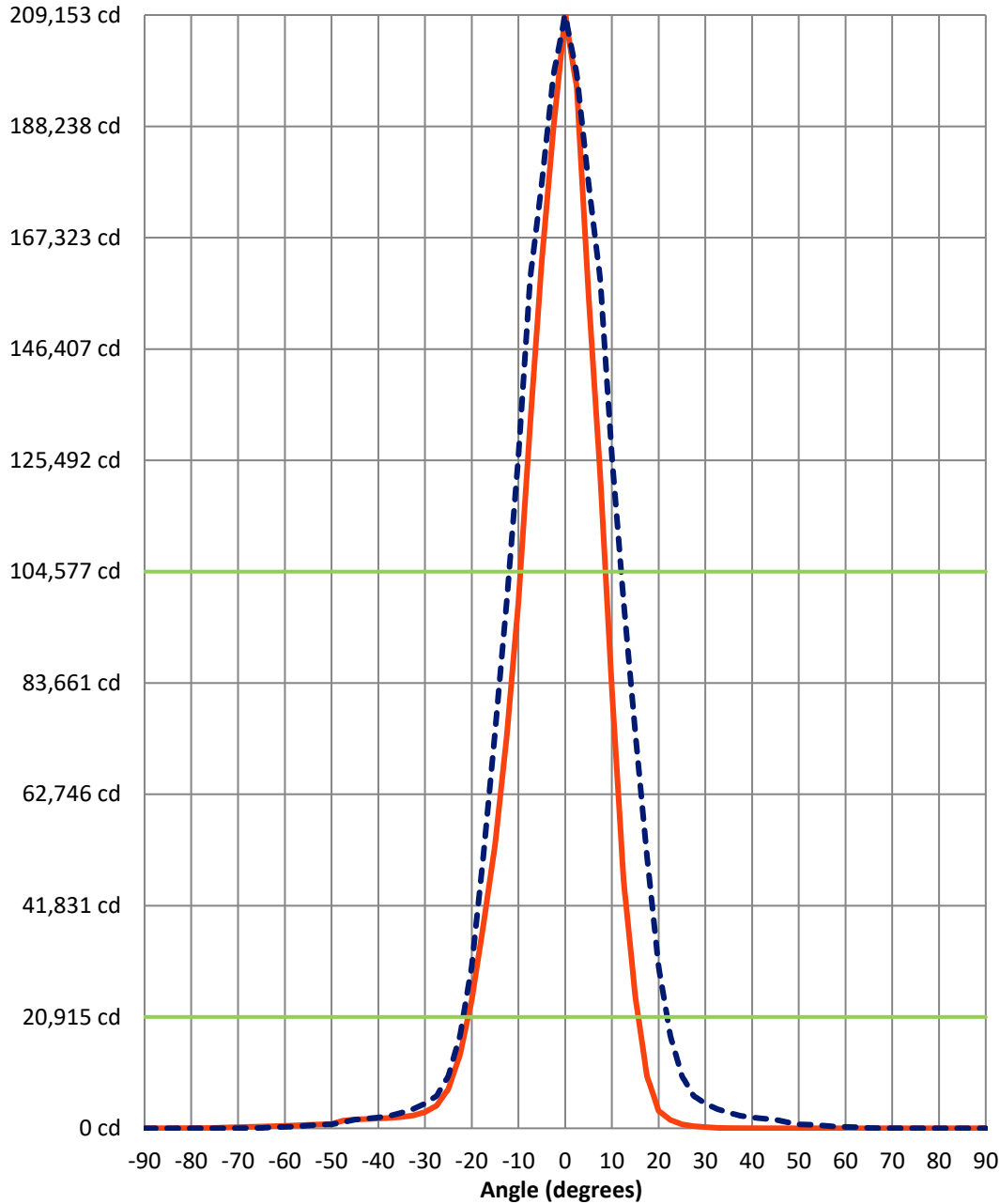
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 24°
V Angle: 18.2°
Lumens: 14957.3
Efficiency: 42.8%

Field:
H Angle: 43.7°
V Angle: 36.4°
Lumens: 29881.3
Efficiency: 85.5%

Spill:
Lumens: 5083.9
Efficiency: 14.5%

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



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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	4.4	4.4
72.5°	4.4	4.4	4.4	4.4	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	4.4	4.4	4.4	4.8
67.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.8	5.2
65°	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.4	4.8	5.2	5.4
62.5°	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.6	5.1	5.5	5.1
60°	4.4	4.4	4.4	4.4	4.4	4.6	4.6	4.9	5.4	5.3	4.8
57.5°	4.4	4.4	4.4	4.4	4.5	4.7	4.8	5.2	5.4	5.2	4.8
55°	4.4	4.4	4.4	4.4	4.6	4.8	5.0	5.5	5.4	5.1	4.9
52.5°	4.4	4.4	4.4	4.4	4.7	5.0	5.2	5.5	5.4	5.1	4.9
50°	4.4	4.4	4.5	4.4	4.9	5.1	5.4	5.6	5.4	5.2	5.9
47.5°	4.4	4.4	4.5	4.4	5.0	5.2	5.5	5.6	5.5	5.3	6.9
45°	4.4	4.4	4.5	4.5	5.1	5.3	5.6	5.7	5.6	5.8	7.6
42.5°	4.4	4.4	4.6	4.6	5.3	5.4	5.7	5.9	5.7	6.2	8.3
40°	4.4	4.4	4.6	4.8	5.3	5.4	5.8	6.0	6.0	6.4	9.0
37.5°	4.4	4.4	4.7	4.9	5.4	5.5	6.0	6.2	6.5	7.1	9.6
35°	4.4	4.4	4.7	5.0	5.4	5.6	6.1	6.4	6.9	8.3	10.0
32.5°	4.4	4.4	4.7	5.1	5.5	5.7	6.3	6.6	7.4	9.5	11.0
30°	4.4	4.4	4.8	5.2	5.5	5.8	6.5	6.9	8.0	10.7	12.2
27.5°	4.4	4.4	4.9	5.2	5.5	5.9	6.6	7.3	8.7	12.0	13.6
25°	4.4	4.4	4.9	5.3	5.5	6.1	6.8	7.8	9.7	13.2	15.4
22.5°	4.4	4.4	5.0	5.4	5.5	6.2	7.0	8.2	10.7	14.5	18.5
20°	4.4	4.4	5.0	5.4	5.5	6.3	7.3	8.6	11.8	15.9	22.0
17.5°	4.4	4.4	5.1	5.4	5.5	6.3	7.4	9.0	12.8	17.4	25.8
15°	4.4	4.4	5.2	5.5	5.5	6.4	7.5	9.5	13.7	18.9	29.7
12.5°	4.4	4.4	5.2	5.5	5.5	6.5	7.5	10.1	14.8	20.5	33.7
10°	4.4	4.4	5.3	5.5	5.5	6.5	7.6	10.8	16.0	23.1	38.7
7.5°	4.4	4.4	5.3	5.5	5.5	6.6	7.6	11.5	17.1	25.9	45.5
5°	4.4	4.4	5.4	5.5	5.5	6.6	7.7	12.1	18.1	28.8	52.4
2.5°	4.4	4.4	5.4	5.5	5.5	6.6	7.7	12.7	19.0	31.6	59.0
0°	4.4	4.4	5.5	5.5	5.5	6.6	7.7	13.3	19.9	34.2	65.2
-2.5°	4.4	4.4	5.5	5.5	5.6	6.8	8.7	15.9	25.2	42.1	74.6
-5°	4.4	4.4	5.5	5.5	5.7	7.1	9.7	18.3	30.4	49.6	83.4
-7.5°	4.4	4.4	5.5	5.5	5.8	7.3	10.6	20.5	35.1	56.5	91.4
-10°	4.4	4.4	5.5	5.5	5.9	7.4	11.5	22.4	39.4	62.9	98.5
-12.5°	4.4	4.4	5.4	5.5	5.9	7.6	12.2	24.1	43.1	68.6	105.0
-15°	4.4	4.4	5.4	5.5	6.0	7.7	12.7	25.3	46.5	73.8	110.6
-17.5°	4.4	4.4	5.4	5.5	6.0	7.8	13.1	26.7	49.6	78.3	115.2
-20°	4.4	4.4	5.4	5.5	6.1	7.9	13.5	28.1	52.0	82.0	118.5



REPORT NUMBER: P731340 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV5

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	5.3	5.5	6.1	7.9	13.9	28.8	53.5	84.8	120.6
-25°	4.4	4.4	5.3	5.5	6.1	8.0	14.0	28.9	54.1	86.8	121.4
-27.5°	4.4	4.4	5.3	5.5	6.1	8.0	13.7	28.3	53.7	87.6	123.1
-30°	4.4	4.4	5.2	5.5	6.0	8.0	13.0	26.9	52.8	87.0	123.7
-32.5°	4.4	4.4	5.2	5.5	6.0	8.0	11.8	25.8	51.1	85.0	123.1
-35°	4.4	4.4	5.1	5.5	6.0	7.8	11.4	24.5	48.4	81.7	121.4
-37.5°	4.4	4.4	5.0	5.5	6.0	7.7	11.2	22.6	44.5	76.9	113.2
-40°	4.4	4.4	5.0	5.5	5.9	7.6	10.9	20.0	39.6	71.4	103.2
-42.5°	4.4	4.4	4.9	5.5	5.9	7.5	10.5	16.7	35.2	62.7	92.2
-45°	4.4	4.4	4.9	5.5	5.9	7.4	10.0	14.3	30.7	53.0	80.3
-47.5°	4.4	4.4	4.8	5.5	5.9	7.2	9.4	13.6	25.3	42.7	68.6
-50°	4.4	4.4	4.7	5.4	5.8	6.9	9.1	12.7	18.8	35.3	56.1
-52.5°	4.4	4.4	4.6	5.3	5.8	6.7	8.7	11.7	15.8	27.4	43.4
-55°	4.4	4.4	4.6	5.2	5.7	6.5	8.3	10.7	14.3	19.3	34.2
-57.5°	4.4	4.4	4.5	5.1	5.6	6.3	7.8	10.0	12.8	16.1	24.7
-60°	4.4	4.4	4.4	5.0	5.5	6.1	7.2	9.3	11.4	14.4	17.5
-62.5°	4.4	4.4	4.4	4.9	5.4	5.9	6.9	8.5	10.4	12.6	15.5
-65°	4.4	4.4	4.4	4.8	5.3	5.6	6.5	7.7	9.5	11.4	13.5
-67.5°	4.4	4.4	4.4	4.7	5.2	5.5	6.0	7.2	8.5	10.2	12.0
-70°	4.4	4.4	4.4	4.6	5.1	5.4	5.6	6.6	7.9	9.1	10.7
-72.5°	4.4	4.4	4.4	4.6	5.0	5.3	5.5	6.0	7.2	8.4	9.5
-75°	4.4	4.4	4.4	4.6	4.9	5.3	5.5	5.8	6.5	7.6	8.7
-77.5°	4.4	4.4	4.4	4.6	4.9	5.2	5.5	5.7	6.2	6.9	7.8
-80°	4.4	4.4	4.4	4.5	4.8	5.1	5.5	5.6	5.9	6.3	7.0
-82.5°	4.4	4.4	4.4	4.5	4.7	4.9	5.2	5.4	5.5	5.7	6.1
-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



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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	4.4	4.4	4.4	4.4	4.7	5.0	5.2
87.5°	4.3	4.1	4.0	3.9	3.8	3.7	3.5	3.3	3.3	3.3	3.3
85°	4.4	4.4	4.4	4.4	4.1	3.9	3.6	3.3	3.3	3.3	3.3
82.5°	4.4	4.4	4.4	4.4	4.2	3.9	3.6	3.5	3.5	3.5	3.4
80°	4.4	4.4	4.4	4.4	4.3	4.2	4.2	4.2	4.1	3.9	3.6
77.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.2	3.9	3.6
75°	4.4	4.4	4.5	4.4	4.4	4.4	4.4	4.4	4.3	4.2	4.2
72.5°	4.6	4.7	4.7	4.5	4.4	4.4	4.4	4.4	5.2	6.3	7.1
70°	5.0	5.1	4.7	4.5	4.4	4.7	6.0	7.9	9.8	11.2	13.1
67.5°	5.4	4.8	4.5	4.5	5.3	6.8	8.9	13.6	18.9	20.9	21.6
65°	4.9	4.5	4.7	5.4	6.5	10.4	15.6	21.7	26.2	25.9	24.5
62.5°	4.5	4.6	5.1	6.9	10.5	15.4	20.1	24.4	28.6	27.4	23.6
60°	4.5	4.7	6.7	10.4	14.1	17.7	22.1	24.5	26.5	26.4	20.9
57.5°	4.5	5.9	9.6	13.1	16.1	18.8	20.2	21.9	22.6	22.7	16.9
55°	5.3	8.2	11.7	14.7	17.0	16.6	17.1	17.3	17.4	16.2	11.5
52.5°	7.0	10.1	13.0	15.6	16.2	14.5	12.7	12.7	11.9	10.0	8.3
50°	8.4	11.2	14.1	15.8	15.1	12.1	9.3	9.3	8.5	7.3	6.3
47.5°	9.5	12.3	15.0	16.0	13.4	10.9	8.6	7.5	6.7	6.5	5.8
45°	10.4	13.1	16.0	14.9	12.7	10.8	8.9	6.6	6.9	6.8	7.1
42.5°	11.3	13.7	15.3	14.3	13.0	11.6	9.8	8.5	7.9	8.7	9.1
40°	11.6	14.0	14.8	15.0	13.8	13.0	12.8	11.8	10.2	11.6	12.1
37.5°	11.8	14.0	15.4	17.2	15.6	16.0	16.6	16.8	15.9	15.6	17.5
35°	11.7	14.4	18.6	20.7	19.4	20.3	22.2	23.1	23.1	22.7	26.0
32.5°	12.0	15.2	22.9	24.8	26.2	27.3	28.6	30.7	32.6	34.7	40.2
30°	13.6	19.2	27.9	29.4	34.5	40.0	38.4	39.5	43.8	57.6	69.7
27.5°	17.0	24.8	32.3	36.7	45.2	56.5	60.1	53.1	65.7	87.2	107.6
25°	21.0	40.1	37.0	45.8	61.5	78.6	88.1	87.0	99.4	126.5	150.8
22.5°	29.5	60.2	58.3	55.6	80.5	105.5	121.8	150.1	189.9	189.8	198.6
20°	44.2	79.3	85.2	92.6	108.6	136.6	159.9	234.8	317.8	346.0	315.2
17.5°	61.5	100.4	115.9	140.8	176.4	194.4	207.7	335.9	476.2	531.8	549.2
15°	80.7	123.2	148.7	194.8	251.5	283.6	340.2	486.6	652.4	746.6	816.6
12.5°	101.2	147.1	183.0	253.1	332.0	374.5	499.9	712.0	877.0	990.7	1168.8
10°	122.4	171.8	218.3	314.4	416.3	466.4	671.0	944.0	1116.4	1248.0	1491.6
7.5°	145.6	196.4	253.4	376.8	502.3	558.8	847.6	1177.8	1349.8	1496.3	1771.7
5°	168.3	220.0	284.9	430.0	571.3	636.7	1006.9	1407.3	1576.4	1735.5	2024.6
2.5°	189.2	242.6	315.0	478.9	626.0	691.2	1083.6	1524.0	1708.5	1905.9	2215.6
0°	207.7	264.0	343.5	523.6	676.0	743.4	1144.3	1624.8	1815.9	2040.1	2354.9
-2.5°	211.6	272.5	353.7	522.9	669.3	742.1	1150.2	1629.2	1852.9	2089.9	2398.0
-5°	212.6	279.3	361.5	517.7	658.2	737.8	1138.3	1612.8	1859.0	2077.8	2355.2
-7.5°	211.1	284.1	366.8	507.4	636.5	713.3	1071.2	1512.8	1761.8	1952.4	2213.3
-10°	207.2	283.5	360.9	484.4	602.0	676.1	979.3	1397.5	1660.6	1824.7	2052.0
-12.5°	200.6	278.2	351.3	459.6	567.1	638.1	872.3	1269.8	1558.1	1698.2	1882.0
-15°	193.2	271.9	340.1	434.1	533.0	599.9	750.9	1131.9	1460.3	1603.0	1739.7
-17.5°	185.5	264.8	327.3	408.5	500.7	561.9	619.8	985.5	1336.7	1506.0	1638.0
-20°	177.9	257.0	313.1	383.6	470.4	532.6	580.0	837.1	1163.0	1398.5	1531.1



REPORT NUMBER: P731340 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	170.8	248.7	299.7	364.3	443.6	509.2	557.3	692.0	979.8	1281.6	1424.9
-25°	168.2	236.8	288.7	347.4	418.0	485.6	535.1	568.8	806.6	1105.4	1323.7
-27.5°	168.3	226.8	278.2	329.3	392.4	460.5	509.9	544.6	675.0	932.2	1209.6
-30°	166.8	214.7	266.6	311.7	370.0	431.5	483.7	531.7	572.9	778.9	1023.7
-32.5°	160.5	202.1	252.6	297.8	347.4	403.6	462.3	513.6	558.4	625.4	847.2
-35°	152.0	191.6	237.4	283.0	324.6	378.7	436.4	492.6	540.1	581.7	682.9
-37.5°	144.2	179.7	221.7	266.7	307.5	353.9	408.6	464.9	515.9	565.3	611.1
-40°	135.4	166.5	206.7	249.0	289.8	330.4	379.8	432.9	486.7	543.7	598.8
-42.5°	125.2	155.5	190.8	230.6	269.3	309.1	349.6	399.5	453.7	514.0	571.4
-45°	111.8	143.4	174.1	210.0	246.6	285.2	324.3	364.6	416.9	472.5	532.6
-47.5°	97.3	129.4	159.2	187.9	222.4	258.4	296.5	336.0	377.3	428.0	481.9
-50°	82.1	112.0	142.3	168.2	197.1	230.3	265.2	304.5	343.9	383.6	429.6
-52.5°	67.2	93.3	121.7	148.7	173.6	201.4	233.7	269.3	306.9	345.1	380.6
-55°	51.5	75.3	99.8	126.1	151.3	174.9	201.0	232.9	266.6	302.0	334.5
-57.5°	38.9	56.8	78.6	101.5	125.9	149.8	172.7	195.8	224.9	256.1	283.9
-60°	28.0	40.9	57.6	77.9	98.7	121.3	144.2	165.8	187.0	207.6	232.5
-62.5°	18.3	28.5	40.2	54.4	72.9	92.0	112.3	133.0	153.7	171.5	187.9
-65°	16.1	18.4	26.4	37.0	47.5	64.7	81.9	98.5	116.6	132.9	148.8
-67.5°	13.8	15.9	18.0	21.7	31.2	41.9	53.0	68.2	82.6	94.3	106.0
-70°	12.2	13.5	15.2	17.1	19.1	23.4	32.7	42.5	52.1	61.1	71.1
-72.5°	10.7	11.9	13.0	14.2	15.9	17.9	20.0	22.2	27.6	34.8	41.7
-75°	9.5	10.3	11.3	12.3	13.4	14.6	16.0	17.8	19.5	21.0	22.4
-77.5°	8.4	9.0	9.7	10.5	11.3	12.3	13.3	14.4	15.5	16.7	17.9
-80°	7.3	7.7	8.1	8.6	9.3	10.1	10.8	11.5	12.2	13.0	13.8
-82.5°	6.3	6.6	6.8	7.1	7.5	8.0	8.6	9.2	9.4	9.6	9.9
-85°	5.4	5.5	5.7	5.8	6.0	6.3	6.6	6.9	6.9	7.0	7.0
-87.5°	4.9	4.9	5.0	5.0	5.1	5.1	5.1	5.2	5.3	5.4	5.4
-90°	4.1	3.9	3.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3



REPORT NUMBER: P731340 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	5.5	5.8	6.0	6.3	6.6	9.1	11.6	14.1	16.6	20.7	24.8
87.5°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	1.1	1.1
85°	3.3	3.0	2.8	2.5	2.2	2.2	2.1	2.1	2.1	1.9	1.6
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	2.2	2.2
77.5°	3.5	3.5	3.5	3.4	3.3	3.1	2.8	2.5	2.2	2.2	2.2
75°	4.3	4.4	4.5	4.3	4.0	3.7	3.5	3.3	3.1	2.9	2.7
72.5°	7.7	7.8	7.4	7.1	6.5	6.1	6.2	6.1	5.9	5.8	5.7
70°	14.2	14.4	13.8	12.5	10.5	9.2	8.6	7.9	6.9	6.6	6.5
67.5°	20.2	18.5	16.7	14.8	12.4	10.3	9.2	8.1	7.0	6.5	6.2
65°	22.1	18.1	15.1	12.7	10.9	9.3	8.1	6.9	5.7	4.9	4.7
62.5°	19.2	14.4	11.4	9.6	8.3	7.5	6.3	5.2	4.2	3.7	3.8
60°	15.6	10.6	7.8	6.8	6.1	5.5	4.8	4.2	3.6	3.3	3.4
57.5°	11.7	7.7	5.5	5.4	5.1	4.6	4.2	3.9	3.6	3.3	3.3
55°	8.0	6.4	5.5	5.2	4.9	4.6	4.3	4.0	3.6	3.3	3.3
52.5°	6.3	5.8	5.5	5.3	5.0	4.7	4.4	4.0	3.7	3.4	3.3
50°	5.7	5.6	5.6	5.4	5.1	4.8	4.4	4.2	4.2	4.0	4.1
47.5°	5.9	6.1	5.9	5.5	5.3	5.4	5.4	5.4	5.4	5.2	5.2
45°	6.7	6.8	6.7	6.6	6.4	7.0	7.4	7.4	8.6	8.2	6.9
42.5°	8.4	8.8	9.3	9.9	9.1	11.6	15.6	18.4	15.7	12.4	10.5
40°	12.8	13.1	15.9	17.3	20.5	24.2	22.0	18.4	16.5	17.6	18.2
37.5°	20.1	23.5	28.1	33.2	32.0	26.5	27.1	27.1	26.1	28.4	28.5
35°	32.8	41.1	45.0	46.2	43.9	42.2	43.8	45.3	41.9	47.2	48.9
32.5°	53.6	63.7	66.0	63.6	63.9	67.6	70.4	75.4	80.4	88.5	98.1
30°	79.1	90.0	95.2	90.4	91.4	100.2	105.9	117.4	135.7	156.6	182.7
27.5°	117.2	125.3	134.6	135.9	131.5	144.4	164.6	176.7	225.9	258.5	317.2
25°	167.5	180.1	188.2	202.0	209.5	225.0	263.7	300.9	376.6	450.3	575.2
22.5°	233.5	273.8	288.6	286.5	330.0	371.9	404.8	509.1	658.1	876.2	1121.7
20°	320.7	403.5	473.8	496.6	512.1	622.6	736.3	1059.8	1430.8	2049.8	2531.1
17.5°	578.0	605.2	759.8	885.5	945.4	1179.4	1710.1	2524.5	3924.5	5839.9	7017.6
15°	965.0	1042.7	1197.7	1463.7	1793.0	2413.5	3299.2	5895.9	9486.2	13409.7	17145.2
12.5°	1392.3	1554.5	1838.3	2230.2	2752.9	4523.3	7382.1	12267.4	18914.3	25712.0	34381.6
10°	1788.9	2115.0	2580.8	3242.2	4584.5	7609.0	12421.0	20725.3	32499.0	44775.7	57040.5
7.5°	2112.3	2579.0	3260.2	4250.9	6656.5	11512.5	19404.1	31639.4	46735.2	62529.7	79158.8
5°	2439.0	3029.7	3850.3	5048.9	8014.4	14528.1	25024.9	41775.4	61256.7	81158.2	102114.7
2.5°	2722.2	3413.3	4363.3	5763.7	8927.5	16160.3	28415.8	49041.7	71914.7	95730.1	122421.5
0°	2931.5	3635.1	4644.7	6101.6	9827.2	17431.0	30400.7	51189.6	74453.8	99040.7	126320.5
-2.5°	2902.3	3538.7	4453.8	5899.6	9514.6	17201.8	29160.9	49421.2	72190.1	95238.0	119568.0
-5°	2769.7	3323.1	4143.1	5437.3	8434.9	14924.7	26168.6	44840.6	66012.7	87074.7	108722.4
-7.5°	2567.7	3046.4	3765.1	4876.9	7190.0	12300.2	21644.5	36250.7	54453.0	72453.9	89153.2
-10°	2358.9	2748.8	3331.4	4209.8	5859.9	9430.6	16038.5	26957.8	42095.2	56919.5	69716.5
-12.5°	2162.6	2453.0	2867.3	3478.9	4496.0	7059.9	12049.3	20015.8	30127.2	41524.8	52605.7
-15°	1979.6	2194.3	2491.9	2985.2	3799.1	5319.9	8028.5	13337.5	20449.8	28405.5	36065.4
-17.5°	1811.8	1988.8	2221.0	2568.3	3072.7	4013.1	5910.5	8945.9	13240.0	18898.9	24188.6
-20°	1661.4	1821.8	1995.4	2255.7	2642.9	3196.5	4130.6	6014.9	8492.9	12059.7	15557.9



REPORT NUMBER: P731340 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1543.7	1669.6	1804.6	2003.6	2326.5	2719.0	3183.3	3955.3	5319.2	7148.8	9220.7
-25°	1436.1	1529.3	1669.4	1883.6	2104.8	2366.6	2648.1	2957.7	3562.9	4151.3	5236.1
-27.5°	1333.8	1432.2	1578.0	1771.3	1973.1	2095.4	2275.5	2466.7	2756.2	3011.6	3443.8
-30°	1248.4	1351.8	1475.6	1638.7	1808.6	1923.7	2017.5	2155.8	2316.4	2476.6	2662.5
-32.5°	1088.0	1285.2	1371.0	1495.4	1648.3	1769.5	1852.4	1955.2	2041.0	2140.6	2241.6
-35°	912.6	1130.0	1307.6	1388.0	1493.8	1628.5	1746.4	1829.0	1895.5	1956.9	2014.8
-37.5°	714.1	940.1	1134.0	1297.2	1394.0	1484.3	1609.4	1720.4	1800.4	1842.7	1880.3
-40°	638.6	703.9	908.6	1095.8	1241.5	1382.9	1480.3	1589.2	1681.6	1739.9	1783.6
-42.5°	625.6	659.2	685.7	827.5	1004.3	1155.7	1284.7	1411.7	1524.6	1608.3	1675.9
-45°	590.7	630.6	667.8	694.0	721.3	855.1	999.1	1139.4	1266.8	1380.8	1480.4
-47.5°	534.2	581.9	621.6	659.7	689.3	712.6	739.6	784.3	903.6	1020.7	1132.0
-50°	473.0	516.1	559.2	600.1	632.3	660.5	686.5	708.7	731.1	754.5	776.8
-52.5°	412.4	450.9	489.3	525.2	559.4	591.7	621.7	643.6	662.5	679.1	691.6
-55°	364.7	393.4	421.3	451.8	482.2	510.6	536.7	560.5	582.1	601.5	616.4
-57.5°	312.0	340.1	366.9	389.7	411.9	433.3	455.4	476.5	495.2	511.4	524.5
-60°	257.0	281.0	304.8	327.3	348.6	368.8	386.9	403.6	418.6	431.6	441.2
-62.5°	203.9	222.9	244.3	263.8	281.0	297.4	316.1	332.9	347.8	360.2	369.4
-65°	163.7	177.4	192.7	207.8	222.7	238.7	254.9	269.4	282.1	292.5	300.7
-67.5°	119.3	132.7	147.7	161.2	173.8	187.3	202.8	217.1	230.2	240.7	249.2
-70°	80.4	89.9	101.7	114.4	126.7	139.6	153.8	167.4	180.5	190.5	198.6
-72.5°	48.2	54.4	60.8	69.0	77.7	88.3	100.3	112.2	124.1	132.7	139.4
-75°	23.6	26.1	31.3	36.1	40.5	46.2	52.2	57.9	63.2	67.1	70.3
-77.5°	19.1	20.4	21.5	22.7	23.8	26.3	29.2	32.3	35.5	38.0	40.4
-80°	14.7	15.5	16.3	17.1	18.0	19.9	22.0	24.0	26.1	27.7	29.1
-82.5°	10.3	10.7	11.0	11.4	11.7	13.1	14.5	15.9	17.2	18.4	19.7
-85°	6.9	7.0	7.1	7.2	7.3	8.7	10.1	11.6	13.0	14.2	15.4
-87.5°	5.5	5.5	5.6	5.6	5.6	6.8	7.9	9.0	10.1	11.2	12.3
-90°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6



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 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	29.0	33.1	30.3	27.6	30.3	33.1	29.0	24.8	20.7	16.6	14.1
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
85°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.6	1.9	2.1	2.1
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5
75°	2.5	2.2	2.7	3.3	2.7	2.2	2.5	2.7	2.9	3.1	3.3
72.5°	5.6	5.4	5.5	5.5	5.5	5.4	5.6	5.7	5.8	5.9	6.1
70°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.6	6.9	7.9
67.5°	5.9	5.6	5.5	5.5	5.5	5.6	5.9	6.2	6.5	7.0	8.1
65°	4.5	4.4	4.4	4.4	4.4	4.4	4.5	4.7	4.9	5.7	6.9
62.5°	4.1	4.3	4.4	4.4	4.4	4.3	4.1	3.8	3.7	4.2	5.2
60°	3.4	3.4	3.3	3.3	3.3	3.4	3.4	3.4	3.3	3.6	4.2
57.5°	3.3	3.3	3.7	4.4	3.7	3.3	3.3	3.3	3.3	3.6	3.9
55°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.6	4.0
52.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.7	4.0
50°	4.2	4.3	4.4	4.4	4.4	4.3	4.2	4.1	4.0	4.2	4.2
47.5°	5.3	5.4	5.1	4.4	5.1	5.4	5.3	5.2	5.2	5.4	5.4
45°	6.9	6.7	6.6	6.6	6.6	6.7	6.9	6.9	8.2	8.6	7.4
42.5°	10.8	10.9	10.9	11.0	10.9	10.9	10.8	10.5	12.4	15.7	18.4
40°	19.1	19.6	19.7	19.9	19.7	19.6	19.1	18.2	17.6	16.5	18.4
37.5°	28.9	29.4	29.5	29.8	29.5	29.4	28.9	28.5	28.4	26.1	27.1
35°	48.7	48.6	46.9	47.5	46.9	48.6	48.7	48.9	47.2	41.9	45.3
32.5°	104.7	105.5	100.1	91.7	100.1	105.5	104.7	98.1	88.5	80.4	75.4
30°	202.4	219.7	231.3	232.0	231.3	219.7	202.4	182.7	156.6	135.7	117.4
27.5°	356.4	383.4	394.9	401.0	394.9	383.4	356.4	317.2	258.5	225.9	176.7
25°	673.4	735.2	768.6	743.4	768.6	735.2	673.4	575.2	450.3	376.6	300.9
22.5°	1355.1	1473.2	1573.9	1579.5	1573.9	1473.2	1355.1	1121.7	876.2	658.1	509.1
20°	3200.2	3173.4	3428.0	3300.4	3428.0	3173.4	3200.2	2531.1	2049.8	1430.8	1059.8
17.5°	9077.3	10081.3	10636.2	9877.0	10636.2	10081.3	9077.3	7017.6	5839.9	3924.5	2524.5
15°	20868.2	23373.1	25067.9	24851.4	25067.9	23373.1	20868.2	17145.2	13409.7	9486.2	5895.9
12.5°	39237.7	43353.8	46862.2	46715.0	46862.2	43353.8	39237.7	34381.6	25712.0	18914.3	12267.4
10°	67967.4	75143.6	81831.4	82528.1	81831.4	75143.6	67967.4	57040.5	44775.7	32499.0	20725.3
7.5°	94436.5	110596.3	120228.9	122700.3	120228.9	110596.3	94436.5	79158.8	62529.7	46735.2	31639.4
5°	127580.3	146294.0	156417.9	156688.1	156417.9	146294.0	127580.3	102114.7	81158.2	61256.7	41775.4
2.5°	152115.9	173195.7	185626.4	195244.3	185626.4	173195.7	152115.9	122421.5	95730.1	71914.7	49041.7
0°	159413.1	177591.8	197875.9	209153.4	197875.9	177591.8	159413.1	126320.5	99040.7	74453.8	51189.6
-2.5°	149635.3	168668.2	178737.4	187910.5	178737.4	168668.2	149635.3	119568.0	95238.0	72190.1	49421.2
-5°	131060.1	151219.1	160893.5	162958.6	160893.5	151219.1	131060.1	108722.4	87074.7	66012.7	44840.6
-7.5°	104284.8	118473.4	128267.7	132108.9	128267.7	118473.4	104284.8	89153.2	72453.9	54453.0	36250.7
-10°	81617.1	90779.1	95680.5	98939.6	95680.5	90779.1	81617.1	69716.5	56919.5	42095.2	26957.8
-12.5°	61536.9	68160.1	72004.0	73677.3	72004.0	68160.1	61536.9	52605.7	41524.8	30127.2	20015.8
-15°	43801.6	49042.4	51645.3	53302.6	51645.3	49042.4	43801.6	36065.4	28405.5	20449.8	13337.5
-17.5°	30009.9	34223.9	36625.8	38187.9	36625.8	34223.9	30009.9	24188.6	18898.9	13240.0	8945.9
-20°	19201.1	21710.3	23558.5	24097.0	23558.5	21710.3	19201.1	15557.9	12059.7	8492.9	6014.9



REPORT NUMBER: P731340 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	11218.6	12695.9	13626.7	13837.9	13626.7	12695.9	11218.6	9220.7	7148.8	5319.2	3955.3
-25°	6099.8	6743.5	7231.8	7397.2	7231.8	6743.5	6099.8	5236.1	4151.3	3562.9	2957.7
-27.5°	3745.9	3994.8	4175.1	4268.0	4175.1	3994.8	3745.9	3443.8	3011.6	2756.2	2466.7
-30°	2817.5	2931.0	2998.8	3044.2	2998.8	2931.0	2817.5	2662.5	2476.6	2316.4	2155.8
-32.5°	2313.2	2364.1	2394.7	2415.7	2394.7	2364.1	2313.2	2241.6	2140.6	2041.0	1955.2
-35°	2060.5	2093.5	2116.1	2127.4	2116.1	2093.5	2060.5	2014.8	1956.9	1895.5	1829.0
-37.5°	1908.3	1929.1	1944.1	1952.9	1944.1	1929.1	1908.3	1880.3	1842.7	1800.4	1720.4
-40°	1804.5	1819.1	1831.2	1844.6	1831.2	1819.1	1804.5	1783.6	1739.9	1681.6	1589.2
-42.5°	1709.8	1731.4	1742.4	1745.2	1742.4	1731.4	1709.8	1675.9	1608.3	1524.6	1411.7
-45°	1556.7	1616.8	1653.8	1665.7	1653.8	1616.8	1556.7	1480.4	1380.8	1266.8	1139.4
-47.5°	1234.3	1324.3	1392.2	1433.7	1392.2	1324.3	1234.3	1132.0	1020.7	903.6	784.3
-50°	797.5	816.5	824.1	819.6	824.1	816.5	797.5	776.8	754.5	731.1	708.7
-52.5°	701.5	709.1	715.5	720.2	715.5	709.1	701.5	691.6	679.1	662.5	643.6
-55°	628.1	636.7	644.8	651.7	644.8	636.7	628.1	616.4	601.5	582.1	560.5
-57.5°	535.5	544.3	547.5	546.8	547.5	544.3	535.5	524.5	511.4	495.2	476.5
-60°	449.2	455.4	460.0	462.8	460.0	455.4	449.2	441.2	431.6	418.6	403.6
-62.5°	376.7	382.0	388.1	393.2	388.1	382.0	376.7	369.4	360.2	347.8	332.9
-65°	307.6	313.3	317.9	321.4	317.9	313.3	307.6	300.7	292.5	282.1	269.4
-67.5°	256.9	263.7	268.8	272.8	268.8	263.7	256.9	249.2	240.7	230.2	217.1
-70°	206.1	212.9	216.9	219.8	216.9	212.9	206.1	198.6	190.5	180.5	167.4
-72.5°	145.2	150.1	152.4	153.5	152.4	150.1	145.2	139.4	132.7	124.1	112.2
-75°	73.0	75.4	77.6	79.5	77.6	75.4	73.0	70.3	67.1	63.2	57.9
-77.5°	42.7	45.0	46.3	47.5	46.3	45.0	42.7	40.4	38.0	35.5	32.3
-80°	30.5	31.8	33.0	34.2	33.0	31.8	30.5	29.1	27.7	26.1	24.0
-82.5°	20.9	22.0	22.6	23.2	22.6	22.0	20.9	19.7	18.4	17.2	15.9
-85°	16.5	17.7	18.2	18.8	18.2	17.7	16.5	15.4	14.2	13.0	11.6
-87.5°	13.4	14.5	15.0	15.5	15.0	14.5	13.4	12.3	11.2	10.1	9.0
-90°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.8	1.1	1.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	11.6	9.1	6.6	6.3	6.0	5.8	5.5	5.2	5.0	4.7	4.4
87.5°	1.7	1.9	2.2	2.5	2.8	3.0	3.3	3.3	3.3	3.3	3.3
85°	2.1	2.2	2.2	2.5	2.8	3.0	3.3	3.3	3.3	3.3	3.3
82.5°	2.2	2.2	2.2	2.5	2.8	3.0	3.3	3.4	3.5	3.5	3.5
80°	2.6	2.8	2.9	2.9	3.0	3.2	3.3	3.6	3.9	4.1	4.2
77.5°	2.8	3.1	3.3	3.4	3.5	3.5	3.5	3.6	3.9	4.2	4.4
75°	3.5	3.7	4.0	4.3	4.5	4.4	4.3	4.2	4.2	4.3	4.4
72.5°	6.2	6.1	6.5	7.1	7.4	7.8	7.7	7.1	6.3	5.2	4.4
70°	8.6	9.2	10.5	12.5	13.8	14.4	14.2	13.1	11.2	9.8	7.9
67.5°	9.2	10.3	12.4	14.8	16.7	18.5	20.2	21.6	20.9	18.9	13.6
65°	8.1	9.3	10.9	12.7	15.1	18.1	22.1	24.5	25.9	26.2	21.7
62.5°	6.3	7.5	8.3	9.6	11.4	14.4	19.2	23.6	27.4	28.6	24.4
60°	4.8	5.5	6.1	6.8	7.8	10.6	15.6	20.9	26.4	26.5	24.5
57.5°	4.2	4.6	5.1	5.4	5.5	7.7	11.7	16.9	22.7	22.6	21.9
55°	4.3	4.6	4.9	5.2	5.5	6.4	8.0	11.5	16.2	17.4	17.3
52.5°	4.4	4.7	5.0	5.3	5.5	5.8	6.3	8.3	10.0	11.9	12.7
50°	4.4	4.8	5.1	5.4	5.6	5.6	5.7	6.3	7.3	8.5	9.3
47.5°	5.4	5.4	5.3	5.5	5.9	6.1	5.9	5.8	6.5	6.7	7.5
45°	7.4	7.0	6.4	6.6	6.7	6.8	6.7	7.1	6.8	6.9	6.6
42.5°	15.6	11.6	9.1	9.9	9.3	8.8	8.4	9.1	8.7	7.9	8.5
40°	22.0	24.2	20.5	17.3	15.9	13.1	12.8	12.1	11.6	10.2	11.8
37.5°	27.1	26.5	32.0	33.2	28.1	23.5	20.1	17.5	15.6	15.9	16.8
35°	43.8	42.2	43.9	46.2	45.0	41.1	32.8	26.0	22.7	23.1	23.1
32.5°	70.4	67.6	63.9	63.6	66.0	63.7	53.6	40.2	34.7	32.6	30.7
30°	105.9	100.2	91.4	90.4	95.2	90.0	79.1	69.7	57.6	43.8	39.5
27.5°	164.6	144.4	131.5	135.9	134.6	125.3	117.2	107.6	87.2	65.7	53.1
25°	263.7	225.0	209.5	202.0	188.2	180.1	167.5	150.8	126.5	99.4	87.0
22.5°	404.8	371.9	330.0	286.5	288.6	273.8	233.5	198.6	189.8	189.9	150.1
20°	736.3	622.6	512.1	496.6	473.8	403.5	320.7	315.2	346.0	317.8	234.8
17.5°	1710.1	1179.4	945.4	885.5	759.8	605.2	578.0	549.2	531.8	476.2	335.9
15°	3299.2	2413.5	1793.0	1463.7	1197.7	1042.7	965.0	816.6	746.6	652.4	486.6
12.5°	7382.1	4523.3	2752.9	2230.2	1838.3	1554.5	1392.3	1168.8	990.7	877.0	712.0
10°	12421.0	7609.0	4584.5	3242.2	2580.8	2115.0	1788.9	1491.6	1248.0	1116.4	944.0
7.5°	19404.1	11512.5	6656.5	4250.9	3260.2	2579.0	2112.3	1771.7	1496.3	1349.8	1177.8
5°	25024.9	14528.1	8014.4	5048.9	3850.3	3029.7	2439.0	2024.6	1735.5	1576.4	1407.3
2.5°	28415.8	16160.3	8927.5	5763.7	4363.3	3413.3	2722.2	2215.6	1905.9	1708.5	1524.0
0°	30400.7	17431.0	9827.2	6101.6	4644.7	3635.1	2931.5	2354.9	2040.1	1815.9	1624.8
-2.5°	29160.9	17201.8	9514.6	5899.6	4453.8	3538.7	2902.3	2398.0	2089.9	1852.9	1629.2
-5°	26168.6	14924.7	8434.9	5437.3	4143.1	3323.1	2769.7	2355.2	2077.8	1859.0	1612.8
-7.5°	21644.5	12300.2	7190.0	4876.9	3765.1	3046.4	2567.7	2213.3	1952.4	1761.8	1512.8
-10°	16038.5	9430.6	5859.9	4209.8	3331.4	2748.8	2358.9	2052.0	1824.7	1660.6	1397.5
-12.5°	12049.3	7059.9	4496.0	3478.9	2867.3	2453.0	2162.6	1882.0	1698.2	1558.1	1269.8
-15°	8028.5	5319.9	3799.1	2985.2	2491.9	2194.3	1979.6	1739.7	1603.0	1460.3	1131.9
-17.5°	5910.5	4013.1	3072.7	2568.3	2221.0	1988.8	1811.8	1638.0	1506.0	1336.7	985.5
-20°	4130.6	3196.5	2642.9	2255.7	1995.4	1821.8	1661.4	1531.1	1398.5	1163.0	837.1



REPORT NUMBER: P731340 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	3183.3	2719.0	2326.5	2003.6	1804.6	1669.6	1543.7	1424.9	1281.6	979.8	692.0
-25°	2648.1	2366.6	2104.8	1883.6	1669.4	1529.3	1436.1	1323.7	1105.4	806.6	568.8
-27.5°	2275.5	2095.4	1973.1	1771.3	1578.0	1432.2	1333.8	1209.6	932.2	675.0	544.6
-30°	2017.5	1923.7	1808.6	1638.7	1475.6	1351.8	1248.4	1023.7	778.9	572.9	531.7
-32.5°	1852.4	1769.5	1648.3	1495.4	1371.0	1285.2	1088.0	847.2	625.4	558.4	513.6
-35°	1746.4	1628.5	1493.8	1388.0	1307.6	1130.0	912.6	682.9	581.7	540.1	492.6
-37.5°	1609.4	1484.3	1394.0	1297.2	1134.0	940.1	714.1	611.1	565.3	515.9	464.9
-40°	1480.3	1382.9	1241.5	1095.8	908.6	703.9	638.6	598.8	543.7	486.7	432.9
-42.5°	1284.7	1155.7	1004.3	827.5	685.7	659.2	625.6	571.4	514.0	453.7	399.5
-45°	999.1	855.1	721.3	694.0	667.8	630.6	590.7	532.6	472.5	416.9	364.6
-47.5°	739.6	712.6	689.3	659.7	621.6	581.9	534.2	481.9	428.0	377.3	336.0
-50°	686.5	660.5	632.3	600.1	559.2	516.1	473.0	429.6	383.6	343.9	304.5
-52.5°	621.7	591.7	559.4	525.2	489.3	450.9	412.4	380.6	345.1	306.9	269.3
-55°	536.7	510.6	482.2	451.8	421.3	393.4	364.7	334.5	302.0	266.6	232.9
-57.5°	455.4	433.3	411.9	389.7	366.9	340.1	312.0	283.9	256.1	224.9	195.8
-60°	386.9	368.8	348.6	327.3	304.8	281.0	257.0	232.5	207.6	187.0	165.8
-62.5°	316.1	297.4	281.0	263.8	244.3	222.9	203.9	187.9	171.5	153.7	133.0
-65°	254.9	238.7	222.7	207.8	192.7	177.4	163.7	148.8	132.9	116.6	98.5
-67.5°	202.8	187.3	173.8	161.2	147.7	132.7	119.3	106.0	94.3	82.6	68.2
-70°	153.8	139.6	126.7	114.4	101.7	89.9	80.4	71.1	61.1	52.1	42.5
-72.5°	100.3	88.3	77.7	69.0	60.8	54.4	48.2	41.7	34.8	27.6	22.2
-75°	52.2	46.2	40.5	36.1	31.3	26.1	23.6	22.4	21.0	19.5	17.8
-77.5°	29.2	26.3	23.8	22.7	21.5	20.4	19.1	17.9	16.7	15.5	14.4
-80°	22.0	19.9	18.0	17.1	16.3	15.5	14.7	13.8	13.0	12.2	11.5
-82.5°	14.5	13.1	11.7	11.4	11.0	10.7	10.3	9.9	9.6	9.4	9.2
-85°	10.1	8.7	7.3	7.2	7.1	7.0	6.9	7.0	7.0	6.9	6.9
-87.5°	7.9	6.8	5.6	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.2
-90°	1.7	1.9	2.2	2.5	2.8	3.0	3.3	3.3	3.3	3.3	3.3



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
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°	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°	4.2	4.2	4.3	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	4.5	4.4	4.4	4.4	4.4	4.4	4.4
72.5°	4.4	4.4	4.4	4.5	4.7	4.7	4.6	4.4	4.4	4.4	4.4
70°	6.0	4.7	4.4	4.5	4.7	5.1	5.0	4.8	4.4	4.4	4.4
67.5°	8.9	6.8	5.3	4.5	4.5	4.8	5.4	5.2	4.8	4.4	4.4
65°	15.6	10.4	6.5	5.4	4.7	4.5	4.9	5.4	5.2	4.8	4.4
62.5°	20.1	15.4	10.5	6.9	5.1	4.6	4.5	5.1	5.5	5.1	4.6
60°	22.1	17.7	14.1	10.4	6.7	4.7	4.5	4.8	5.3	5.4	4.9
57.5°	20.2	18.8	16.1	13.1	9.6	5.9	4.5	4.8	5.2	5.4	5.2
55°	17.1	16.6	17.0	14.7	11.7	8.2	5.3	4.9	5.1	5.4	5.5
52.5°	12.7	14.5	16.2	15.6	13.0	10.1	7.0	4.9	5.1	5.4	5.5
50°	9.3	12.1	15.1	15.8	14.1	11.2	8.4	5.9	5.2	5.4	5.6
47.5°	8.6	10.9	13.4	16.0	15.0	12.3	9.5	6.9	5.3	5.5	5.6
45°	8.9	10.8	12.7	14.9	16.0	13.1	10.4	7.6	5.8	5.6	5.7
42.5°	9.8	11.6	13.0	14.3	15.3	13.7	11.3	8.3	6.2	5.7	5.9
40°	12.8	13.0	13.8	15.0	14.8	14.0	11.6	9.0	6.4	6.0	6.0
37.5°	16.6	16.0	15.6	17.2	15.4	14.0	11.8	9.6	7.1	6.5	6.2
35°	22.2	20.3	19.4	20.7	18.6	14.4	11.7	10.0	8.3	6.9	6.4
32.5°	28.6	27.3	26.2	24.8	22.9	15.2	12.0	11.0	9.5	7.4	6.6
30°	38.4	40.0	34.5	29.4	27.9	19.2	13.6	12.2	10.7	8.0	6.9
27.5°	60.1	56.5	45.2	36.7	32.3	24.8	17.0	13.6	12.0	8.7	7.3
25°	88.1	78.6	61.5	45.8	37.0	40.1	21.0	15.4	13.2	9.7	7.8
22.5°	121.8	105.5	80.5	55.6	58.3	60.2	29.5	18.5	14.5	10.7	8.2
20°	159.9	136.6	108.6	92.6	85.2	79.3	44.2	22.0	15.9	11.8	8.6
17.5°	207.7	194.4	176.4	140.8	115.9	100.4	61.5	25.8	17.4	12.8	9.0
15°	340.2	283.6	251.5	194.8	148.7	123.2	80.7	29.7	18.9	13.7	9.5
12.5°	499.9	374.5	332.0	253.1	183.0	147.1	101.2	33.7	20.5	14.8	10.1
10°	671.0	466.4	416.3	314.4	218.3	171.8	122.4	38.7	23.1	16.0	10.8
7.5°	847.6	558.8	502.3	376.8	253.4	196.4	145.6	45.5	25.9	17.1	11.5
5°	1006.9	636.7	571.3	430.0	284.9	220.0	168.3	52.4	28.8	18.1	12.1
2.5°	1083.6	691.2	626.0	478.9	315.0	242.6	189.2	59.0	31.6	19.0	12.7
0°	1144.3	743.4	676.0	523.6	343.5	264.0	207.7	65.2	34.2	19.9	13.3
-2.5°	1150.2	742.1	669.3	522.9	353.7	272.5	211.6	74.6	42.1	25.2	15.9
-5°	1138.3	737.8	658.2	517.7	361.5	279.3	212.6	83.4	49.6	30.4	18.3
-7.5°	1071.2	713.3	636.5	507.4	366.8	284.1	211.1	91.4	56.5	35.1	20.5
-10°	979.3	676.1	602.0	484.4	360.9	283.5	207.2	98.5	62.9	39.4	22.4
-12.5°	872.3	638.1	567.1	459.6	351.3	278.2	200.6	105.0	68.6	43.1	24.1
-15°	750.9	599.9	533.0	434.1	340.1	271.9	193.2	110.6	73.8	46.5	25.3
-17.5°	619.8	561.9	500.7	408.5	327.3	264.8	185.5	115.2	78.3	49.6	26.7
-20°	580.0	532.6	470.4	383.6	313.1	257.0	177.9	118.5	82.0	52.0	28.1



REPORT NUMBER: P731340 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	557.3	509.2	443.6	364.3	299.7	248.7	170.8	120.6	84.8	53.5	28.8
-25°	535.1	485.6	418.0	347.4	288.7	236.8	168.2	121.4	86.8	54.1	28.9
-27.5°	509.9	460.5	392.4	329.3	278.2	226.8	168.3	123.1	87.6	53.7	28.3
-30°	483.7	431.5	370.0	311.7	266.6	214.7	166.8	123.7	87.0	52.8	26.9
-32.5°	462.3	403.6	347.4	297.8	252.6	202.1	160.5	123.1	85.0	51.1	25.8
-35°	436.4	378.7	324.6	283.0	237.4	191.6	152.0	121.4	81.7	48.4	24.5
-37.5°	408.6	353.9	307.5	266.7	221.7	179.7	144.2	113.2	76.9	44.5	22.6
-40°	379.8	330.4	289.8	249.0	206.7	166.5	135.4	103.2	71.4	39.6	20.0
-42.5°	349.6	309.1	269.3	230.6	190.8	155.5	125.2	92.2	62.7	35.2	16.7
-45°	324.3	285.2	246.6	210.0	174.1	143.4	111.8	80.3	53.0	30.7	14.3
-47.5°	296.5	258.4	222.4	187.9	159.2	129.4	97.3	68.6	42.7	25.3	13.6
-50°	265.2	230.3	197.1	168.2	142.3	112.0	82.1	56.1	35.3	18.8	12.7
-52.5°	233.7	201.4	173.6	148.7	121.7	93.3	67.2	43.4	27.4	15.8	11.7
-55°	201.0	174.9	151.3	126.1	99.8	75.3	51.5	34.2	19.3	14.3	10.7
-57.5°	172.7	149.8	125.9	101.5	78.6	56.8	38.9	24.7	16.1	12.8	10.0
-60°	144.2	121.3	98.7	77.9	57.6	40.9	28.0	17.5	14.4	11.4	9.3
-62.5°	112.3	92.0	72.9	54.4	40.2	28.5	18.3	15.5	12.6	10.4	8.5
-65°	81.9	64.7	47.5	37.0	26.4	18.4	16.1	13.5	11.4	9.5	7.7
-67.5°	53.0	41.9	31.2	21.7	18.0	15.9	13.8	12.0	10.2	8.5	7.2
-70°	32.7	23.4	19.1	17.1	15.2	13.5	12.2	10.7	9.1	7.9	6.6
-72.5°	20.0	17.9	15.9	14.2	13.0	11.9	10.7	9.5	8.4	7.2	6.0
-75°	16.0	14.6	13.4	12.3	11.3	10.3	9.5	8.7	7.6	6.5	5.8
-77.5°	13.3	12.3	11.3	10.5	9.7	9.0	8.4	7.8	6.9	6.2	5.7
-80°	10.8	10.1	9.3	8.6	8.1	7.7	7.3	7.0	6.3	5.9	5.6
-82.5°	8.6	8.0	7.5	7.1	6.8	6.6	6.3	6.1	5.7	5.5	5.4
-85°	6.6	6.3	6.0	5.8	5.7	5.5	5.4	5.3	5.2	5.2	5.1
-87.5°	5.1	5.1	5.1	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: P731340 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV5

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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
65°	4.5	4.4	4.4	4.4	4.4	4.4	4.4
62.5°	4.5	4.5	4.4	4.4	4.4	4.4	4.4
60°	4.6	4.6	4.4	4.4	4.4	4.4	4.4
57.5°	4.8	4.7	4.5	4.4	4.4	4.4	4.4
55°	5.0	4.8	4.6	4.4	4.4	4.4	4.4
52.5°	5.2	5.0	4.7	4.4	4.4	4.4	4.4
50°	5.4	5.1	4.9	4.4	4.5	4.4	4.4
47.5°	5.5	5.2	5.0	4.4	4.5	4.4	4.4
45°	5.6	5.3	5.1	4.5	4.5	4.4	4.4
42.5°	5.7	5.4	5.3	4.6	4.6	4.4	4.4
40°	5.8	5.4	5.3	4.8	4.6	4.4	4.4
37.5°	6.0	5.5	5.4	4.9	4.7	4.4	4.4
35°	6.1	5.6	5.4	5.0	4.7	4.4	4.4
32.5°	6.3	5.7	5.5	5.1	4.7	4.4	4.4
30°	6.5	5.8	5.5	5.2	4.8	4.4	4.4
27.5°	6.6	5.9	5.5	5.2	4.9	4.4	4.4
25°	6.8	6.1	5.5	5.3	4.9	4.4	4.4
22.5°	7.0	6.2	5.5	5.4	5.0	4.4	4.4
20°	7.3	6.3	5.5	5.4	5.0	4.4	4.4
17.5°	7.4	6.3	5.5	5.4	5.1	4.4	4.4
15°	7.5	6.4	5.5	5.5	5.2	4.4	4.4
12.5°	7.5	6.5	5.5	5.5	5.2	4.4	4.4
10°	7.6	6.5	5.5	5.5	5.3	4.4	4.4
7.5°	7.6	6.6	5.5	5.5	5.3	4.4	4.4
5°	7.7	6.6	5.5	5.5	5.4	4.4	4.4
2.5°	7.7	6.6	5.5	5.5	5.4	4.4	4.4
0°	7.7	6.6	5.5	5.5	5.5	4.4	4.4
-2.5°	8.7	6.8	5.6	5.5	5.5	4.4	4.4
-5°	9.7	7.1	5.7	5.5	5.5	4.4	4.4
-7.5°	10.6	7.3	5.8	5.5	5.5	4.4	4.4
-10°	11.5	7.4	5.9	5.5	5.5	4.4	4.4
-12.5°	12.2	7.6	5.9	5.5	5.4	4.4	4.4
-15°	12.7	7.7	6.0	5.5	5.4	4.4	4.4
-17.5°	13.1	7.8	6.0	5.5	5.4	4.4	4.4
-20°	13.5	7.9	6.1	5.5	5.4	4.4	4.4



REPORT NUMBER: P731340 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-40-80-3S-CV5

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	13.9	7.9	6.1	5.5	5.3	4.4	4.4
-25°	14.0	8.0	6.1	5.5	5.3	4.4	4.4
-27.5°	13.7	8.0	6.1	5.5	5.3	4.4	4.4
-30°	13.0	8.0	6.0	5.5	5.2	4.4	4.4
-32.5°	11.8	8.0	6.0	5.5	5.2	4.4	4.4
-35°	11.4	7.8	6.0	5.5	5.1	4.4	4.4
-37.5°	11.2	7.7	6.0	5.5	5.0	4.4	4.4
-40°	10.9	7.6	5.9	5.5	5.0	4.4	4.4
-42.5°	10.5	7.5	5.9	5.5	4.9	4.4	4.4
-45°	10.0	7.4	5.9	5.5	4.9	4.4	4.4
-47.5°	9.4	7.2	5.9	5.5	4.8	4.4	4.4
-50°	9.1	6.9	5.8	5.4	4.7	4.4	4.4
-52.5°	8.7	6.7	5.8	5.3	4.6	4.4	4.4
-55°	8.3	6.5	5.7	5.2	4.6	4.4	4.4
-57.5°	7.8	6.3	5.6	5.1	4.5	4.4	4.4
-60°	7.2	6.1	5.5	5.0	4.4	4.4	4.4
-62.5°	6.9	5.9	5.4	4.9	4.4	4.4	4.4
-65°	6.5	5.6	5.3	4.8	4.4	4.4	4.4
-67.5°	6.0	5.5	5.2	4.7	4.4	4.4	4.4
-70°	5.6	5.4	5.1	4.6	4.4	4.4	4.4
-72.5°	5.5	5.3	5.0	4.6	4.4	4.4	4.4
-75°	5.5	5.3	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

