

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: P731442 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320N-57-80-5S-CV1**

Issue Date: 11/16/2023

Test Information

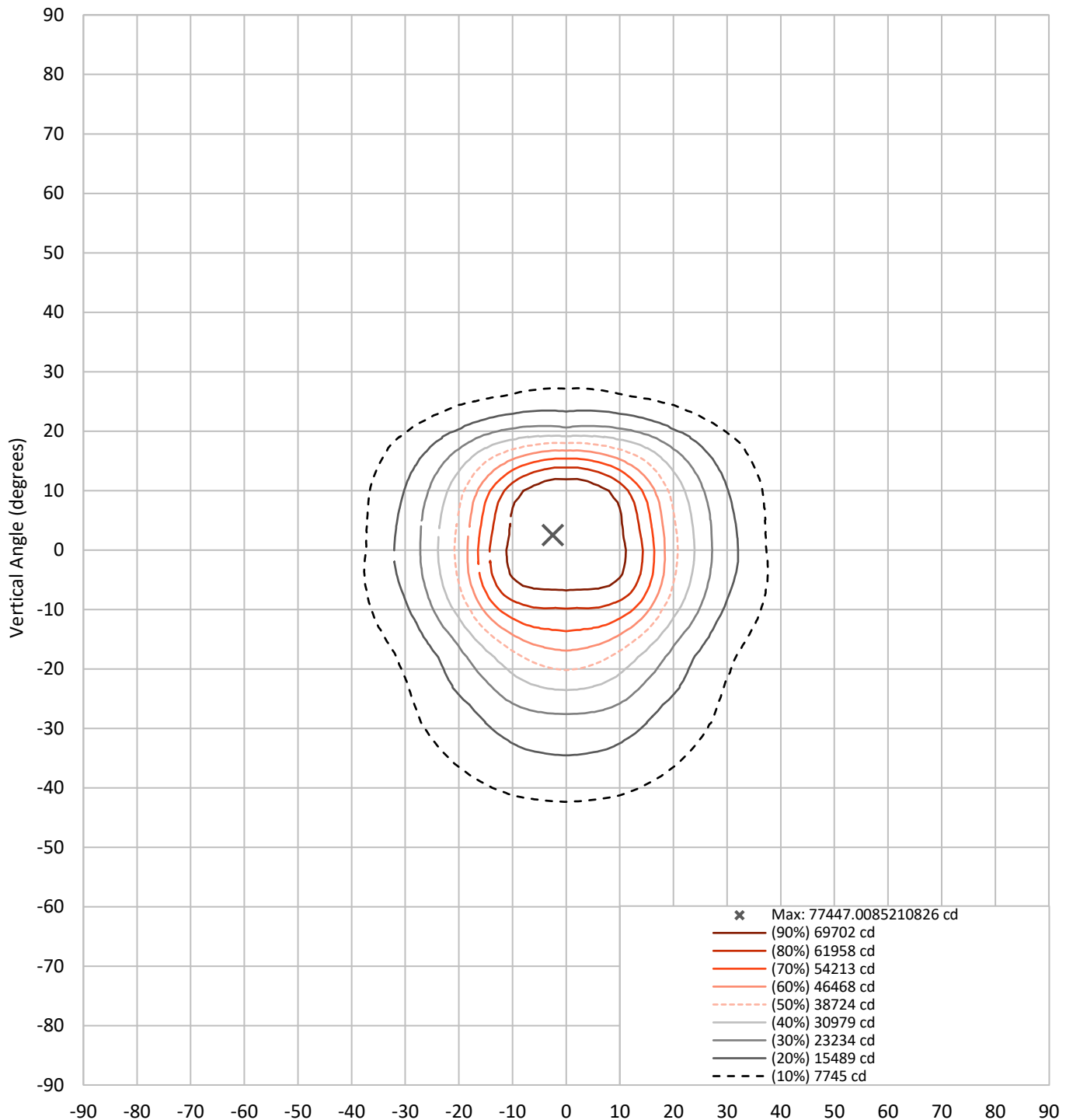
Test Method: LM-79-08
Report Number: P731442 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-34)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320N-57-80-5S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	41347.7 lumens	Max Intensity:	77447 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	119.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.4°H x 38°V	Field Angle (10%):	74.2°H x 69.6°V
Beam Lumens:	22782.8 lumens	Field Lumens:	38452.6 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%
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		

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Iso-Candela Plot





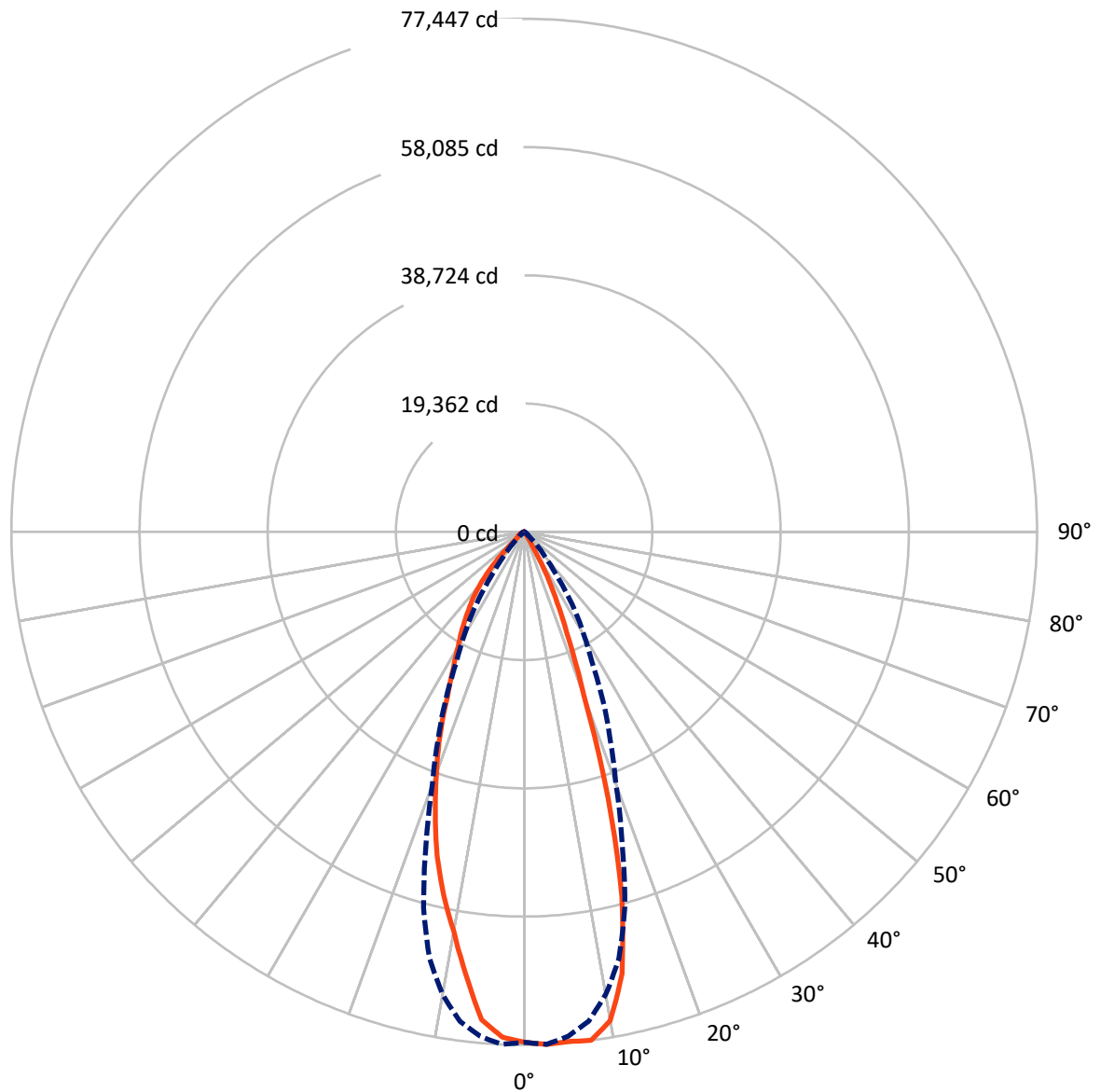
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Lumen Table

90																			
80	0.1	0.2		0.3		0.3		0.2		0.3		0.3		0.2		0.1			
70																			
60	0.1	0.0	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.0	0.1			
50		0.0	0.1	0.4	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.4	0.1	0.0				
40	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1			
30		0.1	0.4	1.2	2.7	5.8	13.8	19.7	19.7	13.8	5.8	2.7	1.2	0.4	0.1				
20	0.1	0.2	2.2	8.3	45.1	138.4	278.5	374.7	374.7	278.5	138.4	45.1	8.3	2.2	0.2	0.1			
10		0.6	5.4	29.8	185.8	528.9	1096.5	1579.1	1579.1	1096.5	528.9	185.8	29.8	5.4	0.6				
0	0.1	1.0	7.3	47.0	267.0	760.9	1644.0	2273.4	2273.4	1644.0	760.9	267.0	47.0	7.3	1.0	0.1			
-10		1.3	7.8	49.2	269.0	741.8	1620.1	2147.4	2147.4	1620.1	741.8	269.0	49.2	7.8	1.3				
-20	0.2	1.5	7.5	33.0	176.8	489.3	1040.8	1480.4	1480.4	1040.8	489.3	176.8	33.0	7.5	1.5	0.2			
-30		1.5	7.1	18.4	104.2	299.7	582.5	823.7	823.7	582.5	299.7	104.2	18.4	7.1	1.5				
-40	0.2	1.2	5.7	13.7	41.9	165.2	322.3	441.1	441.1	322.3	165.2	41.9	13.7	5.7	1.2	0.2			
-50		0.7	3.7	10.7	20.6	38.4	91.1	141.5	141.5	91.1	38.4	20.6	10.7	3.7	0.7				
-60	0.1	0.4	1.9	5.8	12.6	20.6	28.1	32.5	32.5	28.1	20.6	12.6	5.8	1.9	0.4	0.1			
-70		0.2	0.7	2.0	4.3	7.4	10.9	12.8	12.8	10.9	7.4	4.3	2.0	0.7	0.2				
-80	0.1	0.4		1.5		3.5		4.6		3.5		1.5		0.4		0.1			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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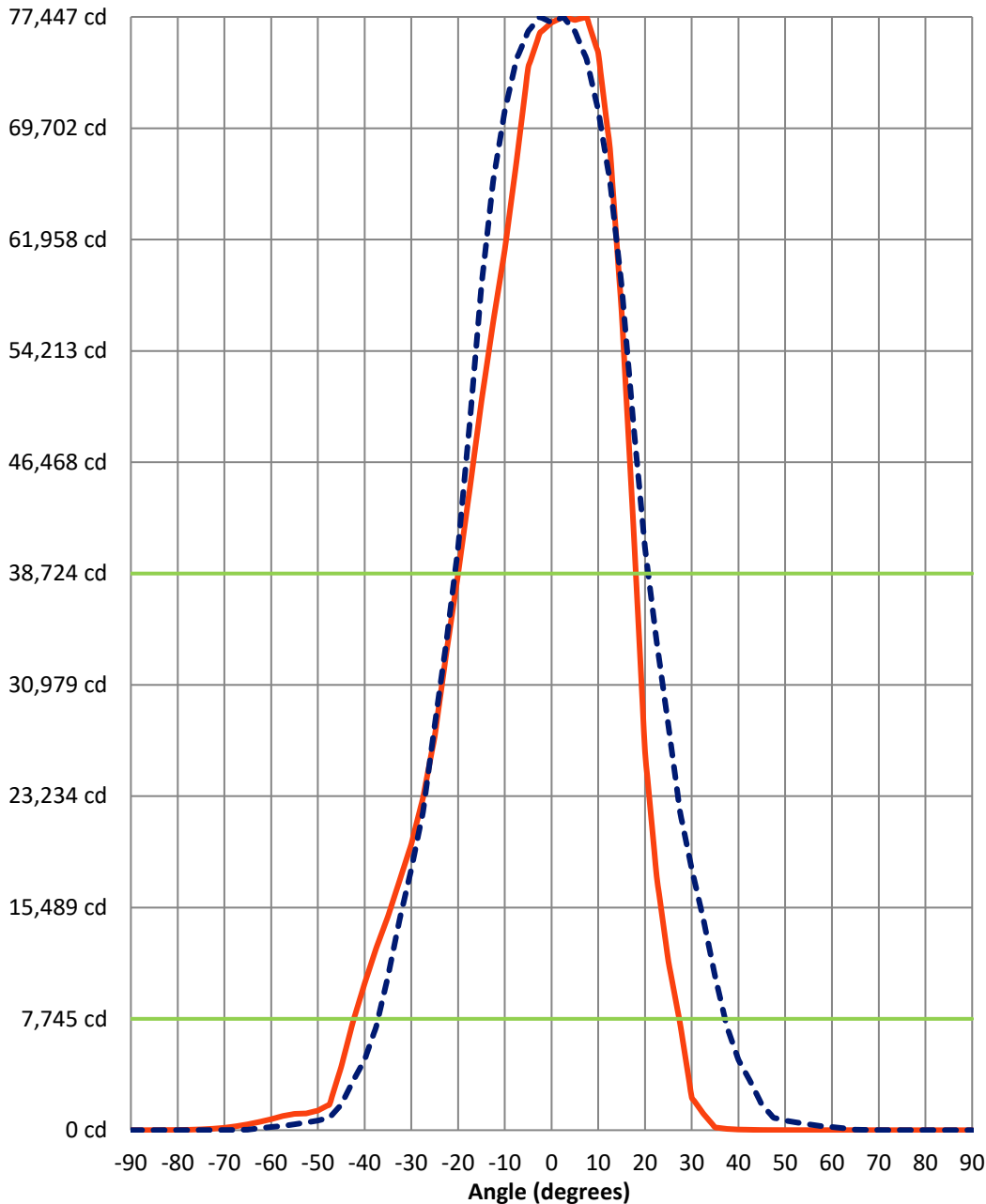
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 41.4°
 V Angle: 38°
 Lumens: 22782.8
 Efficiency: 55.1%

Field:
 H Angle: 74.2°
 V Angle: 69.6°
 Lumens: 38452.6
 Efficiency: 93.0%

Spill:
 Lumens: 2895.1
 Efficiency: 7.0%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through 2.5-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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5	2.2
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5	2.2
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.6	2.5
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1	3.0	2.9	3.0
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.2	3.3
75°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
72.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
70°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
65°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
62.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
60°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4
55°	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.3	3.3	3.6
52.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.5	3.4	3.3	3.6	3.8
50°	3.3	3.3	3.3	3.3	3.3	3.4	3.6	3.5	3.4	3.9	4.4
47.5°	3.3	3.3	3.3	3.3	3.3	3.5	3.7	3.5	3.7	4.2	4.9
45°	3.3	3.3	3.3	3.3	3.3	3.6	3.8	3.6	4.0	4.6	5.4
42.5°	3.3	3.3	3.3	3.3	3.3	3.8	3.8	3.8	4.4	5.0	5.8
40°	3.3	3.3	3.3	3.3	3.4	3.9	3.9	4.0	4.7	5.3	6.1
37.5°	3.3	3.3	3.3	3.3	3.5	4.1	3.9	4.3	5.0	5.7	6.4
35°	3.3	3.3	3.3	3.4	3.6	4.2	4.0	4.6	5.3	6.1	6.8
32.5°	3.3	3.3	3.3	3.4	3.7	4.2	4.1	4.9	5.6	6.5	7.8
30°	3.3	3.3	3.3	3.5	3.8	4.3	4.3	5.1	5.9	7.0	8.9
27.5°	3.3	3.3	3.3	3.5	3.9	4.3	4.5	5.3	6.2	7.5	10.1
25°	3.3	3.3	3.3	3.6	4.0	4.4	4.7	5.6	6.6	8.3	11.5
22.5°	3.3	3.3	3.3	3.7	4.1	4.4	4.9	5.8	7.0	9.4	14.1
20°	3.3	3.3	3.3	3.7	4.2	4.4	5.1	6.0	7.4	10.5	16.9
17.5°	3.3	3.3	3.3	3.8	4.3	4.4	5.2	6.2	7.8	11.6	19.9
15°	3.3	3.3	3.3	3.9	4.3	4.4	5.3	6.3	8.2	12.8	22.9
12.5°	3.3	3.3	3.3	4.0	4.4	4.4	5.3	6.4	8.5	13.9	26.0
10°	3.3	3.3	3.3	4.1	4.4	4.4	5.4	6.5	8.9	15.2	29.0
7.5°	3.3	3.3	3.3	4.2	4.4	4.4	5.4	6.5	9.2	16.5	31.8
5°	3.3	3.3	3.3	4.2	4.4	4.4	5.5	6.6	9.5	17.8	34.4
2.5°	3.3	3.3	3.3	4.3	4.4	4.4	5.5	6.6	9.8	18.9	36.7
0°	3.3	3.3	3.3	4.4	4.4	4.4	5.5	6.6	10.0	19.9	38.7
-2.5°	3.3	3.3	3.3	4.4	4.4	4.5	5.8	7.8	13.4	26.0	48.3
-5°	3.3	3.3	3.4	4.4	4.4	4.6	6.1	9.0	16.6	31.7	57.3
-7.5°	3.3	3.3	3.4	4.4	4.4	4.7	6.3	10.0	19.6	37.0	65.5
-10°	3.3	3.3	3.5	4.4	4.4	4.8	6.5	11.0	22.2	41.8	72.8
-12.5°	3.3	3.3	3.5	4.3	4.4	4.9	6.7	11.8	24.3	45.9	79.8
-15°	3.3	3.3	3.6	4.3	4.4	5.0	6.8	12.3	26.3	49.8	85.7
-17.5°	3.3	3.3	3.6	4.3	4.4	5.0	6.9	13.2	28.3	52.9	90.0
-20°	3.3	3.3	3.6	4.3	4.4	5.1	7.2	14.3	29.6	54.9	92.6



REPORT NUMBER: P731442 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.3	3.3	3.7	4.3	4.4	5.1	7.8	15.1	30.3	55.7	93.2
-25°	3.3	3.3	3.7	4.3	4.4	5.2	8.2	15.5	30.2	55.4	91.8
-27.5°	3.3	3.3	3.7	4.3	4.4	5.3	8.4	15.5	29.4	54.4	91.2
-30°	3.3	3.3	3.7	4.3	4.4	5.3	8.4	15.2	28.9	53.4	89.0
-32.5°	3.3	3.3	3.7	4.3	4.5	5.2	8.2	15.1	28.4	51.3	85.1
-35°	3.3	3.3	3.7	4.3	4.5	5.1	8.1	14.8	27.4	48.1	79.5
-37.5°	3.3	3.3	3.7	4.3	4.5	5.0	7.9	14.3	25.7	43.8	72.2
-40°	3.3	3.3	3.7	4.4	4.6	5.0	7.6	13.4	23.5	40.6	65.0
-42.5°	3.3	3.3	3.7	4.4	4.6	5.0	7.2	12.1	21.7	36.9	57.0
-45°	3.3	3.3	3.6	4.4	4.6	5.1	6.6	10.9	19.8	32.5	48.8
-47.5°	3.3	3.3	3.6	4.4	4.6	5.0	5.9	10.1	17.5	27.8	43.4
-50°	3.3	3.3	3.5	4.3	4.6	5.0	5.7	9.0	14.7	24.5	37.5
-52.5°	3.3	3.3	3.5	4.2	4.5	5.0	5.7	7.7	12.7	20.8	31.4
-55°	3.3	3.3	3.4	4.1	4.5	4.9	5.5	6.5	10.9	16.8	26.6
-57.5°	3.3	3.3	3.4	4.0	4.5	4.8	5.4	6.3	9.0	14.1	21.5
-60°	3.3	3.3	3.3	3.9	4.4	4.7	5.3	6.1	7.3	11.6	16.8
-62.5°	3.3	3.3	3.3	3.8	4.3	4.6	5.1	5.8	6.9	9.0	13.7
-65°	3.3	3.3	3.3	3.7	4.2	4.5	4.9	5.5	6.5	7.8	10.4
-67.5°	3.3	3.3	3.3	3.6	4.1	4.4	4.7	5.2	5.9	7.1	8.6
-70°	3.3	3.3	3.3	3.5	4.0	4.3	4.4	5.0	5.6	6.2	7.5
-72.5°	3.3	3.3	3.3	3.5	3.9	4.2	4.4	4.7	5.3	5.8	6.4
-75°	3.3	3.3	3.3	3.5	3.8	4.2	4.4	4.6	4.9	5.4	6.0
-77.5°	3.3	3.3	3.3	3.5	3.8	4.1	4.4	4.5	4.8	5.1	5.6
-80°	3.3	3.3	3.3	3.4	3.7	4.0	4.4	4.4	4.6	4.8	5.1
-82.5°	3.3	3.3	3.3	3.4	3.6	3.8	4.1	4.3	4.4	4.5	4.7
-85°	3.3	3.3	3.3	3.4	3.5	3.7	3.9	4.0	4.1	4.1	4.2
-87.5°	3.3	3.3	3.3	3.3	3.4	3.5	3.6	3.6	3.7	3.7	3.8
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5	2.2



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	3.3	3.3	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	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.5	2.5	2.4	2.2	2.2	2.2	2.2	2.3	2.4	2.4	2.3
80°	2.9	2.8	2.5	2.2	2.3	2.5	2.7	3.1	3.0	2.8	2.7
77.5°	3.1	2.8	2.5	2.3	2.4	2.8	3.1	3.3	3.2	3.2	3.3
75°	3.1	2.8	2.7	2.7	3.0	3.2	3.3	3.5	3.7	3.7	3.6
72.5°	3.2	3.1	3.1	3.3	3.3	3.5	3.8	4.2	4.4	4.4	4.3
70°	3.3	3.3	3.3	3.3	3.4	3.7	4.3	4.9	5.2	5.5	6.0
67.5°	3.3	3.3	3.3	3.4	3.8	4.4	5.0	6.3	8.0	8.6	9.2
65°	3.3	3.3	3.4	3.8	4.3	5.2	6.6	8.6	11.8	13.4	14.1
62.5°	3.3	3.4	3.7	4.3	4.9	6.1	8.9	12.6	16.7	19.0	18.5
60°	3.3	3.4	4.1	5.0	5.9	8.4	12.1	16.3	21.6	25.3	22.7
57.5°	3.4	3.9	5.0	6.0	7.9	10.4	14.1	19.2	24.6	30.3	26.2
55°	3.8	4.8	5.9	7.4	9.4	11.3	15.0	19.8	25.7	29.4	25.8
52.5°	4.6	5.6	6.6	8.4	10.3	11.8	14.1	18.5	22.0	25.0	23.0
50°	5.3	6.0	7.1	9.2	10.9	11.8	11.7	15.1	18.0	19.3	19.5
47.5°	5.8	6.5	7.8	9.9	11.2	11.5	10.5	12.2	14.4	15.7	15.3
45°	6.2	7.2	8.7	10.4	11.5	11.1	10.9	10.3	13.0	14.2	14.4
42.5°	6.6	8.1	9.8	11.1	11.6	12.1	12.4	12.5	13.9	16.6	18.0
40°	7.3	8.9	11.1	12.3	12.5	14.4	16.4	17.8	18.8	22.6	25.3
37.5°	8.0	10.3	13.0	14.9	15.2	18.6	21.6	31.4	33.4	30.5	40.1
35°	8.6	11.9	16.4	21.0	23.7	24.6	38.1	51.3	57.0	55.9	64.0
32.5°	9.8	13.6	20.8	31.4	41.9	44.6	59.0	81.5	101.5	109.7	104.7
30°	11.7	17.7	27.9	44.6	68.4	94.6	98.7	123.6	164.2	197.2	246.7
27.5°	14.6	23.1	40.6	68.9	107.0	160.5	173.6	195.3	255.6	338.6	498.0
25°	17.9	36.7	55.0	101.3	171.8	234.5	259.3	300.1	370.0	638.4	1005.3
22.5°	25.2	54.9	84.7	138.6	247.3	312.1	356.8	425.4	591.6	1020.1	1734.3
20°	38.3	80.2	122.3	185.6	327.1	394.0	454.0	558.3	929.6	1726.2	2887.0
17.5°	53.8	107.6	161.2	242.4	370.3	461.6	554.6	694.6	1284.2	2549.7	4092.0
15°	71.0	136.4	197.7	291.5	408.0	506.2	636.0	958.7	1847.1	3490.0	5198.9
12.5°	89.5	166.3	231.9	333.4	443.0	548.2	702.7	1184.5	2434.0	4344.2	6336.1
10°	108.5	196.4	263.8	368.8	475.1	587.0	763.1	1390.7	2847.7	4664.6	6880.8
7.5°	120.3	215.3	289.6	398.2	504.1	622.4	816.7	1572.9	3140.5	4826.2	7105.2
5°	129.2	220.0	292.1	406.8	522.6	650.6	858.5	1725.7	3322.5	4849.1	7174.4
2.5°	136.0	221.9	292.7	409.4	533.8	669.6	872.8	1776.2	3405.8	4893.4	7222.4
0°	140.6	221.4	291.2	408.5	541.4	684.2	877.9	1785.7	3407.6	4922.1	7240.4
-2.5°	148.1	229.3	306.0	425.7	549.9	687.3	885.1	1836.0	3573.0	5232.0	7786.7
-5°	153.4	235.3	318.3	439.1	555.0	685.8	883.9	1838.8	3593.7	5303.9	7808.9
-7.5°	156.7	239.2	327.6	447.0	550.6	668.5	853.7	1690.2	3277.5	4978.6	7278.3
-10°	158.7	244.2	334.2	442.4	534.1	640.2	810.8	1506.4	2899.4	4560.2	6637.2
-12.5°	162.4	250.1	338.5	437.0	518.8	609.0	760.4	1292.6	2469.9	4048.8	5894.2
-15°	163.5	253.9	340.7	431.7	506.1	575.4	702.6	1053.2	2039.5	3599.7	5158.6
-17.5°	162.0	255.8	340.8	427.4	497.0	540.0	643.5	846.2	1718.7	3163.8	4602.3
-20°	157.9	255.6	339.0	424.7	491.4	528.4	624.0	801.1	1442.9	2653.2	4076.6



REPORT NUMBER: P731442 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	151.2	253.5	335.7	420.3	490.8	539.1	607.5	744.2	1097.0	2063.5	3531.8
-25°	146.7	243.9	330.6	408.7	487.5	550.7	589.7	683.5	880.4	1613.1	2797.5
-27.5°	144.6	231.1	315.2	392.1	478.9	557.3	593.1	661.4	800.7	1118.5	2024.0
-30°	139.7	209.6	296.7	371.1	458.9	544.0	606.2	638.5	728.6	913.7	1446.4
-32.5°	129.9	187.5	272.3	348.4	431.1	524.5	608.5	640.4	698.6	805.3	1004.9
-35°	118.6	173.4	245.6	322.1	397.9	492.5	581.4	649.4	675.0	752.1	891.5
-37.5°	108.7	157.0	218.5	292.7	366.0	453.1	550.9	630.1	682.6	716.4	819.4
-40°	97.2	138.1	196.0	262.6	333.8	413.2	503.8	596.2	670.7	734.7	778.0
-42.5°	84.6	123.6	172.9	232.6	301.2	374.9	453.3	544.8	640.1	731.3	798.0
-45°	74.7	107.4	148.5	204.6	266.7	334.7	408.1	485.4	585.0	687.9	781.0
-47.5°	63.9	91.0	128.6	174.0	231.6	293.9	360.5	433.6	515.7	614.7	721.7
-50°	53.4	77.9	106.7	147.4	195.5	252.0	312.9	376.8	449.4	531.7	625.8
-52.5°	46.2	63.6	89.4	120.4	161.7	209.8	263.6	320.0	381.9	449.6	526.9
-55°	38.5	53.5	72.2	97.8	128.9	170.0	213.9	263.9	315.3	374.2	433.7
-57.5°	31.7	44.0	58.6	77.4	102.3	130.6	168.8	208.2	254.0	301.5	349.0
-60°	25.3	35.1	47.1	61.4	78.3	101.6	125.9	158.8	195.4	231.3	270.9
-62.5°	19.0	27.0	36.4	47.7	61.4	75.0	94.3	116.8	140.8	170.3	199.4
-65°	15.0	19.5	26.7	35.7	45.5	57.1	69.1	81.3	100.5	119.7	137.8
-67.5°	10.9	14.9	19.0	24.1	32.4	40.6	49.2	59.8	70.5	80.6	92.3
-70°	8.9	10.5	13.8	17.5	21.2	25.6	32.7	40.2	47.8	55.3	63.7
-72.5°	7.4	8.8	10.2	11.8	14.7	17.7	20.5	23.2	28.1	34.2	40.1
-75°	6.5	7.0	8.1	9.4	10.7	11.9	13.2	15.6	18.0	20.4	22.8
-77.5°	5.9	6.3	6.7	7.3	8.0	9.1	10.1	11.1	12.1	13.0	13.9
-80°	5.3	5.5	5.8	6.1	6.5	7.0	7.6	8.2	8.9	9.7	10.4
-82.5°	4.8	4.9	5.1	5.2	5.3	5.4	5.6	5.9	6.3	6.7	7.1
-85°	4.3	4.4	4.5	4.6	4.6	4.7	4.8	4.9	4.9	5.0	5.0
-87.5°	3.8	3.8	3.9	3.9	4.0	4.0	4.0	4.1	4.1	4.1	4.2
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



REPORT NUMBER: P731442 (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°	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5	2.2	2.2	2.2
87.5°	2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.4	1.1	1.1	1.1
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	1.9	1.6
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.9	1.7
80°	2.5	2.5	2.5	2.4	2.2	2.2	2.2	2.2	2.2	1.9	1.7
77.5°	3.3	3.1	2.8	2.5	2.3	2.2	2.2	2.2	2.2	2.0	1.7
75°	3.4	3.2	3.0	2.9	2.8	2.7	2.6	2.4	2.2	2.2	2.2
72.5°	4.2	4.1	4.1	4.2	4.2	4.1	3.8	3.5	3.2	3.1	3.2
70°	6.4	6.6	6.6	6.5	6.2	5.6	5.2	4.8	4.3	4.2	4.3
67.5°	9.8	9.9	9.6	8.9	7.7	6.7	6.1	5.5	4.7	4.5	4.8
65°	13.9	12.3	11.0	9.8	8.7	7.8	7.1	6.4	5.6	5.5	6.1
62.5°	16.6	13.1	11.0	10.1	9.4	8.8	7.7	6.8	6.0	5.6	5.6
60°	18.9	13.9	10.5	9.6	8.7	7.8	6.8	6.0	5.2	4.7	4.6
57.5°	20.0	14.2	9.6	8.4	7.1	6.0	5.4	5.2	4.8	4.4	4.7
55°	19.3	13.2	8.1	7.2	6.8	6.6	6.4	5.8	5.4	5.1	5.3
52.5°	16.5	12.0	8.7	7.5	7.2	6.9	6.6	6.5	6.4	6.2	6.3
50°	14.7	11.2	8.9	7.6	7.6	7.6	7.6	7.7	7.9	8.0	8.1
47.5°	13.1	10.5	10.0	8.8	9.0	9.7	9.8	10.0	10.6	10.5	10.2
45°	13.1	14.1	13.8	13.0	12.5	17.5	17.8	14.9	17.7	17.3	15.2
42.5°	19.2	20.6	20.9	25.7	34.7	34.2	33.3	37.7	34.7	30.3	27.3
40°	29.7	29.8	35.3	43.4	43.1	41.4	46.9	47.6	47.2	49.7	48.9
37.5°	47.3	47.9	50.5	55.3	63.7	59.7	71.7	79.4	80.6	91.3	99.6
35°	78.7	92.3	80.2	108.9	127.8	123.7	141.2	172.4	142.9	218.9	232.6
32.5°	147.6	178.0	201.3	234.2	276.6	339.3	344.0	565.9	610.3	741.4	920.5
30°	254.1	342.2	511.5	555.7	624.0	883.8	1190.9	1575.2	1932.5	2187.7	2523.3
27.5°	611.8	757.4	1122.1	1518.4	1495.2	1980.6	3079.2	3417.1	4344.7	4653.4	5436.4
25°	1368.5	1717.1	2600.0	3386.7	3787.7	5066.5	6515.9	7169.5	8391.5	9041.1	9999.7
22.5°	2676.2	3632.6	4803.6	6011.8	7517.4	9475.5	11267.2	12575.0	14220.2	15541.1	16322.9
20°	4331.6	5655.0	7458.2	9335.1	11663.9	14236.3	16106.4	18756.0	21230.6	23580.4	24640.2
17.5°	5908.0	8119.0	10300.7	12566.0	15620.9	18985.8	22033.7	25908.8	30012.0	33167.3	35739.6
15°	7243.7	9704.0	12851.6	15559.0	19055.5	23251.7	27782.9	32737.1	38637.9	43122.8	47952.7
12.5°	8476.7	10943.6	14358.9	17592.3	22300.4	27039.6	32327.4	38483.1	45304.3	51938.8	58162.2
10°	9270.5	12113.7	15773.5	19701.8	24524.6	30027.7	36042.7	42938.7	51680.2	59264.9	66276.3
7.5°	9750.7	13180.8	16970.5	21159.2	26322.1	31985.0	38319.7	46449.2	55633.9	63556.4	69855.2
5°	10223.0	14055.0	17743.1	21861.8	27492.1	33254.6	39433.4	47588.1	57061.3	64991.3	70647.6
2.5°	10696.7	14656.8	18167.5	22141.3	28156.4	33972.1	40513.9	49201.7	58723.7	66006.8	70920.2
0°	11129.6	14871.5	18320.1	22211.5	28445.6	34285.5	40945.7	49524.6	60147.1	67151.6	71908.8
-2.5°	11286.6	14859.9	18155.0	22013.3	28204.1	33856.5	40485.1	49730.5	59643.5	66770.9	71601.4
-5°	10809.1	14051.8	17258.5	21166.6	26921.5	32755.9	39429.1	48596.6	58006.6	65385.3	69991.6
-7.5°	9911.3	12841.2	15995.3	19868.0	25096.8	30734.9	36809.7	44817.3	54081.2	60955.2	64583.2
-10°	8971.6	11484.6	14464.3	18048.6	22656.4	28010.7	33046.1	39859.7	48421.9	54516.1	58228.9
-12.5°	7897.4	9936.7	12686.9	15819.7	19932.7	24600.6	29206.2	34969.3	41508.3	47776.4	51641.8
-15°	6769.7	8410.8	10800.4	13806.6	17054.8	20546.3	24805.2	29473.6	34687.7	39768.3	44171.6
-17.5°	5867.0	7133.5	9326.2	12027.9	14504.7	17337.2	21488.3	25283.4	29099.3	33196.8	36865.2
-20°	5286.4	6475.3	8246.5	10502.2	12959.2	15814.5	19022.3	22341.6	25888.8	29034.8	32268.0



REPORT NUMBER: P731442 (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°	4823.1	6044.9	7411.6	9291.6	11906.8	14529.9	16997.6	19537.8	22480.6	25694.1	28402.7
-25°	4221.1	5502.5	6800.9	8589.0	10790.9	13109.4	14926.1	16734.8	19390.1	22122.9	24362.0
-27.5°	3384.1	4832.9	6348.8	7804.2	9681.1	11330.1	12926.6	14565.7	16881.0	19187.9	20860.9
-30°	2414.8	4088.2	5662.6	7149.7	8438.4	9736.8	11072.1	12750.0	14685.4	16541.6	17963.7
-32.5°	1767.0	3020.8	4723.4	6241.2	7502.4	8589.4	9614.8	11107.8	12622.0	14110.3	15469.6
-35°	1127.5	2044.0	3370.7	4916.2	6396.8	7550.9	8665.8	9747.6	10885.6	12154.1	13330.3
-37.5°	970.8	1217.2	2032.3	3185.4	4604.4	6112.3	7208.5	8285.5	9447.1	10400.2	11389.0
-40°	879.9	1008.5	1215.0	1624.0	2695.5	3759.4	4990.9	6142.7	7253.2	8231.4	9135.0
-42.5°	840.1	917.2	1000.5	1155.7	1328.6	1838.7	2736.5	3575.2	4563.5	5545.4	6403.0
-45°	860.2	886.7	929.2	1005.4	1076.2	1219.9	1371.2	1529.2	2204.6	2912.7	3519.5
-47.5°	805.2	882.3	923.5	956.7	993.0	1055.5	1120.2	1208.2	1360.5	1514.8	1637.0
-50°	713.8	796.0	868.2	939.4	973.7	998.7	1025.4	1077.0	1147.6	1220.3	1273.8
-52.5°	600.1	679.6	759.1	831.1	889.9	946.7	1002.8	1045.1	1082.0	1118.5	1136.1
-55°	498.4	564.7	628.7	693.7	757.7	818.5	880.7	943.9	1002.7	1057.1	1084.0
-57.5°	402.8	458.5	513.5	563.0	614.1	666.1	723.6	785.1	845.9	902.7	932.1
-60°	312.2	354.8	399.9	440.3	478.2	513.7	563.5	614.0	662.3	703.4	725.3
-62.5°	228.3	261.4	295.6	327.6	358.1	388.2	425.7	462.2	497.3	525.6	542.1
-65°	158.2	182.9	205.8	228.0	249.5	275.3	303.7	330.9	356.9	376.2	387.2
-67.5°	108.0	122.6	135.5	147.5	162.9	181.0	200.9	219.6	237.1	249.8	258.1
-70°	72.1	80.1	87.2	95.3	105.1	115.0	125.7	136.4	146.7	153.8	158.2
-72.5°	45.7	50.8	55.6	61.2	66.5	71.7	77.0	81.8	86.2	90.4	94.2
-75°	25.1	27.8	31.6	35.1	38.4	41.9	45.3	48.4	51.0	52.8	54.2
-77.5°	15.4	17.1	18.6	20.1	21.3	22.9	24.6	26.4	28.2	29.4	30.3
-80°	11.1	11.7	12.3	12.8	13.4	13.9	14.3	14.6	14.9	15.3	15.8
-82.5°	7.5	7.9	8.2	8.5	8.7	9.2	9.7	10.2	10.6	11.0	11.4
-85°	5.1	5.1	5.1	5.1	5.1	5.4	5.7	6.0	6.4	6.4	6.5
-87.5°	4.2	4.0	3.8	3.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-90°	2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.4	1.1	1.1	1.1



REPORT NUMBER: P731442 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5
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°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2
77.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4
72.5°	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.2	3.5
70°	4.3	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.2	4.3	4.8
67.5°	5.1	5.4	5.5	5.5	5.5	5.4	5.1	4.8	4.5	4.7	5.5
65°	6.8	7.5	7.2	6.6	7.2	7.5	6.8	6.1	5.5	5.6	6.4
62.5°	5.6	5.6	5.5	5.5	5.5	5.6	5.6	5.6	5.6	6.0	6.8
60°	4.5	4.5	4.4	4.4	4.4	4.5	4.5	4.6	4.7	5.2	6.0
57.5°	5.0	5.3	5.5	5.5	5.5	5.3	5.0	4.7	4.4	4.8	5.2
55°	5.4	5.5	5.5	5.5	5.5	5.5	5.4	5.3	5.1	5.4	5.8
52.5°	6.4	6.5	6.6	6.6	6.6	6.5	6.4	6.3	6.2	6.4	6.5
50°	8.0	7.8	7.7	7.7	7.7	7.8	8.0	8.1	8.0	7.9	7.7
47.5°	10.2	10.0	10.0	10.0	10.0	10.0	10.2	10.2	10.5	10.6	10.0
45°	15.1	14.7	14.3	14.4	14.3	14.7	15.1	15.2	17.3	17.7	14.9
42.5°	28.9	30.0	31.2	33.2	31.2	30.0	28.9	27.3	30.3	34.7	37.7
40°	49.4	48.0	46.1	46.5	46.1	48.0	49.4	48.9	49.7	47.2	47.6
37.5°	102.7	98.8	91.4	86.4	91.4	98.8	102.7	99.6	91.3	80.6	79.4
35°	211.1	206.1	194.0	190.4	194.0	206.1	211.1	232.6	218.9	142.9	172.4
32.5°	993.5	1107.4	1143.2	1144.7	1143.2	1107.4	993.5	920.5	741.4	610.3	565.9
30°	2549.5	2521.8	2275.8	2022.7	2275.8	2521.8	2549.5	2523.3	2187.7	1932.5	1575.2
27.5°	6135.8	6885.4	7426.8	7251.4	7426.8	6885.4	6135.8	5436.4	4653.4	4344.7	3417.1
25°	11051.1	11581.6	11755.7	11497.1	11755.7	11581.6	11051.1	9999.7	9041.1	8391.5	7169.5
22.5°	17350.0	17668.6	17640.9	17059.1	17640.9	17668.6	17350.0	16322.9	15541.1	14220.2	12575.0
20°	26127.7	26076.9	26337.9	25154.2	26337.9	26076.9	26127.7	24640.2	23580.4	21230.6	18756.0
17.5°	38542.4	40581.5	42134.0	41985.3	42134.0	40581.5	38542.4	35739.6	33167.3	30012.0	25908.8
15°	51730.3	54811.3	56917.2	57053.9	56917.2	54811.3	51730.3	47952.7	43122.8	38637.9	32737.1
12.5°	63194.2	66489.0	68277.6	68005.8	68277.6	66489.0	63194.2	58162.2	51938.8	45304.3	38483.1
10°	70496.9	73033.0	74915.3	75382.9	74915.3	73033.0	70496.9	66276.3	59264.9	51680.2	42938.7
7.5°	73425.3	75798.8	77439.6	77414.9	77439.6	75798.8	73425.3	69855.2	63556.4	55633.9	46449.2
5°	73967.1	76304.1	77232.8	77408.8	77232.8	76304.1	73967.1	70647.6	64991.3	57061.3	47588.1
2.5°	74500.1	76437.6	77447.0	77063.4	77447.0	76437.6	74500.1	70920.2	66006.8	58723.7	49201.7
0°	74708.6	76261.9	77050.7	76806.6	77050.7	76261.9	74708.6	71908.8	67151.6	60147.1	49524.6
-2.5°	74637.2	75658.9	76326.6	76095.8	76326.6	75658.9	74637.2	71601.4	66770.9	59643.5	49730.5
-5°	72727.2	73607.1	73918.2	74088.7	73918.2	73607.1	72727.2	69991.6	65385.3	58006.6	48596.6
-7.5°	66589.3	67745.9	67373.9	67934.9	67373.9	67745.9	66589.3	64583.2	60955.2	54081.2	44817.3
-10°	60517.3	61642.7	61256.6	61618.4	61256.6	61642.7	60517.3	58228.9	54516.1	48421.9	39859.7
-12.5°	54791.5	56207.2	56186.2	56699.6	56186.2	56207.2	54791.5	51641.8	47776.4	41508.3	34969.3
-15°	47907.7	49710.7	50692.6	51322.5	50692.6	49710.7	47907.7	44171.6	39768.3	34687.7	29473.6
-17.5°	40636.1	42954.7	44606.5	44860.4	44606.5	42954.7	40636.1	36865.2	33196.8	29099.3	25283.4
-20°	35045.7	37136.0	38690.6	39192.1	38690.6	37136.0	35045.7	32268.0	29034.8	25888.8	22341.6



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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°	30362.6	32087.5	33211.6	33488.4	33211.6	32087.5	30362.6	28402.7	25694.1	22480.6	19537.8
-25°	25829.1	26793.6	27383.6	27606.4	27383.6	26793.6	25829.1	24362.0	22122.9	19390.1	16734.8
-27.5°	22139.4	22827.3	23121.9	23237.8	23121.9	22827.3	22139.4	20860.9	19187.9	16881.0	14565.7
-30°	19050.8	19579.1	19902.7	20022.8	19902.7	19579.1	19050.8	17963.7	16541.6	14685.4	12750.0
-32.5°	16508.3	17034.1	17375.2	17497.6	17375.2	17034.1	16508.3	15469.6	14110.3	12622.0	11107.8
-35°	14127.7	14562.4	14873.1	15017.7	14873.1	14562.4	14127.7	13330.3	12154.1	10885.6	9747.6
-37.5°	12023.5	12415.7	12674.5	12754.8	12674.5	12415.7	12023.5	11389.0	10400.2	9447.1	8285.5
-40°	9644.1	9998.0	10194.9	10185.2	10194.9	9998.0	9644.1	9135.0	8231.4	7253.2	6142.7
-42.5°	6909.8	7267.3	7519.9	7709.8	7519.9	7267.3	6909.8	6403.0	5545.4	4563.5	3575.2
-45°	3925.6	4219.2	4408.3	4497.0	4408.3	4219.2	3925.6	3519.5	2912.7	2204.6	1529.2
-47.5°	1709.7	1763.0	1789.8	1790.2	1789.8	1763.0	1709.7	1637.0	1514.8	1360.5	1208.2
-50°	1312.6	1346.1	1365.4	1370.6	1365.4	1346.1	1312.6	1273.8	1220.3	1147.6	1077.0
-52.5°	1148.5	1160.1	1165.3	1165.8	1165.3	1160.1	1148.5	1136.1	1118.5	1082.0	1045.1
-55°	1106.7	1126.0	1133.7	1132.6	1133.7	1126.0	1106.7	1084.0	1057.1	1002.7	943.9
-57.5°	956.7	975.9	987.0	990.8	987.0	975.9	956.7	932.1	902.7	845.9	785.1
-60°	742.2	754.3	764.8	771.6	764.8	754.3	742.2	725.3	703.4	662.3	614.0
-62.5°	555.6	565.7	575.4	582.3	575.4	565.7	555.6	542.1	525.6	497.3	462.2
-65°	395.1	400.2	408.3	415.2	408.3	400.2	395.1	387.2	376.2	356.9	330.9
-67.5°	264.8	269.6	272.5	273.5	272.5	269.6	264.8	258.1	249.8	237.1	219.6
-70°	161.3	163.1	166.5	169.4	166.5	163.1	161.3	158.2	153.8	146.7	136.4
-72.5°	97.6	100.5	100.5	99.6	100.5	100.5	97.6	94.2	90.4	86.2	81.8
-75°	55.2	55.9	56.4	56.5	56.4	55.9	55.2	54.2	52.8	51.0	48.4
-77.5°	31.1	31.8	31.5	31.0	31.5	31.8	31.1	30.3	29.4	28.2	26.4
-80°	16.2	16.5	16.6	16.6	16.6	16.5	16.2	15.8	15.3	14.9	14.6
-82.5°	11.8	12.1	11.6	11.1	11.6	12.1	11.8	11.4	11.0	10.6	10.2
-85°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.4	6.0
-87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-90°	1.1	1.1	0.6	0.0	0.6	1.1	1.1	1.1	1.1	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°	2.8	3.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	1.7	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.4	2.3
80°	2.2	2.2	2.2	2.4	2.5	2.5	2.5	2.7	2.8	3.0	3.1
77.5°	2.2	2.2	2.3	2.5	2.8	3.1	3.3	3.3	3.2	3.2	3.3
75°	2.6	2.7	2.8	2.9	3.0	3.2	3.4	3.6	3.7	3.7	3.5
72.5°	3.8	4.1	4.2	4.2	4.1	4.1	4.2	4.3	4.4	4.4	4.2
70°	5.2	5.6	6.2	6.5	6.6	6.6	6.4	6.0	5.5	5.2	4.9
67.5°	6.1	6.7	7.7	8.9	9.6	9.9	9.8	9.2	8.6	8.0	6.3
65°	7.1	7.8	8.7	9.8	11.0	12.3	13.9	14.1	13.4	11.8	8.6
62.5°	7.7	8.8	9.4	10.1	11.0	13.1	16.6	18.5	19.0	16.7	12.6
60°	6.8	7.8	8.7	9.6	10.5	13.9	18.9	22.7	25.3	21.6	16.3
57.5°	5.4	6.0	7.1	8.4	9.6	14.2	20.0	26.2	30.3	24.6	19.2
55°	6.4	6.6	6.8	7.2	8.1	13.2	19.3	25.8	29.4	25.7	19.8
52.5°	6.6	6.9	7.2	7.5	8.7	12.0	16.5	23.0	25.0	22.0	18.5
50°	7.6	7.6	7.6	7.6	8.9	11.2	14.7	19.5	19.3	18.0	15.1
47.5°	9.8	9.7	9.0	8.8	10.0	10.5	13.1	15.3	15.7	14.4	12.2
45°	17.8	17.5	12.5	13.0	13.8	14.1	13.1	14.4	14.2	13.0	10.3
42.5°	33.3	34.2	34.7	25.7	20.9	20.6	19.2	18.0	16.6	13.9	12.5
40°	46.9	41.4	43.1	43.4	35.3	29.8	29.7	25.3	22.6	18.8	17.8
37.5°	71.7	59.7	63.7	55.3	50.5	47.9	47.3	40.1	30.5	33.4	31.4
35°	141.2	123.7	127.8	108.9	80.2	92.3	78.7	64.0	55.9	57.0	51.3
32.5°	344.0	339.3	276.6	234.2	201.3	178.0	147.6	104.7	109.7	101.5	81.5
30°	1190.9	883.8	624.0	555.7	511.5	342.2	254.1	246.7	197.2	164.2	123.6
27.5°	3079.2	1980.6	1495.2	1518.4	1122.1	757.4	611.8	498.0	338.6	255.6	195.3
25°	6515.9	5066.5	3787.7	3386.7	2600.0	1717.1	1368.5	1005.3	638.4	370.0	300.1
22.5°	11267.2	9475.5	7517.4	6011.8	4803.6	3632.6	2676.2	1734.3	1020.1	591.6	425.4
20°	16106.4	14236.3	11663.9	9335.1	7458.2	5655.0	4331.6	2887.0	1726.2	929.6	558.3
17.5°	22033.7	18985.8	15620.9	12566.0	10300.7	8119.0	5908.0	4092.0	2549.7	1284.2	694.6
15°	27782.9	23251.7	19055.5	15559.0	12851.6	9704.0	7243.7	5198.9	3490.0	1847.1	958.7
12.5°	32327.4	27039.6	22300.4	17592.3	14358.9	10943.6	8476.7	6336.1	4344.2	2434.0	1184.5
10°	36042.7	30027.7	24524.6	19701.8	15773.5	12113.7	9270.5	6880.8	4664.6	2847.7	1390.7
7.5°	38319.7	31985.0	26322.1	21159.2	16970.5	13180.8	9750.7	7105.2	4826.2	3140.5	1572.9
5°	39433.4	33254.6	27492.1	21861.8	17743.1	14055.0	10223.0	7174.4	4849.1	3322.5	1725.7
2.5°	40513.9	33972.1	28156.4	22141.3	18167.5	14656.8	10696.7	7222.4	4893.4	3405.8	1776.2
0°	40945.7	34285.5	28445.6	22211.5	18320.1	14871.5	11129.6	7240.4	4922.1	3407.6	1785.7
-2.5°	40485.1	33856.5	28204.1	22013.3	18155.0	14859.9	11286.6	7786.7	5232.0	3573.0	1836.0
-5°	39429.1	32755.9	26921.5	21166.6	17258.5	14051.8	10809.1	7808.9	5303.9	3593.7	1838.8
-7.5°	36809.7	30734.9	25096.8	19868.0	15995.3	12841.2	9911.3	7278.3	4978.6	3277.5	1690.2
-10°	33046.1	28010.7	22656.4	18048.6	14464.3	11484.6	8971.6	6637.2	4560.2	2899.4	1506.4
-12.5°	29206.2	24600.6	19932.7	15819.7	12686.9	9936.7	7897.4	5894.2	4048.8	2469.9	1292.6
-15°	24805.2	20546.3	17054.8	13806.6	10800.4	8410.8	6769.7	5158.6	3599.7	2039.5	1053.2
-17.5°	21488.3	17337.2	14504.7	12027.9	9326.2	7133.5	5867.0	4602.3	3163.8	1718.7	846.2
-20°	19022.3	15814.5	12959.2	10502.2	8246.5	6475.3	5286.4	4076.6	2653.2	1442.9	801.1



REPORT NUMBER: P731442 (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°	16997.6	14529.9	11906.8	9291.6	7411.6	6044.9	4823.1	3531.8	2063.5	1097.0	744.2
-25°	14926.1	13109.4	10790.9	8589.0	6800.9	5502.5	4221.1	2797.5	1613.1	880.4	683.5
-27.5°	12926.6	11330.1	9681.1	7804.2	6348.8	4832.9	3384.1	2024.0	1118.5	800.7	661.4
-30°	11072.1	9736.8	8438.4	7149.7	5662.6	4088.2	2414.8	1446.4	913.7	728.6	638.5
-32.5°	9614.8	8589.4	7502.4	6241.2	4723.4	3020.8	1767.0	1004.9	805.3	698.6	640.4
-35°	8665.8	7550.9	6396.8	4916.2	3370.7	2044.0	1127.5	891.5	752.1	675.0	649.4
-37.5°	7208.5	6112.3	4604.4	3185.4	2032.3	1217.2	970.8	819.4	716.4	682.6	630.1
-40°	4990.9	3759.4	2695.5	1624.0	1215.0	1008.5	879.9	778.0	734.7	670.7	596.2
-42.5°	2736.5	1838.7	1328.6	1155.7	1000.5	917.2	840.1	798.0	731.3	640.1	544.8
-45°	1371.2	1219.9	1076.2	1005.4	929.2	886.7	860.2	781.0	687.9	585.0	485.4
-47.5°	1120.2	1055.5	993.0	956.7	923.5	882.3	805.2	721.7	614.7	515.7	433.6
-50°	1025.4	998.7	973.7	939.4	868.2	796.0	713.8	625.8	531.7	449.4	376.8
-52.5°	1002.8	946.7	889.9	831.1	759.1	679.6	600.1	526.9	449.6	381.9	320.0
-55°	880.7	818.5	757.7	693.7	628.7	564.7	498.4	433.7	374.2	315.3	263.9
-57.5°	723.6	666.1	614.1	563.0	513.5	458.5	402.8	349.0	301.5	254.0	208.2
-60°	563.5	513.7	478.2	440.3	399.9	354.8	312.2	270.9	231.3	195.4	158.8
-62.5°	425.7	388.2	358.1	327.6	295.6	261.4	228.3	199.4	170.3	140.8	116.8
-65°	303.7	275.3	249.5	228.0	205.8	182.9	158.2	137.8	119.7	100.5	81.3
-67.5°	200.9	181.0	162.9	147.5	135.5	122.6	108.0	92.3	80.6	70.5	59.8
-70°	125.7	115.0	105.1	95.3	87.2	80.1	72.1	63.7	55.3	47.8	40.2
-72.5°	77.0	71.7	66.5	61.2	55.6	50.8	45.7	40.1	34.2	28.1	23.2
-75°	45.3	41.9	38.4	35.1	31.6	27.8	25.1	22.8	20.4	18.0	15.6
-77.5°	24.6	22.9	21.3	20.1	18.6	17.1	15.4	13.9	13.0	12.1	11.1
-80°	14.3	13.9	13.4	12.8	12.3	11.7	11.1	10.4	9.7	8.9	8.2
-82.5°	9.7	9.2	8.7	8.5	8.2	7.9	7.5	7.1	6.7	6.3	5.9
-85°	5.7	5.4	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.9
-87.5°	3.3	3.3	3.3	3.5	3.8	4.0	4.2	4.2	4.1	4.1	4.1
-90°	1.7	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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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°	3.3	3.3	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	2.2	2.5	2.8	3.0
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.8	3.0
82.5°	2.2	2.2	2.2	2.2	2.4	2.5	2.5	2.5	2.6	2.8	3.0
80°	2.7	2.5	2.3	2.2	2.5	2.8	2.9	3.0	2.9	3.0	3.1
77.5°	3.1	2.8	2.4	2.3	2.5	2.8	3.1	3.3	3.2	3.1	3.2
75°	3.3	3.2	3.0	2.7	2.7	2.8	3.1	3.3	3.3	3.3	3.3
72.5°	3.8	3.5	3.3	3.3	3.1	3.1	3.2	3.3	3.3	3.3	3.3
70°	4.3	3.7	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
67.5°	5.0	4.4	3.8	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3
65°	6.6	5.2	4.3	3.8	3.4	3.3	3.3	3.3	3.3	3.3	3.3
62.5°	8.9	6.1	4.9	4.3	3.7	3.4	3.3	3.3	3.3	3.3	3.3
60°	12.1	8.4	5.9	5.0	4.1	3.4	3.3	3.3	3.3	3.3	3.3
57.5°	14.1	10.4	7.9	6.0	5.0	3.9	3.4	3.4	3.3	3.3	3.3
55°	15.0	11.3	9.4	7.4	5.9	4.8	3.8	3.6	3.3	3.3	3.4
52.5°	14.1	11.8	10.3	8.4	6.6	5.6	4.6	3.8	3.6	3.3	3.4
50°	11.7	11.8	10.9	9.2	7.1	6.0	5.3	4.4	3.9	3.4	3.5
47.5°	10.5	11.5	11.2	9.9	7.8	6.5	5.8	4.9	4.2	3.7	3.5
45°	10.9	11.1	11.5	10.4	8.7	7.2	6.2	5.4	4.6	4.0	3.6
42.5°	12.4	12.1	11.6	11.1	9.8	8.1	6.6	5.8	5.0	4.4	3.8
40°	16.4	14.4	12.5	12.3	11.1	8.9	7.3	6.1	5.3	4.7	4.0
37.5°	21.6	18.6	15.2	14.9	13.0	10.3	8.0	6.4	5.7	5.0	4.3
35°	38.1	24.6	23.7	21.0	16.4	11.9	8.6	6.8	6.1	5.3	4.6
32.5°	59.0	44.6	41.9	31.4	20.8	13.6	9.8	7.8	6.5	5.6	4.9
30°	98.7	94.6	68.4	44.6	27.9	17.7	11.7	8.9	7.0	5.9	5.1
27.5°	173.6	160.5	107.0	68.9	40.6	23.1	14.6	10.1	7.5	6.2	5.3
25°	259.3	234.5	171.8	101.3	55.0	36.7	17.9	11.5	8.3	6.6	5.6
22.5°	356.8	312.1	247.3	138.6	84.7	54.9	25.2	14.1	9.4	7.0	5.8
20°	454.0	394.0	327.1	185.6	122.3	80.2	38.3	16.9	10.5	7.4	6.0
17.5°	554.6	461.6	370.3	242.4	161.2	107.6	53.8	19.9	11.6	7.8	6.2
15°	636.0	506.2	408.0	291.5	197.7	136.4	71.0	22.9	12.8	8.2	6.3
12.5°	702.7	548.2	443.0	333.4	231.9	166.3	89.5	26.0	13.9	8.5	6.4
10°	763.1	587.0	475.1	368.8	263.8	196.4	108.5	29.0	15.2	8.9	6.5
7.5°	816.7	622.4	504.1	398.2	289.6	215.3	120.3	31.8	16.5	9.2	6.5
5°	858.5	650.6	522.6	406.8	292.1	220.0	129.2	34.4	17.8	9.5	6.6
2.5°	872.8	669.6	533.8	409.4	292.7	221.9	136.0	36.7	18.9	9.8	6.6
0°	877.9	684.2	541.4	408.5	291.2	221.4	140.6	38.7	19.9	10.0	6.6
-2.5°	885.1	687.3	549.9	425.7	306.0	229.3	148.1	48.3	26.0	13.4	7.8
-5°	883.9	685.8	555.0	439.1	318.3	235.3	153.4	57.3	31.7	16.6	9.0
-7.5°	853.7	668.5	550.6	447.0	327.6	239.2	156.7	65.5	37.0	19.6	10.0
-10°	810.8	640.2	534.1	442.4	334.2	244.2	158.7	72.8	41.8	22.2	11.0
-12.5°	760.4	609.0	518.8	437.0	338.5	250.1	162.4	79.8	45.9	24.3	11.8
-15°	702.6	575.4	506.1	431.7	340.7	253.9	163.5	85.7	49.8	26.3	12.3
-17.5°	643.5	540.0	497.0	427.4	340.8	255.8	162.0	90.0	52.9	28.3	13.2
-20°	624.0	528.4	491.4	424.7	339.0	255.6	157.9	92.6	54.9	29.6	14.3



REPORT NUMBER: P731442 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	607.5	539.1	490.8	420.3	335.7	253.5	151.2	93.2	55.7	30.3	15.1
-25°	589.7	550.7	487.5	408.7	330.6	243.9	146.7	91.8	55.4	30.2	15.5
-27.5°	593.1	557.3	478.9	392.1	315.2	231.1	144.6	91.2	54.4	29.4	15.5
-30°	606.2	544.0	458.9	371.1	296.7	209.6	139.7	89.0	53.4	28.9	15.2
-32.5°	608.5	524.5	431.1	348.4	272.3	187.5	129.9	85.1	51.3	28.4	15.1
-35°	581.4	492.5	397.9	322.1	245.6	173.4	118.6	79.5	48.1	27.4	14.8
-37.5°	550.9	453.1	366.0	292.7	218.5	157.0	108.7	72.2	43.8	25.7	14.3
-40°	503.8	413.2	333.8	262.6	196.0	138.1	97.2	65.0	40.6	23.5	13.4
-42.5°	453.3	374.9	301.2	232.6	172.9	123.6	84.6	57.0	36.9	21.7	12.1
-45°	408.1	334.7	266.7	204.6	148.5	107.4	74.7	48.8	32.5	19.8	10.9
-47.5°	360.5	293.9	231.6	174.0	128.6	91.0	63.9	43.4	27.8	17.5	10.1
-50°	312.9	252.0	195.5	147.4	106.7	77.9	53.4	37.5	24.5	14.7	9.0
-52.5°	263.6	209.8	161.7	120.4	89.4	63.6	46.2	31.4	20.8	12.7	7.7
-55°	213.9	170.0	128.9	97.8	72.2	53.5	38.5	26.6	16.8	10.9	6.5
-57.5°	168.8	130.6	102.3	77.4	58.6	44.0	31.7	21.5	14.1	9.0	6.3
-60°	125.9	101.6	78.3	61.4	47.1	35.1	25.3	16.8	11.6	7.3	6.1
-62.5°	94.3	75.0	61.4	47.7	36.4	27.0	19.0	13.7	9.0	6.9	5.8
-65°	69.1	57.1	45.5	35.7	26.7	19.5	15.0	10.4	7.8	6.5	5.5
-67.5°	49.2	40.6	32.4	24.1	19.0	14.9	10.9	8.6	7.1	5.9	5.2
-70°	32.7	25.6	21.2	17.5	13.8	10.5	8.9	7.5	6.2	5.6	5.0
-72.5°	20.5	17.7	14.7	11.8	10.2	8.8	7.4	6.4	5.8	5.3	4.7
-75°	13.2	11.9	10.7	9.4	8.1	7.0	6.5	6.0	5.4	4.9	4.6
-77.5°	10.1	9.1	8.0	7.3	6.7	6.3	5.9	5.6	5.1	4.8	4.5
-80°	7.6	7.0	6.5	6.1	5.8	5.5	5.3	5.1	4.8	4.6	4.4
-82.5°	5.6	5.4	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.3
-85°	4.8	4.7	4.6	4.6	4.5	4.4	4.3	4.2	4.1	4.1	4.0
-87.5°	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.8	3.0



REPORT NUMBER: P731442 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
75°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
72.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
70°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
65°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
62.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
60°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
55°	3.4	3.3	3.3	3.3	3.3	3.3	3.3
52.5°	3.5	3.3	3.3	3.3	3.3	3.3	3.3
50°	3.6	3.4	3.3	3.3	3.3	3.3	3.3
47.5°	3.7	3.5	3.3	3.3	3.3	3.3	3.3
45°	3.8	3.6	3.3	3.3	3.3	3.3	3.3
42.5°	3.8	3.8	3.3	3.3	3.3	3.3	3.3
40°	3.9	3.9	3.4	3.3	3.3	3.3	3.3
37.5°	3.9	4.1	3.5	3.3	3.3	3.3	3.3
35°	4.0	4.2	3.6	3.4	3.3	3.3	3.3
32.5°	4.1	4.2	3.7	3.4	3.3	3.3	3.3
30°	4.3	4.3	3.8	3.5	3.3	3.3	3.3
27.5°	4.5	4.3	3.9	3.5	3.3	3.3	3.3
25°	4.7	4.4	4.0	3.6	3.3	3.3	3.3
22.5°	4.9	4.4	4.1	3.7	3.3	3.3	3.3
20°	5.1	4.4	4.2	3.7	3.3	3.3	3.3
17.5°	5.2	4.4	4.3	3.8	3.3	3.3	3.3
15°	5.3	4.4	4.3	3.9	3.3	3.3	3.3
12.5°	5.3	4.4	4.4	4.0	3.3	3.3	3.3
10°	5.4	4.4	4.4	4.1	3.3	3.3	3.3
7.5°	5.4	4.4	4.4	4.2	3.3	3.3	3.3
5°	5.5	4.4	4.4	4.2	3.3	3.3	3.3
2.5°	5.5	4.4	4.4	4.3	3.3	3.3	3.3
0°	5.5	4.4	4.4	4.4	3.3	3.3	3.3
-2.5°	5.8	4.5	4.4	4.4	3.3	3.3	3.3
-5°	6.1	4.6	4.4	4.4	3.4	3.3	3.3
-7.5°	6.3	4.7	4.4	4.4	3.4	3.3	3.3
-10°	6.5	4.8	4.4	4.4	3.5	3.3	3.3
-12.5°	6.7	4.9	4.4	4.3	3.5	3.3	3.3
-15°	6.8	5.0	4.4	4.3	3.6	3.3	3.3
-17.5°	6.9	5.0	4.4	4.3	3.6	3.3	3.3
-20°	7.2	5.1	4.4	4.3	3.6	3.3	3.3



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 CATALOG NUMBER: EPH-LS-08-0320N-57-80-5S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	7.8	5.1	4.4	4.3	3.7	3.3	3.3
-25°	8.2	5.2	4.4	4.3	3.7	3.3	3.3
-27.5°	8.4	5.3	4.4	4.3	3.7	3.3	3.3
-30°	8.4	5.3	4.4	4.3	3.7	3.3	3.3
-32.5°	8.2	5.2	4.5	4.3	3.7	3.3	3.3
-35°	8.1	5.1	4.5	4.3	3.7	3.3	3.3
-37.5°	7.9	5.0	4.5	4.3	3.7	3.3	3.3
-40°	7.6	5.0	4.6	4.4	3.7	3.3	3.3
-42.5°	7.2	5.0	4.6	4.4	3.7	3.3	3.3
-45°	6.6	5.1	4.6	4.4	3.6	3.3	3.3
-47.5°	5.9	5.0	4.6	4.4	3.6	3.3	3.3
-50°	5.7	5.0	4.6	4.3	3.5	3.3	3.3
-52.5°	5.7	5.0	4.5	4.2	3.5	3.3	3.3
-55°	5.5	4.9	4.5	4.1	3.4	3.3	3.3
-57.5°	5.4	4.8	4.5	4.0	3.4	3.3	3.3
-60°	5.3	4.7	4.4	3.9	3.3	3.3	3.3
-62.5°	5.1	4.6	4.3	3.8	3.3	3.3	3.3
-65°	4.9	4.5	4.2	3.7	3.3	3.3	3.3
-67.5°	4.7	4.4	4.1	3.6	3.3	3.3	3.3
-70°	4.4	4.3	4.0	3.5	3.3	3.3	3.3
-72.5°	4.4	4.2	3.9	3.5	3.3	3.3	3.3
-75°	4.4	4.2	3.8	3.5	3.3	3.3	3.3
-77.5°	4.4	4.1	3.8	3.5	3.3	3.3	3.3
-80°	4.4	4.0	3.7	3.4	3.3	3.3	3.3
-82.5°	4.1	3.8	3.6	3.4	3.3	3.3	3.3
-85°	3.9	3.7	3.5	3.4	3.3	3.3	3.3
-87.5°	3.6	3.5	3.4	3.3	3.3	3.3	3.3
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3

(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

