

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: P731450 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-40-70-1S-CV1**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731450 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-40-70-1S-CV1
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

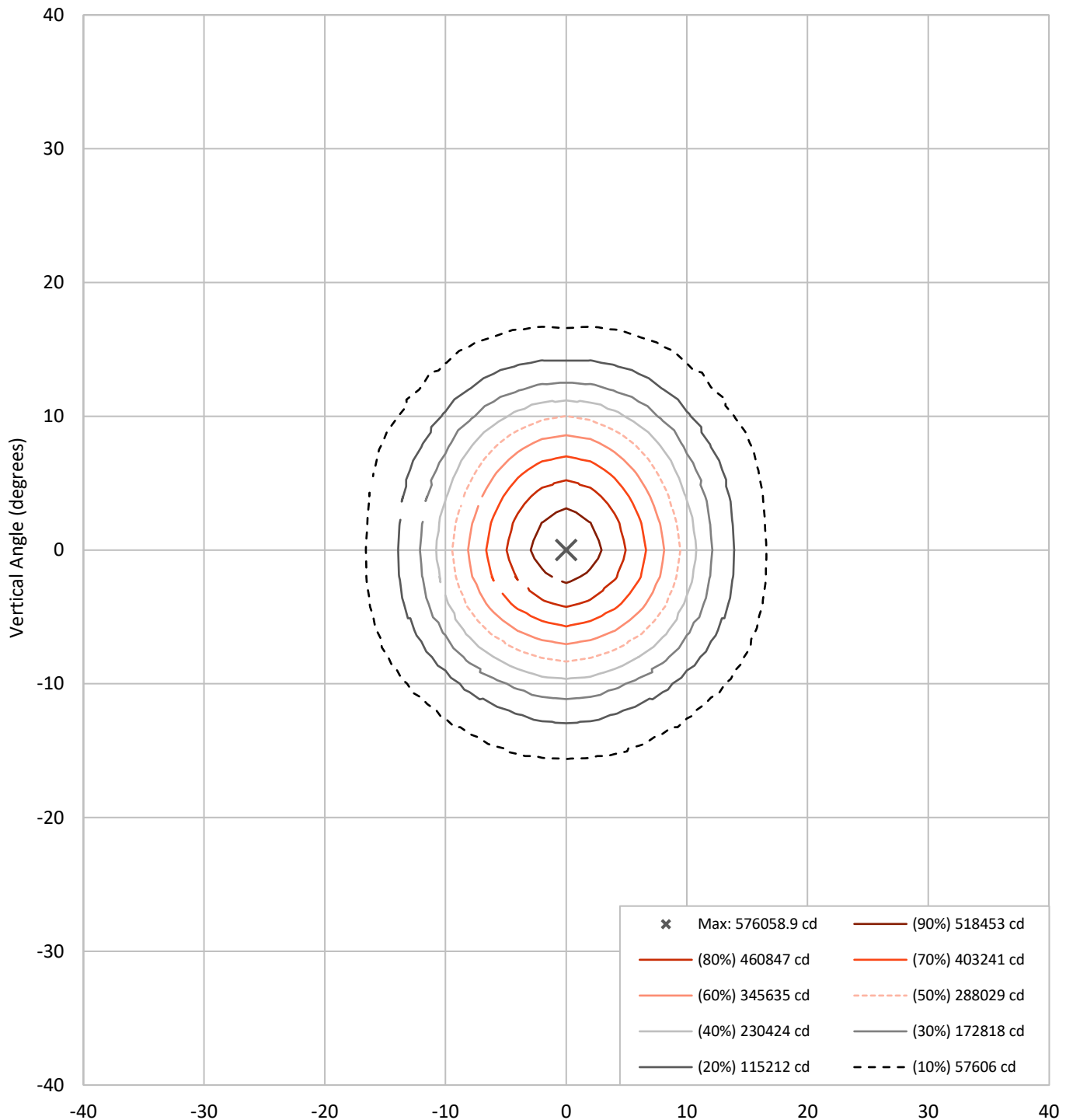
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	69387.2 lumens	Max Intensity:	576058.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	120.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 18.3°V	Field Angle (10%):	33°H x 31.9°V
Beam Lumens:	32374 lumens	Field Lumens:	58800.1 lumens
Beam Efficiency:	46.7%	Field Efficiency:	84.7%

Input Watts (W): 577.1
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





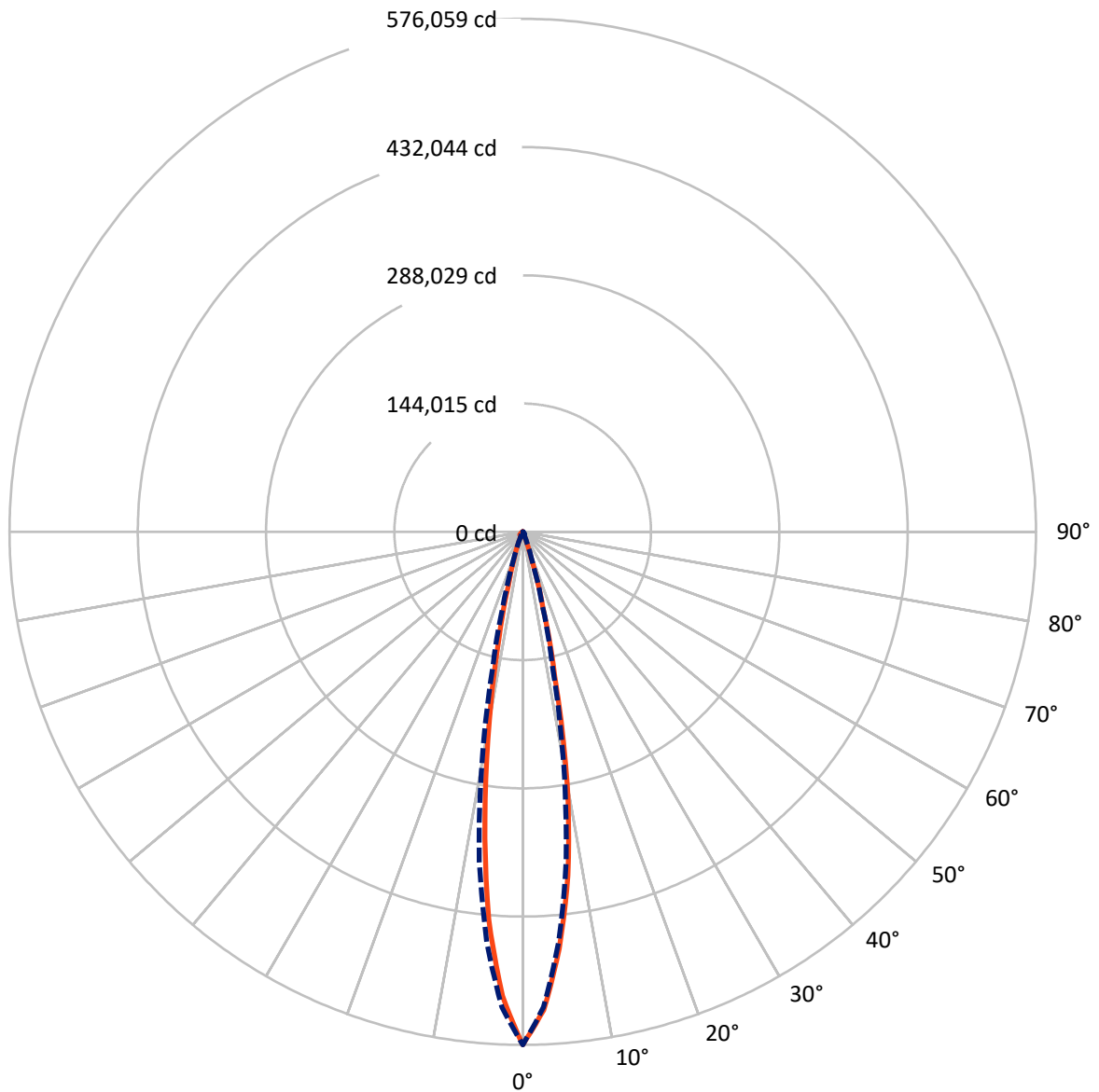
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Lumen Table

90	0.1		0.2		0.4		0.5		0.4		0.5		0.4		0.2		0.1	
80	0.1		0.2		0.4		0.5		0.4		0.5		0.4		0.2		0.1	
70	0.1	0.1	0.1	0.5	0.6	0.4	0.3	0.2	0.2	0.3	0.4	0.6	0.5	0.1	0.1	0.1	0.1	0.1
60		0.1	0.3	0.6	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.6	0.3	0.1			
50	0.2	0.2	0.4	0.4	0.5	0.8	1.1	0.9	0.9	1.1	0.8	0.5	0.4	0.4	0.2	0.2	0.2	0.2
40		0.3	0.8	1.9	3.8	5.5	7.9	9.7	9.7	7.9	5.5	3.8	1.9	0.8	0.3			
30	0.2	0.5	3.8	12.0	28.3	38.5	61.6	109.9	109.9	61.6	38.5	28.3	12.0	3.8	0.5	0.2	0.2	0.2
20		1.2	8.1	34.6	69.7	92.3	674.9	2719.6	2719.6	674.9	92.3	69.7	34.6	8.1	1.2			
10	0.3	1.9	10.4	46.7	77.5	169.6	2528.3	10918.7	10918.7	2528.3	169.6	77.5	46.7	10.4	1.9	0.3	0.3	0.3
0		2.3	10.9	45.9	77.5	164.6	2418.8	10114.7	10114.7	2418.8	164.6	77.5	45.9	10.9	2.3			
-10	0.5	2.7	10.5	36.7	71.4	90.1	538.7	2019.4	2019.4	538.7	90.1	71.4	36.7	10.5	2.7	0.5	0.5	0.5
-20		2.8	10.2	25.5	70.7	88.7	100.4	173.3	173.3	100.4	88.7	70.7	25.5	10.2	2.8			
-30	0.5	2.5	9.3	17.9	50.2	104.0	121.7	125.5	125.5	121.7	104.0	50.2	17.9	9.3	2.5	0.5	0.5	0.5
-40		1.7	7.1	15.8	26.6	47.8	86.7	117.7	117.7	86.7	47.8	26.6	15.8	7.1	1.7			
-50	0.3	0.9	4.1	10.7	20.3	29.5	37.2	41.9	41.9	37.2	29.5	20.3	10.7	4.1	0.9	0.3	0.3	0.3
-60		0.4	1.4	4.2	8.7	14.3	19.8	23.0	23.0	19.8	14.3	8.7	4.2	1.4	0.4			
-70	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-80		1.1	3.1	7.3	9.8	7.3	3.1	1.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2			
-90	0.2		1.1		3.1		7.3		9.8		7.3		3.1		1.1		0.2	

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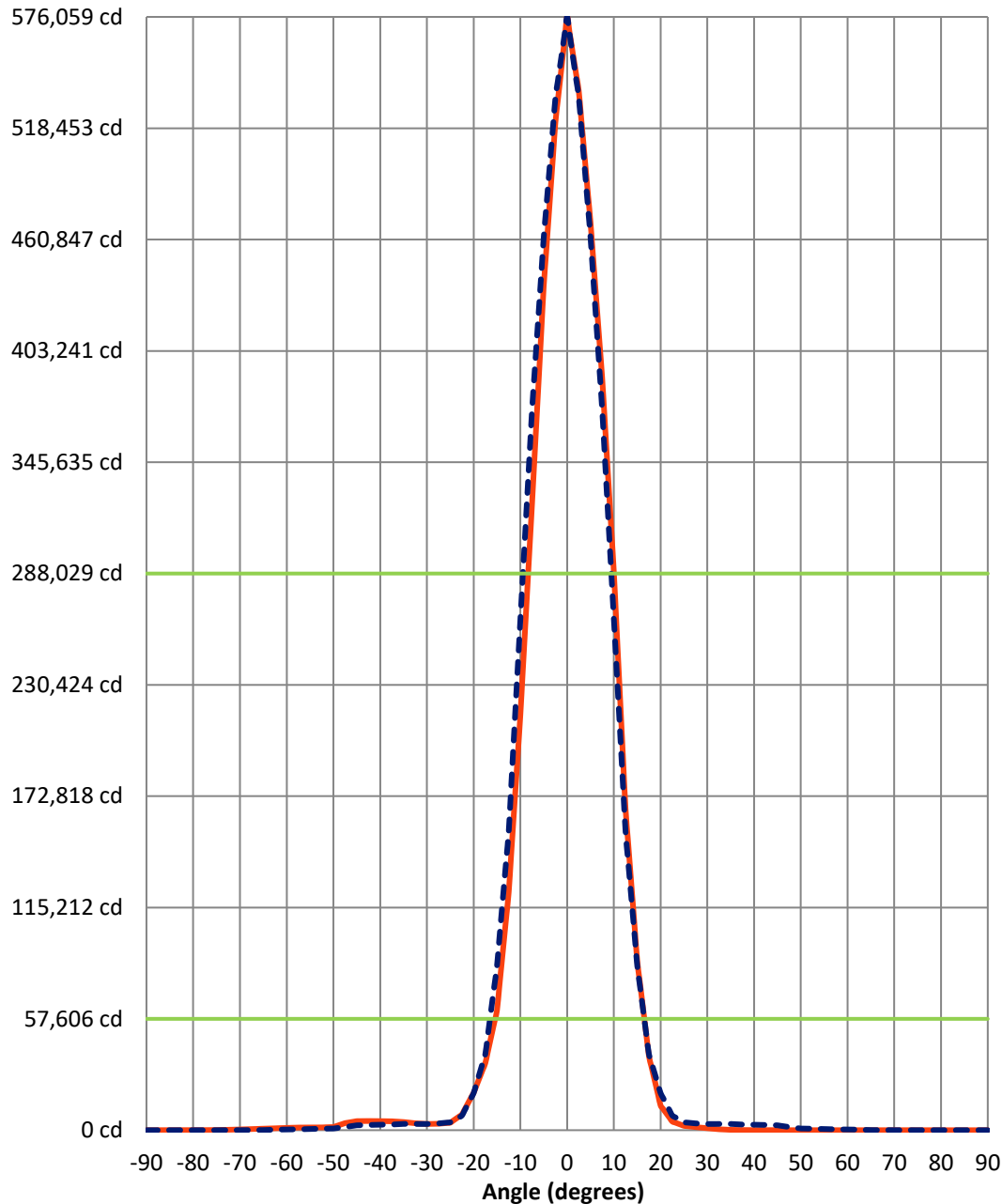
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.9°
 V Angle: 18.3°
 Lumens: 32374
 Efficiency: 46.7%

Field:
 H Angle: 33°
 V Angle: 31.9°
 Lumens: 58800.1
 Efficiency: 84.7%

Spill:
 Lumens: 10587.1
 Efficiency: 15.3%

— 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°	4.2	4.2	4.2	4.9	5.6	6.2	6.9	7.6	8.3	9.0	9.7
87.5°	4.2	4.2	4.2	3.9	3.6	3.4	3.2	3.1	3.0	2.9	2.8
85°	4.2	4.3	4.2	3.9	3.7	3.6	3.5	3.4	3.3	3.1	2.8
82.5°	4.2	4.3	4.2	4.0	3.9	3.8	3.9	3.8	3.6	3.4	3.2
80°	4.2	4.3	4.2	4.0	4.0	4.1	4.2	4.2	4.0	3.9	3.8
77.5°	4.2	4.4	4.2	4.1	4.1	4.3	4.6	4.6	4.5	4.5	4.3
75°	4.2	4.4	4.2	4.1	4.2	4.6	5.0	5.0	5.0	4.6	4.3
72.5°	4.2	4.4	4.2	4.2	4.5	4.9	5.3	5.4	5.0	4.7	4.3
70°	4.2	4.5	4.3	4.2	4.7	5.2	5.6	5.4	5.1	4.7	4.8
67.5°	4.2	4.5	4.3	4.4	4.9	5.5	5.6	5.4	5.1	5.3	5.4
65°	4.2	4.5	4.3	4.6	5.2	5.6	5.7	5.5	5.6	5.8	5.9
62.5°	4.2	4.6	4.3	4.7	5.4	5.7	5.8	5.8	6.0	6.3	6.1
60°	4.2	4.6	4.4	4.9	5.6	5.9	5.8	6.2	6.5	6.6	6.4
57.5°	4.2	4.6	4.5	5.1	5.7	6.0	6.2	6.5	6.9	6.9	6.9
55°	4.2	4.7	4.7	5.2	5.9	6.1	6.5	6.9	7.3	7.4	7.5
52.5°	4.2	4.7	4.8	5.4	6.0	6.3	6.8	7.4	7.8	8.0	8.2
50°	4.2	4.8	4.9	5.5	6.1	6.6	7.2	7.8	8.3	8.6	9.4
47.5°	4.2	4.8	5.0	5.6	6.3	6.8	7.5	8.3	8.8	9.1	10.7
45°	4.2	4.8	5.2	5.7	6.4	7.1	7.9	8.8	9.3	10.2	11.9
42.5°	4.2	4.9	5.3	5.9	6.6	7.4	8.4	9.3	9.8	11.1	14.1
40°	4.2	4.9	5.4	6.0	6.8	7.6	8.9	9.8	10.4	12.0	16.3
37.5°	4.2	5.0	5.5	6.2	7.0	7.9	9.3	10.2	11.3	13.3	18.3
35°	4.2	5.0	5.7	6.4	7.2	8.2	9.8	10.6	12.2	15.3	19.9
32.5°	4.2	5.1	5.8	6.5	7.4	8.6	10.3	11.0	13.2	17.2	21.6
30°	4.2	5.1	5.9	6.7	7.5	9.0	10.6	11.5	14.1	19.1	23.6
27.5°	4.2	5.2	6.0	6.9	7.8	9.3	11.0	12.3	15.2	20.8	25.9
25°	4.2	5.2	6.1	7.0	8.0	9.7	11.3	13.0	16.7	22.6	28.5
22.5°	4.2	5.2	6.2	7.2	8.2	10.0	11.6	13.8	18.0	24.5	32.5
20°	4.2	5.3	6.3	7.3	8.4	10.3	11.9	14.5	19.3	26.6	36.8
17.5°	4.2	5.3	6.4	7.5	8.6	10.5	12.2	15.1	20.4	28.8	41.4
15°	4.2	5.4	6.5	7.6	8.8	10.7	12.4	15.8	21.5	31.0	46.1
12.5°	4.2	5.4	6.6	7.7	9.0	10.8	12.7	16.3	22.5	33.2	50.9
10°	4.2	5.5	6.6	7.9	9.1	10.9	13.0	16.8	23.5	35.2	55.7
7.5°	4.2	5.5	6.7	8.0	9.3	11.0	13.2	17.2	24.3	37.1	60.3
5°	4.2	5.5	6.8	8.1	9.4	11.1	13.5	17.5	25.1	38.9	64.7
2.5°	4.2	5.6	6.8	8.2	9.6	11.1	13.7	17.9	25.8	40.4	68.7
0°	4.2	5.6	6.9	8.3	9.7	11.1	13.9	18.1	26.4	41.7	72.2
-2.5°	4.2	5.6	7.0	8.4	9.9	11.7	15.2	21.6	33.9	55.0	92.9
-5°	4.2	5.7	7.0	8.5	10.2	12.3	16.4	24.9	41.1	67.8	112.6
-7.5°	4.2	5.7	7.1	8.5	10.4	12.9	17.6	27.9	47.7	79.7	130.8
-10°	4.2	5.7	7.1	8.6	10.6	13.4	18.6	30.7	53.7	90.4	147.2
-12.5°	4.2	5.7	7.1	8.7	10.7	13.8	19.5	33.0	58.9	99.8	160.9
-15°	4.2	5.7	7.2	8.7	10.9	14.2	20.3	34.9	63.8	108.3	172.2
-17.5°	4.2	5.7	7.2	8.7	11.0	14.5	21.0	37.1	68.5	115.2	180.9
-20°	4.2	5.7	7.2	8.8	11.1	14.8	21.7	39.2	72.1	120.4	186.8



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 CATALOG NUMBER: EPH-LS-08-0530N-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.2	5.7	7.2	8.8	11.1	14.9	22.4	40.4	74.2	123.7	189.8
-25°	4.2	5.7	7.2	8.8	11.1	15.1	22.8	40.6	74.9	125.1	189.7
-27.5°	4.2	5.7	7.2	8.8	11.1	15.1	22.7	39.8	74.0	125.0	190.6
-30°	4.2	5.7	7.2	8.8	11.0	15.1	22.2	38.0	72.7	123.8	189.1
-32.5°	4.2	5.7	7.2	8.8	11.0	15.0	21.3	37.0	70.5	120.4	184.8
-35°	4.2	5.7	7.2	8.7	10.9	14.8	20.8	35.8	66.7	114.7	177.7
-37.5°	4.2	5.6	7.2	8.7	10.9	14.6	20.5	34.0	61.3	106.8	166.4
-40°	4.2	5.6	7.2	8.7	10.7	14.4	20.0	31.4	54.3	98.5	153.2
-42.5°	4.2	5.6	7.1	8.6	10.6	14.2	19.4	28.1	49.0	87.8	137.6
-45°	4.2	5.5	7.1	8.6	10.6	13.9	18.7	25.5	44.4	75.3	120.2
-47.5°	4.2	5.5	7.0	8.6	10.5	13.5	17.8	24.4	38.8	61.5	104.3
-50°	4.2	5.4	7.0	8.5	10.4	13.1	17.2	23.2	32.1	53.7	86.6
-52.5°	4.2	5.4	6.9	8.4	10.3	12.6	16.6	21.8	28.7	45.1	68.3
-55°	4.2	5.3	6.9	8.3	10.2	12.3	15.8	20.2	26.8	35.7	57.3
-57.5°	4.2	5.2	6.8	8.2	10.0	12.1	15.0	19.2	24.6	31.5	45.3
-60°	4.2	5.2	6.7	8.0	9.8	11.8	14.2	18.1	22.6	28.8	35.7
-62.5°	4.2	5.1	6.6	7.8	9.5	11.5	13.7	16.9	21.2	25.8	32.3
-65°	4.2	5.0	6.4	7.7	9.2	11.2	13.3	15.8	19.8	23.9	28.7
-67.5°	4.2	5.0	6.2	7.5	8.9	10.7	12.8	15.2	18.3	22.3	26.2
-70°	4.2	4.9	6.0	7.2	8.5	10.1	12.2	14.5	17.3	20.5	24.3
-72.5°	4.2	4.8	5.8	7.0	8.1	9.5	11.4	13.7	16.2	19.1	22.3
-75°	4.2	4.7	5.6	6.7	7.6	8.9	10.4	12.7	15.1	17.6	20.4
-77.5°	4.2	4.6	5.4	6.4	7.3	8.2	9.4	11.6	13.8	16.0	18.3
-80°	4.2	4.6	5.1	6.1	6.9	7.7	8.4	10.4	12.5	14.5	16.6
-82.5°	4.2	4.5	4.9	5.8	6.6	7.3	8.0	9.4	11.1	13.0	14.9
-85°	4.2	4.4	4.7	5.5	6.3	7.0	7.6	8.8	10.2	11.6	13.2
-87.5°	4.2	4.3	4.4	5.2	5.9	6.6	7.3	8.2	9.3	10.3	11.5
-90°	4.2	4.2	4.2	3.9	3.5	3.2	2.8	2.8	2.8	2.8	2.8



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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°	9.7	9.7	9.7	9.7	10.1	10.4	10.8	11.1	11.5	11.8	12.2
87.5°	2.6	2.5	2.3	2.2	2.0	1.9	1.6	1.4	1.4	1.4	1.4
85°	2.8	2.8	2.8	2.8	2.5	2.3	2.1	2.0	1.9	1.8	1.6
82.5°	3.2	3.2	3.0	2.8	2.7	2.8	2.8	2.8	2.6	2.3	2.2
80°	3.7	3.5	3.3	3.2	3.3	3.2	3.1	2.9	2.8	2.9	3.0
77.5°	4.0	3.9	3.9	4.0	3.9	3.7	3.6	3.6	3.7	3.9	4.1
75°	4.1	4.2	4.3	4.3	4.1	4.1	4.2	4.5	4.7	4.7	4.6
72.5°	4.4	4.6	4.6	4.4	4.5	4.8	5.2	5.5	6.1	6.9	7.6
70°	5.0	5.1	5.0	5.0	5.3	5.9	7.1	8.6	10.1	11.9	14.4
67.5°	5.5	5.3	5.4	5.8	6.7	8.0	9.7	15.3	21.8	24.5	25.3
65°	5.6	5.6	6.1	7.0	8.2	12.6	18.8	26.3	33.4	34.2	33.0
62.5°	5.7	6.1	7.0	9.0	13.2	19.1	25.7	32.9	41.0	41.3	36.2
60°	6.2	6.8	8.9	12.9	17.8	23.1	30.3	36.1	42.7	45.9	35.0
57.5°	6.9	8.1	11.6	16.4	21.2	25.2	29.1	35.0	38.6	39.2	28.9
55°	8.0	9.9	14.3	19.7	23.3	22.3	25.5	28.9	30.2	28.2	20.1
52.5°	9.7	11.9	17.5	22.1	22.9	21.0	21.0	22.6	21.0	18.1	15.8
50°	11.2	15.4	20.5	23.4	22.8	20.0	17.0	16.6	16.0	15.0	13.5
47.5°	13.8	18.7	23.0	24.8	21.9	19.1	15.4	14.9	14.8	14.2	13.0
45°	16.6	21.2	25.7	24.1	21.4	18.5	17.1	15.3	15.3	15.4	16.3
42.5°	19.2	23.3	25.5	23.4	21.6	20.8	20.5	18.3	18.2	22.0	23.3
40°	21.0	25.1	25.5	25.2	23.3	25.2	25.8	26.0	27.1	31.2	33.1
37.5°	22.4	25.8	27.4	30.0	28.2	31.3	32.7	47.8	49.7	42.0	57.6
35°	23.6	27.0	34.0	41.6	44.1	39.1	59.1	79.9	87.1	82.4	100.1
32.5°	24.8	28.9	43.0	61.1	77.7	73.5	92.8	128.9	151.9	163.6	177.8
30°	27.4	37.3	57.1	86.0	128.7	154.4	155.8	194.1	236.4	311.7	379.6
27.5°	31.7	48.4	81.0	133.3	199.1	252.6	262.5	287.2	384.2	526.5	705.7
25°	36.7	75.2	108.5	197.5	294.4	354.6	372.1	414.1	582.4	908.9	1085.9
22.5°	50.3	110.9	154.9	272.3	401.3	453.3	489.8	642.6	946.5	1377.9	1510.9
20°	76.0	152.3	212.6	336.6	509.3	550.8	605.7	933.5	1420.5	1779.9	1960.5
17.5°	106.3	194.1	270.4	400.0	552.0	628.8	745.0	1266.4	1910.1	2168.2	2356.2
15°	140.3	235.9	320.4	455.9	589.8	680.6	963.3	1653.6	2324.4	2537.9	2721.8
12.5°	176.6	277.4	363.5	504.4	627.1	728.8	1162.0	1925.8	2523.5	2825.5	3062.4
10°	213.9	318.1	400.4	545.9	663.3	773.1	1348.0	2159.1	2624.1	2874.2	3135.7
7.5°	237.1	344.1	428.8	580.8	697.8	813.4	1516.6	2353.2	2693.4	2889.4	3083.2
5°	254.5	353.0	436.0	596.5	723.7	843.1	1643.6	2507.5	2737.5	2877.9	2991.6
2.5°	267.7	359.1	440.8	605.1	743.0	858.1	1655.7	2531.8	2724.0	2855.9	2934.3
0°	276.5	362.6	443.2	608.6	758.6	868.4	1631.2	2519.0	2694.1	2830.2	2921.9
-2.5°	286.2	373.2	463.2	619.4	760.0	868.7	1607.9	2494.0	2723.8	2906.6	3058.9
-5°	292.1	381.6	480.2	625.9	757.4	865.2	1555.5	2430.1	2720.1	2912.6	3099.3
-7.5°	294.8	388.1	493.4	627.8	746.6	848.6	1466.6	2277.3	2605.6	2785.8	3016.8
-10°	295.8	396.5	499.6	618.0	725.5	822.7	1348.1	2100.9	2487.4	2652.2	2895.1
-12.5°	298.6	406.5	503.5	608.2	704.1	793.9	1203.3	1907.5	2368.3	2513.3	2760.6
-15°	298.6	414.5	506.3	599.8	683.2	762.7	1033.2	1703.1	2303.2	2538.7	2741.9
-17.5°	296.2	420.7	508.4	593.9	664.0	729.4	845.1	1520.7	2262.1	2593.5	2794.0
-20°	291.4	424.9	510.3	591.5	648.0	713.9	805.8	1317.2	2053.5	2618.4	2863.2



REPORT NUMBER: P731450 (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°	284.6	427.4	511.9	589.7	653.1	715.5	792.9	1086.6	1763.5	2615.3	2865.3
-25°	281.4	415.4	511.6	589.4	661.0	718.6	777.7	867.3	1451.9	2243.1	2789.4
-27.5°	280.1	401.6	502.8	583.6	668.1	723.7	774.9	847.6	1153.8	1797.4	2633.8
-30°	274.7	378.9	490.1	572.0	661.1	729.7	779.9	826.0	910.4	1413.4	2109.5
-32.5°	262.1	355.2	465.9	555.0	644.1	735.2	781.8	821.5	883.7	1032.4	1597.8
-35°	247.3	336.4	437.2	533.4	620.6	716.3	778.8	820.5	861.3	933.3	1189.6
-37.5°	234.0	314.8	408.0	505.0	592.5	682.4	772.2	816.2	857.4	908.8	1006.4
-40°	218.0	290.4	380.4	472.6	560.0	646.7	733.7	810.1	851.5	918.4	982.7
-42.5°	199.6	269.8	350.7	439.2	523.0	608.0	693.1	775.0	860.7	928.0	992.3
-45°	179.5	246.5	319.2	399.7	482.0	564.9	647.6	732.8	836.1	938.5	1003.0
-47.5°	156.5	220.3	289.5	356.1	435.3	516.5	597.6	686.9	789.3	896.1	1011.3
-50°	132.2	191.2	254.4	315.5	382.9	461.9	541.5	631.3	727.7	831.1	939.6
-52.5°	110.0	159.0	215.9	275.0	333.8	399.6	479.3	564.6	654.9	752.1	846.8
-55°	85.9	129.1	174.3	229.9	287.6	343.5	408.3	488.1	571.3	659.4	745.0
-57.5°	67.7	98.2	136.4	180.6	234.7	291.3	347.1	407.4	481.1	558.8	630.1
-60°	52.9	72.9	100.6	136.8	176.8	228.8	284.1	338.7	395.7	452.5	514.0
-62.5°	39.2	54.6	72.4	95.8	129.5	164.9	210.9	261.8	314.8	361.9	406.6
-65°	34.8	39.4	51.6	67.8	84.4	113.6	146.1	180.2	224.5	266.0	306.3
-67.5°	30.2	34.5	38.4	44.5	59.1	73.7	88.0	116.3	145.9	172.5	200.7
-70°	27.3	29.8	33.3	36.8	40.0	46.2	58.9	71.2	83.0	97.5	119.8
-72.5°	24.8	26.7	28.9	31.4	34.3	37.2	40.1	43.1	50.6	60.3	69.1
-75°	22.2	23.5	25.1	27.0	29.1	31.1	33.1	35.6	38.2	40.9	43.8
-77.5°	19.7	20.8	21.8	22.8	24.1	25.9	27.6	29.2	30.8	32.4	33.9
-80°	17.4	18.1	18.9	19.7	20.6	21.6	22.6	23.7	24.9	26.1	27.4
-82.5°	15.5	16.0	16.5	16.9	17.4	17.8	18.3	18.9	19.6	20.3	21.1
-85°	13.6	13.9	14.2	14.5	14.8	15.1	15.4	15.6	15.9	16.1	16.4
-87.5°	11.6	11.8	12.0	12.1	12.4	12.6	12.9	13.1	13.3	13.4	13.5
-90°	2.5	2.1	1.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4



REPORT NUMBER: P731450 (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°	12.5	12.9	13.2	13.6	13.9	14.3	14.6	15.0	15.3	15.3	15.3
87.5°	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.0	0.7
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	2.1	2.0	1.8	1.6	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	3.2	3.0	2.8	2.6	2.3	2.2	2.0	1.7	1.4	1.4	1.4
77.5°	4.2	3.9	3.6	3.2	2.9	2.7	2.6	2.6	2.6	2.6	2.7
75°	4.3	4.2	4.4	4.4	4.2	4.0	3.8	3.4	2.9	2.8	2.8
72.5°	8.3	8.5	8.4	8.2	7.6	7.0	6.8	6.5	6.1	6.0	5.9
70°	15.7	15.9	15.3	13.9	11.8	10.3	9.8	9.1	8.3	8.2	8.6
67.5°	24.1	22.0	20.0	17.7	14.9	12.9	12.2	11.5	10.7	10.4	10.3
65°	29.6	23.3	19.9	17.6	16.2	14.6	13.0	11.4	9.9	9.0	8.7
62.5°	29.3	20.5	16.5	14.7	13.3	12.2	10.7	9.3	8.1	7.3	7.2
60°	25.4	17.0	12.7	11.4	10.4	9.7	8.9	8.0	7.3	6.9	6.9
57.5°	19.9	13.2	9.7	9.5	9.1	8.6	8.1	7.7	7.3	6.9	7.2
55°	14.5	11.6	9.8	9.6	9.3	8.8	8.2	8.1	8.0	7.8	8.4
52.5°	12.5	11.4	10.9	10.6	10.1	9.7	9.6	9.6	9.7	10.0	10.2
50°	12.3	11.9	11.5	11.0	10.9	11.0	11.0	11.4	11.8	12.0	12.0
47.5°	12.8	12.6	13.1	12.3	12.6	13.5	13.7	14.0	15.0	15.2	15.2
45°	15.1	17.1	17.6	17.5	17.1	22.3	23.3	21.4	29.4	28.2	22.0
42.5°	23.3	25.8	27.4	32.4	39.8	44.6	57.6	79.1	70.8	53.3	34.5
40°	39.9	39.2	46.7	56.0	61.5	71.6	87.5	108.1	99.8	84.7	90.4
37.5°	70.3	71.2	73.7	85.9	90.3	79.1	102.5	100.8	85.5	109.3	112.1
35°	129.1	142.8	121.3	147.7	153.9	144.4	153.0	169.2	146.4	177.0	186.9
32.5°	232.3	256.0	256.9	263.1	284.9	306.0	312.0	355.9	370.0	407.0	446.8
30°	371.0	414.7	451.9	461.9	491.2	543.3	586.4	670.8	761.3	829.2	918.5
27.5°	668.7	629.1	712.0	812.8	780.7	856.4	1011.6	1133.6	1313.9	1443.7	1513.7
25°	1081.6	1017.3	1168.2	1321.9	1322.3	1335.1	1559.6	1755.3	1902.8	2020.0	2122.7
22.5°	1568.9	1649.0	1784.3	1962.9	1869.8	1954.6	2177.5	2336.4	2543.2	2745.8	3352.9
20°	2115.0	2277.1	2388.5	2361.8	2357.8	2502.0	2698.0	3004.7	3630.0	5834.4	7939.5
17.5°	2596.2	2793.1	2783.4	2671.3	2724.4	2966.5	3322.2	4513.0	7672.0	14831.5	21531.8
15°	2969.3	3057.0	2999.3	2932.3	3051.1	3413.7	4303.5	8154.1	17740.3	29205.4	42291.9
12.5°	3218.6	3184.1	3032.6	3043.6	3326.0	3835.3	6859.6	15871.8	29733.1	46015.1	78916.9
10°	3314.9	3220.6	3088.0	3210.7	3595.9	4822.0	9226.2	22037.4	42994.0	76844.9	121192.2
7.5°	3249.3	3168.9	3131.6	3348.3	3861.0	6386.0	14341.8	31170.1	61628.1	105281.3	167689.2
5°	3206.9	3153.2	3161.2	3438.6	4028.6	7536.1	17957.2	36915.4	76443.9	132780.9	212177.3
2.5°	3204.4	3172.4	3186.5	3501.3	4123.1	8124.8	19993.8	37872.2	81648.1	147739.0	248578.9
0°	3238.7	3217.9	3205.4	3513.8	4077.9	7548.7	19182.3	39409.4	85218.4	154487.8	264393.4
-2.5°	3398.7	3228.2	3221.0	3513.1	4127.8	7977.2	19657.3	38878.5	83929.8	148250.5	247428.6
-5°	3360.4	3167.6	3136.8	3382.0	3955.9	7183.5	17209.3	35905.4	73723.6	126058.1	203939.3
-7.5°	3208.6	3079.7	3025.0	3220.2	3719.2	6029.4	13346.1	28347.7	55515.2	95017.9	146959.6
-10°	3085.1	3000.1	2919.2	3054.3	3433.6	4607.8	8507.9	19017.6	37761.9	64614.1	94360.2
-12.5°	3020.2	2980.0	2834.2	2871.9	3136.9	3657.7	5953.1	12854.6	23648.5	35086.2	57315.8
-15°	2974.3	2943.8	2807.2	2798.2	2946.2	3254.0	3921.7	6667.8	13224.5	21458.6	30282.2
-17.5°	2932.7	2921.6	2849.2	2770.7	2789.1	2967.6	3335.2	4310.4	6763.0	11996.9	17700.1
-20°	2952.7	2959.2	2903.9	2821.9	2792.7	2815.7	3006.8	3342.8	3964.0	6079.9	8663.7



REPORT NUMBER: P731450 (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°	2946.4	2965.3	2950.5	2956.3	2921.1	2867.4	2829.6	2976.3	3211.4	3587.6	4543.3
-25°	2945.8	2971.8	3082.1	3223.4	3208.7	3080.5	2946.3	2830.1	2964.6	3127.1	3364.3
-27.5°	2902.2	3070.8	3345.5	3553.9	3613.6	3473.2	3285.4	3090.1	3068.6	3063.5	3154.7
-30°	2887.9	3250.3	3574.3	3871.2	3913.1	3842.3	3755.4	3616.2	3466.7	3384.0	3339.9
-32.5°	2452.1	3329.4	3725.7	3992.8	4058.9	4055.8	4075.3	4009.3	3962.7	3909.2	3833.6
-35°	1861.6	2782.3	3752.4	3875.6	3983.2	4079.1	4207.5	4240.4	4266.3	4295.8	4322.2
-37.5°	1300.0	2017.7	2823.7	3526.9	3750.4	3917.3	4144.7	4311.6	4450.5	4519.3	4602.0
-40°	1076.9	1275.3	1899.7	2494.1	3079.7	3619.8	3864.8	4149.1	4415.0	4562.8	4698.0
-42.5°	1054.8	1125.4	1200.4	1615.0	2110.6	2620.4	3121.2	3575.3	4059.1	4381.6	4618.9
-45°	1061.9	1097.6	1141.4	1214.2	1291.9	1680.9	2100.5	2528.9	3057.6	3574.1	4024.9
-47.5°	1061.0	1093.6	1128.2	1163.5	1209.8	1282.4	1356.9	1478.1	1853.0	2249.4	2633.0
-50°	1024.3	1090.4	1122.8	1155.7	1189.4	1225.3	1262.9	1316.1	1379.5	1439.0	1487.1
-52.5°	931.5	1009.4	1084.3	1147.1	1178.0	1209.5	1243.0	1287.3	1328.9	1367.9	1388.2
-55°	826.6	904.2	980.0	1047.4	1111.1	1172.3	1229.2	1269.8	1311.4	1353.6	1371.0
-57.5°	706.0	784.3	859.6	922.5	985.9	1049.4	1108.4	1164.9	1221.3	1274.8	1304.6
-60°	577.7	643.0	710.5	774.9	836.7	895.3	950.2	1003.8	1055.1	1099.9	1128.2
-62.5°	451.6	503.1	560.0	615.9	670.1	722.5	773.1	821.3	866.8	905.2	931.8
-65°	345.7	384.1	423.3	463.6	504.9	549.9	592.4	632.6	670.3	701.4	724.6
-67.5°	234.8	268.0	299.7	329.6	359.8	391.7	423.9	454.3	482.5	505.5	523.5
-70°	141.1	161.9	182.0	203.5	227.8	251.0	273.7	295.3	315.4	331.1	342.9
-72.5°	76.9	84.4	94.4	110.9	126.2	140.3	153.3	165.0	175.5	184.2	191.3
-75°	46.8	50.6	56.7	62.6	68.2	73.6	78.8	83.5	87.8	91.4	94.4
-77.5°	35.8	37.8	39.8	41.6	43.3	45.2	47.0	48.7	50.3	51.7	53.0
-80°	28.6	29.8	30.9	31.9	32.9	34.1	35.2	36.4	37.5	38.3	39.0
-82.5°	21.9	22.9	24.0	24.9	25.8	26.4	27.1	27.7	28.3	28.9	29.5
-85°	16.6	17.3	18.1	18.9	19.7	20.0	20.2	20.4	20.5	20.9	21.4
-87.5°	13.6	14.0	14.4	14.8	15.2	15.5	15.9	16.3	16.7	17.0	17.4
-90°	1.4	1.1	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P731450 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.3	15.0
87.5°	0.3	0.0	0.7	1.4	0.7	0.0	0.3	0.7	1.0	1.4	1.3
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.7
77.5°	2.7	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.6
75°	2.8	2.8	3.5	4.2	3.5	2.8	2.8	2.8	2.8	2.9	3.4
72.5°	5.8	5.6	5.6	5.6	5.6	5.6	5.8	5.9	6.0	6.1	6.5
70°	9.0	9.5	9.7	9.7	9.7	9.5	9.0	8.6	8.2	8.3	9.1
67.5°	10.1	9.8	8.4	6.9	8.4	9.8	10.1	10.3	10.4	10.7	11.5
65°	8.5	8.4	7.7	6.9	7.7	8.4	8.5	8.7	9.0	9.9	11.4
62.5°	7.0	7.0	6.9	6.9	6.9	7.0	7.0	7.2	7.3	8.1	9.3
60°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.3	8.0
57.5°	7.7	8.1	8.3	8.3	8.3	8.1	7.7	7.2	6.9	7.3	7.7
55°	8.9	9.5	9.7	9.7	9.7	9.5	8.9	8.4	7.8	8.0	8.1
52.5°	10.1	9.9	10.2	11.1	10.2	9.9	10.1	10.2	10.0	9.7	9.6
50°	12.1	12.3	12.5	12.5	12.5	12.3	12.1	12.0	12.0	11.8	11.4
47.5°	15.4	15.3	15.2	15.3	15.2	15.3	15.4	15.2	15.2	15.0	14.0
45°	22.8	23.2	23.8	25.0	23.8	23.2	22.8	22.0	28.2	29.4	21.4
42.5°	36.0	36.8	37.2	37.5	37.2	36.8	36.0	34.5	53.3	70.8	79.1
40°	85.8	68.2	51.0	51.4	51.0	68.2	85.8	90.4	84.7	99.8	108.1
37.5°	98.5	89.6	86.0	84.8	86.0	89.6	98.5	112.1	109.3	85.5	100.8
35°	186.6	189.9	185.7	187.6	185.7	189.9	186.6	186.9	177.0	146.4	169.2
32.5°	459.5	478.1	471.5	473.8	471.5	478.1	459.5	446.8	407.0	370.0	355.9
30°	954.5	1011.9	1024.9	1021.2	1024.9	1011.9	954.5	918.5	829.2	761.3	670.8
27.5°	1542.0	1587.4	1596.8	1588.1	1596.8	1587.4	1542.0	1513.7	1443.7	1313.9	1133.6
25°	2179.5	2222.8	2247.2	2235.6	2247.2	2222.8	2179.5	2122.7	2020.0	1902.8	1755.3
22.5°	4055.8	4252.7	4348.6	4479.5	4348.6	4252.7	4055.8	3352.9	2745.8	2543.2	2336.4
20°	11961.3	13320.9	13063.3	12782.6	13063.3	13320.9	11961.3	7939.5	5834.4	3630.0	3004.7
17.5°	29856.9	36542.3	39725.7	38429.9	39725.7	36542.3	29856.9	21531.8	14831.5	7672.0	4513.0
15°	61066.1	79745.3	90666.8	87751.4	90666.8	79745.3	61066.1	42291.9	29205.4	17740.3	8154.1
12.5°	110621.7	140308.5	163051.4	166306.9	163051.4	140308.5	110621.7	78916.9	46015.1	29733.1	15871.8
10°	173970.0	228828.5	274037.6	288798.5	274037.6	228828.5	173970.0	121192.2	76844.9	42994.0	22037.4
7.5°	249478.2	322710.5	374849.3	389341.5	374849.3	322710.5	249478.2	167689.2	105281.3	61628.1	31170.1
5°	310036.7	394317.3	452055.0	469789.4	452055.0	394317.3	310036.7	212177.3	132780.9	76443.9	36915.4
2.5°	355396.8	443799.3	508183.1	537601.9	508183.1	443799.3	355396.8	248578.9	147739.0	81648.1	37872.2
0°	372968.6	462053.1	534249.9	576058.9	534249.9	462053.1	372968.6	264393.4	154487.8	85218.4	39409.4
-2.5°	355779.4	438603.0	494199.4	521615.3	494199.4	438603.0	355779.4	247428.6	148250.5	83929.8	38878.5
-5°	296197.8	369485.8	417430.0	436785.2	417430.0	369485.8	296197.8	203939.3	126058.1	73723.6	35905.4
-7.5°	212233.0	272393.5	308130.7	324439.0	308130.7	272393.5	212233.0	146959.6	95017.9	55515.2	28347.7
-10°	137885.7	171185.3	207218.1	214930.2	207218.1	171185.3	137885.7	94360.2	64614.1	37761.9	19017.6
-12.5°	77681.4	98694.0	116602.4	123065.4	116602.4	98694.0	77681.4	57315.8	35086.2	23648.5	12854.6
-15°	42028.2	54000.3	60451.0	62037.4	60451.0	54000.3	42028.2	30282.2	21458.6	13224.5	6667.8
-17.5°	24129.8	29880.8	33171.7	34682.6	33171.7	29880.8	24129.8	17700.1	11996.9	6763.0	4310.4
-20°	12894.3	16139.4	17992.2	19356.0	17992.2	16139.4	12894.3	8663.7	6079.9	3964.0	3342.8



REPORT NUMBER: P731450 (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°	5922.6	6922.8	7487.9	8126.7	7487.9	6922.8	5922.6	4543.3	3587.6	3211.4	2976.3
-25°	3570.3	3704.9	3786.0	3851.5	3786.0	3704.9	3570.3	3364.3	3127.1	2964.6	2830.1
-27.5°	3233.0	3277.1	3302.5	3329.0	3302.5	3277.1	3233.0	3154.7	3063.5	3068.6	3090.1
-30°	3301.9	3257.3	3241.8	3224.8	3241.8	3257.3	3301.9	3339.9	3384.0	3466.7	3616.2
-32.5°	3757.7	3670.9	3624.3	3580.5	3624.3	3670.9	3757.7	3833.6	3909.2	3962.7	4009.3
-35°	4312.0	4273.0	4252.5	4226.6	4252.5	4273.0	4312.0	4322.2	4295.8	4266.3	4240.4
-37.5°	4615.9	4609.0	4607.8	4594.8	4607.8	4609.0	4615.9	4602.0	4519.3	4450.5	4311.6
-40°	4713.6	4710.9	4704.2	4697.6	4704.2	4710.9	4713.6	4698.0	4562.8	4415.0	4149.1
-42.5°	4682.1	4724.0	4744.2	4744.9	4744.2	4724.0	4682.1	4618.9	4381.6	4059.1	3575.3
-45°	4312.2	4525.9	4650.2	4683.7	4650.2	4525.9	4312.2	4024.9	3574.1	3057.6	2528.9
-47.5°	2974.5	3275.9	3508.1	3654.2	3508.1	3275.9	2974.5	2633.0	2249.4	1853.0	1478.1
-50°	1529.0	1568.3	1607.8	1646.5	1607.8	1568.3	1529.0	1487.1	1439.0	1379.5	1316.1
-52.5°	1404.4	1420.8	1431.0	1436.7	1431.0	1420.8	1404.4	1388.2	1367.9	1328.9	1287.3
-55°	1386.7	1401.8	1409.3	1411.6	1409.3	1401.8	1386.7	1371.0	1353.6	1311.4	1269.8
-57.5°	1330.3	1351.5	1364.2	1370.0	1364.2	1351.5	1330.3	1304.6	1274.8	1221.3	1164.9
-60°	1151.8	1170.6	1183.4	1190.7	1183.4	1170.6	1151.8	1128.2	1099.9	1055.1	1003.8
-62.5°	953.9	971.4	981.2	985.1	981.2	971.4	953.9	931.8	905.2	866.8	821.3
-65°	743.8	758.9	774.3	786.4	774.3	758.9	743.8	724.6	701.4	670.3	632.6
-67.5°	538.7	550.9	564.4	575.2	564.4	550.9	538.7	523.5	505.5	482.5	454.3
-70°	352.2	358.9	369.9	379.3	369.9	358.9	352.2	342.9	331.1	315.4	295.3
-72.5°	197.0	201.3	209.4	216.7	209.4	201.3	197.0	191.3	184.2	175.5	165.0
-75°	96.9	98.9	99.7	100.0	99.7	98.9	96.9	94.4	91.4	87.8	83.5
-77.5°	54.2	55.3	55.5	55.6	55.5	55.3	54.2	53.0	51.7	50.3	48.7
-80°	39.6	40.1	40.9	41.7	40.9	40.1	39.6	39.0	38.3	37.5	36.4
-82.5°	30.0	30.5	30.6	30.6	30.6	30.5	30.0	29.5	28.9	28.3	27.7
-85°	21.8	22.2	22.2	22.2	22.2	22.2	21.8	21.4	20.9	20.5	20.4
-87.5°	17.7	18.1	18.1	18.1	18.1	18.1	17.7	17.4	17.0	16.7	16.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	14.6	14.3	13.9	13.6	13.2	12.9	12.5	12.2	11.8	11.5	11.1
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.6	1.8	1.9	2.0
82.5°	1.4	1.4	1.4	1.6	1.8	2.0	2.1	2.2	2.3	2.6	2.8
80°	2.0	2.2	2.3	2.6	2.8	3.0	3.2	3.0	2.9	2.8	2.9
77.5°	2.6	2.7	2.9	3.2	3.6	3.9	4.2	4.1	3.9	3.7	3.6
75°	3.8	4.0	4.2	4.4	4.4	4.2	4.3	4.6	4.7	4.7	4.5
72.5°	6.8	7.0	7.6	8.2	8.4	8.5	8.3	7.6	6.9	6.1	5.5
70°	9.8	10.3	11.8	13.9	15.3	15.9	15.7	14.4	11.9	10.1	8.6
67.5°	12.2	12.9	14.9	17.7	20.0	22.0	24.1	25.3	24.5	21.8	15.3
65°	13.0	14.6	16.2	17.6	19.9	23.3	29.6	33.0	34.2	33.4	26.3
62.5°	10.7	12.2	13.3	14.7	16.5	20.5	29.3	36.2	41.3	41.0	32.9
60°	8.9	9.7	10.4	11.4	12.7	17.0	25.4	35.0	45.9	42.7	36.1
57.5°	8.1	8.6	9.1	9.5	9.7	13.2	19.9	28.9	39.2	38.6	35.0
55°	8.2	8.8	9.3	9.6	9.8	11.6	14.5	20.1	28.2	30.2	28.9
52.5°	9.6	9.7	10.1	10.6	10.9	11.4	12.5	15.8	18.1	21.0	22.6
50°	11.0	11.0	10.9	11.0	11.5	11.9	12.3	13.5	15.0	16.0	16.6
47.5°	13.7	13.5	12.6	12.3	13.1	12.6	12.8	13.0	14.2	14.8	14.9
45°	23.3	22.3	17.1	17.5	17.6	17.1	15.1	16.3	15.4	15.3	15.3
42.5°	57.6	44.6	39.8	32.4	27.4	25.8	23.3	23.3	22.0	18.2	18.3
40°	87.5	71.6	61.5	56.0	46.7	39.2	39.9	33.1	31.2	27.1	26.0
37.5°	102.5	79.1	90.3	85.9	73.7	71.2	70.3	57.6	42.0	49.7	47.8
35°	153.0	144.4	153.9	147.7	121.3	142.8	129.1	100.1	82.4	87.1	79.9
32.5°	312.0	306.0	284.9	263.1	256.9	256.0	232.3	177.8	163.6	151.9	128.9
30°	586.4	543.3	491.2	461.9	451.9	414.7	371.0	379.6	311.7	236.4	194.1
27.5°	1011.6	856.4	780.7	812.8	712.0	629.1	668.7	705.7	526.5	384.2	287.2
25°	1559.6	1335.1	1322.3	1321.9	1168.2	1017.3	1081.6	1085.9	908.9	582.4	414.1
22.5°	2177.5	1954.6	1869.8	1962.9	1784.3	1649.0	1568.9	1510.9	1377.9	946.5	642.6
20°	2698.0	2502.0	2357.8	2361.8	2388.5	2277.1	2115.0	1960.5	1779.9	1420.5	933.5
17.5°	3322.2	2966.5	2724.4	2671.3	2783.4	2793.1	2596.2	2356.2	2168.2	1910.1	1266.4
15°	4303.5	3413.7	3051.1	2932.3	2999.3	3057.0	2969.3	2721.8	2537.9	2324.4	1653.6
12.5°	6859.6	3835.3	3326.0	3043.6	3032.6	3184.1	3218.6	3062.4	2825.5	2523.5	1925.8
10°	9226.2	4822.0	3595.9	3210.7	3088.0	3220.6	3314.9	3135.7	2874.2	2624.1	2159.1
7.5°	14341.8	6386.0	3861.0	3348.3	3131.6	3168.9	3249.3	3083.2	2889.4	2693.4	2353.2
5°	17957.2	7536.1	4028.6	3438.6	3161.2	3153.2	3206.9	2991.6	2877.9	2737.5	2507.5
2.5°	19993.8	8124.8	4123.1	3501.3	3186.5	3172.4	3204.4	2934.3	2855.9	2724.0	2531.8
0°	19182.3	7548.7	4077.9	3513.8	3205.4	3217.9	3238.7	2921.9	2830.2	2694.1	2519.0
-2.5°	19657.3	7977.2	4127.8	3513.1	3221.0	3228.2	3398.7	3058.9	2906.6	2723.8	2494.0
-5°	17209.3	7183.5	3955.9	3382.0	3136.8	3167.6	3360.4	3099.3	2912.6	2720.1	2430.1
-7.5°	13346.1	6029.4	3719.2	3220.2	3025.0	3079.7	3208.6	3016.8	2785.8	2605.6	2277.3
-10°	8507.9	4607.8	3433.6	3054.3	2919.2	3000.1	3085.1	2895.1	2652.2	2487.4	2100.9
-12.5°	5953.1	3657.7	3136.9	2871.9	2834.2	2980.0	3020.2	2760.6	2513.3	2368.3	1907.5
-15°	3921.7	3254.0	2946.2	2798.2	2807.2	2943.8	2974.3	2741.9	2538.7	2303.2	1703.1
-17.5°	3335.2	2967.6	2789.1	2770.7	2849.2	2921.6	2932.7	2794.0	2593.5	2262.1	1520.7
-20°	3006.8	2815.7	2792.7	2821.9	2903.9	2959.2	2952.7	2863.2	2618.4	2053.5	1317.2



REPORT NUMBER: P731450 (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°	2829.6	2867.4	2921.1	2956.3	2950.5	2965.3	2946.4	2865.3	2615.3	1763.5	1086.6
-25°	2946.3	3080.5	3208.7	3223.4	3082.1	2971.8	2945.8	2789.4	2243.1	1451.9	867.3
-27.5°	3285.4	3473.2	3613.6	3553.9	3345.5	3070.8	2902.2	2633.8	1797.4	1153.8	847.6
-30°	3755.4	3842.3	3913.1	3871.2	3574.3	3250.3	2887.9	2109.5	1413.4	910.4	826.0
-32.5°	4075.3	4055.8	4058.9	3992.8	3725.7	3329.4	2452.1	1597.8	1032.4	883.7	821.5
-35°	4207.5	4079.1	3983.2	3875.6	3752.4	2782.3	1861.6	1189.6	933.3	861.3	820.5
-37.5°	4144.7	3917.3	3750.4	3526.9	2823.7	2017.7	1300.0	1006.4	908.8	857.4	816.2
-40°	3864.8	3619.8	3079.7	2494.1	1899.7	1275.3	1076.9	982.7	918.4	851.5	810.1
-42.5°	3121.2	2620.4	2110.6	1615.0	1200.4	1125.4	1054.8	992.3	928.0	860.7	775.0
-45°	2100.5	1680.9	1291.9	1214.2	1141.4	1097.6	1061.9	1003.0	938.5	836.1	732.8
-47.5°	1356.9	1282.4	1209.8	1163.5	1128.2	1093.6	1061.0	1011.3	896.1	789.3	686.9
-50°	1262.9	1225.3	1189.4	1155.7	1122.8	1090.4	1024.3	939.6	831.1	727.7	631.3
-52.5°	1243.0	1209.5	1178.0	1147.1	1084.3	1009.4	931.5	846.8	752.1	654.9	564.6
-55°	1229.2	1172.3	1111.1	1047.4	980.0	904.2	826.6	745.0	659.4	571.3	488.1
-57.5°	1108.4	1049.4	985.9	922.5	859.6	784.3	706.0	630.1	558.8	481.1	407.4
-60°	950.2	895.3	836.7	774.9	710.5	643.0	577.7	514.0	452.5	395.7	338.7
-62.5°	773.1	722.5	670.1	615.9	560.0	503.1	451.6	406.6	361.9	314.8	261.8
-65°	592.4	549.9	504.9	463.6	423.3	384.1	345.7	306.3	266.0	224.5	180.2
-67.5°	423.9	391.7	359.8	329.6	299.7	268.0	234.8	200.7	172.5	145.9	116.3
-70°	273.7	251.0	227.8	203.5	182.0	161.9	141.1	119.8	97.5	83.0	71.2
-72.5°	153.3	140.3	126.2	110.9	94.4	84.4	76.9	69.1	60.3	50.6	43.1
-75°	78.8	73.6	68.2	62.6	56.7	50.6	46.8	43.8	40.9	38.2	35.6
-77.5°	47.0	45.2	43.3	41.6	39.8	37.8	35.8	33.9	32.4	30.8	29.2
-80°	35.2	34.1	32.9	31.9	30.9	29.8	28.6	27.4	26.1	24.9	23.7
-82.5°	27.1	26.4	25.8	24.9	24.0	22.9	21.9	21.1	20.3	19.6	18.9
-85°	20.2	20.0	19.7	18.9	18.1	17.3	16.6	16.4	16.1	15.9	15.6
-87.5°	15.9	15.5	15.2	14.8	14.4	14.0	13.6	13.5	13.4	13.3	13.1
-90°	0.0	0.0	0.0	0.4	0.7	1.1	1.4	1.4	1.4	1.4	1.4



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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°	10.8	10.4	10.1	9.7	9.7	9.7	9.7	9.7	9.0	8.3	7.6
87.5°	1.6	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.0	3.1
85°	2.1	2.3	2.5	2.8	2.8	2.8	2.8	2.8	3.1	3.3	3.4
82.5°	2.8	2.8	2.7	2.8	3.0	3.2	3.2	3.2	3.4	3.6	3.8
80°	3.1	3.2	3.3	3.2	3.3	3.5	3.7	3.8	3.9	4.0	4.2
77.5°	3.6	3.7	3.9	4.0	3.9	3.9	4.0	4.3	4.5	4.5	4.6
75°	4.2	4.1	4.1	4.3	4.3	4.2	4.1	4.3	4.6	5.0	5.0
72.5°	5.2	4.8	4.5	4.4	4.6	4.6	4.4	4.3	4.7	5.0	5.4
70°	7.1	5.9	5.3	5.0	5.0	5.1	5.0	4.8	4.7	5.1	5.4
67.5°	9.7	8.0	6.7	5.8	5.4	5.3	5.5	5.4	5.3	5.1	5.4
65°	18.8	12.6	8.2	7.0	6.1	5.6	5.6	5.9	5.8	5.6	5.5
62.5°	25.7	19.1	13.2	9.0	7.0	6.1	5.7	6.1	6.3	6.0	5.8
60°	30.3	23.1	17.8	12.9	8.9	6.8	6.2	6.4	6.6	6.5	6.2
57.5°	29.1	25.2	21.2	16.4	11.6	8.1	6.9	6.9	6.9	6.9	6.5
55°	25.5	22.3	23.3	19.7	14.3	9.9	8.0	7.5	7.4	7.3	6.9
52.5°	21.0	21.0	22.9	22.1	17.5	11.9	9.7	8.2	8.0	7.8	7.4
50°	17.0	20.0	22.8	23.4	20.5	15.4	11.2	9.4	8.6	8.3	7.8
47.5°	15.4	19.1	21.9	24.8	23.0	18.7	13.8	10.7	9.1	8.8	8.3
45°	17.1	18.5	21.4	24.1	25.7	21.2	16.6	11.9	10.2	9.3	8.8
42.5°	20.5	20.8	21.6	23.4	25.5	23.3	19.2	14.1	11.1	9.8	9.3
40°	25.8	25.2	23.3	25.2	25.5	25.1	21.0	16.3	12.0	10.4	9.8
37.5°	32.7	31.3	28.2	30.0	27.4	25.8	22.4	18.3	13.3	11.3	10.2
35°	59.1	39.1	44.1	41.6	34.0	27.0	23.6	19.9	15.3	12.2	10.6
32.5°	92.8	73.5	77.7	61.1	43.0	28.9	24.8	21.6	17.2	13.2	11.0
30°	155.8	154.4	128.7	86.0	57.1	37.3	27.4	23.6	19.1	14.1	11.5
27.5°	262.5	252.6	199.1	133.3	81.0	48.4	31.7	25.9	20.8	15.2	12.3
25°	372.1	354.6	294.4	197.5	108.5	75.2	36.7	28.5	22.6	16.7	13.0
22.5°	489.8	453.3	401.3	272.3	154.9	110.9	50.3	32.5	24.5	18.0	13.8
20°	605.7	550.8	509.3	336.6	212.6	152.3	76.0	36.8	26.6	19.3	14.5
17.5°	745.0	628.8	552.0	400.0	270.4	194.1	106.3	41.4	28.8	20.4	15.1
15°	963.3	680.6	589.8	455.9	320.4	235.9	140.3	46.1	31.0	21.5	15.8
12.5°	1162.0	728.8	627.1	504.4	363.5	277.4	176.6	50.9	33.2	22.5	16.3
10°	1348.0	773.1	663.3	545.9	400.4	318.1	213.9	55.7	35.2	23.5	16.8
7.5°	1516.6	813.4	697.8	580.8	428.8	344.1	237.1	60.3	37.1	24.3	17.2
5°	1643.6	843.1	723.7	596.5	436.0	353.0	254.5	64.7	38.9	25.1	17.5
2.5°	1655.7	858.1	743.0	605.1	440.8	359.1	267.7	68.7	40.4	25.8	17.9
0°	1631.2	868.4	758.6	608.6	443.2	362.6	276.5	72.2	41.7	26.4	18.1
-2.5°	1607.9	868.7	760.0	619.4	463.2	373.2	286.2	92.9	55.0	33.9	21.6
-5°	1555.5	865.2	757.4	625.9	480.2	381.6	292.1	112.6	67.8	41.1	24.9
-7.5°	1466.6	848.6	746.6	627.8	493.4	388.1	294.8	130.8	79.7	47.7	27.9
-10°	1348.1	822.7	725.5	618.0	499.6	396.5	295.8	147.2	90.4	53.7	30.7
-12.5°	1203.3	793.9	704.1	608.2	503.5	406.5	298.6	160.9	99.8	58.9	33.0
-15°	1033.2	762.7	683.2	599.8	506.3	414.5	298.6	172.2	108.3	63.8	34.9
-17.5°	845.1	729.4	664.0	593.9	508.4	420.7	296.2	180.9	115.2	68.5	37.1
-20°	805.8	713.9	648.0	591.5	510.3	424.9	291.4	186.8	120.4	72.1	39.2



REPORT NUMBER: P731450 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	792.9	715.5	653.1	589.7	511.9	427.4	284.6	189.8	123.7	74.2	40.4
-25°	777.7	718.6	661.0	589.4	511.6	415.4	281.4	189.7	125.1	74.9	40.6
-27.5°	774.9	723.7	668.1	583.6	502.8	401.6	280.1	190.6	125.0	74.0	39.8
-30°	779.9	729.7	661.1	572.0	490.1	378.9	274.7	189.1	123.8	72.7	38.0
-32.5°	781.8	735.2	644.1	555.0	465.9	355.2	262.1	184.8	120.4	70.5	37.0
-35°	778.8	716.3	620.6	533.4	437.2	336.4	247.3	177.7	114.7	66.7	35.8
-37.5°	772.2	682.4	592.5	505.0	408.0	314.8	234.0	166.4	106.8	61.3	34.0
-40°	733.7	646.7	560.0	472.6	380.4	290.4	218.0	153.2	98.5	54.3	31.4
-42.5°	693.1	608.0	523.0	439.2	350.7	269.8	199.6	137.6	87.8	49.0	28.1
-45°	647.6	564.9	482.0	399.7	319.2	246.5	179.5	120.2	75.3	44.4	25.5
-47.5°	597.6	516.5	435.3	356.1	289.5	220.3	156.5	104.3	61.5	38.8	24.4
-50°	541.5	461.9	382.9	315.5	254.4	191.2	132.2	86.6	53.7	32.1	23.2
-52.5°	479.3	399.6	333.8	275.0	215.9	159.0	110.0	68.3	45.1	28.7	21.8
-55°	408.3	343.5	287.6	229.9	174.3	129.1	85.9	57.3	35.7	26.8	20.2
-57.5°	347.1	291.3	234.7	180.6	136.4	98.2	67.7	45.3	31.5	24.6	19.2
-60°	284.1	228.8	176.8	136.8	100.6	72.9	52.9	35.7	28.8	22.6	18.1
-62.5°	210.9	164.9	129.5	95.8	72.4	54.6	39.2	32.3	25.8	21.2	16.9
-65°	146.1	113.6	84.4	67.8	51.6	39.4	34.8	28.7	23.9	19.8	15.8
-67.5°	88.0	73.7	59.1	44.5	38.4	34.5	30.2	26.2	22.3	18.3	15.2
-70°	58.9	46.2	40.0	36.8	33.3	29.8	27.3	24.3	20.5	17.3	14.5
-72.5°	40.1	37.2	34.3	31.4	28.9	26.7	24.8	22.3	19.1	16.2	13.7
-75°	33.1	31.1	29.1	27.0	25.1	23.5	22.2	20.4	17.6	15.1	12.7
-77.5°	27.6	25.9	24.1	22.8	21.8	20.8	19.7	18.3	16.0	13.8	11.6
-80°	22.6	21.6	20.6	19.7	18.9	18.1	17.4	16.6	14.5	12.5	10.4
-82.5°	18.3	17.8	17.4	16.9	16.5	16.0	15.5	14.9	13.0	11.1	9.4
-85°	15.4	15.1	14.8	14.5	14.2	13.9	13.6	13.2	11.6	10.2	8.8
-87.5°	12.9	12.6	12.4	12.1	12.0	11.8	11.6	11.5	10.3	9.3	8.2
-90°	1.4	1.4	1.4	1.4	1.8	2.1	2.5	2.8	2.8	2.8	2.8



REPORT NUMBER: P731450 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	6.9	6.2	5.6	4.9	4.2	4.2	4.2
87.5°	3.2	3.4	3.6	3.9	4.2	4.2	4.2
85°	3.5	3.6	3.7	3.9	4.2	4.3	4.2
82.5°	3.9	3.8	3.9	4.0	4.2	4.3	4.2
80°	4.2	4.1	4.0	4.0	4.2	4.3	4.2
77.5°	4.6	4.3	4.1	4.1	4.2	4.4	4.2
75°	5.0	4.6	4.2	4.1	4.2	4.4	4.2
72.5°	5.3	4.9	4.5	4.2	4.2	4.4	4.2
70°	5.6	5.2	4.7	4.2	4.3	4.5	4.2
67.5°	5.6	5.5	4.9	4.4	4.3	4.5	4.2
65°	5.7	5.6	5.2	4.6	4.3	4.5	4.2
62.5°	5.8	5.7	5.4	4.7	4.3	4.6	4.2
60°	5.8	5.9	5.6	4.9	4.4	4.6	4.2
57.5°	6.2	6.0	5.7	5.1	4.5	4.6	4.2
55°	6.5	6.1	5.9	5.2	4.7	4.7	4.2
52.5°	6.8	6.3	6.0	5.4	4.8	4.7	4.2
50°	7.2	6.6	6.1	5.5	4.9	4.8	4.2
47.5°	7.5	6.8	6.3	5.6	5.0	4.8	4.2
45°	7.9	7.1	6.4	5.7	5.2	4.8	4.2
42.5°	8.4	7.4	6.6	5.9	5.3	4.9	4.2
40°	8.9	7.6	6.8	6.0	5.4	4.9	4.2
37.5°	9.3	7.9	7.0	6.2	5.5	5.0	4.2
35°	9.8	8.2	7.2	6.4	5.7	5.0	4.2
32.5°	10.3	8.6	7.4	6.5	5.8	5.1	4.2
30°	10.6	9.0	7.5	6.7	5.9	5.1	4.2
27.5°	11.0	9.3	7.8	6.9	6.0	5.2	4.2
25°	11.3	9.7	8.0	7.0	6.1	5.2	4.2
22.5°	11.6	10.0	8.2	7.2	6.2	5.2	4.2
20°	11.9	10.3	8.4	7.3	6.3	5.3	4.2
17.5°	12.2	10.5	8.6	7.5	6.4	5.3	4.2
15°	12.4	10.7	8.8	7.6	6.5	5.4	4.2
12.5°	12.7	10.8	9.0	7.7	6.6	5.4	4.2
10°	13.0	10.9	9.1	7.9	6.6	5.5	4.2
7.5°	13.2	11.0	9.3	8.0	6.7	5.5	4.2
5°	13.5	11.1	9.4	8.1	6.8	5.5	4.2
2.5°	13.7	11.1	9.6	8.2	6.8	5.6	4.2
0°	13.9	11.1	9.7	8.3	6.9	5.6	4.2
-2.5°	15.2	11.7	9.9	8.4	7.0	5.6	4.2
-5°	16.4	12.3	10.2	8.5	7.0	5.7	4.2
-7.5°	17.6	12.9	10.4	8.5	7.1	5.7	4.2
-10°	18.6	13.4	10.6	8.6	7.1	5.7	4.2
-12.5°	19.5	13.8	10.7	8.7	7.1	5.7	4.2
-15°	20.3	14.2	10.9	8.7	7.2	5.7	4.2
-17.5°	21.0	14.5	11.0	8.7	7.2	5.7	4.2
-20°	21.7	14.8	11.1	8.8	7.2	5.7	4.2



REPORT NUMBER: P731450 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-40-70-1S-CV1

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	22.4	14.9	11.1	8.8	7.2	5.7	4.2
-25°	22.8	15.1	11.1	8.8	7.2	5.7	4.2
-27.5°	22.7	15.1	11.1	8.8	7.2	5.7	4.2
-30°	22.2	15.1	11.0	8.8	7.2	5.7	4.2
-32.5°	21.3	15.0	11.0	8.8	7.2	5.7	4.2
-35°	20.8	14.8	10.9	8.7	7.2	5.7	4.2
-37.5°	20.5	14.6	10.9	8.7	7.2	5.6	4.2
-40°	20.0	14.4	10.7	8.7	7.2	5.6	4.2
-42.5°	19.4	14.2	10.6	8.6	7.1	5.6	4.2
-45°	18.7	13.9	10.6	8.6	7.1	5.5	4.2
-47.5°	17.8	13.5	10.5	8.6	7.0	5.5	4.2
-50°	17.2	13.1	10.4	8.5	7.0	5.4	4.2
-52.5°	16.6	12.6	10.3	8.4	6.9	5.4	4.2
-55°	15.8	12.3	10.2	8.3	6.9	5.3	4.2
-57.5°	15.0	12.1	10.0	8.2	6.8	5.2	4.2
-60°	14.2	11.8	9.8	8.0	6.7	5.2	4.2
-62.5°	13.7	11.5	9.5	7.8	6.6	5.1	4.2
-65°	13.3	11.2	9.2	7.7	6.4	5.0	4.2
-67.5°	12.8	10.7	8.9	7.5	6.2	5.0	4.2
-70°	12.2	10.1	8.5	7.2	6.0	4.9	4.2
-72.5°	11.4	9.5	8.1	7.0	5.8	4.8	4.2
-75°	10.4	8.9	7.6	6.7	5.6	4.7	4.2
-77.5°	9.4	8.2	7.3	6.4	5.4	4.6	4.2
-80°	8.4	7.7	6.9	6.1	5.1	4.6	4.2
-82.5°	8.0	7.3	6.6	5.8	4.9	4.5	4.2
-85°	7.6	7.0	6.3	5.5	4.7	4.4	4.2
-87.5°	7.3	6.6	5.9	5.2	4.4	4.3	4.2
-90°	2.8	3.2	3.5	3.9	4.2	4.2	4.2

(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

