

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: P731547 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-1S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731547 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-70-1S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

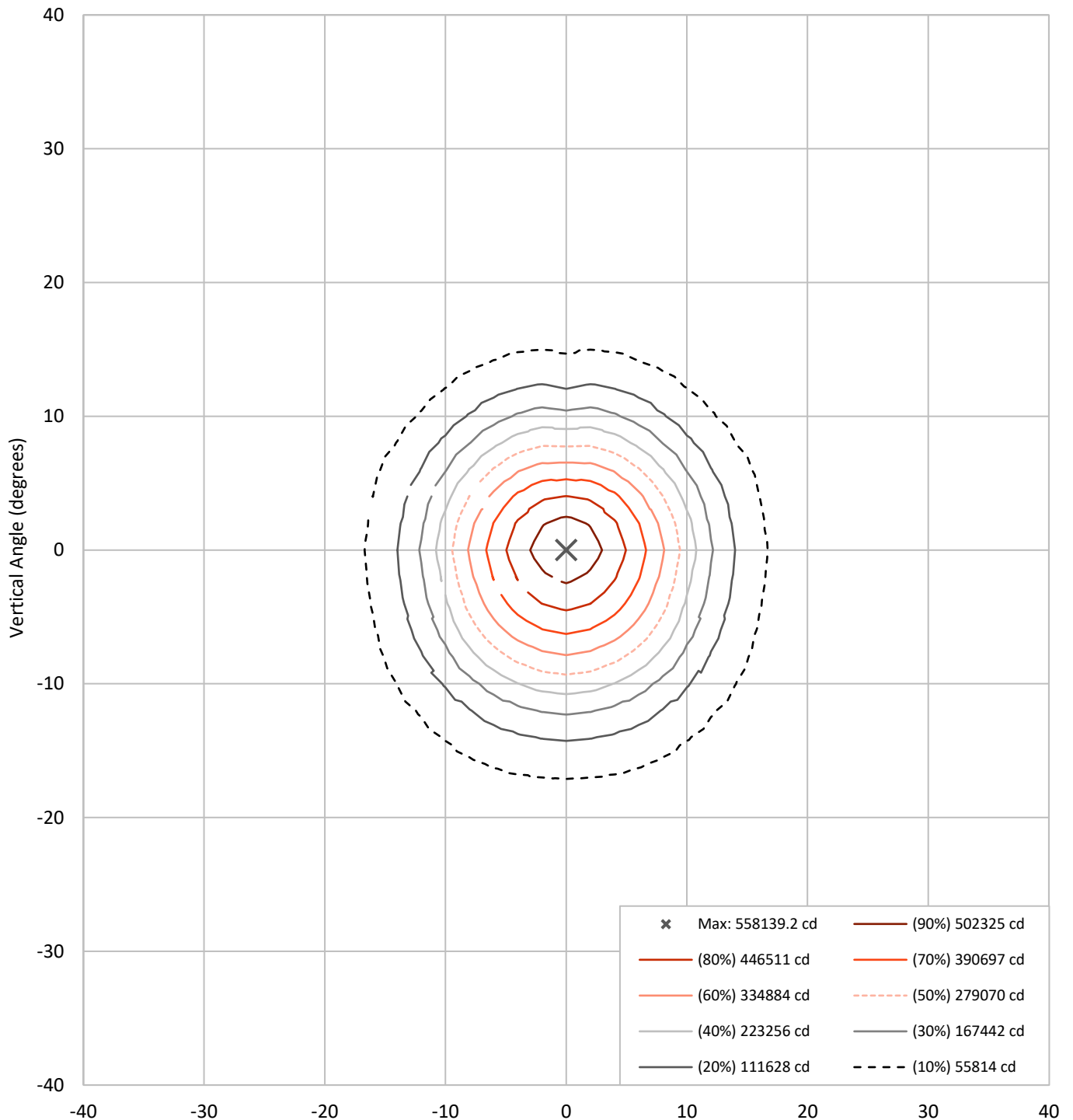
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	64348.6 lumens	Max Intensity:	558139.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	111.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 17.1°V	Field Angle (10%):	33.2°H x 31.5°V
Beam Lumens:	29640.5 lumens	Field Lumens:	54483.7 lumens
Beam Efficiency:	46.1%	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





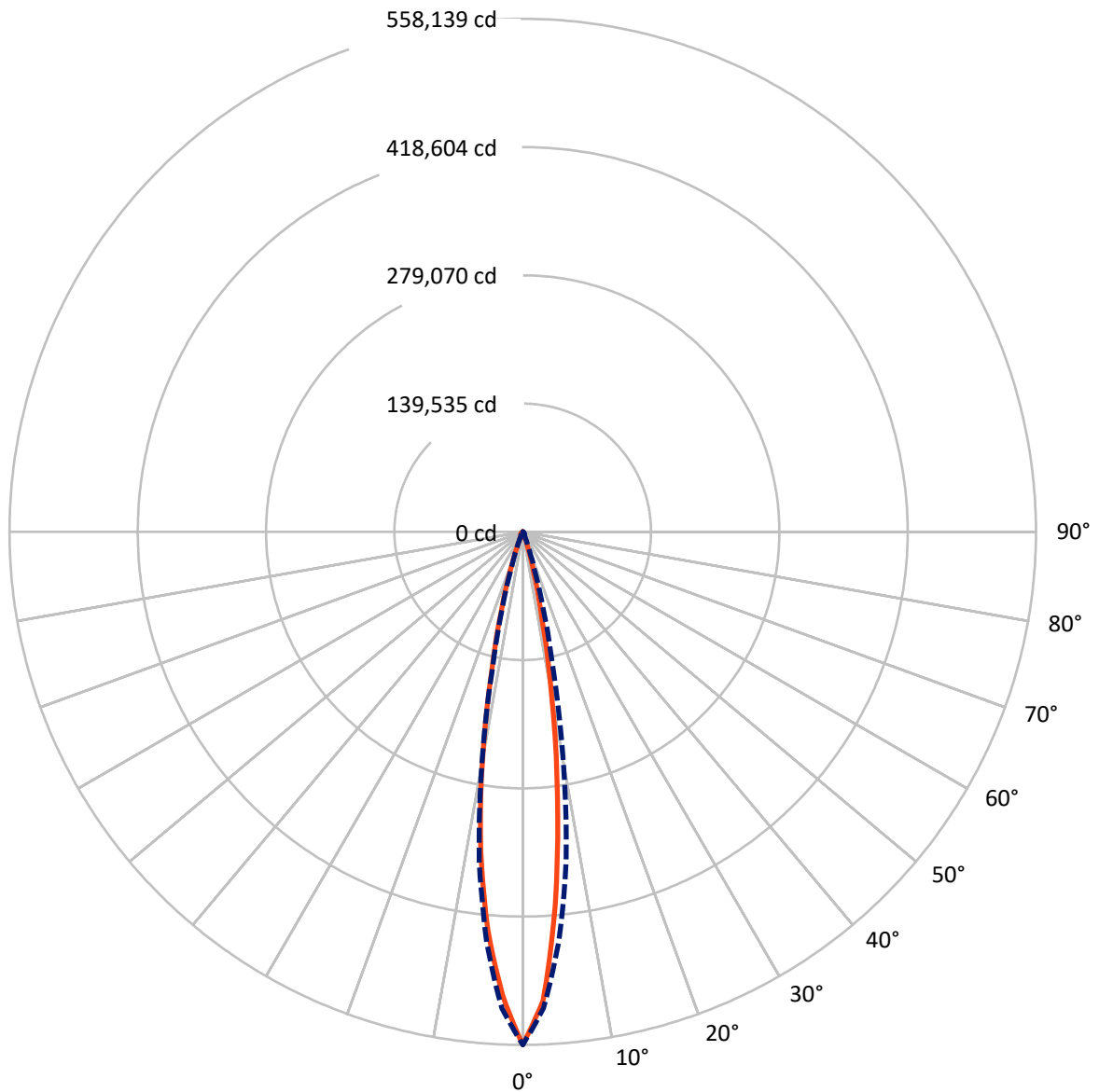
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Lumen Table

90	0.1		0.4		0.5		0.5		0.5		0.5		0.4		0.1	
80	0.1		0.4		0.5		0.5		0.5		0.5		0.4		0.1	
70	0.2	0.1	0.1	0.5	0.6	0.4	0.2	0.2	0.2	0.2	0.4	0.6	0.5	0.1	0.1	0.2
60		0.1	0.3	0.5	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.5	0.3	0.1	
50	0.2	0.1	0.4	0.4	0.5	0.7	0.9	1.1	1.1	0.9	0.7	0.5	0.4	0.4	0.1	0.2
40		0.2	0.7	1.4	3.1	4.9	5.2	6.0	6.0	5.2	4.9	3.1	1.4	0.7	0.2	
30	0.2	0.4	2.3	7.8	20.8	25.3	33.4	62.3	62.3	33.4	25.3	20.8	7.8	2.3	0.4	0.2
20		0.8	5.0	20.3	44.3	62.2	424.9	1708.8	1708.8	424.9	62.2	44.3	20.3	5.0	0.8	
10	0.3	1.5	8.5	39.2	66.9	155.0	2220.2	9581.7	9581.7	2220.2	155.0	66.9	39.2	8.5	1.5	0.3
0		2.4	11.3	46.2	77.3	153.8	2408.7	10255.0	10255.0	2408.7	153.8	77.3	46.2	11.3	2.4	
-10	0.4	2.7	11.6	43.4	82.3	96.6	698.6	2645.6	2645.6	698.6	96.6	82.3	43.4	11.6	2.7	0.4
-20		2.6	10.1	24.0	62.7	77.8	94.9	175.5	175.5	94.9	77.8	62.7	24.0	10.1	2.6	
-30	0.4	2.2	7.6	14.1	34.9	66.3	79.3	82.2	82.2	79.3	66.3	34.9	14.1	7.6	2.2	0.4
-40		1.4	5.2	11.1	17.9	32.4	59.2	81.8	81.8	59.2	32.4	17.9	11.1	5.2	1.4	
-50	0.2	0.7	3.0	7.5	13.7	19.5	24.2	27.1	27.1	24.2	19.5	13.7	7.5	3.0	0.7	0.2
-60		0.3	1.0	3.4	7.3	11.9	16.6	19.6	19.6	16.6	11.9	7.3	3.4	1.0	0.3	
-70	0.2	0.7	3.0	7.5	13.7	19.5	24.2	27.1	27.1	24.2	19.5	13.7	7.5	3.0	0.7	0.2
-80		0.3	1.0	3.4	7.3	11.9	16.6	19.6	19.6	16.6	11.9	7.3	3.4	1.0	0.3	
-90	0.2		0.8		2.6		6.5		9.6		6.5		2.6		0.8	

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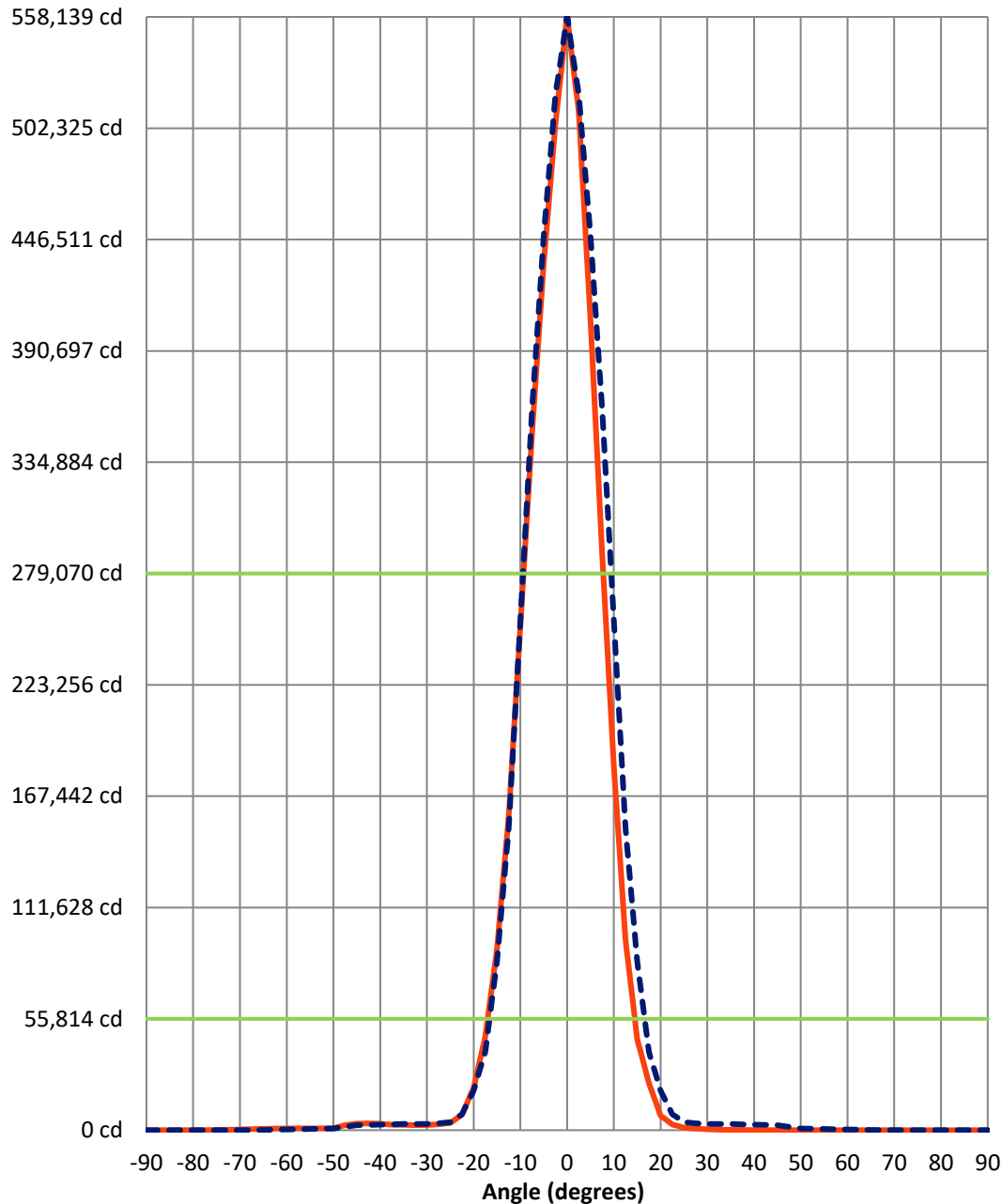
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.9°
 V Angle: 17.1°
 Lumens: 29640.5
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 31.5°
 Lumens: 54483.7
 Efficiency: 84.7%

Spill:
 Lumens: 9864.9
 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°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.2	7.6	7.9	8.2
87.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.6	6.2	5.9	5.5
85°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.6	6.2	5.9	5.5
82.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.6	6.2	6.0	5.9
80°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.6	6.5	6.4	6.5
77.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.7	6.8	6.9
75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.9	6.9	6.9
72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
70°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0
67.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.1	7.1
65°	6.9	6.9	6.9	6.9	6.9	6.9	7.0	6.9	7.2	7.3	7.2
62.5°	6.9	6.9	6.9	6.9	6.9	7.0	7.1	7.1	7.5	7.5	7.2
60°	6.9	6.9	6.9	6.9	6.9	7.2	7.1	7.5	7.8	7.6	7.3
57.5°	6.9	6.9	6.9	6.9	7.0	7.3	7.4	7.8	7.9	7.6	7.4
55°	6.9	6.9	6.9	6.9	7.2	7.4	7.6	8.2	8.0	7.7	7.4
52.5°	6.9	6.9	6.9	6.9	7.3	7.6	7.9	8.2	8.1	7.8	7.5
50°	6.9	6.9	6.9	6.9	7.4	7.7	8.1	8.2	8.1	7.9	8.4
47.5°	6.9	6.9	6.9	6.9	7.6	7.8	8.2	8.2	8.2	7.9	9.3
45°	6.9	6.9	6.9	7.0	7.7	8.0	8.2	8.2	8.2	8.5	10.0
42.5°	6.9	6.9	6.9	7.2	7.9	8.1	8.2	8.3	8.3	9.0	10.8
40°	6.9	6.9	6.9	7.3	8.0	8.1	8.2	8.4	8.6	9.4	11.6
37.5°	6.9	6.9	6.9	7.4	8.1	8.2	8.2	8.5	9.0	9.9	12.2
35°	6.9	6.9	6.9	7.5	8.1	8.2	8.2	8.7	9.4	10.9	12.6
32.5°	6.9	6.9	6.9	7.6	8.2	8.2	8.2	8.9	9.7	12.1	14.2
30°	6.9	6.9	6.9	7.7	8.2	8.2	8.4	9.1	10.1	13.4	16.0
27.5°	6.9	6.9	6.9	7.8	8.2	8.2	8.5	9.4	10.7	14.9	18.1
25°	6.9	6.9	6.9	7.8	8.2	8.2	8.7	9.7	11.8	16.5	20.5
22.5°	6.9	6.9	6.9	7.9	8.2	8.2	8.9	10.0	13.0	18.4	24.0
20°	6.9	6.9	6.9	8.0	8.2	8.3	9.1	10.2	14.2	20.3	27.5
17.5°	6.9	6.9	6.9	8.0	8.2	8.5	9.3	10.5	15.4	22.3	30.8
15°	6.9	6.9	6.9	8.1	8.2	8.6	9.6	10.8	16.7	24.4	33.9
12.5°	6.9	6.9	6.9	8.1	8.2	8.8	9.9	11.3	18.0	26.5	36.9
10°	6.9	6.9	6.9	8.1	8.2	8.9	10.1	11.8	19.2	29.0	41.2
7.5°	6.9	6.9	6.9	8.2	8.2	9.1	10.4	12.3	20.4	31.5	49.0
5°	6.9	6.9	6.9	8.2	8.2	9.3	10.6	12.8	21.5	34.0	57.0
2.5°	6.9	6.9	6.9	8.2	8.2	9.4	10.8	13.3	22.5	36.3	65.0
0°	6.9	6.9	6.9	8.2	8.2	9.6	11.0	13.7	23.3	38.4	72.7
-2.5°	6.9	6.9	7.0	8.2	8.3	9.7	11.7	16.5	29.4	49.9	92.1
-5°	6.9	6.9	7.0	8.2	8.4	9.9	12.4	19.1	35.3	60.8	110.3
-7.5°	6.9	6.9	7.1	8.2	8.6	10.0	13.0	21.6	40.6	70.9	126.9
-10°	6.9	6.9	7.1	8.2	8.7	10.1	13.6	23.7	45.4	79.9	141.5
-12.5°	6.9	6.9	7.2	8.1	8.8	10.2	14.1	25.5	49.4	87.8	152.9
-15°	6.9	6.9	7.2	8.1	8.8	10.3	14.4	26.8	53.7	96.1	161.9
-17.5°	6.9	6.9	7.3	8.1	8.9	10.3	14.6	28.9	58.7	103.1	168.6
-20°	6.9	6.9	7.3	8.1	8.9	10.4	15.1	31.2	62.5	108.5	173.0



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.9	6.9	7.3	8.1	8.9	10.4	16.0	32.6	64.9	112.2	175.0
-25°	6.9	6.9	7.3	8.1	8.9	10.7	16.5	33.2	65.9	114.1	174.5
-27.5°	6.9	6.9	7.4	8.1	8.9	11.0	16.6	32.7	65.3	114.6	176.0
-30°	6.9	6.9	7.4	8.1	8.9	11.2	16.3	31.1	64.4	113.8	175.3
-32.5°	6.9	6.9	7.4	8.1	8.9	11.3	15.5	30.4	62.6	110.9	172.2
-35°	6.9	6.9	7.4	8.1	9.0	11.4	15.2	29.4	59.2	105.7	166.5
-37.5°	6.9	6.9	7.4	8.1	8.9	11.4	15.3	27.8	54.3	98.3	151.8
-40°	6.9	6.9	7.3	8.2	8.9	11.3	15.2	25.4	47.7	90.6	136.0
-42.5°	6.9	6.9	7.3	8.2	8.9	11.2	14.9	22.2	42.7	78.7	119.0
-45°	6.9	6.9	7.3	8.3	9.0	11.1	14.5	19.8	38.2	65.6	101.4
-47.5°	6.9	6.9	7.2	8.3	9.0	10.9	14.0	19.2	32.7	51.9	85.9
-50°	6.9	6.9	7.2	8.2	9.0	10.6	13.6	18.3	25.7	43.9	69.6
-52.5°	6.9	6.9	7.1	8.1	9.0	10.3	13.2	17.2	22.4	35.6	53.3
-55°	6.9	6.9	7.1	8.0	8.9	10.2	12.7	16.0	20.7	26.9	43.5
-57.5°	6.9	6.9	7.0	7.9	8.8	10.0	12.1	15.3	18.9	23.3	33.3
-60°	6.9	6.9	6.9	7.7	8.7	9.8	11.5	14.3	17.3	21.2	25.3
-62.5°	6.9	6.9	6.9	7.6	8.5	9.5	11.1	13.4	16.2	19.1	23.0
-65°	6.9	6.9	6.9	7.5	8.3	9.3	10.6	12.5	15.0	17.6	20.5
-67.5°	6.9	6.9	6.9	7.3	8.2	9.0	10.1	11.8	13.8	16.3	18.8
-70°	6.9	6.9	6.9	7.2	8.0	8.7	9.6	11.1	12.9	15.0	17.3
-72.5°	6.9	6.9	6.9	7.2	7.8	8.5	9.2	10.3	11.9	13.7	15.7
-75°	6.9	6.9	6.9	7.1	7.5	8.2	8.9	9.8	10.9	12.5	14.2
-77.5°	6.9	6.9	6.9	7.1	7.4	7.9	8.6	9.3	10.2	11.3	12.6
-80°	6.9	6.9	6.9	7.1	7.3	7.7	8.2	8.8	9.6	10.4	11.4
-82.5°	6.9	6.9	6.9	7.0	7.2	7.5	7.9	8.4	8.9	9.6	10.3
-85°	6.9	6.9	6.9	7.0	7.1	7.3	7.6	8.0	8.5	8.9	9.4
-87.5°	6.9	6.9	6.9	6.9	7.0	7.1	7.2	7.6	8.0	8.4	8.8
-90°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.6	6.2	5.9	5.5



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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°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	5.5	5.5	5.5	5.5	5.2	4.8	4.5	4.1	4.1	4.1	4.1
85°	5.5	5.5	5.5	5.5	5.2	4.8	4.5	4.1	4.1	4.1	4.1
82.5°	5.9	5.9	5.7	5.5	5.2	4.8	4.5	4.3	4.3	4.3	4.2
80°	6.4	6.2	5.9	5.6	5.3	5.2	5.2	5.3	5.1	4.9	4.5
77.5°	6.6	6.3	5.9	5.6	5.5	5.7	5.7	5.6	5.2	4.9	4.5
75°	6.7	6.3	6.2	6.2	6.2	6.2	6.0	5.6	5.4	5.3	5.3
72.5°	6.7	6.6	6.7	6.9	6.7	6.4	6.0	5.7	6.0	6.7	7.2
70°	6.8	6.9	6.9	6.9	6.8	6.6	6.9	7.8	8.9	10.3	12.7
67.5°	6.9	6.9	6.9	6.9	6.9	7.3	8.3	13.4	19.3	21.9	23.0
65°	6.9	6.9	6.9	6.9	6.9	10.7	16.3	23.3	30.5	31.9	31.0
62.5°	6.9	6.9	6.9	7.9	11.1	16.2	22.8	30.2	38.8	39.1	34.2
60°	7.0	6.9	8.2	11.3	15.1	20.1	27.5	33.6	40.0	42.7	32.7
57.5°	7.1	7.9	10.8	14.4	18.4	22.2	26.6	32.5	35.6	36.0	26.6
55°	7.7	9.7	13.1	17.2	20.4	20.2	23.4	26.1	27.1	25.6	18.3
52.5°	9.0	11.4	15.4	19.2	20.5	19.0	18.3	20.0	19.3	16.5	13.5
50°	10.2	13.4	17.5	20.7	20.5	17.5	14.8	15.6	14.9	13.0	11.0
47.5°	11.6	15.2	20.0	22.1	19.6	17.6	15.1	14.4	13.6	13.9	12.4
45°	12.9	16.9	22.2	21.7	20.1	19.3	17.5	15.0	17.4	17.8	17.4
42.5°	14.0	18.4	22.1	21.7	22.8	22.3	20.7	21.8	23.1	24.2	24.8
40°	15.0	19.5	22.5	25.7	26.3	26.1	28.4	30.3	30.5	32.5	34.1
37.5°	15.7	20.6	25.3	32.9	30.4	32.9	37.3	41.2	43.4	41.7	46.7
35°	16.1	22.4	34.2	42.2	40.0	42.0	49.0	56.8	64.4	60.0	68.6
32.5°	17.3	25.0	45.7	52.8	60.6	61.0	62.2	83.7	100.2	107.5	111.6
30°	20.4	35.4	58.4	65.1	89.5	94.6	93.7	120.4	150.6	222.8	278.1
27.5°	24.6	48.2	70.1	90.6	125.2	134.1	146.8	177.5	270.4	407.6	562.9
25°	28.8	64.8	83.1	125.1	163.6	181.9	203.8	250.1	437.9	745.5	858.1
22.5°	37.7	83.4	103.9	164.3	206.0	231.1	270.9	383.8	643.4	1116.0	1146.3
20°	52.0	100.7	134.3	201.5	252.3	279.8	337.8	522.6	871.8	1216.1	1350.1
17.5°	67.0	119.9	167.6	238.9	302.4	341.5	412.9	654.5	1049.6	1345.6	1503.5
15°	82.5	140.5	198.3	280.3	357.1	418.9	561.3	832.8	1173.0	1498.6	1725.7
12.5°	98.1	162.1	226.5	324.5	415.8	496.1	740.9	1127.4	1442.4	1704.3	2004.3
10°	113.3	184.0	252.2	370.1	477.1	572.6	938.4	1444.8	1755.2	1986.2	2249.1
7.5°	150.1	217.8	280.8	415.7	539.3	647.4	1144.7	1773.4	2039.5	2227.6	2425.6
5°	191.7	263.0	335.9	483.7	607.0	718.9	1345.6	2100.0	2300.4	2436.9	2560.1
2.5°	232.8	306.6	389.7	551.3	674.5	784.7	1515.0	2312.7	2484.4	2614.3	2712.5
0°	271.5	348.3	441.5	614.3	737.7	846.0	1660.5	2492.8	2647.7	2778.0	2895.9
-2.5°	293.1	382.0	480.4	638.3	744.9	849.8	1547.1	2431.4	2662.7	2836.4	3012.4
-5°	310.1	413.1	516.3	658.6	749.9	850.1	1414.4	2325.5	2680.5	2896.5	3111.6
-7.5°	322.1	440.8	549.2	675.1	756.1	853.5	1407.3	2363.0	2787.5	2983.2	3194.2
-10°	327.4	451.2	555.9	678.5	763.4	857.2	1389.7	2345.6	2890.6	3073.5	3262.9
-12.5°	317.2	446.2	554.0	677.4	769.5	856.9	1318.6	2267.2	2993.5	3172.4	3296.7
-15°	305.3	438.9	547.4	671.6	774.7	852.5	1186.6	2123.9	3012.1	3126.8	3249.4
-17.5°	292.7	429.5	535.7	661.2	779.2	844.0	977.9	1762.1	2701.5	2977.0	3171.9
-20°	279.9	418.1	518.5	645.8	779.7	815.7	883.9	1414.3	2205.9	2761.6	3018.3



REPORT NUMBER: P731547 (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°	267.7	404.8	499.1	625.0	728.1	773.2	823.0	1091.6	1688.6	2484.3	2746.9
-25°	262.1	384.4	481.2	581.5	675.3	728.6	757.3	830.8	1263.5	1961.0	2445.9
-27.5°	260.0	366.7	454.4	539.5	629.7	680.4	702.7	757.0	991.6	1456.6	2111.6
-30°	254.8	339.8	426.1	501.5	584.4	633.6	651.8	699.5	779.8	1116.8	1591.9
-32.5°	239.5	311.9	394.9	468.9	541.0	597.7	622.1	665.5	723.3	826.1	1167.0
-35°	220.4	288.2	362.5	435.3	501.4	563.3	606.3	637.6	676.9	728.8	896.2
-37.5°	203.5	263.3	329.8	400.2	463.9	527.4	588.4	617.1	647.9	687.5	757.6
-40°	185.0	237.4	300.2	364.4	426.8	488.6	547.9	599.5	624.0	664.9	713.1
-42.5°	165.2	215.4	271.0	328.6	388.3	446.7	505.2	560.2	613.0	645.4	683.9
-45°	145.2	191.7	241.5	295.5	348.7	403.4	458.2	514.7	580.0	636.6	664.8
-47.5°	123.9	167.0	213.9	261.6	310.8	360.2	410.1	471.0	536.3	597.5	656.8
-50°	102.6	142.4	185.4	230.3	274.1	318.5	364.0	427.5	490.6	550.2	606.9
-52.5°	83.6	116.5	157.2	199.8	240.0	279.4	326.1	384.1	444.2	503.2	557.0
-55°	63.8	93.7	127.6	167.6	207.7	243.6	288.7	341.6	396.1	452.7	505.6
-57.5°	49.1	71.1	100.2	133.2	171.5	211.3	254.9	299.0	348.6	399.9	446.8
-60°	37.3	52.4	74.0	101.8	131.9	171.3	218.6	262.2	303.9	344.9	388.7
-62.5°	26.8	38.8	53.1	71.7	97.6	128.1	168.1	213.1	261.4	296.9	331.5
-65°	24.1	27.7	37.5	50.8	64.4	89.6	119.7	153.4	194.1	230.2	267.2
-67.5°	21.4	24.7	27.9	33.0	45.1	58.6	72.7	99.6	129.1	154.2	180.3
-70°	19.4	21.7	24.6	27.6	30.7	36.7	48.6	61.0	73.2	87.2	108.4
-72.5°	17.5	19.4	21.5	24.0	26.8	29.8	33.1	36.6	43.8	52.8	61.5
-75°	15.6	16.9	18.5	20.4	22.6	25.0	27.6	30.4	32.9	35.2	37.4
-77.5°	13.6	14.6	15.7	16.9	18.3	20.0	21.9	24.0	25.9	27.7	29.3
-80°	11.8	12.3	13.0	13.9	14.9	16.0	17.1	18.2	19.2	20.4	21.8
-82.5°	10.4	10.6	10.8	11.2	11.9	12.7	13.4	14.3	14.9	15.5	16.2
-85°	9.2	8.9	8.8	8.8	9.4	10.1	10.7	11.3	11.5	11.8	12.0
-87.5°	8.7	8.6	8.4	8.2	8.4	8.6	8.9	9.2	9.2	9.3	9.3
-90°	5.5	5.5	5.5	5.5	5.2	4.8	4.5	4.1	4.1	4.1	4.1



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.2	8.6	8.9	9.2	9.6	10.3	10.9	11.6	12.3	17.4	22.6
87.5°	4.1	3.8	3.4	3.1	2.7	2.4	2.1	1.7	1.4	1.4	1.4
85°	4.1	3.8	3.4	3.1	2.7	2.4	2.1	1.7	1.4	1.4	1.4
82.5°	4.1	3.8	3.4	3.1	2.7	2.4	2.1	1.7	1.4	1.4	1.4
80°	4.2	3.8	3.5	3.1	2.7	2.6	2.6	2.5	2.5	2.3	2.0
77.5°	4.3	4.1	3.9	3.7	3.5	3.4	3.2	3.0	2.7	2.4	2.1
75°	5.4	5.4	5.2	4.8	4.3	3.8	3.5	3.1	2.8	2.7	2.6
72.5°	7.5	7.4	6.9	6.7	6.1	5.7	5.5	5.3	5.0	5.0	5.2
70°	14.0	14.3	13.7	12.3	10.5	9.3	8.7	7.9	6.9	6.8	7.2
67.5°	22.1	20.3	18.7	16.8	14.3	12.3	11.2	10.2	9.3	9.0	9.3
65°	27.9	22.1	18.9	16.6	14.9	13.3	11.9	10.6	9.3	8.6	8.4
62.5°	27.9	20.0	16.1	14.2	12.9	11.9	10.1	8.6	7.2	6.4	6.4
60°	24.0	16.4	12.1	10.5	9.2	8.2	7.4	6.6	5.9	5.5	5.6
57.5°	18.3	11.8	8.2	8.0	7.7	7.2	6.8	6.5	6.0	5.5	5.8
55°	12.7	9.8	8.3	8.4	8.6	8.4	7.9	7.3	6.8	6.4	6.7
52.5°	10.2	9.9	10.3	10.5	9.7	8.9	8.2	8.1	8.3	8.5	8.9
50°	10.8	11.3	11.4	10.8	10.3	9.9	9.5	9.9	10.6	11.1	11.5
47.5°	12.5	13.1	13.5	12.2	12.3	13.1	12.6	12.8	15.3	17.3	18.7
45°	16.5	18.5	18.8	19.0	18.8	20.7	21.8	22.8	28.0	30.0	29.9
42.5°	25.3	28.3	30.3	32.3	30.8	36.3	44.3	49.7	48.3	46.4	47.0
40°	38.2	43.8	51.7	56.0	60.7	67.0	69.2	60.0	58.5	66.0	66.7
37.5°	58.1	73.1	90.0	102.9	105.1	102.2	99.0	97.5	99.6	104.6	112.0
35°	95.5	131.1	146.7	154.7	159.7	144.6	138.9	144.4	139.7	153.5	158.2
32.5°	169.3	215.1	228.5	234.5	246.9	231.8	198.2	238.0	222.9	220.7	236.0
30°	268.4	332.4	387.4	391.4	382.6	380.2	399.4	404.7	386.7	386.6	446.9
27.5°	514.0	528.6	625.9	670.0	559.9	568.3	620.8	592.8	658.0	720.9	770.6
25°	814.0	826.1	996.2	970.2	853.6	886.8	917.6	911.5	987.0	1062.7	1148.8
22.5°	1089.8	1139.2	1278.9	1242.8	1190.9	1205.1	1233.4	1289.3	1390.9	1544.7	1945.6
20°	1309.8	1341.8	1409.7	1440.7	1443.6	1471.7	1561.8	1716.0	2032.4	3070.4	4323.5
17.5°	1521.8	1472.1	1553.8	1607.2	1664.9	1768.1	1977.4	2609.0	4135.0	7281.2	10364.4
15°	1829.8	1799.2	1751.1	1824.2	1984.6	2195.6	2684.5	4993.8	10178.0	16077.4	22210.8
12.5°	2165.3	2124.8	2058.6	2120.2	2363.8	2739.7	5037.5	10889.6	19176.7	29752.9	50354.3
10°	2432.7	2414.6	2373.3	2504.2	2822.0	3954.5	8024.6	17232.9	29555.4	54089.4	84079.9
7.5°	2596.4	2588.1	2623.3	2837.7	3270.6	5775.2	13118.2	25940.1	47593.5	81653.3	131998.7
5°	2775.3	2762.4	2819.2	3079.1	3591.3	6942.5	17096.8	33761.9	66008.9	113131.8	186244.3
2.5°	2967.2	2937.7	2996.1	3292.3	3842.4	7201.3	17989.9	36104.5	76940.7	137397.2	235353.2
0°	3160.6	3100.2	3131.8	3427.9	4029.9	8050.2	19840.9	39481.6	84668.6	151435.9	255618.4
-2.5°	3176.4	3074.0	3105.4	3379.1	3955.6	6931.2	17226.1	36369.8	80471.1	140902.7	234087.5
-5°	3203.1	3069.7	3060.8	3300.8	3849.6	6323.6	14614.6	33262.9	71097.1	123992.8	204741.9
-7.5°	3252.7	3095.1	3019.2	3196.7	3681.6	5497.1	11923.3	27690.3	57517.1	101129.5	159644.6
-10°	3334.2	3164.9	3040.8	3118.6	3469.4	4483.3	7889.0	20125.9	43537.8	76246.1	115909.3
-12.5°	3434.7	3356.5	3170.3	3062.5	3255.1	3804.5	6201.0	15036.7	30589.2	48237.6	77172.1
-15°	3481.4	3511.0	3376.4	3162.1	3174.7	3514.6	4336.9	8233.1	19201.4	32024.5	46298.1
-17.5°	3418.0	3557.9	3402.5	3156.4	3056.8	3258.2	3642.8	5071.2	8873.0	17109.3	25480.7
-20°	3232.9	3278.6	3246.9	3099.2	2994.6	3005.6	3196.0	3566.4	4308.0	7004.3	9967.3



REPORT NUMBER: P731547 (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°	2889.9	2919.4	2911.0	3020.3	2903.1	2850.3	2891.7	3035.5	3265.7	3615.5	4596.0
-25°	2597.6	2585.2	2652.7	2835.5	2864.4	2737.0	2703.6	2714.1	2845.0	3000.2	3215.1
-27.5°	2318.7	2403.1	2551.7	2737.2	2817.8	2732.0	2624.3	2553.8	2616.9	2665.8	2762.3
-30°	2085.4	2303.4	2459.2	2628.1	2749.4	2735.8	2630.9	2596.4	2566.6	2532.0	2556.5
-32.5°	1713.9	2183.2	2343.8	2481.9	2628.9	2688.4	2687.5	2672.9	2686.4	2658.2	2595.2
-35°	1332.0	1837.8	2255.0	2331.7	2426.7	2567.1	2674.7	2691.7	2707.8	2707.1	2692.0
-37.5°	955.6	1425.7	1848.6	2159.5	2271.1	2373.9	2574.5	2681.6	2716.6	2772.0	2792.4
-40°	783.7	924.6	1347.4	1727.7	1984.1	2295.6	2504.0	2697.9	2897.3	3014.0	3080.0
-42.5°	732.1	790.7	852.7	1145.2	1510.9	1852.9	2179.6	2548.8	2832.1	3052.2	3271.7
-45°	694.9	732.6	773.8	831.3	888.8	1178.5	1511.3	1845.5	2159.1	2475.1	2778.5
-47.5°	680.2	694.1	722.7	755.5	793.8	844.5	892.6	966.9	1225.7	1482.1	1757.0
-50°	656.6	691.1	703.5	715.5	746.4	776.1	799.1	830.6	861.8	881.4	907.4
-52.5°	606.8	651.3	689.4	724.3	744.3	761.5	776.8	802.5	826.7	847.7	862.3
-55°	555.2	601.2	645.1	688.0	728.2	766.7	800.0	818.6	837.3	856.1	863.9
-57.5°	494.7	543.1	590.5	635.2	679.0	721.8	759.8	794.0	826.8	857.1	876.2
-60°	431.3	472.7	520.5	570.1	615.9	658.0	699.9	739.6	776.2	807.3	826.9
-62.5°	369.6	408.9	448.3	493.0	542.6	590.4	628.3	666.8	705.5	739.4	764.0
-65°	302.7	335.6	367.1	400.8	436.3	474.7	514.6	554.0	592.4	624.8	649.0
-67.5°	211.3	242.9	272.1	300.9	327.6	354.5	383.2	412.4	441.5	467.0	488.7
-70°	128.8	148.0	164.9	183.3	205.4	228.0	250.6	271.5	290.5	306.2	318.8
-72.5°	69.7	77.1	85.3	98.9	111.4	124.9	138.8	151.6	163.4	174.2	184.0
-75°	39.7	43.1	48.9	54.2	58.9	64.6	70.8	76.8	82.5	88.1	93.2
-77.5°	31.0	32.7	34.3	35.8	37.2	39.3	41.7	44.1	46.6	50.6	55.0
-80°	23.1	24.2	25.3	26.3	27.4	28.8	30.2	31.5	32.7	34.6	36.3
-82.5°	16.8	17.3	17.8	18.2	18.7	19.6	20.5	21.5	22.4	24.4	26.3
-85°	12.2	12.4	12.6	12.8	12.9	13.4	13.9	14.4	14.8	16.6	18.3
-87.5°	9.3	9.4	9.5	9.6	9.6	10.0	10.3	10.7	11.0	12.8	14.5
-90°	4.1	3.8	3.4	3.1	2.7	2.4	2.1	1.7	1.4	1.1	0.7



REPORT NUMBER: P731547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	27.7	32.9	37.7	42.5	37.7	32.9	27.7	22.6	17.4	12.3	11.6
87.5°	1.4	1.4	0.7	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.7
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.7
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.7
80°	1.7	1.4	1.4	1.4	1.4	1.4	1.7	2.0	2.3	2.5	2.5
77.5°	1.7	1.4	1.4	1.4	1.4	1.4	1.7	2.1	2.4	2.7	3.0
75°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.7	2.8	3.1
72.5°	5.3	5.4	5.5	5.5	5.5	5.4	5.3	5.2	5.0	5.0	5.3
70°	7.6	8.1	8.8	9.6	8.8	8.1	7.6	7.2	6.8	6.9	7.9
67.5°	9.5	9.5	8.4	6.9	8.4	9.5	9.5	9.3	9.0	9.3	10.2
65°	8.3	8.3	7.6	6.9	7.6	8.3	8.3	8.4	8.6	9.3	10.6
62.5°	6.6	6.9	6.9	6.9	6.9	6.9	6.6	6.4	6.4	7.2	8.6
60°	5.6	5.6	5.5	5.5	5.5	5.6	5.6	5.6	5.5	5.9	6.6
57.5°	6.3	6.7	6.9	6.9	6.9	6.7	6.3	5.8	5.5	6.0	6.5
55°	6.8	6.9	7.4	8.2	7.4	6.9	6.8	6.7	6.4	6.8	7.3
52.5°	9.2	9.4	9.6	9.6	9.6	9.4	9.2	8.9	8.5	8.3	8.1
50°	11.9	12.1	12.3	12.3	12.3	12.1	11.9	11.5	11.1	10.6	9.9
47.5°	19.7	20.1	20.8	21.9	20.8	20.1	19.7	18.7	17.3	15.3	12.8
45°	31.3	32.1	33.4	35.7	33.4	32.1	31.3	29.9	30.0	28.0	22.8
42.5°	49.5	50.9	52.3	54.8	52.3	50.9	49.5	47.0	46.4	48.3	49.7
40°	68.2	69.1	70.1	72.7	70.1	69.1	68.2	66.7	66.0	58.5	60.0
37.5°	115.4	110.5	105.4	116.5	105.4	110.5	115.4	112.0	104.6	99.6	97.5
35°	157.4	160.3	164.9	172.8	164.9	160.3	157.4	158.2	153.5	139.7	144.4
32.5°	238.8	251.7	257.7	266.0	257.7	251.7	238.8	236.0	220.7	222.9	238.0
30°	475.1	474.3	436.0	442.9	436.0	474.3	475.1	446.9	386.6	386.7	404.7
27.5°	786.5	796.0	791.8	811.7	791.8	796.0	786.5	770.6	720.9	658.0	592.8
25°	1224.4	1265.3	1257.3	1297.1	1257.3	1265.3	1224.4	1148.8	1062.7	987.0	911.5
22.5°	2438.2	2626.9	2624.0	2875.4	2624.0	2626.9	2438.2	1945.6	1544.7	1390.9	1289.3
20°	6512.1	7800.5	7269.6	7367.3	7269.6	7800.5	6512.1	4323.5	3070.4	2032.4	1716.0
17.5°	15017.3	19382.6	21278.3	23647.3	21278.3	19382.6	15017.3	10364.4	7281.2	4135.0	2609.0
15°	34281.7	45912.0	51729.6	45791.7	51729.6	45912.0	34281.7	22210.8	16077.4	10178.0	4993.8
12.5°	71775.7	92196.2	106311.7	95479.0	106311.7	92196.2	71775.7	50354.3	29752.9	19176.7	10889.6
10°	123998.7	161612.9	192699.2	182453.9	192699.2	161612.9	123998.7	84079.9	54089.4	29555.4	17232.9
7.5°	190627.3	251391.8	289317.6	289036.7	289317.6	251391.8	190627.3	131998.7	81653.3	47593.5	25940.1
5°	274254.6	351998.6	400289.9	406113.0	400289.9	351998.6	274254.6	186244.3	113131.8	66008.9	33761.9
2.5°	336174.8	420464.6	486403.4	510186.5	486403.4	420464.6	336174.8	235353.2	137397.2	76940.7	36104.5
0°	361455.9	448353.4	518838.6	558139.2	518838.6	448353.4	361455.9	255618.4	151435.9	84668.6	39481.6
-2.5°	341591.4	421850.3	479985.5	504334.4	479985.5	421850.3	341591.4	234087.5	140902.7	80471.1	36369.8
-5°	298255.3	373840.9	418686.9	434612.9	418686.9	373840.9	298255.3	204741.9	123992.8	71097.1	33262.9
-7.5°	233401.4	296673.6	335387.0	349369.7	335387.0	296673.6	233401.4	159644.6	101129.5	57517.1	27690.3
-10°	161631.2	208662.7	242273.4	252699.2	242273.4	208662.7	161631.2	115909.3	76246.1	43537.8	20125.9
-12.5°	104147.7	132051.8	150672.9	157455.4	150672.9	132051.8	104147.7	77172.1	48237.6	30589.2	15036.7
-15°	63358.7	78895.8	87914.0	90952.7	87914.0	78895.8	63358.7	46298.1	32024.5	19201.4	8233.1
-17.5°	34910.4	42408.9	45165.6	47105.3	45165.6	42408.9	34910.4	25480.7	17109.3	8873.0	5071.2
-20°	15639.8	18895.2	20492.7	21312.2	20492.7	18895.2	15639.8	9967.3	7004.3	4308.0	3566.4



REPORT NUMBER: P731547 (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°	6030.3	6980.9	7409.1	7760.8	7409.1	6980.9	6030.3	4596.0	3615.5	3265.7	3035.5
-25°	3402.0	3534.0	3594.1	3633.6	3594.1	3534.0	3402.0	3215.1	3000.2	2845.0	2714.1
-27.5°	2831.1	2907.3	2959.5	2950.8	2959.5	2907.3	2831.1	2762.3	2665.8	2616.9	2553.8
-30°	2558.4	2581.8	2601.5	2586.0	2601.5	2581.8	2558.4	2556.5	2532.0	2566.6	2596.4
-32.5°	2550.8	2526.8	2513.0	2509.2	2513.0	2526.8	2550.8	2595.2	2658.2	2686.4	2672.9
-35°	2674.8	2663.9	2657.0	2661.4	2657.0	2663.9	2674.8	2692.0	2707.1	2707.8	2691.7
-37.5°	2795.0	2778.9	2754.6	2735.5	2754.6	2778.9	2795.0	2792.4	2772.0	2716.6	2681.6
-40°	3092.7	3150.4	3223.4	3263.4	3223.4	3150.4	3092.7	3080.0	3014.0	2897.3	2697.9
-42.5°	3336.7	3378.8	3397.7	3396.4	3397.7	3378.8	3336.7	3271.7	3052.2	2832.1	2548.8
-45°	3008.6	3176.8	3267.7	3285.3	3267.7	3176.8	3008.6	2778.5	2475.1	2159.1	1845.5
-47.5°	2053.2	2326.5	2486.8	2507.9	2486.8	2326.5	2053.2	1757.0	1482.1	1225.7	966.9
-50°	943.0	979.6	993.0	983.1	993.0	979.6	943.0	907.4	881.4	861.8	830.6
-52.5°	876.1	890.2	897.5	899.5	897.5	890.2	876.1	862.3	847.7	826.7	802.5
-55°	871.2	878.9	884.0	888.5	884.0	878.9	871.2	863.9	856.1	837.3	818.6
-57.5°	894.0	910.4	918.3	921.4	918.3	910.4	894.0	876.2	857.1	826.8	794.0
-60°	844.6	860.7	866.6	868.0	866.6	860.7	844.6	826.9	807.3	776.2	739.6
-62.5°	787.1	808.4	816.4	818.6	816.4	808.4	787.1	764.0	739.4	705.5	666.8
-65°	670.1	688.1	689.4	684.2	689.4	688.1	670.1	649.0	624.8	592.4	554.0
-67.5°	508.2	525.2	526.0	521.0	526.0	525.2	508.2	488.7	467.0	441.5	412.4
-70°	328.9	336.7	338.4	337.3	338.4	336.7	328.9	318.8	306.2	290.5	271.5
-72.5°	192.5	199.8	198.3	194.7	198.3	199.8	192.5	184.0	174.2	163.4	151.6
-75°	97.7	101.7	103.3	104.2	103.3	101.7	97.7	93.2	88.1	82.5	76.8
-77.5°	59.4	63.7	65.0	65.8	65.0	63.7	59.4	55.0	50.6	46.6	44.1
-80°	38.0	39.6	39.8	39.8	39.8	39.6	38.0	36.3	34.6	32.7	31.5
-82.5°	28.2	30.1	30.8	31.5	30.8	30.1	28.2	26.3	24.4	22.4	21.5
-85°	20.1	21.9	22.6	23.3	22.6	21.9	20.1	18.3	16.6	14.8	14.4
-87.5°	16.2	17.9	18.5	19.2	18.5	17.9	16.2	14.5	12.8	11.0	10.7
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.7	1.1	1.4	1.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	10.9	10.3	9.6	9.2	8.9	8.6	8.2	8.2	8.2	8.2	8.2
87.5°	2.1	2.4	2.7	3.1	3.4	3.8	4.1	4.1	4.1	4.1	4.1
85°	2.1	2.4	2.7	3.1	3.4	3.8	4.1	4.1	4.1	4.1	4.1
82.5°	2.1	2.4	2.7	3.1	3.4	3.8	4.1	4.2	4.3	4.3	4.3
80°	2.6	2.6	2.7	3.1	3.5	3.8	4.2	4.5	4.9	5.1	5.3
77.5°	3.2	3.4	3.5	3.7	3.9	4.1	4.3	4.5	4.9	5.2	5.6
75°	3.5	3.8	4.3	4.8	5.2	5.4	5.4	5.3	5.3	5.4	5.6
72.5°	5.5	5.7	6.1	6.7	6.9	7.4	7.5	7.2	6.7	6.0	5.7
70°	8.7	9.3	10.5	12.3	13.7	14.3	14.0	12.7	10.3	8.9	7.8
67.5°	11.2	12.3	14.3	16.8	18.7	20.3	22.1	23.0	21.9	19.3	13.4
65°	11.9	13.3	14.9	16.6	18.9	22.1	27.9	31.0	31.9	30.5	23.3
62.5°	10.1	11.9	12.9	14.2	16.1	20.0	27.9	34.2	39.1	38.8	30.2
60°	7.4	8.2	9.2	10.5	12.1	16.4	24.0	32.7	42.7	40.0	33.6
57.5°	6.8	7.2	7.7	8.0	8.2	11.8	18.3	26.6	36.0	35.6	32.5
55°	7.9	8.4	8.6	8.4	8.3	9.8	12.7	18.3	25.6	27.1	26.1
52.5°	8.2	8.9	9.7	10.5	10.3	9.9	10.2	13.5	16.5	19.3	20.0
50°	9.5	9.9	10.3	10.8	11.4	11.3	10.8	11.0	13.0	14.9	15.6
47.5°	12.6	13.1	12.3	12.2	13.5	13.1	12.5	12.4	13.9	13.6	14.4
45°	21.8	20.7	18.8	19.0	18.8	18.5	16.5	17.4	17.8	17.4	15.0
42.5°	44.3	36.3	30.8	32.3	30.3	28.3	25.3	24.8	24.2	23.1	21.8
40°	69.2	67.0	60.7	56.0	51.7	43.8	38.2	34.1	32.5	30.5	30.3
37.5°	99.0	102.2	105.1	102.9	90.0	73.1	58.1	46.7	41.7	43.4	41.2
35°	138.9	144.6	159.7	154.7	146.7	131.1	95.5	68.6	60.0	64.4	56.8
32.5°	198.2	231.8	246.9	234.5	228.5	215.1	169.3	111.6	107.5	100.2	83.7
30°	399.4	380.2	382.6	391.4	387.4	332.4	268.4	278.1	222.8	150.6	120.4
27.5°	620.8	568.3	559.9	670.0	625.9	528.6	514.0	562.9	407.6	270.4	177.5
25°	917.6	886.8	853.6	970.2	996.2	826.1	814.0	858.1	745.5	437.9	250.1
22.5°	1233.4	1205.1	1190.9	1242.8	1278.9	1139.2	1089.8	1146.3	1116.0	643.4	383.8
20°	1561.8	1471.7	1443.6	1440.7	1409.7	1341.8	1309.8	1350.1	1216.1	871.8	522.6
17.5°	1977.4	1768.1	1664.9	1607.2	1553.8	1472.1	1521.8	1503.5	1345.6	1049.6	654.5
15°	2684.5	2195.6	1984.6	1824.2	1751.1	1799.2	1829.8	1725.7	1498.6	1173.0	832.8
12.5°	5037.5	2739.7	2363.8	2120.2	2058.6	2124.8	2165.3	2004.3	1704.3	1442.4	1127.4
10°	8024.6	3954.5	2822.0	2504.2	2373.3	2414.6	2432.7	2249.1	1986.2	1755.2	1444.8
7.5°	13118.2	5775.2	3270.6	2837.7	2623.3	2588.1	2596.4	2425.6	2227.6	2039.5	1773.4
5°	17096.8	6942.5	3591.3	3079.1	2819.2	2762.4	2775.3	2560.1	2436.9	2300.4	2100.0
2.5°	17989.9	7201.3	3842.4	3292.3	2996.1	2937.7	2967.2	2712.5	2614.3	2484.4	2312.7
0°	19840.9	8050.2	4029.9	3427.9	3131.8	3100.2	3160.6	2895.9	2778.0	2647.7	2492.8
-2.5°	17226.1	6931.2	3955.6	3379.1	3105.4	3074.0	3176.4	3012.4	2836.4	2662.7	2431.4
-5°	14614.6	6323.6	3849.6	3300.8	3060.8	3069.7	3203.1	3111.6	2896.5	2680.5	2325.5
-7.5°	11923.3	5497.1	3681.6	3196.7	3019.2	3095.1	3252.7	3194.2	2983.2	2787.5	2363.0
-10°	7889.0	4483.3	3469.4	3118.6	3040.8	3164.9	3334.2	3262.9	3073.5	2890.6	2345.6
-12.5°	6201.0	3804.5	3255.1	3062.5	3170.3	3356.5	3434.7	3296.7	3172.4	2993.5	2267.2
-15°	4336.9	3514.6	3174.7	3162.1	3376.4	3511.0	3481.4	3249.4	3126.8	3012.1	2123.9
-17.5°	3642.8	3258.2	3056.8	3156.4	3402.5	3557.9	3418.0	3171.9	2977.0	2701.5	1762.1
-20°	3196.0	3005.6	2994.6	3099.2	3246.9	3278.6	3232.9	3018.3	2761.6	2205.9	1414.3



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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°	2891.7	2850.3	2903.1	3020.3	2911.0	2919.4	2889.9	2746.9	2484.3	1688.6	1091.6
-25°	2703.6	2737.0	2864.4	2835.5	2652.7	2585.2	2597.6	2445.9	1961.0	1263.5	830.8
-27.5°	2624.3	2732.0	2817.8	2737.2	2551.7	2403.1	2318.7	2111.6	1456.6	991.6	757.0
-30°	2630.9	2735.8	2749.4	2628.1	2459.2	2303.4	2085.4	1591.9	1116.8	779.8	699.5
-32.5°	2687.5	2688.4	2628.9	2481.9	2343.8	2183.2	1713.9	1167.0	826.1	723.3	665.5
-35°	2674.7	2567.1	2426.7	2331.7	2255.0	1837.8	1332.0	896.2	728.8	676.9	637.6
-37.5°	2574.5	2373.9	2271.1	2159.5	1848.6	1425.7	955.6	757.6	687.5	647.9	617.1
-40°	2504.0	2295.6	1984.1	1727.7	1347.4	924.6	783.7	713.1	664.9	624.0	599.5
-42.5°	2179.6	1852.9	1510.9	1145.2	852.7	790.7	732.1	683.9	645.4	613.0	560.2
-45°	1511.3	1178.5	888.8	831.3	773.8	732.6	694.9	664.8	636.6	580.0	514.7
-47.5°	892.6	844.5	793.8	755.5	722.7	694.1	680.2	656.8	597.5	536.3	471.0
-50°	799.1	776.1	746.4	715.5	703.5	691.1	656.6	606.9	550.2	490.6	427.5
-52.5°	776.8	761.5	744.3	724.3	689.4	651.3	606.8	557.0	503.2	444.2	384.1
-55°	800.0	766.7	728.2	688.0	645.1	601.2	555.2	505.6	452.7	396.1	341.6
-57.5°	759.8	721.8	679.0	635.2	590.5	543.1	494.7	446.8	399.9	348.6	299.0
-60°	699.9	658.0	615.9	570.1	520.5	472.7	431.3	388.7	344.9	303.9	262.2
-62.5°	628.3	590.4	542.6	493.0	448.3	408.9	369.6	331.5	296.9	261.4	213.1
-65°	514.6	474.7	436.3	400.8	367.1	335.6	302.7	267.2	230.2	194.1	153.4
-67.5°	383.2	354.5	327.6	300.9	272.1	242.9	211.3	180.3	154.2	129.1	99.6
-70°	250.6	228.0	205.4	183.3	164.9	148.0	128.8	108.4	87.2	73.2	61.0
-72.5°	138.8	124.9	111.4	98.9	85.3	77.1	69.7	61.5	52.8	43.8	36.6
-75°	70.8	64.6	58.9	54.2	48.9	43.1	39.7	37.4	35.2	32.9	30.4
-77.5°	41.7	39.3	37.2	35.8	34.3	32.7	31.0	29.3	27.7	25.9	24.0
-80°	30.2	28.8	27.4	26.3	25.3	24.2	23.1	21.8	20.4	19.2	18.2
-82.5°	20.5	19.6	18.7	18.2	17.8	17.3	16.8	16.2	15.5	14.9	14.3
-85°	13.9	13.4	12.9	12.8	12.6	12.4	12.2	12.0	11.8	11.5	11.3
-87.5°	10.3	10.0	9.6	9.6	9.5	9.4	9.3	9.3	9.3	9.2	9.2
-90°	2.1	2.4	2.7	3.1	3.4	3.8	4.1	4.1	4.1	4.1	4.1



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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°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.9	7.6	7.2
87.5°	4.5	4.8	5.2	5.5	5.5	5.5	5.5	5.5	5.9	6.2	6.6
85°	4.5	4.8	5.2	5.5	5.5	5.5	5.5	5.5	5.9	6.2	6.6
82.5°	4.5	4.8	5.2	5.5	5.7	5.9	5.9	5.9	6.0	6.2	6.6
80°	5.2	5.2	5.3	5.6	5.9	6.2	6.4	6.5	6.4	6.5	6.6
77.5°	5.7	5.7	5.5	5.6	5.9	6.3	6.6	6.9	6.8	6.7	6.8
75°	6.0	6.2	6.2	6.2	6.2	6.3	6.7	6.9	6.9	6.9	6.8
72.5°	6.0	6.4	6.7	6.9	6.7	6.6	6.7	6.9	6.9	6.9	6.9
70°	6.9	6.6	6.8	6.9	6.9	6.9	6.8	7.0	6.9	6.9	6.9
67.5°	8.3	7.3	6.9	6.9	6.9	6.9	6.9	7.1	7.1	6.9	6.9
65°	16.3	10.7	6.9	6.9	6.9	6.9	6.9	7.2	7.3	7.2	6.9
62.5°	22.8	16.2	11.1	7.9	6.9	6.9	6.9	7.2	7.5	7.5	7.1
60°	27.5	20.1	15.1	11.3	8.2	6.9	7.0	7.3	7.6	7.8	7.5
57.5°	26.6	22.2	18.4	14.4	10.8	7.9	7.1	7.4	7.6	7.9	7.8
55°	23.4	20.2	20.4	17.2	13.1	9.7	7.7	7.4	7.7	8.0	8.2
52.5°	18.3	19.0	20.5	19.2	15.4	11.4	9.0	7.5	7.8	8.1	8.2
50°	14.8	17.5	20.5	20.7	17.5	13.4	10.2	8.4	7.9	8.1	8.2
47.5°	15.1	17.6	19.6	22.1	20.0	15.2	11.6	9.3	7.9	8.2	8.2
45°	17.5	19.3	20.1	21.7	22.2	16.9	12.9	10.0	8.5	8.2	8.2
42.5°	20.7	22.3	22.8	21.7	22.1	18.4	14.0	10.8	9.0	8.3	8.3
40°	28.4	26.1	26.3	25.7	22.5	19.5	15.0	11.6	9.4	8.6	8.4
37.5°	37.3	32.9	30.4	32.9	25.3	20.6	15.7	12.2	9.9	9.0	8.5
35°	49.0	42.0	40.0	42.2	34.2	22.4	16.1	12.6	10.9	9.4	8.7
32.5°	62.2	61.0	60.6	52.8	45.7	25.0	17.3	14.2	12.1	9.7	8.9
30°	93.7	94.6	89.5	65.1	58.4	35.4	20.4	16.0	13.4	10.1	9.1
27.5°	146.8	134.1	125.2	90.6	70.1	48.2	24.6	18.1	14.9	10.7	9.4
25°	203.8	181.9	163.6	125.1	83.1	64.8	28.8	20.5	16.5	11.8	9.7
22.5°	270.9	231.1	206.0	164.3	103.9	83.4	37.7	24.0	18.4	13.0	10.0
20°	337.8	279.8	252.3	201.5	134.3	100.7	52.0	27.5	20.3	14.2	10.2
17.5°	412.9	341.5	302.4	238.9	167.6	119.9	67.0	30.8	22.3	15.4	10.5
15°	561.3	418.9	357.1	280.3	198.3	140.5	82.5	33.9	24.4	16.7	10.8
12.5°	740.9	496.1	415.8	324.5	226.5	162.1	98.1	36.9	26.5	18.0	11.3
10°	938.4	572.6	477.1	370.1	252.2	184.0	113.3	41.2	29.0	19.2	11.8
7.5°	1144.7	647.4	539.3	415.7	280.8	217.8	150.1	49.0	31.5	20.4	12.3
5°	1345.6	718.9	607.0	483.7	335.9	263.0	191.7	57.0	34.0	21.5	12.8
2.5°	1515.0	784.7	674.5	551.3	389.7	306.6	232.8	65.0	36.3	22.5	13.3
0°	1660.5	846.0	737.7	614.3	441.5	348.3	271.5	72.7	38.4	23.3	13.7
-2.5°	1547.1	849.8	744.9	638.3	480.4	382.0	293.1	92.1	49.9	29.4	16.5
-5°	1414.4	850.1	749.9	658.6	516.3	413.1	310.1	110.3	60.8	35.3	19.1
-7.5°	1407.3	853.5	756.1	675.1	549.2	440.8	322.1	126.9	70.9	40.6	21.6
-10°	1389.7	857.2	763.4	678.5	555.9	451.2	327.4	141.5	79.9	45.4	23.7
-12.5°	1318.6	856.9	769.5	677.4	554.0	446.2	317.2	152.9	87.8	49.4	25.5
-15°	1186.6	852.5	774.7	671.6	547.4	438.9	305.3	161.9	96.1	53.7	26.8
-17.5°	977.9	844.0	779.2	661.2	535.7	429.5	292.7	168.6	103.1	58.7	28.9
-20°	883.9	815.7	779.7	645.8	518.5	418.1	279.9	173.0	108.5	62.5	31.2



REPORT NUMBER: P731547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	823.0	773.2	728.1	625.0	499.1	404.8	267.7	175.0	112.2	64.9	32.6
-25°	757.3	728.6	675.3	581.5	481.2	384.4	262.1	174.5	114.1	65.9	33.2
-27.5°	702.7	680.4	629.7	539.5	454.4	366.7	260.0	176.0	114.6	65.3	32.7
-30°	651.8	633.6	584.4	501.5	426.1	339.8	254.8	175.3	113.8	64.4	31.1
-32.5°	622.1	597.7	541.0	468.9	394.9	311.9	239.5	172.2	110.9	62.6	30.4
-35°	606.3	563.3	501.4	435.3	362.5	288.2	220.4	166.5	105.7	59.2	29.4
-37.5°	588.4	527.4	463.9	400.2	329.8	263.3	203.5	151.8	98.3	54.3	27.8
-40°	547.9	488.6	426.8	364.4	300.2	237.4	185.0	136.0	90.6	47.7	25.4
-42.5°	505.2	446.7	388.3	328.6	271.0	215.4	165.2	119.0	78.7	42.7	22.2
-45°	458.2	403.4	348.7	295.5	241.5	191.7	145.2	101.4	65.6	38.2	19.8
-47.5°	410.1	360.2	310.8	261.6	213.9	167.0	123.9	85.9	51.9	32.7	19.2
-50°	364.0	318.5	274.1	230.3	185.4	142.4	102.6	69.6	43.9	25.7	18.3
-52.5°	326.1	279.4	240.0	199.8	157.2	116.5	83.6	53.3	35.6	22.4	17.2
-55°	288.7	243.6	207.7	167.6	127.6	93.7	63.8	43.5	26.9	20.7	16.0
-57.5°	254.9	211.3	171.5	133.2	100.2	71.1	49.1	33.3	23.3	18.9	15.3
-60°	218.6	171.3	131.9	101.8	74.0	52.4	37.3	25.3	21.2	17.3	14.3
-62.5°	168.1	128.1	97.6	71.7	53.1	38.8	26.8	23.0	19.1	16.2	13.4
-65°	119.7	89.6	64.4	50.8	37.5	27.7	24.1	20.5	17.6	15.0	12.5
-67.5°	72.7	58.6	45.1	33.0	27.9	24.7	21.4	18.8	16.3	13.8	11.8
-70°	48.6	36.7	30.7	27.6	24.6	21.7	19.4	17.3	15.0	12.9	11.1
-72.5°	33.1	29.8	26.8	24.0	21.5	19.4	17.5	15.7	13.7	11.9	10.3
-75°	27.6	25.0	22.6	20.4	18.5	16.9	15.6	14.2	12.5	10.9	9.8
-77.5°	21.9	20.0	18.3	16.9	15.7	14.6	13.6	12.6	11.3	10.2	9.3
-80°	17.1	16.0	14.9	13.9	13.0	12.3	11.8	11.4	10.4	9.6	8.8
-82.5°	13.4	12.7	11.9	11.2	10.8	10.6	10.4	10.3	9.6	8.9	8.4
-85°	10.7	10.1	9.4	8.8	8.8	8.9	9.2	9.4	8.9	8.5	8.0
-87.5°	8.9	8.6	8.4	8.2	8.4	8.6	8.7	8.8	8.4	8.0	7.6
-90°	4.5	4.8	5.2	5.5	5.5	5.5	5.5	5.5	5.9	6.2	6.6



REPORT NUMBER: P731547 (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	6.9	6.9	6.9	6.9	6.9	6.9
87.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
85°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
82.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
80°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
77.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
70°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
67.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9
65°	7.0	6.9	6.9	6.9	6.9	6.9	6.9
62.5°	7.1	7.0	6.9	6.9	6.9	6.9	6.9
60°	7.1	7.2	6.9	6.9	6.9	6.9	6.9
57.5°	7.4	7.3	7.0	6.9	6.9	6.9	6.9
55°	7.6	7.4	7.2	6.9	6.9	6.9	6.9
52.5°	7.9	7.6	7.3	6.9	6.9	6.9	6.9
50°	8.1	7.7	7.4	6.9	6.9	6.9	6.9
47.5°	8.2	7.8	7.6	6.9	6.9	6.9	6.9
45°	8.2	8.0	7.7	7.0	6.9	6.9	6.9
42.5°	8.2	8.1	7.9	7.2	6.9	6.9	6.9
40°	8.2	8.1	8.0	7.3	6.9	6.9	6.9
37.5°	8.2	8.2	8.1	7.4	6.9	6.9	6.9
35°	8.2	8.2	8.1	7.5	6.9	6.9	6.9
32.5°	8.2	8.2	8.2	7.6	6.9	6.9	6.9
30°	8.4	8.2	8.2	7.7	6.9	6.9	6.9
27.5°	8.5	8.2	8.2	7.8	6.9	6.9	6.9
25°	8.7	8.2	8.2	7.8	6.9	6.9	6.9
22.5°	8.9	8.2	8.2	7.9	6.9	6.9	6.9
20°	9.1	8.3	8.2	8.0	6.9	6.9	6.9
17.5°	9.3	8.5	8.2	8.0	6.9	6.9	6.9
15°	9.6	8.6	8.2	8.1	6.9	6.9	6.9
12.5°	9.9	8.8	8.2	8.1	6.9	6.9	6.9
10°	10.1	8.9	8.2	8.1	6.9	6.9	6.9
7.5°	10.4	9.1	8.2	8.2	6.9	6.9	6.9
5°	10.6	9.3	8.2	8.2	6.9	6.9	6.9
2.5°	10.8	9.4	8.2	8.2	6.9	6.9	6.9
0°	11.0	9.6	8.2	8.2	6.9	6.9	6.9
-2.5°	11.7	9.7	8.3	8.2	7.0	6.9	6.9
-5°	12.4	9.9	8.4	8.2	7.0	6.9	6.9
-7.5°	13.0	10.0	8.6	8.2	7.1	6.9	6.9
-10°	13.6	10.1	8.7	8.2	7.1	6.9	6.9
-12.5°	14.1	10.2	8.8	8.1	7.2	6.9	6.9
-15°	14.4	10.3	8.8	8.1	7.2	6.9	6.9
-17.5°	14.6	10.3	8.9	8.1	7.3	6.9	6.9
-20°	15.1	10.4	8.9	8.1	7.3	6.9	6.9



REPORT NUMBER: P731547 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-1S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	16.0	10.4	8.9	8.1	7.3	6.9	6.9
-25°	16.5	10.7	8.9	8.1	7.3	6.9	6.9
-27.5°	16.6	11.0	8.9	8.1	7.4	6.9	6.9
-30°	16.3	11.2	8.9	8.1	7.4	6.9	6.9
-32.5°	15.5	11.3	8.9	8.1	7.4	6.9	6.9
-35°	15.2	11.4	9.0	8.1	7.4	6.9	6.9
-37.5°	15.3	11.4	8.9	8.1	7.4	6.9	6.9
-40°	15.2	11.3	8.9	8.2	7.3	6.9	6.9
-42.5°	14.9	11.2	8.9	8.2	7.3	6.9	6.9
-45°	14.5	11.1	9.0	8.3	7.3	6.9	6.9
-47.5°	14.0	10.9	9.0	8.3	7.2	6.9	6.9
-50°	13.6	10.6	9.0	8.2	7.2	6.9	6.9
-52.5°	13.2	10.3	9.0	8.1	7.1	6.9	6.9
-55°	12.7	10.2	8.9	8.0	7.1	6.9	6.9
-57.5°	12.1	10.0	8.8	7.9	7.0	6.9	6.9
-60°	11.5	9.8	8.7	7.7	6.9	6.9	6.9
-62.5°	11.1	9.5	8.5	7.6	6.9	6.9	6.9
-65°	10.6	9.3	8.3	7.5	6.9	6.9	6.9
-67.5°	10.1	9.0	8.2	7.3	6.9	6.9	6.9
-70°	9.6	8.7	8.0	7.2	6.9	6.9	6.9
-72.5°	9.2	8.5	7.8	7.2	6.9	6.9	6.9
-75°	8.9	8.2	7.5	7.1	6.9	6.9	6.9
-77.5°	8.6	7.9	7.4	7.1	6.9	6.9	6.9
-80°	8.2	7.7	7.3	7.1	6.9	6.9	6.9
-82.5°	7.9	7.5	7.2	7.0	6.9	6.9	6.9
-85°	7.6	7.3	7.1	7.0	6.9	6.9	6.9
-87.5°	7.2	7.1	7.0	6.9	6.9	6.9	6.9
-90°	6.9	6.9	6.9	6.9	6.9	6.9	6.9

(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

