

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: P731551 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0530N-57-70-2S-CV2**

Issue Date: 11/16/2023

Test Information

Test Method: LM-79-08
Report Number: P731551 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-11)
Test Lab: INNOVATION CENTER
Issue Date: 11/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0530N-57-70-2S-CV2
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

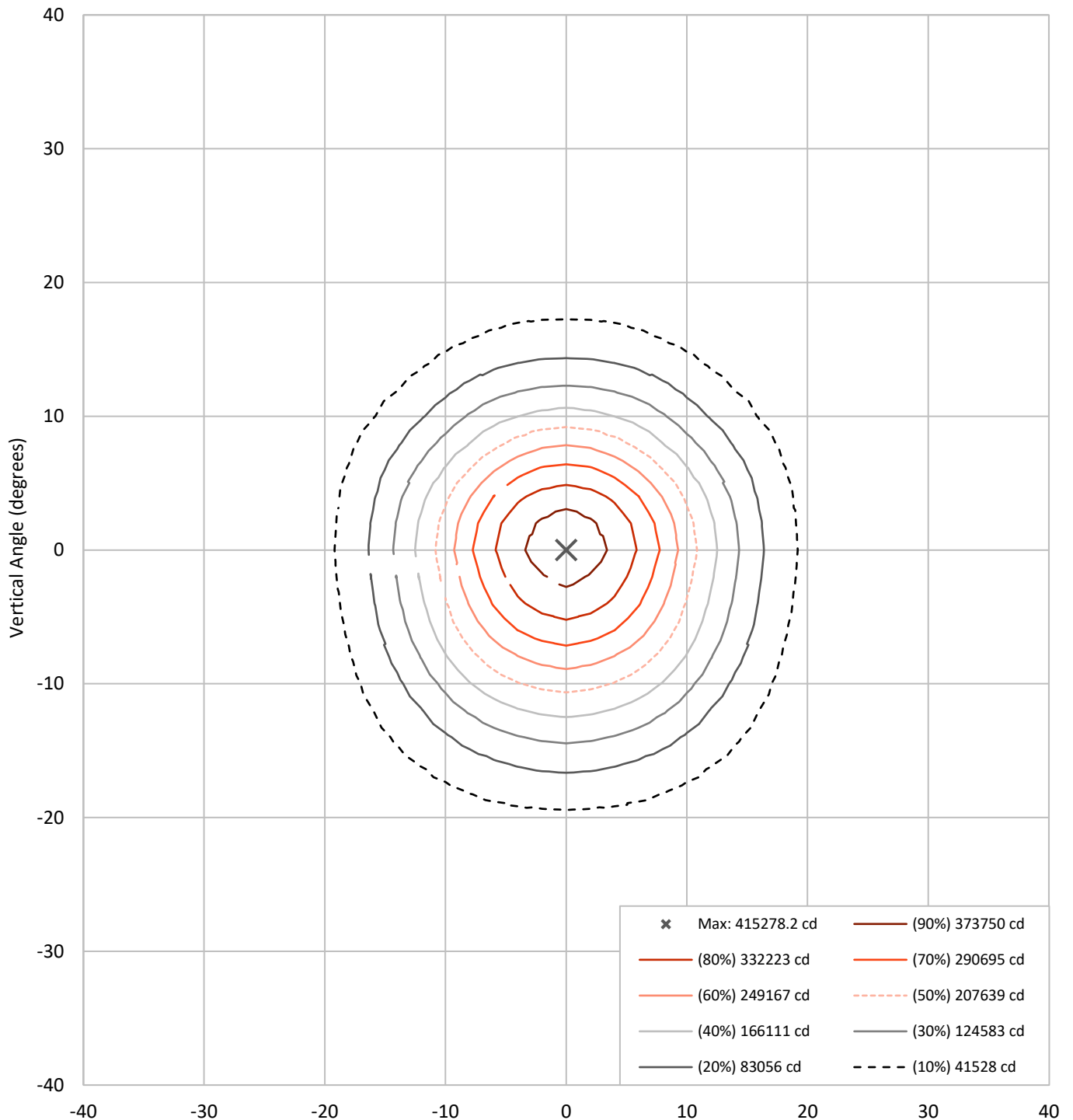
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	64285.9 lumens	Max Intensity:	415278.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	114.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	21.7°H x 19.8°V	Field Angle (10%):	38.4°H x 36.6°V
Beam Lumens:	29718.9 lumens	Field Lumens:	55439.5 lumens
Beam Efficiency:	46.2%	Field Efficiency:	86.2%

Input Watts (W): 561.4
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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CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV2

Iso-Candela Plot





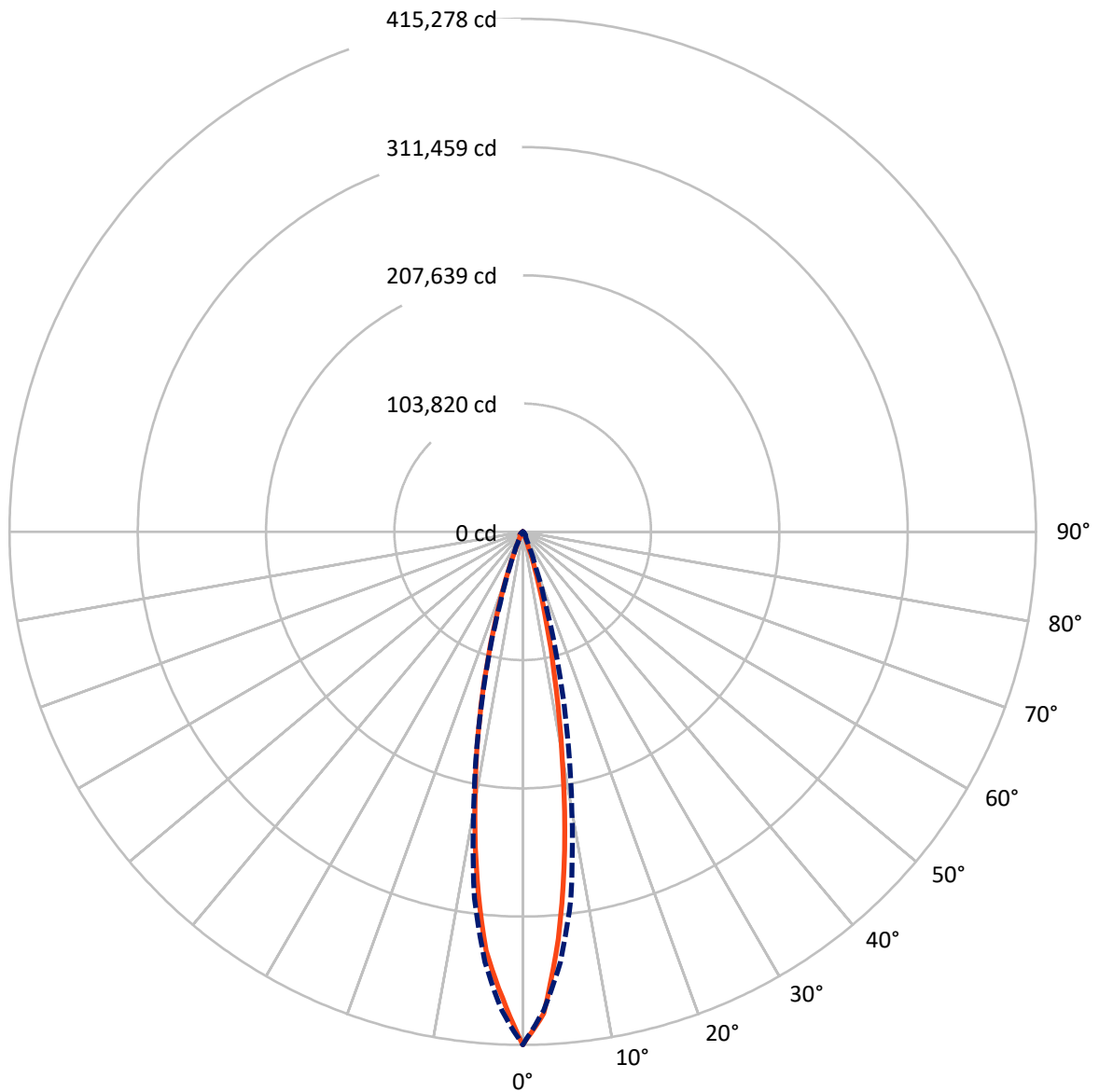
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Lumen Table

90	0.1	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.1				
80	0.1	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.4	0.1				
70	0.2	0.1	0.2	0.6	0.7	0.4	0.2	0.2	0.2	0.2	0.4	0.7	0.6	0.2	0.1	0.2
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	0.5	0.6	0.9	1.1	1.3	1.3	1.1	0.9	0.6	0.5	0.4	0.2	0.2
40		0.2	0.8	1.8	3.7	6.0	7.3	8.4	8.4	7.3	6.0	3.7	1.8	0.8	0.2	
30	0.2	0.4	2.6	9.0	23.9	35.1	61.4	135.0	135.0	61.4	35.1	23.9	9.0	2.6	0.4	0.2
20		0.9	6.0	23.2	54.6	106.9	664.4	2073.0	2073.0	664.4	106.9	54.6	23.2	6.0	0.9	
10	0.3	1.7	10.3	43.0	89.3	287.7	2715.2	8087.6	8087.6	2715.2	287.7	89.3	43.0	10.3	1.7	0.3
0		2.7	13.4	50.5	100.0	288.7	2877.6	8432.0	8432.0	2877.6	288.7	100.0	50.5	13.4	2.7	
-10	0.5	3.2	13.7	46.6	98.7	165.1	1059.5	3057.7	3057.7	1059.5	165.1	98.7	46.6	13.7	3.2	0.5
-20		2.9	11.6	27.8	70.2	103.3	161.3	315.8	315.8	161.3	103.3	70.2	27.8	11.6	2.9	
-30	0.4	2.5	8.5	17.4	38.8	74.3	96.3	105.8	105.8	96.3	74.3	38.8	17.4	8.5	2.5	0.4
-40		1.7	5.8	12.9	22.0	36.4	63.1	85.3	85.3	63.1	36.4	22.0	12.9	5.8	1.7	
-50	0.3	0.8	3.5	8.4	15.3	22.8	29.2	32.8	32.8	29.2	22.8	15.3	8.4	3.5	0.8	0.3
-60		0.3	1.2	3.9	8.1	13.2	18.5	21.7	21.7	18.5	13.2	8.1	3.9	1.2	0.3	
-70	0.2	1.0	3.0	7.5	10.8	7.5	3.0	1.0	0.2							0.2
-80		1.0	3.0	7.5	10.8	7.5	3.0	1.0	0.2							
-90	0.2	1.0	3.0	7.5	10.8	7.5	3.0	1.0	0.2							0.2

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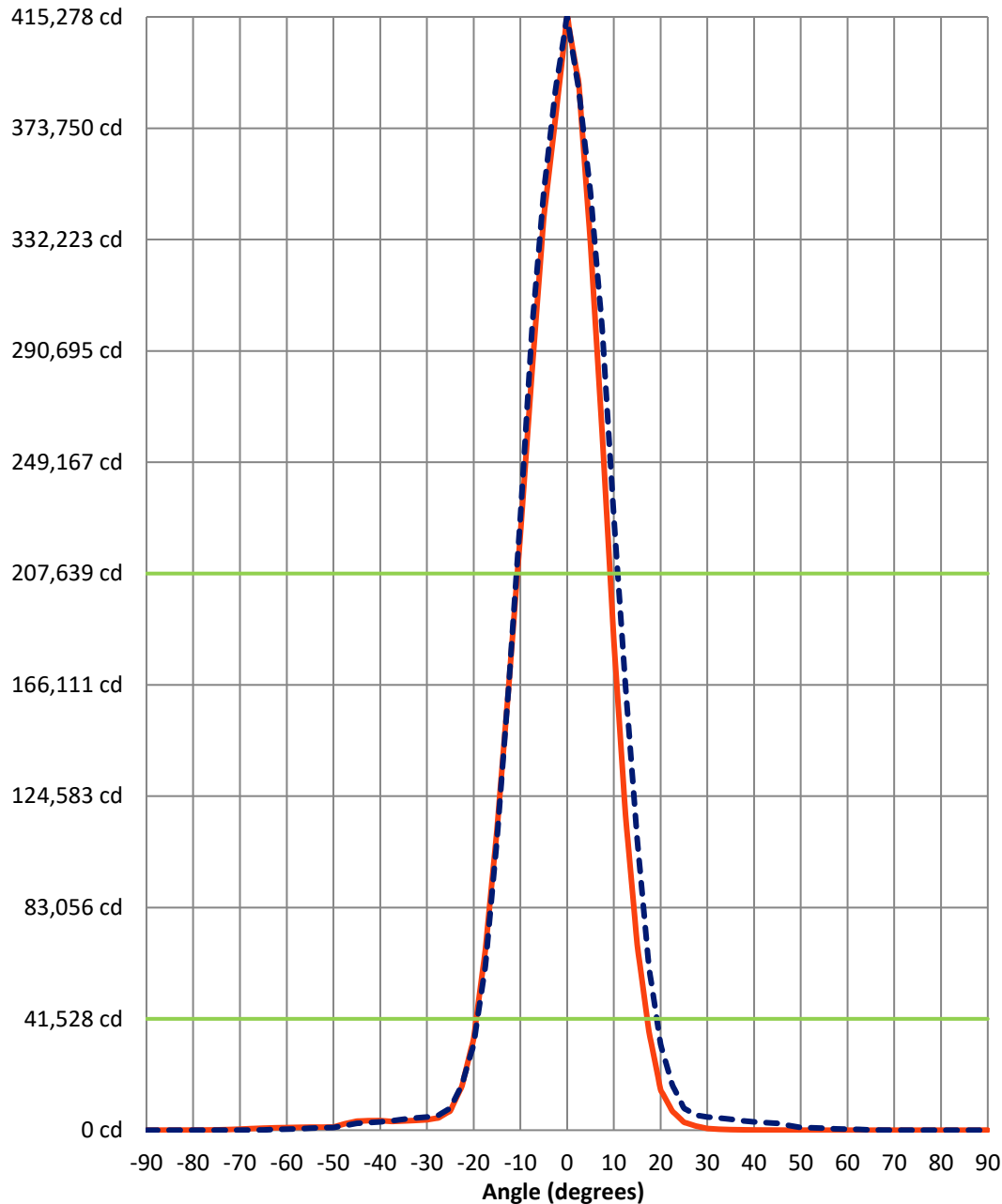
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 21.7°
V Angle: 19.8°
Lumens: 29718.9
Efficiency: 46.2%

Field:
H Angle: 38.4°
V Angle: 36.6°
Lumens: 55439.5
Efficiency: 86.2%

Spill:
Lumens: 8846.4
Efficiency: 13.8%

— 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°	6.7	6.7	6.7	7.1	7.6	8.0	8.4	8.4	8.4	8.4	8.4
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.4	6.1	5.9	5.7
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.5	6.4	6.4	6.4
82.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
80°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
70°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.8
67.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.7	6.7	7.0	6.9
65°	6.7	6.7	6.7	6.7	6.7	6.8	6.8	6.7	7.1	7.2	7.1
62.5°	6.7	6.7	6.7	6.7	6.7	6.9	6.9	7.0	7.5	7.5	7.1
60°	6.7	6.7	6.7	6.7	6.7	7.0	7.0	7.5	7.9	7.6	7.2
57.5°	6.7	6.7	6.7	6.7	6.9	7.2	7.3	7.9	8.0	7.7	7.3
55°	6.7	6.7	6.7	6.7	7.0	7.4	7.7	8.4	8.1	7.8	7.4
52.5°	6.7	6.7	6.8	6.7	7.2	7.6	8.0	8.4	8.2	7.9	7.5
50°	6.7	6.7	6.8	6.7	7.4	7.8	8.2	8.4	8.3	8.0	8.8
47.5°	6.7	6.7	6.9	6.7	7.6	7.9	8.4	8.4	8.4	8.1	10.1
45°	6.7	6.7	6.9	6.9	7.8	8.1	8.4	8.4	8.5	8.8	11.0
42.5°	6.7	6.7	7.0	7.1	8.0	8.2	8.4	8.5	8.6	9.4	12.3
40°	6.7	6.7	7.0	7.2	8.2	8.3	8.4	8.6	8.9	9.8	13.6
37.5°	6.7	6.7	7.1	7.4	8.2	8.4	8.4	8.8	9.6	10.9	14.7
35°	6.7	6.7	7.2	7.6	8.3	8.4	8.4	9.0	10.3	12.6	15.3
32.5°	6.7	6.7	7.2	7.8	8.4	8.4	8.5	9.2	11.2	14.4	16.7
30°	6.7	6.7	7.3	7.9	8.4	8.4	8.6	9.6	12.1	16.3	18.4
27.5°	6.7	6.7	7.4	8.0	8.4	8.4	8.8	10.3	13.3	18.2	20.4
25°	6.7	6.7	7.5	8.1	8.4	8.4	9.0	11.0	14.8	20.0	22.7
22.5°	6.7	6.7	7.6	8.2	8.4	8.4	9.2	11.8	16.4	21.7	27.0
20°	6.7	6.7	7.7	8.2	8.4	8.6	9.4	12.5	17.9	23.6	31.1
17.5°	6.7	6.7	7.8	8.3	8.4	8.7	9.7	13.3	19.4	25.6	35.0
15°	6.7	6.7	7.9	8.3	8.4	8.9	10.1	14.0	20.8	27.7	38.6
12.5°	6.7	6.7	8.0	8.4	8.4	9.1	10.4	14.6	22.3	29.8	41.9
10°	6.7	6.7	8.1	8.4	8.4	9.3	10.7	15.2	23.7	33.0	47.0
7.5°	6.7	6.7	8.2	8.4	8.4	9.5	11.0	15.7	25.1	36.6	56.6
5°	6.7	6.7	8.2	8.4	8.4	9.7	11.2	16.1	26.3	40.1	66.4
2.5°	6.7	6.7	8.3	8.4	8.4	9.9	11.5	16.5	27.5	43.6	76.2
0°	6.7	6.7	8.4	8.4	8.4	10.1	11.7	16.8	28.5	46.9	85.5
-2.5°	6.7	6.7	8.4	8.5	8.5	10.5	13.0	20.7	36.9	61.3	110.4
-5°	6.7	6.8	8.4	8.6	8.7	10.8	14.3	24.4	44.9	75.0	133.9
-7.5°	6.7	6.8	8.4	8.7	8.8	11.1	15.5	27.9	52.3	87.8	155.4
-10°	6.7	6.8	8.4	8.8	9.0	11.4	16.6	30.9	58.9	99.4	174.3
-12.5°	6.7	6.9	8.3	8.9	9.1	11.6	17.5	33.5	64.6	109.4	185.5
-15°	6.7	6.9	8.3	9.0	9.3	11.8	18.3	35.5	69.6	117.2	192.2
-17.5°	6.7	6.9	8.3	9.1	9.4	11.9	18.8	37.8	74.3	123.7	196.7
-20°	6.7	7.0	8.3	9.1	9.6	12.0	19.3	40.0	77.8	128.6	198.9



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV2

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	6.7	7.0	8.2	9.2	9.7	12.0	20.0	41.1	79.9	132.0	198.8
-25°	6.7	7.0	8.2	9.2	9.8	12.2	20.3	41.0	80.6	133.6	196.3
-27.5°	6.7	7.0	8.2	9.2	10.0	12.4	20.1	39.7	79.9	133.8	197.2
-30°	6.7	7.1	8.2	9.2	10.1	12.5	19.5	37.1	78.3	132.6	196.2
-32.5°	6.7	7.1	8.2	9.1	10.3	12.5	18.3	35.8	75.3	129.3	192.8
-35°	6.7	7.1	8.1	9.1	10.5	12.3	17.9	34.4	70.4	124.0	187.2
-37.5°	6.7	7.1	8.1	9.0	10.6	12.3	17.7	32.3	63.5	116.6	172.8
-40°	6.7	7.1	8.1	8.9	10.6	12.4	17.4	29.4	54.7	107.1	156.9
-42.5°	6.7	7.1	8.1	8.8	10.6	12.4	16.9	25.7	48.5	92.4	139.6
-45°	6.7	7.1	8.1	8.7	10.4	12.4	16.2	22.9	43.4	76.3	121.1
-47.5°	6.7	7.1	8.1	8.5	10.3	12.3	15.4	21.9	37.2	59.8	102.4
-50°	6.7	7.1	8.1	8.5	10.1	12.1	15.0	20.7	29.6	50.9	82.9
-52.5°	6.7	7.1	8.1	8.5	9.8	11.8	14.6	19.3	25.7	41.4	63.7
-55°	6.7	7.1	8.1	8.5	9.6	11.5	14.1	17.8	23.6	31.1	51.8
-57.5°	6.7	7.1	8.2	8.5	9.3	11.1	13.4	16.9	21.4	26.8	39.2
-60°	6.7	7.1	8.2	8.5	9.0	10.7	12.7	15.8	19.4	24.3	29.3
-62.5°	6.7	7.0	8.1	8.5	9.0	10.2	12.1	14.7	18.0	21.6	26.4
-65°	6.7	7.0	8.0	8.5	8.9	9.8	11.4	13.6	16.7	19.8	23.4
-67.5°	6.7	7.0	7.9	8.4	8.8	9.4	10.8	12.8	15.2	18.2	21.2
-70°	6.7	7.0	7.8	8.4	8.7	9.2	10.1	12.0	14.3	16.6	19.4
-72.5°	6.7	6.9	7.7	8.3	8.6	9.0	9.6	11.2	13.4	15.5	17.6
-75°	6.7	6.9	7.5	8.1	8.4	8.7	9.3	10.6	12.4	14.4	16.4
-77.5°	6.7	6.9	7.4	7.9	8.3	8.5	8.9	10.1	11.6	13.3	15.2
-80°	6.7	6.8	7.3	7.8	8.1	8.3	8.5	9.6	10.9	12.3	13.9
-82.5°	6.7	6.8	7.1	7.6	8.0	8.2	8.4	9.1	10.1	11.2	12.5
-85°	6.7	6.8	7.0	7.5	7.8	8.2	8.4	8.9	9.5	10.3	11.2
-87.5°	6.7	6.7	6.8	7.3	7.7	8.1	8.4	8.6	9.0	9.3	9.8
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.3	5.9	5.4	5.0



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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°	8.4	8.4	8.4	8.4	8.8	9.3	9.7	10.1	10.5	10.9	11.3
87.5°	5.6	5.4	5.2	5.0	5.0	5.0	5.0	5.0	4.6	4.2	3.8
85°	6.2	5.9	5.4	5.0	5.0	5.0	5.0	5.0	4.6	4.2	3.8
82.5°	6.3	5.9	5.5	5.0	5.0	5.0	5.0	5.0	4.6	4.2	3.8
80°	6.3	5.9	5.5	5.1	5.0	5.0	5.0	5.0	4.7	4.4	4.1
77.5°	6.4	6.0	5.5	5.1	5.0	5.3	5.6	5.9	5.8	5.7	5.5
75°	6.4	6.0	5.8	5.8	6.1	6.4	6.7	6.7	6.4	6.0	5.6
72.5°	6.5	6.3	6.4	6.7	6.7	6.7	6.7	6.7	7.5	8.6	9.5
70°	6.6	6.7	6.7	6.7	6.7	7.1	8.9	11.2	13.5	15.4	17.6
67.5°	6.7	6.7	6.7	6.9	8.1	10.0	12.7	19.3	27.0	29.4	29.3
65°	6.7	6.7	7.1	8.2	9.9	15.1	22.3	31.3	38.1	37.1	34.7
62.5°	6.7	6.9	7.8	10.3	15.0	21.8	28.8	35.3	41.8	40.7	35.4
60°	6.8	7.1	9.9	14.7	19.8	25.1	31.9	36.1	40.4	41.5	32.7
57.5°	6.9	8.7	13.3	18.3	23.0	26.9	29.5	33.2	35.6	36.0	27.0
55°	7.8	11.3	16.3	21.2	24.5	23.5	25.4	27.6	28.6	26.4	19.1
52.5°	10.0	13.9	18.9	23.0	23.4	21.6	21.1	22.1	20.5	17.4	15.1
50°	11.8	16.3	21.1	23.4	22.9	20.5	17.5	17.1	16.5	15.3	13.9
47.5°	13.7	18.5	22.7	24.2	22.5	20.4	16.9	16.4	16.5	17.5	16.5
45°	15.5	19.9	24.2	24.4	23.2	21.6	20.0	18.3	21.5	22.6	22.5
42.5°	17.1	20.7	24.5	24.9	25.5	25.2	24.7	26.5	28.5	30.2	30.8
40°	17.7	21.3	25.8	29.1	29.2	30.5	33.9	37.1	37.2	39.5	40.8
37.5°	17.9	23.4	29.5	37.0	34.7	38.8	44.6	53.3	54.5	49.5	56.5
35°	17.9	26.3	39.5	48.1	46.9	49.8	63.5	76.3	82.1	73.8	85.1
32.5°	19.7	30.0	52.3	61.4	69.9	73.1	86.4	111.7	125.9	131.2	140.7
30°	23.8	41.8	66.9	76.8	100.7	116.6	127.7	158.0	183.9	262.5	320.7
27.5°	29.1	56.2	81.6	104.3	139.5	166.8	190.7	221.8	317.0	460.1	608.8
25°	34.1	75.6	97.5	139.9	187.6	224.6	257.3	301.4	500.8	794.1	919.4
22.5°	44.5	97.8	123.0	179.9	240.1	283.9	331.5	450.8	720.2	1160.9	1212.5
20°	61.3	119.1	157.8	224.8	298.4	343.4	406.5	607.7	968.4	1305.2	1444.9
17.5°	79.4	142.5	196.0	277.9	367.0	418.0	491.8	758.8	1182.4	1482.2	1669.5
15°	98.3	167.4	232.7	336.0	439.6	510.1	662.4	966.2	1351.3	1689.6	1962.6
12.5°	117.5	193.2	267.7	397.6	515.7	600.9	869.3	1282.7	1634.4	1951.2	2321.9
10°	136.4	219.4	300.8	460.9	593.9	690.1	1097.1	1604.3	1949.7	2259.4	2639.5
7.5°	174.2	254.6	335.7	524.0	672.4	777.1	1335.3	1923.9	2238.8	2529.6	2902.5
5°	215.6	298.0	389.5	599.3	751.1	857.2	1552.2	2232.9	2505.4	2767.6	3131.9
2.5°	255.8	339.4	441.4	671.4	826.3	926.7	1663.2	2402.5	2674.9	2950.0	3329.8
0°	293.2	378.7	490.9	737.2	896.4	991.9	1744.3	2545.2	2816.6	3103.1	3503.6
-2.5°	324.3	418.7	543.1	768.4	915.9	1008.5	1717.6	2543.8	2869.4	3187.7	3602.1
-5°	350.3	456.1	591.3	794.3	931.5	1022.2	1664.8	2503.6	2913.1	3255.4	3676.4
-7.5°	370.7	490.5	634.7	814.4	941.1	1029.0	1641.7	2520.3	2991.0	3314.9	3724.9
-10°	381.9	504.2	637.8	813.6	942.9	1030.6	1590.4	2485.8	3055.6	3367.8	3745.5
-12.5°	367.0	498.4	629.5	805.2	943.4	1030.0	1491.7	2394.5	3108.6	3418.2	3726.7
-15°	350.5	489.8	616.0	788.7	943.5	1027.5	1340.9	2242.5	3078.5	3328.0	3648.7
-17.5°	333.2	478.4	597.0	763.6	943.9	1023.4	1126.6	1916.3	2778.2	3137.2	3522.6
-20°	316.0	463.9	572.4	729.6	938.9	996.0	1043.9	1585.1	2340.3	2894.6	3284.1



REPORT NUMBER: P731551 (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°	299.6	446.5	547.3	697.0	866.1	948.7	994.3	1264.4	1889.4	2599.7	2927.7
-25°	290.7	420.9	525.6	647.2	790.1	899.5	938.7	994.7	1491.2	2133.6	2602.5
-27.5°	286.1	398.5	496.4	597.7	719.8	840.4	882.9	931.6	1184.3	1677.4	2260.8
-30°	278.6	369.9	465.7	552.5	661.6	764.8	826.7	882.5	951.1	1321.6	1783.0
-32.5°	261.8	340.3	432.3	516.9	607.4	698.8	786.0	846.8	902.8	1003.2	1368.2
-35°	242.2	315.2	397.6	480.1	556.5	645.6	736.3	815.9	861.2	907.9	1068.9
-37.5°	225.9	288.6	362.1	441.8	515.4	596.2	684.1	768.3	830.9	873.5	934.6
-40°	208.3	260.6	330.1	402.7	474.8	547.6	628.6	710.4	788.5	853.7	903.0
-42.5°	189.4	239.7	298.1	363.2	432.2	500.8	571.4	649.2	731.4	816.4	880.2
-45°	168.7	217.7	266.4	327.2	388.3	452.2	517.8	586.6	669.8	751.3	832.1
-47.5°	146.4	194.0	241.0	290.8	347.1	404.0	462.7	532.7	605.9	682.9	758.7
-50°	123.3	167.7	214.8	260.1	308.1	358.5	410.7	479.7	549.5	616.1	684.2
-52.5°	101.0	139.8	184.9	230.7	273.2	317.5	367.7	428.2	493.4	557.8	618.5
-55°	78.0	113.8	152.7	196.8	240.6	280.2	327.4	381.1	436.2	497.3	556.1
-57.5°	60.2	87.6	121.6	159.4	201.7	245.2	290.2	335.5	385.7	437.5	488.2
-60°	44.8	64.8	90.8	123.4	158.6	201.1	250.3	295.2	337.8	380.1	426.4
-62.5°	31.1	46.8	65.2	87.8	118.4	153.3	195.5	241.9	291.6	329.1	366.1
-65°	27.8	32.1	44.8	61.6	78.7	107.7	141.2	177.7	219.8	258.2	298.2
-67.5°	24.3	28.2	32.2	38.9	54.0	70.1	87.1	116.9	148.8	176.3	204.9
-70°	22.0	24.3	27.7	31.4	35.2	41.7	55.7	70.6	85.4	101.4	124.4
-72.5°	19.9	22.0	24.2	26.2	29.4	32.7	35.8	38.9	47.3	59.0	69.6
-75°	18.0	19.7	21.6	23.6	25.3	27.1	29.3	32.0	34.6	37.4	40.3
-77.5°	16.3	17.4	18.9	20.6	22.0	23.1	24.5	26.1	27.7	29.4	30.9
-80°	14.6	15.1	15.9	17.0	18.2	19.2	20.1	20.9	21.8	23.1	24.4
-82.5°	13.0	13.4	13.8	14.1	14.8	15.6	16.5	17.4	17.9	18.5	19.2
-85°	11.4	11.7	12.0	12.2	12.5	12.9	13.3	13.8	14.1	14.4	14.7
-87.5°	9.9	10.0	10.2	10.3	10.6	10.8	11.0	11.2	11.4	11.5	11.6
-90°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.6	4.2	3.8



REPORT NUMBER: P731551 (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°	11.7	11.7	11.7	11.7	11.7	14.2	16.7	19.3	21.8	25.6	29.3
87.5°	3.4	3.3	3.3	3.3	3.2	2.9	2.5	2.1	1.7	1.3	0.9
85°	3.4	3.4	3.4	3.4	3.4	3.0	2.6	2.1	1.7	1.7	1.7
82.5°	3.4	3.4	3.4	3.4	3.4	3.0	2.6	2.1	1.7	1.7	1.7
80°	3.9	3.9	3.8	3.6	3.4	3.0	2.6	2.2	1.7	1.7	1.7
77.5°	5.1	4.7	4.3	3.9	3.5	3.3	3.2	3.1	3.1	2.9	2.5
75°	5.2	5.0	5.2	4.9	4.4	4.1	4.0	3.8	3.5	3.3	3.3
72.5°	10.1	10.1	9.5	8.9	8.0	7.6	7.3	6.9	6.2	5.9	5.7
70°	18.4	18.0	17.4	15.9	13.6	11.7	10.6	9.5	8.4	8.0	8.1
67.5°	26.7	24.0	21.7	19.1	15.8	13.4	12.1	10.7	9.1	8.4	8.4
65°	30.9	25.2	21.5	18.7	16.6	14.2	12.0	10.0	8.1	7.3	7.5
62.5°	29.3	21.9	17.3	14.6	12.7	11.4	9.7	8.3	7.2	6.7	6.8
60°	24.3	16.3	12.3	11.0	9.7	8.5	7.9	7.2	6.3	5.6	5.8
57.5°	18.9	13.1	10.0	9.5	9.1	8.6	7.9	7.1	6.5	6.1	6.4
55°	14.1	11.7	10.2	10.2	10.0	9.2	8.3	8.2	8.0	7.8	8.0
52.5°	12.3	12.3	12.7	12.6	11.4	10.6	10.0	10.0	10.1	10.4	10.8
50°	14.0	14.5	14.3	13.1	12.9	12.5	11.7	12.4	13.4	13.8	14.1
47.5°	16.7	17.0	17.2	16.1	16.4	17.6	17.8	18.3	20.2	21.6	22.9
45°	21.5	23.3	23.8	24.5	24.9	27.5	28.8	29.4	34.7	37.1	37.4
42.5°	31.0	33.9	36.1	39.8	39.3	45.6	53.7	58.0	57.6	56.0	55.9
40°	45.3	50.3	61.3	67.2	73.7	81.0	81.7	72.8	72.9	81.9	81.5
37.5°	69.9	87.1	102.7	116.6	120.0	115.8	117.3	124.1	132.2	133.0	137.0
35°	117.8	152.6	160.7	171.3	182.9	171.9	170.5	181.5	177.8	196.6	210.1
32.5°	203.8	253.1	268.1	280.9	313.4	294.6	242.6	318.3	301.3	322.4	354.5
30°	324.1	421.1	486.4	505.9	514.0	516.3	565.2	608.6	642.9	688.7	753.6
27.5°	613.9	678.2	786.6	847.4	770.9	802.5	928.1	950.9	1080.2	1220.8	1336.2
25°	933.6	1005.7	1198.6	1222.9	1159.0	1276.5	1397.9	1423.1	1651.2	1816.8	2213.3
22.5°	1222.5	1343.5	1549.9	1608.5	1661.8	1801.5	1942.6	2110.8	2624.8	3262.1	4418.7
20°	1467.1	1602.0	1803.8	1966.8	2099.8	2278.1	2442.5	3016.9	4124.0	6545.4	9179.2
17.5°	1763.2	1846.8	2096.3	2314.1	2522.6	2778.0	3504.5	4955.4	8160.4	13436.5	18437.0
15°	2162.1	2328.3	2483.1	2718.9	3108.3	3850.9	5454.0	10180.4	16885.4	26088.2	37487.0
12.5°	2622.0	2851.3	3066.0	3265.9	3824.6	5576.1	10691.1	18887.3	30158.8	44942.0	67313.1
10°	3032.8	3383.0	3646.6	3995.5	5077.6	8483.8	16379.9	27967.2	47773.2	73893.9	103088.2
7.5°	3318.0	3734.2	4089.5	4608.4	6372.9	12143.4	23074.4	41119.1	69272.6	104468.6	143851.0
5°	3589.3	4058.6	4407.4	5045.7	7229.3	14685.5	28148.5	52081.6	90315.7	136822.3	187385.3
2.5°	3845.7	4345.0	4688.0	5437.5	7770.0	15844.1	30273.8	58896.7	103927.2	159014.4	219065.8
0°	4083.3	4555.8	4914.4	5621.5	8227.0	16956.6	32081.9	61094.1	108525.8	165548.3	228710.1
-2.5°	4039.0	4390.2	4787.2	5496.0	7792.3	15763.7	29974.8	58513.2	103126.9	157748.5	215846.5
-5°	4023.5	4308.3	4666.7	5309.1	7255.4	13621.0	26622.1	52685.8	94281.1	143505.9	197619.1
-7.5°	4035.3	4261.5	4541.7	5073.1	6607.1	11516.3	23146.8	45672.1	80028.7	121706.0	170572.4
-10°	4060.6	4235.6	4519.7	4987.1	6060.9	9204.8	17517.3	35188.3	62922.9	96072.0	134148.9
-12.5°	4104.5	4340.1	4625.2	4942.9	5511.9	7331.7	13776.9	27315.7	46523.2	69811.9	98785.1
-15°	4089.4	4393.3	4715.3	4911.5	5221.4	6234.2	8936.2	18036.3	32190.2	47635.7	65169.9
-17.5°	3979.3	4343.1	4484.6	4636.8	4825.3	5324.3	6832.4	10877.9	18937.7	29086.2	38951.2
-20°	3723.6	3907.7	4084.7	4266.3	4475.0	4750.4	5219.5	6795.4	9155.5	14914.2	19728.5



REPORT NUMBER: P731551 (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°	3243.6	3420.8	3574.1	3868.7	4079.4	4281.8	4540.1	4881.1	5788.8	7214.7	9584.5
-25°	2831.9	2941.1	3156.8	3500.8	3727.2	3848.3	4010.4	4139.7	4450.9	4782.1	5600.6
-27.5°	2502.8	2666.5	2932.4	3233.6	3450.6	3548.1	3633.2	3709.3	3904.7	4040.1	4272.5
-30°	2242.5	2507.4	2756.6	3032.2	3231.8	3347.6	3383.9	3493.6	3621.0	3717.7	3811.9
-32.5°	1869.0	2335.1	2561.7	2790.0	3015.5	3158.0	3255.7	3342.2	3461.8	3536.0	3573.0
-35°	1466.8	1944.0	2390.3	2543.4	2707.3	2912.1	3078.8	3166.8	3245.4	3316.9	3362.1
-37.5°	1106.9	1497.9	1913.3	2286.8	2462.3	2615.6	2858.1	3004.9	3076.1	3182.9	3243.5
-40°	960.0	1070.9	1425.4	1775.2	2090.0	2439.1	2675.0	2901.3	3125.0	3262.1	3351.2
-42.5°	927.1	972.4	1014.4	1259.6	1574.4	1890.6	2238.3	2622.3	2943.4	3185.2	3409.8
-45°	900.5	935.0	968.8	1007.2	1044.1	1286.0	1557.8	1844.0	2213.4	2571.1	2879.9
-47.5°	831.9	897.1	935.2	964.1	994.2	1027.7	1058.5	1123.4	1371.8	1636.0	1886.8
-50°	753.9	818.5	876.4	930.0	968.7	994.7	1014.1	1039.5	1069.2	1095.5	1119.7
-52.5°	677.1	739.7	798.6	856.8	911.4	961.7	1008.2	1037.5	1060.0	1079.7	1092.0
-55°	612.5	666.6	719.3	776.9	833.0	886.4	936.9	982.2	1024.9	1064.7	1087.6
-57.5°	541.9	595.1	647.9	701.1	752.3	801.4	850.1	897.5	942.5	983.6	1008.6
-60°	472.0	516.7	569.2	623.8	674.8	722.4	770.8	816.8	859.4	895.6	917.8
-62.5°	406.3	448.1	491.7	540.2	592.7	644.0	687.1	730.6	774.1	811.5	837.1
-65°	336.8	371.8	407.1	445.1	485.2	527.2	570.4	612.8	654.2	688.0	712.3
-67.5°	238.3	273.0	306.8	340.6	371.4	402.4	435.5	468.8	502.0	529.2	550.7
-70°	146.9	168.6	189.0	211.0	236.8	263.7	291.2	317.0	340.8	358.5	371.5
-72.5°	79.2	88.0	98.5	114.9	130.2	146.3	163.0	178.9	194.0	205.1	213.4
-75°	43.4	47.3	54.1	60.6	66.6	73.7	81.0	87.9	94.2	100.5	106.3
-77.5°	32.8	34.8	36.6	38.2	39.6	42.1	45.0	47.9	50.7	54.5	58.5
-80°	25.7	26.7	27.7	28.7	29.7	31.4	33.2	35.0	36.8	38.6	40.3
-82.5°	19.8	20.3	20.8	21.2	21.6	22.7	23.9	25.0	26.1	27.9	29.7
-85°	15.0	15.3	15.7	15.9	16.2	17.0	17.9	18.8	19.7	21.1	22.4
-87.5°	11.7	12.1	12.4	12.8	13.2	13.9	14.4	14.9	15.3	16.6	17.8
-90°	3.4	3.0	2.6	2.1	1.7	1.7	1.7	1.7	1.7	1.3	0.9



REPORT NUMBER: P731551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV2

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	33.1	36.9	39.4	41.9	39.4	36.9	33.1	29.3	25.6	21.8	19.3
87.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.7	2.1
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.2
77.5°	2.1	1.7	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.1	3.1
75°	3.3	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.5	3.8
72.5°	5.4	5.0	5.0	5.0	5.0	5.0	5.4	5.7	5.9	6.2	6.9
70°	8.2	8.3	8.4	8.4	8.4	8.3	8.2	8.1	8.0	8.4	9.5
67.5°	8.4	8.4	7.6	6.7	7.6	8.4	8.4	8.4	8.4	9.1	10.7
65°	7.9	8.3	7.6	6.7	7.6	8.3	7.9	7.5	7.3	8.1	10.0
62.5°	6.8	6.8	6.7	6.7	6.7	6.8	6.8	6.8	6.7	7.2	8.3
60°	6.2	6.6	6.7	6.7	6.7	6.6	6.2	5.8	5.6	6.3	7.2
57.5°	6.6	6.7	7.4	8.4	7.4	6.7	6.6	6.4	6.1	6.5	7.1
55°	8.2	8.3	8.4	8.4	8.4	8.3	8.2	8.0	7.8	8.0	8.2
52.5°	11.2	11.5	11.6	11.7	11.6	11.5	11.2	10.8	10.4	10.1	10.0
50°	14.5	14.9	14.5	13.4	14.5	14.9	14.5	14.1	13.8	13.4	12.4
47.5°	24.0	24.6	24.4	23.5	24.4	24.6	24.0	22.9	21.6	20.2	18.3
45°	38.3	38.3	38.2	38.5	38.2	38.3	38.3	37.4	37.1	34.7	29.4
42.5°	57.4	57.9	58.1	58.6	58.1	57.9	57.4	55.9	56.0	57.6	58.0
40°	83.0	83.4	82.4	80.4	82.4	83.4	83.0	81.5	81.9	72.9	72.8
37.5°	144.0	147.2	146.4	144.1	146.4	147.2	144.0	137.0	133.0	132.2	124.1
35°	215.0	213.0	207.3	207.8	207.3	213.0	215.0	210.1	196.6	177.8	181.5
32.5°	335.8	347.9	351.6	353.5	351.6	347.9	335.8	354.5	322.4	301.3	318.3
30°	799.4	775.2	668.0	635.0	668.0	775.2	799.4	753.6	688.7	642.9	608.6
27.5°	1420.1	1496.6	1566.6	1573.3	1566.6	1496.6	1420.1	1336.2	1220.8	1080.2	950.9
25°	2622.6	2880.2	2988.8	2974.1	2988.8	2880.2	2622.6	2213.3	1816.8	1651.2	1423.1
22.5°	5786.3	6665.5	7123.8	7139.5	7123.8	6665.5	5786.3	4418.7	3262.1	2624.8	2110.8
20°	12625.6	14747.6	15283.5	15123.6	15283.5	14747.6	12625.6	9179.2	6545.4	4124.0	3016.9
17.5°	26032.7	32310.1	36595.7	36890.7	36595.7	32310.1	26032.7	18437.0	13436.5	8160.4	4955.4
15°	50667.5	62206.6	68190.6	69207.2	68190.6	62206.6	50667.5	37487.0	26088.2	16885.4	10180.4
12.5°	88512.2	106075.7	115847.9	117520.2	115847.9	106075.7	88512.2	67313.1	44942.0	30158.8	18887.3
10°	135009.1	159505.8	175434.1	182623.9	175434.1	159505.8	135009.1	103088.2	73893.9	47773.2	27967.2
7.5°	182718.5	221311.3	252828.5	259974.3	252828.5	221311.3	182718.5	143851.0	104468.6	69272.6	41119.1
5°	241741.5	293488.4	323754.9	330744.7	323754.9	293488.4	241741.5	187385.3	136822.3	90315.7	52081.6
2.5°	285510.4	341147.0	372869.7	390302.4	372869.7	341147.0	285510.4	219065.8	159014.4	103927.2	58896.7
0°	299093.5	349718.7	387856.1	415278.2	387856.1	349718.7	299093.5	228710.1	165548.3	108525.8	61094.1
-2.5°	280708.5	334387.1	362059.9	377476.8	362059.9	334387.1	280708.5	215846.5	157748.5	103126.9	58513.2
-5°	251459.8	300802.7	330981.7	340285.4	330981.7	300802.7	251459.8	197619.1	143505.9	94281.1	52685.8
-7.5°	213140.3	249174.0	271775.2	283171.5	271775.2	249174.0	213140.3	170572.4	121706.0	80028.7	45672.1
-10°	171662.7	199010.5	215868.7	222173.7	215868.7	199010.5	171662.7	134148.9	96072.0	62922.9	35188.3
-12.5°	125732.1	147514.1	160465.5	165462.0	160465.5	147514.1	125732.1	98785.1	69811.9	46523.2	27315.7
-15°	82989.0	98690.7	108652.8	112131.6	108652.8	98690.7	82989.0	65169.9	47635.7	32190.2	18036.3
-17.5°	50299.5	58966.8	65415.7	67042.4	65415.7	58966.8	50299.5	38951.2	29086.2	18937.7	10877.9
-20°	26617.6	30517.9	32696.1	34169.6	32696.1	30517.9	26617.6	19728.5	14914.2	9155.5	6795.4



REPORT NUMBER: P731551 (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°	12618.8	14742.9	15721.8	16469.0	15721.8	14742.9	12618.8	9584.5	7214.7	5788.8	4881.1
-25°	6315.2	6754.6	6945.9	7213.3	6945.9	6754.6	6315.2	5600.6	4782.1	4450.9	4139.7
-27.5°	4429.6	4532.7	4573.3	4606.1	4573.3	4532.7	4429.6	4272.5	4040.1	3904.7	3709.3
-30°	3860.1	3877.1	3874.6	3872.2	3874.6	3877.1	3860.1	3811.9	3717.7	3621.0	3493.6
-32.5°	3613.2	3631.2	3629.9	3627.6	3629.9	3631.2	3613.2	3573.0	3536.0	3461.8	3342.2
-35°	3391.1	3414.6	3426.2	3431.5	3426.2	3414.6	3391.1	3362.1	3316.9	3245.4	3166.8
-37.5°	3277.4	3282.4	3269.1	3253.9	3269.1	3282.4	3277.4	3243.5	3182.9	3076.1	3004.9
-40°	3394.9	3474.5	3554.5	3579.0	3554.5	3474.5	3394.9	3351.2	3262.1	3125.0	2901.3
-42.5°	3483.8	3534.9	3558.0	3550.5	3558.0	3534.9	3483.8	3409.8	3185.2	2943.4	2622.3
-45°	3084.0	3242.5	3336.5	3359.5	3336.5	3242.5	3084.0	2879.9	2571.1	2213.4	1844.0
-47.5°	2097.3	2274.9	2386.8	2422.9	2386.8	2274.9	2097.3	1886.8	1636.0	1371.8	1123.4
-50°	1143.2	1165.6	1172.9	1166.2	1172.9	1165.6	1143.2	1119.7	1095.5	1069.2	1039.5
-52.5°	1104.0	1117.3	1125.9	1131.0	1125.9	1117.3	1104.0	1092.0	1079.7	1060.0	1037.5
-55°	1107.1	1124.1	1133.5	1137.7	1133.5	1124.1	1107.1	1087.6	1064.7	1024.9	982.2
-57.5°	1030.6	1049.8	1059.0	1062.3	1059.0	1049.8	1030.6	1008.6	983.6	942.5	897.5
-60°	938.0	956.2	963.2	965.1	963.2	956.2	938.0	917.8	895.6	859.4	816.8
-62.5°	860.7	882.2	891.3	894.7	891.3	882.2	860.7	837.1	811.5	774.1	730.6
-65°	733.7	752.1	758.3	759.0	758.3	752.1	733.7	712.3	688.0	654.2	612.8
-67.5°	569.9	586.4	592.2	593.1	592.2	586.4	569.9	550.7	529.2	502.0	468.8
-70°	382.0	389.9	393.3	393.8	393.3	389.9	382.0	371.5	358.5	340.8	317.0
-72.5°	219.9	224.8	226.3	226.2	226.3	224.8	219.9	213.4	205.1	194.0	178.9
-75°	111.4	115.9	117.0	117.3	117.0	115.9	111.4	106.3	100.5	94.2	87.9
-77.5°	62.5	66.4	66.9	67.0	66.9	66.4	62.5	58.5	54.5	50.7	47.9
-80°	41.9	43.4	43.6	43.6	43.6	43.4	41.9	40.3	38.6	36.8	35.0
-82.5°	31.6	33.4	33.5	33.5	33.5	33.4	31.6	29.7	27.9	26.1	25.0
-85°	23.8	25.1	25.9	26.8	25.9	25.1	23.8	22.4	21.1	19.7	18.8
-87.5°	19.0	20.2	21.0	21.8	21.0	20.2	19.0	17.8	16.6	15.3	14.9
-90°	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.3	1.7	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°	16.7	14.2	11.7	11.7	11.7	11.7	11.7	11.3	10.9	10.5	10.1
87.5°	2.5	2.9	3.2	3.3	3.3	3.3	3.4	3.8	4.2	4.6	5.0
85°	2.6	3.0	3.4	3.4	3.4	3.4	3.4	3.8	4.2	4.6	5.0
82.5°	2.6	3.0	3.4	3.4	3.4	3.4	3.4	3.8	4.2	4.6	5.0
80°	2.6	3.0	3.4	3.6	3.8	3.9	3.9	4.1	4.4	4.7	5.0
77.5°	3.2	3.3	3.5	3.9	4.3	4.7	5.1	5.5	5.7	5.8	5.9
75°	4.0	4.1	4.4	4.9	5.2	5.0	5.2	5.6	6.0	6.4	6.7
72.5°	7.3	7.6	8.0	8.9	9.5	10.1	10.1	9.5	8.6	7.5	6.7
70°	10.6	11.7	13.6	15.9	17.4	18.0	18.4	17.6	15.4	13.5	11.2
67.5°	12.1	13.4	15.8	19.1	21.7	24.0	26.7	29.3	29.4	27.0	19.3
65°	12.0	14.2	16.6	18.7	21.5	25.2	30.9	34.7	37.1	38.1	31.3
62.5°	9.7	11.4	12.7	14.6	17.3	21.9	29.3	35.4	40.7	41.8	35.3
60°	7.9	8.5	9.7	11.0	12.3	16.3	24.3	32.7	41.5	40.4	36.1
57.5°	7.9	8.6	9.1	9.5	10.0	13.1	18.9	27.0	36.0	35.6	33.2
55°	8.3	9.2	10.0	10.2	10.2	11.7	14.1	19.1	26.4	28.6	27.6
52.5°	10.0	10.6	11.4	12.6	12.7	12.3	12.3	15.1	17.4	20.5	22.1
50°	11.7	12.5	12.9	13.1	14.3	14.5	14.0	13.9	15.3	16.5	17.1
47.5°	17.8	17.6	16.4	16.1	17.2	17.0	16.7	16.5	17.5	16.5	16.4
45°	28.8	27.5	24.9	24.5	23.8	23.3	21.5	22.5	22.6	21.5	18.3
42.5°	53.7	45.6	39.3	39.8	36.1	33.9	31.0	30.8	30.2	28.5	26.5
40°	81.7	81.0	73.7	67.2	61.3	50.3	45.3	40.8	39.5	37.2	37.1
37.5°	117.3	115.8	120.0	116.6	102.7	87.1	69.9	56.5	49.5	54.5	53.3
35°	170.5	171.9	182.9	171.3	160.7	152.6	117.8	85.1	73.8	82.1	76.3
32.5°	242.6	294.6	313.4	280.9	268.1	253.1	203.8	140.7	131.2	125.9	111.7
30°	565.2	516.3	514.0	505.9	486.4	421.1	324.1	320.7	262.5	183.9	158.0
27.5°	928.1	802.5	770.9	847.4	786.6	678.2	613.9	608.8	460.1	317.0	221.8
25°	1397.9	1276.5	1159.0	1222.9	1198.6	1005.7	933.6	919.4	794.1	500.8	301.4
22.5°	1942.6	1801.5	1661.8	1608.5	1549.9	1343.5	1222.5	1212.5	1160.9	720.2	450.8
20°	2442.5	2278.1	2099.8	1966.8	1803.8	1602.0	1467.1	1444.9	1305.2	968.4	607.7
17.5°	3504.5	2778.0	2522.6	2314.1	2096.3	1846.8	1763.2	1669.5	1482.2	1182.4	758.8
15°	5454.0	3850.9	3108.3	2718.9	2483.1	2328.3	2162.1	1962.6	1689.6	1351.3	966.2
12.5°	10691.1	5576.1	3824.6	3265.9	3066.0	2851.3	2622.0	2321.9	1951.2	1634.4	1282.7
10°	16379.9	8483.8	5077.6	3995.5	3646.6	3383.0	3032.8	2639.5	2259.4	1949.7	1604.3
7.5°	23074.4	12143.4	6372.9	4608.4	4089.5	3734.2	3318.0	2902.5	2529.6	2238.8	1923.9
5°	28148.5	14685.5	7229.3	5045.7	4407.4	4058.6	3589.3	3131.9	2767.6	2505.4	2232.9
2.5°	30273.8	15844.1	7770.0	5437.5	4688.0	4345.0	3845.7	3329.8	2950.0	2674.9	2402.5
0°	32081.9	16956.6	8227.0	5621.5	4914.4	4555.8	4083.3	3503.6	3103.1	2816.6	2545.2
-2.5°	29974.8	15763.7	7792.3	5496.0	4787.2	4390.2	4039.0	3602.1	3187.7	2869.4	2543.8
-5°	26622.1	13621.0	7255.4	5309.1	4666.7	4308.3	4023.5	3676.4	3255.4	2913.1	2503.6
-7.5°	23146.8	11516.3	6607.1	5073.1	4541.7	4261.5	4035.3	3724.9	3314.9	2991.0	2520.3
-10°	17517.3	9204.8	6060.9	4987.1	4519.7	4235.6	4060.6	3745.5	3367.8	3055.6	2485.8
-12.5°	13776.9	7331.7	5511.9	4942.9	4625.2	4340.1	4104.5	3726.7	3418.2	3108.6	2394.5
-15°	8936.2	6234.2	5221.4	4911.5	4715.3	4393.3	4089.4	3648.7	3328.0	3078.5	2242.5
-17.5°	6832.4	5324.3	4825.3	4636.8	4484.6	4343.1	3979.3	3522.6	3137.2	2778.2	1916.3
-20°	5219.5	4750.4	4475.0	4266.3	4084.7	3907.7	3723.6	3284.1	2894.6	2340.3	1585.1



REPORT NUMBER: P731551 (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°	4540.1	4281.8	4079.4	3868.7	3574.1	3420.8	3243.6	2927.7	2599.7	1889.4	1264.4
-25°	4010.4	3848.3	3727.2	3500.8	3156.8	2941.1	2831.9	2602.5	2133.6	1491.2	994.7
-27.5°	3633.2	3548.1	3450.6	3233.6	2932.4	2666.5	2502.8	2260.8	1677.4	1184.3	931.6
-30°	3383.9	3347.6	3231.8	3032.2	2756.6	2507.4	2242.5	1783.0	1321.6	951.1	882.5
-32.5°	3255.7	3158.0	3015.5	2790.0	2561.7	2335.1	1869.0	1368.2	1003.2	902.8	846.8
-35°	3078.8	2912.1	2707.3	2543.4	2390.3	1944.0	1466.8	1068.9	907.9	861.2	815.9
-37.5°	2858.1	2615.6	2462.3	2286.8	1913.3	1497.9	1106.9	934.6	873.5	830.9	768.3
-40°	2675.0	2439.1	2090.0	1775.2	1425.4	1070.9	960.0	903.0	853.7	788.5	710.4
-42.5°	2238.3	1890.6	1574.4	1259.6	1014.4	972.4	927.1	880.2	816.4	731.4	649.2
-45°	1557.8	1286.0	1044.1	1007.2	968.8	935.0	900.5	832.1	751.3	669.8	586.6
-47.5°	1058.5	1027.7	994.2	964.1	935.2	897.1	831.9	758.7	682.9	605.9	532.7
-50°	1014.1	994.7	968.7	930.0	876.4	818.5	753.9	684.2	616.1	549.5	479.7
-52.5°	1008.2	961.7	911.4	856.8	798.6	739.7	677.1	618.5	557.8	493.4	428.2
-55°	936.9	886.4	833.0	776.9	719.3	666.6	612.5	556.1	497.3	436.2	381.1
-57.5°	850.1	801.4	752.3	701.1	647.9	595.1	541.9	488.2	437.5	385.7	335.5
-60°	770.8	722.4	674.8	623.8	569.2	516.7	472.0	426.4	380.1	337.8	295.2
-62.5°	687.1	644.0	592.7	540.2	491.7	448.1	406.3	366.1	329.1	291.6	241.9
-65°	570.4	527.2	485.2	445.1	407.1	371.8	336.8	298.2	258.2	219.8	177.7
-67.5°	435.5	402.4	371.4	340.6	306.8	273.0	238.3	204.9	176.3	148.8	116.9
-70°	291.2	263.7	236.8	211.0	189.0	168.6	146.9	124.4	101.4	85.4	70.6
-72.5°	163.0	146.3	130.2	114.9	98.5	88.0	79.2	69.6	59.0	47.3	38.9
-75°	81.0	73.7	66.6	60.6	54.1	47.3	43.4	40.3	37.4	34.6	32.0
-77.5°	45.0	42.1	39.6	38.2	36.6	34.8	32.8	30.9	29.4	27.7	26.1
-80°	33.2	31.4	29.7	28.7	27.7	26.7	25.7	24.4	23.1	21.8	20.9
-82.5°	23.9	22.7	21.6	21.2	20.8	20.3	19.8	19.2	18.5	17.9	17.4
-85°	17.9	17.0	16.2	15.9	15.7	15.3	15.0	14.7	14.4	14.1	13.8
-87.5°	14.4	13.9	13.2	12.8	12.4	12.1	11.7	11.6	11.5	11.4	11.2
-90°	1.7	1.7	1.7	2.1	2.6	3.0	3.4	3.8	4.2	4.6	5.0



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	9.7	9.3	8.8	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
87.5°	5.0	5.0	5.0	5.0	5.2	5.4	5.6	5.7	5.9	6.1	6.4
85°	5.0	5.0	5.0	5.0	5.4	5.9	6.2	6.4	6.4	6.4	6.5
82.5°	5.0	5.0	5.0	5.0	5.5	5.9	6.3	6.7	6.7	6.7	6.7
80°	5.0	5.0	5.0	5.1	5.5	5.9	6.3	6.7	6.7	6.7	6.7
77.5°	5.6	5.3	5.0	5.1	5.5	6.0	6.4	6.7	6.7	6.7	6.7
75°	6.7	6.4	6.1	5.8	5.8	6.0	6.4	6.7	6.7	6.7	6.7
72.5°	6.7	6.7	6.7	6.7	6.4	6.3	6.5	6.7	6.7	6.7	6.7
70°	8.9	7.1	6.7	6.7	6.7	6.7	6.6	6.8	6.7	6.7	6.7
67.5°	12.7	10.0	8.1	6.9	6.7	6.7	6.7	6.9	7.0	6.7	6.7
65°	22.3	15.1	9.9	8.2	7.1	6.7	6.7	7.1	7.2	7.1	6.7
62.5°	28.8	21.8	15.0	10.3	7.8	6.9	6.7	7.1	7.5	7.5	7.0
60°	31.9	25.1	19.8	14.7	9.9	7.1	6.8	7.2	7.6	7.9	7.5
57.5°	29.5	26.9	23.0	18.3	13.3	8.7	6.9	7.3	7.7	8.0	7.9
55°	25.4	23.5	24.5	21.2	16.3	11.3	7.8	7.4	7.8	8.1	8.4
52.5°	21.1	21.6	23.4	23.0	18.9	13.9	10.0	7.5	7.9	8.2	8.4
50°	17.5	20.5	22.9	23.4	21.1	16.3	11.8	8.8	8.0	8.3	8.4
47.5°	16.9	20.4	22.5	24.2	22.7	18.5	13.7	10.1	8.1	8.4	8.4
45°	20.0	21.6	23.2	24.4	24.2	19.9	15.5	11.0	8.8	8.5	8.4
42.5°	24.7	25.2	25.5	24.9	24.5	20.7	17.1	12.3	9.4	8.6	8.5
40°	33.9	30.5	29.2	29.1	25.8	21.3	17.7	13.6	9.8	8.9	8.6
37.5°	44.6	38.8	34.7	37.0	29.5	23.4	17.9	14.7	10.9	9.6	8.8
35°	63.5	49.8	46.9	48.1	39.5	26.3	17.9	15.3	12.6	10.3	9.0
32.5°	86.4	73.1	69.9	61.4	52.3	30.0	19.7	16.7	14.4	11.2	9.2
30°	127.7	116.6	100.7	76.8	66.9	41.8	23.8	18.4	16.3	12.1	9.6
27.5°	190.7	166.8	139.5	104.3	81.6	56.2	29.1	20.4	18.2	13.3	10.3
25°	257.3	224.6	187.6	139.9	97.5	75.6	34.1	22.7	20.0	14.8	11.0
22.5°	331.5	283.9	240.1	179.9	123.0	97.8	44.5	27.0	21.7	16.4	11.8
20°	406.5	343.4	298.4	224.8	157.8	119.1	61.3	31.1	23.6	17.9	12.5
17.5°	491.8	418.0	367.0	277.9	196.0	142.5	79.4	35.0	25.6	19.4	13.3
15°	662.4	510.1	439.6	336.0	232.7	167.4	98.3	38.6	27.7	20.8	14.0
12.5°	869.3	600.9	515.7	397.6	267.7	193.2	117.5	41.9	29.8	22.3	14.6
10°	1097.1	690.1	593.9	460.9	300.8	219.4	136.4	47.0	33.0	23.7	15.2
7.5°	1335.3	777.1	672.4	524.0	335.7	254.6	174.2	56.6	36.6	25.1	15.7
5°	1552.2	857.2	751.1	599.3	389.5	298.0	215.6	66.4	40.1	26.3	16.1
2.5°	1663.2	926.7	826.3	671.4	441.4	339.4	255.8	76.2	43.6	27.5	16.5
0°	1744.3	991.9	896.4	737.2	490.9	378.7	293.2	85.5	46.9	28.5	16.8
-2.5°	1717.6	1008.5	915.9	768.4	543.1	418.7	324.3	110.4	61.3	36.9	20.7
-5°	1664.8	1022.2	931.5	794.3	591.3	456.1	350.3	133.9	75.0	44.9	24.4
-7.5°	1641.7	1029.0	941.1	814.4	634.7	490.5	370.7	155.4	87.8	52.3	27.9
-10°	1590.4	1030.6	942.9	813.6	637.8	504.2	381.9	174.3	99.4	58.9	30.9
-12.5°	1491.7	1030.0	943.4	805.2	629.5	498.4	367.0	185.5	109.4	64.6	33.5
-15°	1340.9	1027.5	943.5	788.7	616.0	489.8	350.5	192.2	117.2	69.6	35.5
-17.5°	1126.6	1023.4	943.9	763.6	597.0	478.4	333.2	196.7	123.7	74.3	37.8
-20°	1043.9	996.0	938.9	729.6	572.4	463.9	316.0	198.9	128.6	77.8	40.0



REPORT NUMBER: P731551 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV2

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	994.3	948.7	866.1	697.0	547.3	446.5	299.6	198.8	132.0	79.9	41.1
-25°	938.7	899.5	790.1	647.2	525.6	420.9	290.7	196.3	133.6	80.6	41.0
-27.5°	882.9	840.4	719.8	597.7	496.4	398.5	286.1	197.2	133.8	79.9	39.7
-30°	826.7	764.8	661.6	552.5	465.7	369.9	278.6	196.2	132.6	78.3	37.1
-32.5°	786.0	698.8	607.4	516.9	432.3	340.3	261.8	192.8	129.3	75.3	35.8
-35°	736.3	645.6	556.5	480.1	397.6	315.2	242.2	187.2	124.0	70.4	34.4
-37.5°	684.1	596.2	515.4	441.8	362.1	288.6	225.9	172.8	116.6	63.5	32.3
-40°	628.6	547.6	474.8	402.7	330.1	260.6	208.3	156.9	107.1	54.7	29.4
-42.5°	571.4	500.8	432.2	363.2	298.1	239.7	189.4	139.6	92.4	48.5	25.7
-45°	517.8	452.2	388.3	327.2	266.4	217.7	168.7	121.1	76.3	43.4	22.9
-47.5°	462.7	404.0	347.1	290.8	241.0	194.0	146.4	102.4	59.8	37.2	21.9
-50°	410.7	358.5	308.1	260.1	214.8	167.7	123.3	82.9	50.9	29.6	20.7
-52.5°	367.7	317.5	273.2	230.7	184.9	139.8	101.0	63.7	41.4	25.7	19.3
-55°	327.4	280.2	240.6	196.8	152.7	113.8	78.0	51.8	31.1	23.6	17.8
-57.5°	290.2	245.2	201.7	159.4	121.6	87.6	60.2	39.2	26.8	21.4	16.9
-60°	250.3	201.1	158.6	123.4	90.8	64.8	44.8	29.3	24.3	19.4	15.8
-62.5°	195.5	153.3	118.4	87.8	65.2	46.8	31.1	26.4	21.6	18.0	14.7
-65°	141.2	107.7	78.7	61.6	44.8	32.1	27.8	23.4	19.8	16.7	13.6
-67.5°	87.1	70.1	54.0	38.9	32.2	28.2	24.3	21.2	18.2	15.2	12.8
-70°	55.7	41.7	35.2	31.4	27.7	24.3	22.0	19.4	16.6	14.3	12.0
-72.5°	35.8	32.7	29.4	26.2	24.2	22.0	19.9	17.6	15.5	13.4	11.2
-75°	29.3	27.1	25.3	23.6	21.6	19.7	18.0	16.4	14.4	12.4	10.6
-77.5°	24.5	23.1	22.0	20.6	18.9	17.4	16.3	15.2	13.3	11.6	10.1
-80°	20.1	19.2	18.2	17.0	15.9	15.1	14.6	13.9	12.3	10.9	9.6
-82.5°	16.5	15.6	14.8	14.1	13.8	13.4	13.0	12.5	11.2	10.1	9.1
-85°	13.3	12.9	12.5	12.2	12.0	11.7	11.4	11.2	10.3	9.5	8.9
-87.5°	11.0	10.8	10.6	10.3	10.2	10.0	9.9	9.8	9.3	9.0	8.6
-90°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.4	5.9	6.3



REPORT NUMBER: P731551 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.4	8.0	7.6	7.1	6.7	6.7	6.7
87.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
82.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
80°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
70°	6.7	6.7	6.7	6.7	6.7	6.7	6.7
67.5°	6.8	6.7	6.7	6.7	6.7	6.7	6.7
65°	6.8	6.8	6.7	6.7	6.7	6.7	6.7
62.5°	6.9	6.9	6.7	6.7	6.7	6.7	6.7
60°	7.0	7.0	6.7	6.7	6.7	6.7	6.7
57.5°	7.3	7.2	6.9	6.7	6.7	6.7	6.7
55°	7.7	7.4	7.0	6.7	6.7	6.7	6.7
52.5°	8.0	7.6	7.2	6.7	6.8	6.7	6.7
50°	8.2	7.8	7.4	6.7	6.8	6.7	6.7
47.5°	8.4	7.9	7.6	6.7	6.9	6.7	6.7
45°	8.4	8.1	7.8	6.9	6.9	6.7	6.7
42.5°	8.4	8.2	8.0	7.1	7.0	6.7	6.7
40°	8.4	8.3	8.2	7.2	7.0	6.7	6.7
37.5°	8.4	8.4	8.2	7.4	7.1	6.7	6.7
35°	8.4	8.4	8.3	7.6	7.2	6.7	6.7
32.5°	8.5	8.4	8.4	7.8	7.2	6.7	6.7
30°	8.6	8.4	8.4	7.9	7.3	6.7	6.7
27.5°	8.8	8.4	8.4	8.0	7.4	6.7	6.7
25°	9.0	8.4	8.4	8.1	7.5	6.7	6.7
22.5°	9.2	8.4	8.4	8.2	7.6	6.7	6.7
20°	9.4	8.6	8.4	8.2	7.7	6.7	6.7
17.5°	9.7	8.7	8.4	8.3	7.8	6.7	6.7
15°	10.1	8.9	8.4	8.3	7.9	6.7	6.7
12.5°	10.4	9.1	8.4	8.4	8.0	6.7	6.7
10°	10.7	9.3	8.4	8.4	8.1	6.7	6.7
7.5°	11.0	9.5	8.4	8.4	8.2	6.7	6.7
5°	11.2	9.7	8.4	8.4	8.2	6.7	6.7
2.5°	11.5	9.9	8.4	8.4	8.3	6.7	6.7
0°	11.7	10.1	8.4	8.4	8.4	6.7	6.7
-2.5°	13.0	10.5	8.5	8.5	8.4	6.7	6.7
-5°	14.3	10.8	8.7	8.6	8.4	6.8	6.7
-7.5°	15.5	11.1	8.8	8.7	8.4	6.8	6.7
-10°	16.6	11.4	9.0	8.8	8.4	6.8	6.7
-12.5°	17.5	11.6	9.1	8.9	8.3	6.9	6.7
-15°	18.3	11.8	9.3	9.0	8.3	6.9	6.7
-17.5°	18.8	11.9	9.4	9.1	8.3	6.9	6.7
-20°	19.3	12.0	9.6	9.1	8.3	7.0	6.7



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 CATALOG NUMBER: EPH-LS-08-0530N-57-70-2S-CV2

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	20.0	12.0	9.7	9.2	8.2	7.0	6.7
-25°	20.3	12.2	9.8	9.2	8.2	7.0	6.7
-27.5°	20.1	12.4	10.0	9.2	8.2	7.0	6.7
-30°	19.5	12.5	10.1	9.2	8.2	7.1	6.7
-32.5°	18.3	12.5	10.3	9.1	8.2	7.1	6.7
-35°	17.9	12.3	10.5	9.1	8.1	7.1	6.7
-37.5°	17.7	12.3	10.6	9.0	8.1	7.1	6.7
-40°	17.4	12.4	10.6	8.9	8.1	7.1	6.7
-42.5°	16.9	12.4	10.6	8.8	8.1	7.1	6.7
-45°	16.2	12.4	10.4	8.7	8.1	7.1	6.7
-47.5°	15.4	12.3	10.3	8.5	8.1	7.1	6.7
-50°	15.0	12.1	10.1	8.5	8.1	7.1	6.7
-52.5°	14.6	11.8	9.8	8.5	8.1	7.1	6.7
-55°	14.1	11.5	9.6	8.5	8.1	7.1	6.7
-57.5°	13.4	11.1	9.3	8.5	8.2	7.1	6.7
-60°	12.7	10.7	9.0	8.5	8.2	7.1	6.7
-62.5°	12.1	10.2	9.0	8.5	8.1	7.0	6.7
-65°	11.4	9.8	8.9	8.5	8.0	7.0	6.7
-67.5°	10.8	9.4	8.8	8.4	7.9	7.0	6.7
-70°	10.1	9.2	8.7	8.4	7.8	7.0	6.7
-72.5°	9.6	9.0	8.6	8.3	7.7	6.9	6.7
-75°	9.3	8.7	8.4	8.1	7.5	6.9	6.7
-77.5°	8.9	8.5	8.3	7.9	7.4	6.9	6.7
-80°	8.5	8.3	8.1	7.8	7.3	6.8	6.7
-82.5°	8.4	8.2	8.0	7.6	7.1	6.8	6.7
-85°	8.4	8.2	7.8	7.5	7.0	6.8	6.7
-87.5°	8.4	8.1	7.7	7.3	6.8	6.7	6.7
-90°	6.7	6.7	6.7	6.7	6.7	6.7	6.7

(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

