

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: P701597 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-80-5S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701597 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-80-5S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

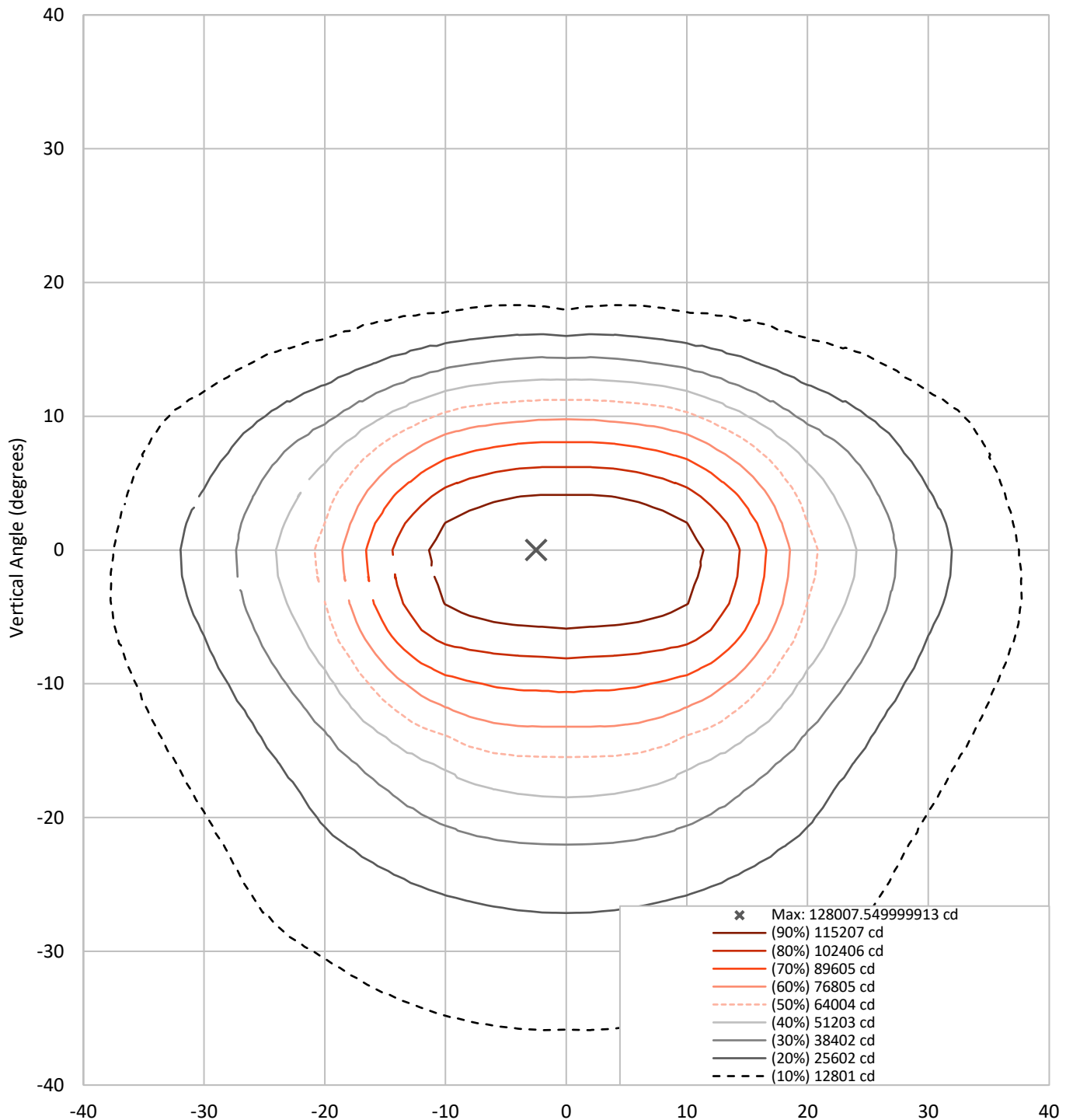
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	50723.8 lumens	Max Intensity:	128007.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	77.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	25139.8 lumens	Field Lumens:	45470 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





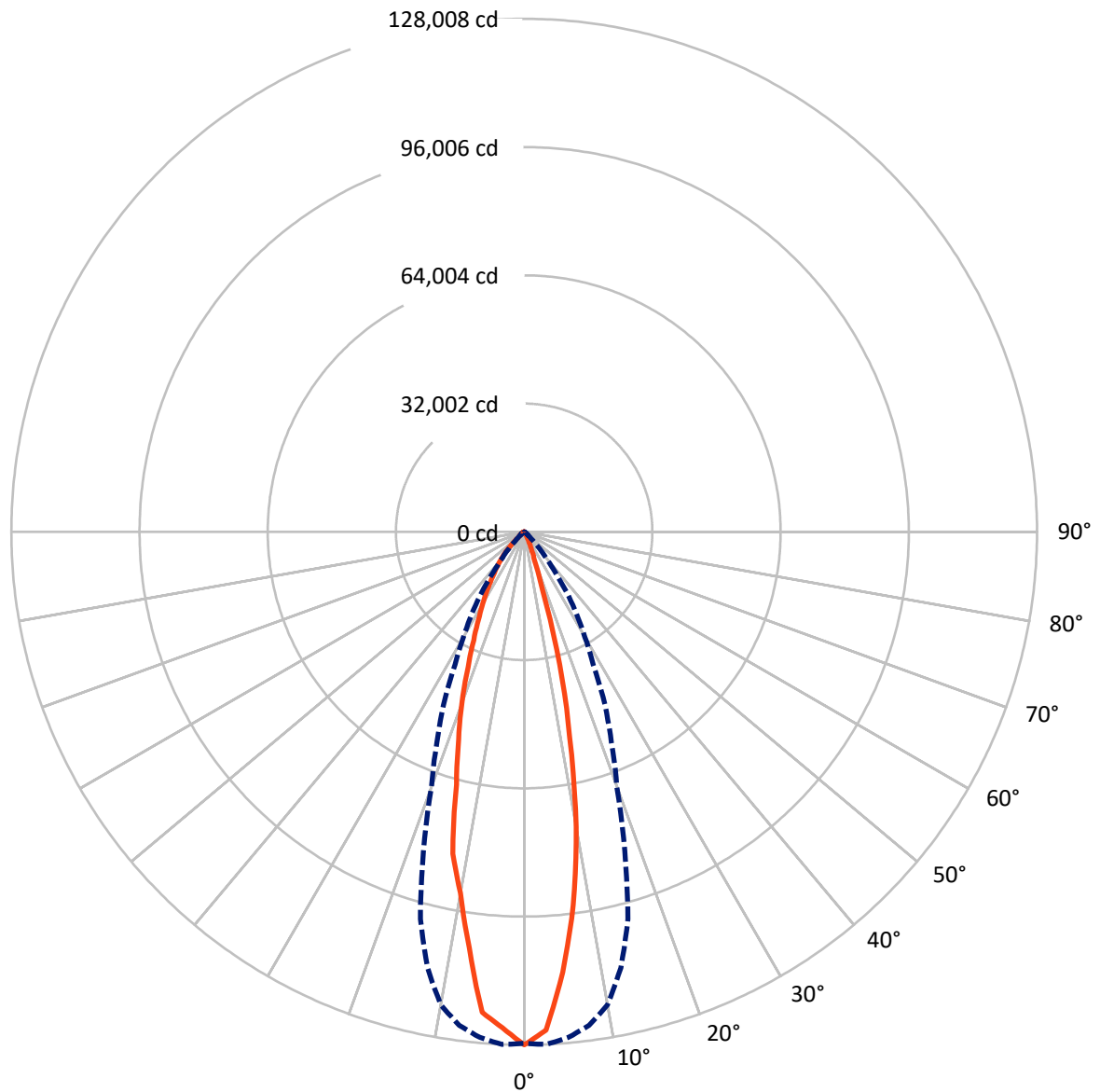
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Lumen Table

90																			
80	0.2	0.5		0.8		0.8		0.5		0.8		0.8		0.5		0.2			
70																			
60	0.2	0.1	0.2	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.2	0.1	0.2			
50		0.1	0.3	0.7	0.8	0.3	0.3	0.2	0.2	0.3	0.3	0.8	0.7	0.3	0.1				
40	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.2			
30		0.2	0.5	0.9	1.9	4.2	6.6	9.0	9.0	6.6	4.2	1.9	0.9	0.5	0.2				
20	0.3	0.3	1.4	3.6	16.4	37.4	70.2	99.6	99.6	70.2	37.4	16.4	3.6	1.4	0.3	0.3			
10		0.9	5.0	22.2	128.9	342.4	703.5	1041.5	1041.5	703.5	342.4	128.9	22.2	5.0	0.9				
0	0.3	1.6	10.7	66.7	377.2	1074.4	2309.2	3180.9	3180.9	2309.2	1074.4	377.2	66.7	10.7	1.6	0.3			
-10		2.2	13.1	82.6	430.7	1175.3	2581.6	3429.4	3429.4	2581.6	1175.3	430.7	82.6	13.1	2.2				
-20	0.4	2.4	11.8	53.0	273.8	706.2	1431.0	1992.5	1992.5	1431.0	706.2	273.8	53.0	11.8	2.4	0.4			
-30		2.2	9.8	24.6	144.1	403.4	705.2	912.7	912.7	705.2	403.4	144.1	24.6	9.8	2.2				
-40	0.4	1.7	7.3	16.1	48.1	183.7	327.7	417.6	417.6	327.7	183.7	48.1	16.1	7.3	1.7	0.4			
-50		1.1	4.6	12.0	21.8	39.5	86.6	127.2	127.2	86.6	39.5	21.8	12.0	4.6	1.1				
-60	0.2	0.5	2.3	6.4	12.8	20.2	26.0	29.3	29.3	26.0	20.2	12.8	6.4	2.3	0.5	0.2			
-70		0.2	0.8	2.3	4.5	7.6	10.7	12.6	12.6	10.7	7.6	4.5	2.3	0.8	0.2				
-80	0.2	0.7		2.3		6.1		8.1		6.1		2.3		0.7		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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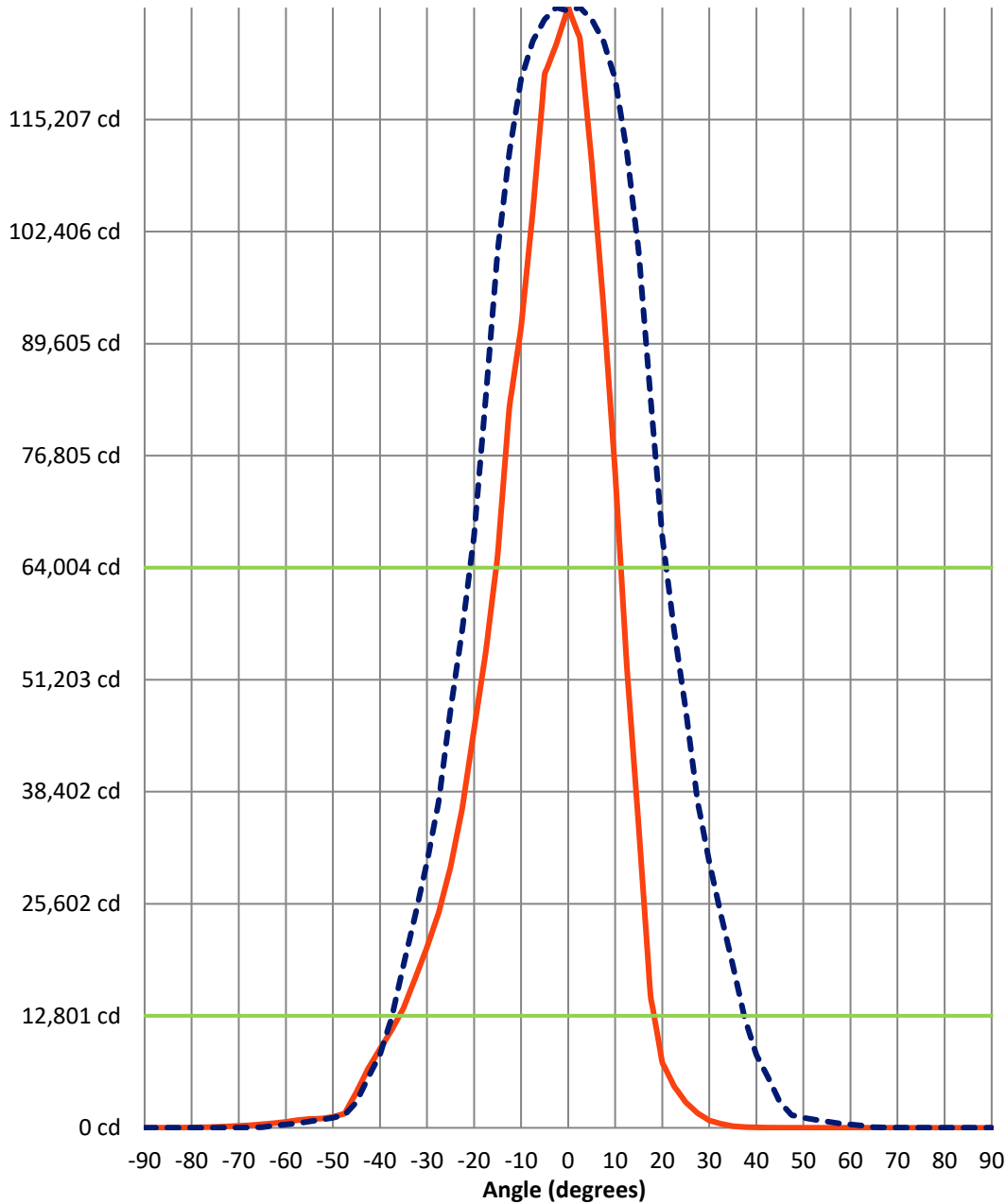
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 41.7°
 V Angle: 26.5°
 Lumens: 25139.8
 Efficiency: 49.6%

Field:
 H Angle: 74.8°
 V Angle: 54.1°
 Lumens: 45470
 Efficiency: 89.6%

Spill:
 Lumens: 5253.7
 Efficiency: 10.4%

— Vertical Distribution through -2.5-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°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	7.8	7.8	8.0	8.0	8.1	8.2	8.3	8.2	8.1	8.0	7.8
85°	7.8	7.9	8.1	8.3	8.5	8.6	8.8	8.7	8.5	8.2	7.8
82.5°	7.8	7.9	8.3	8.5	8.8	9.0	9.3	9.1	8.8	8.5	8.3
80°	7.8	8.0	8.4	8.8	9.1	9.4	9.7	9.4	9.1	9.0	9.1
77.5°	7.8	8.0	8.6	9.0	9.4	9.7	9.7	9.5	9.4	9.6	9.7
75°	7.8	8.0	8.7	9.3	9.7	9.7	9.7	9.6	9.7	9.7	9.7
72.5°	7.8	8.1	8.9	9.5	9.7	9.7	9.7	9.7	9.7	9.7	9.7
70°	7.8	8.1	9.0	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
67.5°	7.8	8.1	9.1	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
65°	7.8	8.2	9.3	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
62.5°	7.8	8.2	9.4	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
60°	7.8	8.2	9.4	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
57.5°	7.8	8.2	9.4	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
55°	7.8	8.2	9.4	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
52.5°	7.8	8.3	9.4	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
50°	7.8	8.3	9.4	9.7	9.7	9.7	9.7	9.8	9.7	9.7	10.3
47.5°	7.8	8.3	9.4	9.7	9.7	9.7	9.7	10.0	9.7	9.7	11.0
45°	7.8	8.3	9.4	9.7	9.7	9.7	9.9	10.1	9.9	10.3	11.6
42.5°	7.8	8.3	9.4	9.7	9.7	9.7	10.1	10.4	10.1	10.8	12.3
40°	7.8	8.3	9.4	9.7	9.7	9.7	10.3	10.6	10.6	11.4	12.9
37.5°	7.8	8.3	9.4	9.7	9.7	9.7	10.5	10.9	11.3	12.2	13.4
35°	7.8	8.2	9.4	9.7	9.7	9.8	10.8	11.3	12.0	13.0	13.8
32.5°	7.8	8.2	9.4	9.7	9.7	10.0	11.1	11.7	12.6	13.9	15.0
30°	7.8	8.2	9.4	9.7	9.7	10.3	11.4	12.1	13.3	14.9	16.5
27.5°	7.8	8.2	9.5	9.7	9.7	10.5	11.8	12.7	14.0	15.8	18.1
25°	7.8	8.2	9.5	9.7	9.7	10.7	12.1	13.2	14.8	17.1	20.1
22.5°	7.8	8.1	9.5	9.7	9.7	10.9	12.5	13.7	15.6	18.6	23.6
20°	7.8	8.1	9.5	9.7	9.7	11.1	12.8	14.2	16.4	20.2	27.6
17.5°	7.8	8.1	9.6	9.7	9.7	11.2	13.1	14.7	17.3	21.9	31.9
15°	7.8	8.0	9.6	9.7	9.7	11.4	13.2	15.0	18.1	23.6	36.5
12.5°	7.8	8.0	9.6	9.7	9.7	11.5	13.3	15.2	18.8	25.3	41.2
10°	7.8	8.0	9.7	9.7	9.7	11.5	13.4	15.3	19.4	27.6	46.5
7.5°	7.8	7.9	9.7	9.7	9.7	11.6	13.5	15.4	20.0	30.0	52.7
5°	7.8	7.9	9.7	9.7	9.7	11.7	13.6	15.4	20.5	32.4	58.8
2.5°	7.8	7.8	9.7	9.7	9.7	11.7	13.6	15.5	21.0	34.8	64.6
0°	7.8	7.8	9.7	9.7	9.7	11.7	13.6	15.5	21.0	34.8	64.6
-2.5°	7.8	7.8	9.7	9.7	9.9	11.9	13.8	17.3	26.6	46.4	85.4
-5°	7.8	7.9	9.7	9.7	10.0	12.1	14.1	19.0	31.6	55.3	99.8
-7.5°	7.8	7.9	9.7	9.7	10.2	12.2	14.3	20.6	36.1	63.6	112.9
-10°	7.8	8.0	9.7	9.7	10.4	12.4	14.4	22.0	40.1	70.9	124.3
-12.5°	7.8	8.0	9.6	9.7	10.5	12.5	14.6	23.0	43.4	77.2	133.1
-15°	7.8	8.0	9.6	9.7	10.6	12.6	14.7	23.7	46.1	82.4	139.5
-17.5°	7.8	8.1	9.6	9.7	10.7	12.7	14.8	24.8	48.4	86.2	143.9
-20°	7.8	8.1	9.5	9.7	10.7	12.8	15.3	26.1	49.8	88.4	145.9



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.8	8.1	9.5	9.7	10.8	12.8	16.2	27.1	50.2	89.0	145.5
-25°	7.8	8.2	9.5	9.7	10.8	12.9	16.8	27.5	49.6	87.8	142.6
-27.5°	7.8	8.2	9.5	9.7	10.7	12.9	17.0	27.5	47.9	85.5	140.8
-30°	7.8	8.2	9.4	9.7	10.6	12.8	16.9	26.9	46.8	83.4	136.8
-32.5°	7.8	8.2	9.4	9.7	10.5	12.7	16.4	26.7	46.1	79.7	130.2
-35°	7.8	8.2	9.4	9.7	10.4	12.4	16.1	26.2	44.6	74.5	120.9
-37.5°	7.8	8.3	9.4	9.7	10.3	12.1	15.8	25.1	42.4	67.7	108.4
-40°	7.8	8.3	9.4	9.7	10.1	11.9	15.3	23.4	39.4	63.1	96.5
-42.5°	7.8	8.3	9.4	9.7	10.1	11.7	14.7	21.0	36.5	57.4	83.8
-45°	7.8	8.3	9.4	9.8	10.1	11.5	13.9	18.9	33.0	50.8	71.2
-47.5°	7.8	8.3	9.4	9.8	10.2	11.3	13.0	17.8	28.7	43.7	63.1
-50°	7.8	8.3	9.4	9.8	10.2	11.0	12.6	16.5	23.2	37.4	54.2
-52.5°	7.8	8.3	9.4	9.9	10.3	10.8	12.3	15.0	20.1	30.8	44.9
-55°	7.8	8.2	9.4	9.9	10.3	10.8	12.0	13.4	18.0	23.7	37.0
-57.5°	7.8	8.2	9.4	9.9	10.4	10.8	11.6	13.0	15.8	20.2	28.6
-60°	7.8	8.2	9.4	9.8	10.4	10.9	11.3	12.6	14.0	17.7	21.8
-62.5°	7.8	8.2	9.4	9.8	10.4	10.9	11.4	12.2	13.5	15.1	18.9
-65°	7.8	8.2	9.3	9.8	10.3	11.0	11.4	11.9	12.9	14.1	16.0
-67.5°	7.8	8.1	9.1	9.8	10.1	10.9	11.5	11.9	12.4	13.5	14.7
-70°	7.8	8.1	9.0	9.7	10.0	10.6	11.5	11.8	12.2	12.9	14.0
-72.5°	7.8	8.1	8.9	9.5	9.9	10.4	11.2	11.7	12.0	12.5	13.3
-75°	7.8	8.0	8.7	9.3	9.7	10.1	10.7	11.3	11.7	12.1	12.6
-77.5°	7.8	8.0	8.6	9.0	9.4	9.8	10.2	10.7	11.1	11.5	11.9
-80°	7.8	8.0	8.4	8.8	9.1	9.4	9.8	10.1	10.4	10.7	11.1
-82.5°	7.8	7.9	8.3	8.5	8.8	9.0	9.3	9.5	9.7	10.0	10.2
-85°	7.8	7.9	8.1	8.3	8.5	8.6	8.8	8.9	9.1	9.3	9.4
-87.5°	7.8	7.8	8.0	8.0	8.1	8.2	8.3	8.4	8.4	8.5	8.6
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8



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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°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
82.5°	8.4	8.3	8.1	7.8	7.8	7.8	7.8	8.0	8.1	8.1	8.0
80°	9.1	8.8	8.5	8.4	8.6	8.9	9.1	9.4	9.2	8.8	8.4
77.5°	9.4	9.3	9.3	9.4	9.7	9.7	9.7	9.7	9.4	8.9	8.4
75°	9.6	9.7	9.7	9.7	9.7	9.7	9.7	10.1	10.2	10.1	9.9
72.5°	9.7	9.7	9.7	9.7	9.8	10.0	10.5	11.3	11.7	11.6	11.5
70°	9.7	9.7	9.7	9.7	9.8	10.5	11.5	12.5	13.2	13.4	14.2
67.5°	9.7	9.7	9.7	9.8	10.5	11.6	12.7	14.5	16.8	17.8	19.1
65°	9.7	9.7	9.9	10.6	11.6	13.0	15.0	17.6	22.7	25.6	26.8
62.5°	9.7	9.8	10.4	11.3	12.6	14.3	18.1	23.8	31.1	35.3	34.9
60°	9.7	9.9	10.9	12.2	13.7	16.6	22.1	29.7	39.4	46.5	42.0
57.5°	9.7	10.4	11.8	13.5	15.7	18.3	25.3	34.7	44.4	55.1	47.0
55°	10.0	11.1	12.9	15.2	17.5	19.9	26.6	34.9	45.8	51.6	43.8
52.5°	10.8	12.0	14.5	16.8	19.0	20.5	23.6	31.6	37.4	41.7	37.4
50°	11.5	13.5	15.9	17.8	19.4	19.3	18.5	24.6	29.3	30.7	30.4
47.5°	12.5	14.8	16.6	18.3	18.6	18.2	16.3	19.2	22.5	24.0	22.9
45°	13.5	15.5	17.2	17.9	18.1	17.4	16.8	16.0	19.5	20.2	19.3
42.5°	14.3	16.1	17.4	17.6	18.3	18.6	18.5	18.0	18.5	18.9	18.7
40°	14.8	16.6	17.7	19.2	19.5	21.2	22.4	22.3	18.9	20.9	21.3
37.5°	15.2	17.1	19.2	23.1	22.6	25.4	27.5	30.3	27.6	25.9	29.0
35°	15.6	17.9	24.4	29.1	29.3	31.1	37.9	41.2	39.1	37.0	40.8
32.5°	16.2	18.9	31.3	36.2	39.0	41.8	51.4	53.2	54.9	55.9	59.0
30°	18.0	25.2	39.1	44.2	50.3	60.8	65.9	67.4	74.5	84.0	109.9
27.5°	21.6	33.4	46.6	54.5	64.2	82.0	88.7	89.5	101.3	126.2	188.5
25°	26.1	53.0	54.7	66.3	84.2	105.6	119.4	132.8	137.3	212.1	360.7
22.5°	36.6	78.0	86.8	78.8	105.7	133.2	162.6	200.2	257.2	343.4	563.9
20°	55.1	105.4	126.8	132.3	139.0	164.4	212.7	288.5	466.3	773.4	1066.2
17.5°	76.4	137.0	171.6	199.7	231.4	241.6	272.9	393.8	730.2	1386.3	2153.7
15°	99.8	171.9	220.0	275.2	333.6	378.5	444.1	632.9	1175.4	2232.8	3550.8
12.5°	124.7	209.3	271.1	356.8	443.3	523.7	646.8	1050.4	1963.0	3429.6	5428.9
10°	150.1	248.3	323.9	442.8	558.4	674.7	856.9	1528.3	2894.3	4705.1	7139.9
7.5°	177.9	286.5	376.5	530.8	676.4	828.9	1070.3	2042.3	3858.7	5883.2	8622.1
5°	205.1	322.1	423.3	601.4	772.9	962.6	1264.1	2563.5	4815.7	6958.0	9965.9
2.5°	230.3	355.7	468.3	665.5	852.3	1060.4	1370.6	2778.5	5366.6	7751.1	11290.5
0°	252.4	386.4	510.7	724.3	926.2	1151.5	1464.1	2934.0	5745.7	8359.3	12582.6
-2.5°	262.0	398.2	531.7	742.2	923.2	1137.0	1464.6	2985.6	6070.5	9081.7	13235.1
-5°	267.9	406.4	548.5	753.8	915.8	1115.4	1450.3	2962.8	6123.8	9248.6	12977.3
-7.5°	270.4	411.2	560.5	756.3	897.1	1072.8	1385.5	2746.4	5543.3	8482.7	11768.6
-10°	269.7	410.0	555.6	732.7	863.0	1016.1	1298.8	2461.2	4871.3	7618.3	10483.9
-12.5°	264.8	403.4	544.7	706.8	829.7	956.4	1199.2	2110.2	4134.7	6681.3	9254.2
-15°	257.9	394.1	530.2	679.8	798.9	895.1	1087.0	1695.7	3367.0	5840.8	8266.7
-17.5°	249.3	382.5	512.3	652.7	772.0	833.2	967.1	1280.9	2680.4	4940.4	7272.5
-20°	239.4	368.6	491.2	626.6	747.1	792.5	903.4	1154.9	2119.4	3937.0	6193.2



REPORT NUMBER: P701597 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	228.6	352.7	469.0	599.2	710.9	771.3	847.5	1021.5	1511.3	2838.6	5027.6
-25°	222.0	335.9	447.5	563.3	675.0	751.1	790.3	893.5	1142.6	2141.9	3798.0
-27.5°	217.6	319.2	418.4	524.5	639.5	726.1	758.3	829.4	1004.3	1419.3	2642.0
-30°	210.0	293.5	386.8	484.9	596.1	686.2	738.1	779.8	885.4	1112.6	1812.2
-32.5°	194.3	266.2	355.0	447.9	548.2	648.2	722.8	763.0	831.4	948.9	1183.9
-35°	175.8	243.7	322.5	408.4	498.7	601.5	689.1	755.6	787.8	868.9	1019.5
-37.5°	158.7	219.6	288.6	368.9	453.7	548.4	650.7	725.6	779.1	816.3	923.8
-40°	140.0	193.9	258.7	330.5	408.2	495.0	589.9	682.6	753.9	815.7	863.6
-42.5°	120.4	171.4	229.1	290.8	364.0	442.6	526.4	618.8	710.7	794.2	858.8
-45°	105.3	147.2	198.8	256.3	318.7	389.4	466.5	547.2	643.0	739.2	822.8
-47.5°	89.4	123.5	170.1	219.7	275.5	337.7	405.3	481.2	562.1	655.0	753.2
-50°	74.3	105.0	139.3	184.8	233.3	287.2	346.9	413.5	486.2	563.3	648.6
-52.5°	63.5	85.5	115.4	149.9	192.9	239.0	291.1	348.3	411.2	476.9	546.1
-55°	51.9	70.7	92.4	120.8	153.7	193.8	237.5	287.4	337.8	396.3	449.2
-57.5°	41.5	56.8	74.0	94.5	121.3	150.5	188.9	228.6	273.8	319.5	358.6
-60°	31.6	44.1	58.5	74.2	91.5	116.7	142.4	175.5	212.2	247.1	280.7
-62.5°	22.7	32.8	44.5	57.3	71.5	85.9	107.1	130.4	153.7	183.1	210.2
-65°	19.5	23.3	31.8	42.5	53.3	66.9	80.3	92.9	112.5	131.6	149.4
-67.5°	16.1	19.2	22.9	28.3	38.1	49.2	60.3	72.2	83.4	93.3	104.3
-70°	14.8	15.4	17.9	21.3	25.7	32.6	42.5	52.4	62.0	71.4	80.2
-72.5°	14.0	14.5	15.0	15.4	18.9	23.7	28.8	34.2	41.0	48.5	56.3
-75°	13.1	13.6	14.0	14.4	15.5	17.3	19.7	24.1	28.4	32.2	35.7
-77.5°	12.3	12.6	13.0	13.3	14.0	15.1	16.6	18.3	20.4	22.7	25.0
-80°	11.4	11.7	12.0	12.2	12.7	13.3	14.0	14.8	16.0	17.7	19.5
-82.5°	10.5	10.7	10.9	11.1	11.3	11.6	11.8	12.1	12.7	13.4	14.2
-85°	9.6	9.7	9.8	10.0	10.1	10.3	10.4	10.5	10.6	10.8	10.9
-87.5°	8.7	8.7	8.8	8.9	9.0	9.0	9.1	9.1	9.2	9.3	9.3
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8



REPORT NUMBER: P701597 (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°	7.8	8.3	8.8	9.2	9.7	11.1	12.6	14.0	15.5	15.0	14.5
87.5°	7.8	7.3	6.8	6.3	5.8	5.3	4.9	4.4	3.9	3.4	2.9
85°	7.8	7.6	7.5	7.5	7.4	7.0	6.6	6.1	5.7	4.8	3.8
82.5°	7.8	7.8	7.8	7.8	7.8	7.3	6.8	6.3	5.8	4.9	3.9
80°	7.9	7.8	7.8	7.8	7.8	7.4	6.9	6.4	5.8	4.9	3.9
77.5°	8.1	8.1	8.1	8.0	7.9	7.4	6.9	6.4	5.9	4.9	3.9
75°	9.7	9.5	9.1	8.6	8.0	7.4	6.9	6.4	5.9	5.3	4.8
72.5°	11.4	11.0	10.4	10.1	9.5	9.1	8.7	8.2	7.5	7.1	6.7
70°	15.0	15.3	15.0	14.2	13.1	11.9	11.2	10.4	9.5	8.7	7.9
67.5°	20.2	20.3	19.2	17.6	15.4	13.3	12.2	11.2	10.2	9.6	9.5
65°	26.5	24.1	21.7	19.1	16.2	13.4	12.4	11.3	10.3	9.7	9.7
62.5°	32.2	26.0	20.9	17.8	15.3	13.4	12.0	10.6	9.3	8.3	8.1
60°	34.7	24.7	17.7	15.4	13.5	11.9	10.5	9.4	8.4	7.7	7.2
57.5°	34.7	23.5	14.9	13.0	11.4	10.1	9.4	8.8	8.3	7.7	7.2
55°	31.6	20.9	12.4	11.2	10.6	10.1	9.5	8.9	8.4	7.8	7.2
52.5°	25.8	18.4	13.2	11.4	10.8	10.2	9.6	9.1	8.5	7.9	7.3
50°	22.4	16.8	13.4	11.5	11.0	10.4	9.8	9.6	9.6	9.2	8.8
47.5°	19.4	15.4	13.3	11.8	11.6	12.3	12.9	13.1	12.8	12.4	11.9
45°	17.0	14.9	13.8	14.4	15.0	16.2	16.9	17.0	16.9	17.0	16.9
42.5°	16.8	17.0	18.1	20.0	19.9	22.5	23.7	20.9	23.9	25.6	24.1
40°	22.4	22.9	28.2	32.6	36.7	37.3	43.6	44.5	45.3	48.0	48.5
37.5°	32.7	38.4	55.0	67.5	72.7	73.1	82.3	84.2	81.6	92.7	95.9
35°	50.1	76.0	102.9	118.4	127.1	133.7	146.1	160.4	153.6	178.3	186.9
32.5°	89.9	137.3	186.1	184.3	200.9	245.1	261.5	287.6	314.8	356.4	402.1
30°	151.2	279.3	335.8	315.2	361.8	425.0	425.5	498.1	599.3	685.3	814.7
27.5°	340.7	484.0	558.0	591.0	626.4	706.2	805.2	897.6	1155.1	1331.2	1516.2
25°	578.3	776.3	855.5	978.3	1089.9	1163.9	1463.1	1681.4	2051.5	2320.2	2598.3
22.5°	932.6	1194.3	1358.2	1469.4	1845.1	2179.2	2498.8	2974.3	3341.9	3802.8	4150.0
20°	1376.1	1729.6	2331.6	2804.0	3040.0	3749.6	4327.6	4819.0	5471.0	6042.5	6550.9
17.5°	2596.6	2795.2	4052.9	5283.8	5781.3	6698.9	8360.8	8987.9	10865.0	12239.5	12981.7
15°	4701.6	5662.1	6986.8	9038.8	11315.1	13113.3	14688.7	17914.9	21496.5	24671.4	28014.1
12.5°	7434.7	9312.9	11542.4	14052.6	18153.9	21408.4	24894.4	29505.0	35290.7	40326.3	46250.2
10°	10172.7	13346.3	16428.1	20339.5	25520.1	30545.0	35566.0	42868.5	51367.3	59527.0	66582.2
7.5°	12436.5	16738.9	20915.4	26322.9	33379.3	40380.3	47397.8	57056.3	68296.5	77609.1	85615.1
5°	14740.5	20128.7	25027.9	31264.3	39569.3	48096.1	56878.0	68921.3	82197.8	92743.0	101003.2
2.5°	16856.3	22961.9	28632.4	35586.3	44834.7	53177.4	63173.9	77958.7	93778.6	105154.7	114260.8
0°	18565.2	24287.5	30345.8	37343.9	47728.4	56924.6	67637.3	83491.8	100045.3	111411.3	119814.3
-2.5°	18197.3	23985.3	29649.6	36759.7	47185.2	55651.4	66496.7	82095.9	98450.7	109998.5	117545.7
-5°	17049.0	22171.8	27257.6	33935.2	43103.0	51352.8	61973.7	78008.3	93696.2	105472.0	114156.1
-7.5°	15351.0	19700.7	24313.6	30398.2	38378.3	46270.1	55507.9	68286.7	82928.8	93580.5	99874.9
-10°	13563.4	17164.7	21484.7	26626.8	33213.0	40301.1	47972.9	58209.7	70721.1	80062.2	86033.7
-12.5°	11996.4	15116.7	18970.6	22773.7	28147.1	34460.2	41272.4	49649.4	57905.1	67755.5	72918.1
-15°	10553.1	13154.0	16465.5	20111.9	24577.3	29539.0	34420.2	40692.4	46068.5	52221.5	56691.9
-17.5°	9345.5	11422.6	14356.8	17890.6	21252.9	25525.4	30183.5	34432.2	38977.5	43419.2	47126.3
-20°	8254.1	9967.9	12469.8	15581.2	18893.9	22527.0	26637.4	30095.8	33809.9	37185.1	40084.6



REPORT NUMBER: P701597 (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°	7013.8	8751.6	10689.2	13351.3	16668.9	19926.1	22969.9	25583.6	28390.1	31117.5	33176.3
-25°	5723.0	7390.8	9245.9	11758.2	14475.9	17216.7	19372.3	21212.4	23403.2	25368.5	27135.3
-27.5°	4388.2	6166.4	8167.3	10265.6	12629.6	14371.3	16185.3	17849.5	19514.5	20836.8	22329.0
-30°	3050.7	4991.0	6958.9	8945.0	10564.2	11954.5	13307.5	14833.6	16340.1	17596.9	18650.1
-32.5°	2095.0	3494.6	5480.4	7327.3	8711.4	9892.9	10938.0	12239.3	13406.7	14441.1	15362.5
-35°	1258.3	2244.3	3607.8	5363.1	6877.5	8027.0	9091.4	10078.3	10949.6	11820.8	12513.9
-37.5°	1078.0	1296.4	2123.4	3290.5	4731.7	6122.9	7216.6	8140.3	8952.2	9623.0	10211.2
-40°	970.7	1099.9	1280.7	1678.9	2740.1	3802.6	4996.1	6049.0	6905.4	7535.5	8047.3
-42.5°	907.4	990.2	1078.6	1220.5	1378.2	1882.6	2795.8	3668.1	4420.7	5118.7	5717.9
-45°	896.6	931.7	979.3	1059.2	1132.0	1262.7	1405.5	1545.0	2137.0	2698.0	3158.3
-47.5°	829.4	900.9	944.6	980.5	1018.6	1080.4	1140.7	1205.3	1312.9	1414.0	1500.7
-50°	731.4	808.4	874.4	938.9	972.7	997.8	1022.7	1054.8	1096.8	1135.2	1170.5
-52.5°	611.2	685.2	759.3	828.0	881.8	931.1	975.6	996.3	1012.2	1026.6	1037.9
-55°	504.5	562.9	621.3	684.0	746.1	805.2	856.2	889.9	920.3	947.2	970.1
-57.5°	403.8	449.4	496.9	548.0	597.5	645.2	690.6	732.0	768.8	800.9	827.8
-60°	312.8	343.5	383.2	423.7	462.3	498.8	535.7	569.2	599.5	626.1	647.0
-62.5°	234.7	260.2	290.3	318.9	344.2	371.5	405.9	434.7	458.3	477.5	494.3
-65°	168.7	189.9	214.1	238.1	261.6	285.0	309.0	332.2	354.3	371.9	384.4
-67.5°	119.7	134.8	151.8	166.7	184.3	204.7	226.5	246.4	264.6	277.1	284.6
-70°	88.2	97.0	109.4	123.6	138.3	152.0	165.8	179.7	193.3	203.0	210.2
-72.5°	64.3	73.1	82.1	91.3	101.3	111.3	121.4	131.7	141.9	148.3	152.7
-75°	39.0	44.2	52.1	59.7	67.2	74.2	80.8	86.9	92.7	95.7	97.6
-77.5°	28.0	31.6	35.5	39.5	43.6	47.7	51.8	56.0	60.0	61.8	63.2
-80°	21.3	23.4	25.6	27.9	30.4	32.8	35.3	37.9	40.4	40.8	40.9
-82.5°	15.2	16.6	18.1	19.6	21.0	22.4	23.8	25.1	26.4	26.6	26.8
-85°	11.0	11.8	12.8	13.8	14.8	15.8	16.8	17.9	19.0	19.1	19.2
-87.5°	9.4	9.9	10.4	11.0	11.5	12.1	12.6	13.2	13.7	13.6	13.6
-90°	7.8	7.3	6.8	6.3	5.8	5.3	4.9	4.4	3.9	3.4	2.9



REPORT NUMBER: P701597 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	14.1	13.6	13.6	13.6	13.6	13.6	14.1	14.5	15.0	15.5	14.0
87.5°	2.4	1.9	1.0	0.0	1.0	1.9	2.4	2.9	3.4	3.9	4.4
85°	2.9	1.9	1.9	1.9	1.9	1.9	2.9	3.8	4.8	5.7	6.1
82.5°	2.9	1.9	1.9	1.9	1.9	1.9	2.9	3.9	4.9	5.8	6.3
80°	2.9	1.9	1.9	1.9	1.9	1.9	2.9	3.9	4.9	5.8	6.4
77.5°	2.9	1.9	1.9	1.9	1.9	1.9	2.9	3.9	4.9	5.9	6.4
75°	4.3	3.9	2.9	1.9	2.9	3.9	4.3	4.8	5.3	5.9	6.4
72.5°	6.3	5.8	5.8	5.8	5.8	5.8	6.3	6.7	7.1	7.5	8.2
70°	6.9	5.9	5.8	5.8	5.8	5.9	6.9	7.9	8.7	9.5	10.4
67.5°	9.5	9.6	8.8	7.8	8.8	9.6	9.5	9.5	9.6	10.2	11.2
65°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	10.3	11.3
62.5°	8.0	7.9	7.8	7.8	7.8	7.9	8.0	8.1	8.3	9.3	10.6
60°	6.7	6.0	5.8	5.8	5.8	6.0	6.7	7.2	7.7	8.4	9.4
57.5°	6.6	6.0	5.8	5.8	5.8	6.0	6.6	7.2	7.7	8.3	8.8
55°	6.6	6.0	5.8	5.8	5.8	6.0	6.6	7.2	7.8	8.4	8.9
52.5°	6.7	6.1	6.5	7.8	6.5	6.1	6.7	7.3	7.9	8.5	9.1
50°	8.4	7.9	7.8	7.8	7.8	7.9	8.4	8.8	9.2	9.6	9.6
47.5°	11.2	10.2	9.7	9.7	9.7	10.2	11.2	11.9	12.4	12.8	13.1
45°	15.8	14.4	13.5	13.6	13.5	14.4	15.8	16.9	17.0	16.9	17.0
42.5°	23.8	23.3	23.1	23.3	23.1	23.3	23.8	24.1	25.6	23.9	20.9
40°	51.1	51.9	51.6	52.4	51.6	51.9	51.1	48.5	48.0	45.3	44.5
37.5°	96.3	93.1	88.3	89.3	88.3	93.1	96.3	95.9	92.7	81.6	84.2
35°	188.0	192.8	192.5	194.2	192.5	192.8	188.0	186.9	178.3	153.6	160.4
32.5°	435.1	458.2	458.7	468.0	458.7	458.2	435.1	402.1	356.4	314.8	287.6
30°	854.7	873.1	845.4	858.3	845.4	873.1	854.7	814.7	685.3	599.3	498.1
27.5°	1612.4	1680.4	1679.7	1650.5	1679.7	1680.4	1612.4	1516.2	1331.2	1155.1	897.6
25°	2832.2	2937.2	2917.8	2883.5	2917.8	2937.2	2832.2	2598.3	2320.2	2051.5	1681.4
22.5°	4465.4	4638.8	4777.7	4687.4	4777.7	4638.8	4465.4	4150.0	3802.8	3341.9	2974.3
20°	7298.7	7348.3	7495.7	7442.8	7495.7	7348.3	7298.7	6550.9	6042.5	5471.0	4819.0
17.5°	14992.8	15530.7	15156.5	14017.6	15156.5	15530.7	14992.8	12981.7	12239.5	10865.0	8987.9
15°	30362.0	32616.4	34367.0	33406.0	34367.0	32616.4	30362.0	28014.1	24671.4	21496.5	17914.9
12.5°	49721.8	51385.3	52498.2	52579.9	52498.2	51385.3	49721.8	46250.2	40326.3	35290.7	29505.0
10°	71366.5	72836.3	74805.2	75082.0	74805.2	72836.3	71366.5	66582.2	59527.0	51367.3	42868.5
7.5°	89588.4	92569.1	93949.1	93763.7	93949.1	92569.1	89588.4	85615.1	77609.1	68296.5	57056.3
5°	105884.8	108972.8	110325.4	110550.2	110325.4	108972.8	105884.8	101003.2	92743.0	82197.8	68921.3
2.5°	119715.4	122833.0	124458.1	124012.4	124458.1	122833.0	119715.4	114260.8	105154.7	93778.6	77958.7
0°	124190.0	126645.4	128007.5	127633.8	128007.5	126645.4	124190.0	119814.3	111411.3	100045.3	83491.8
-2.5°	121345.6	122825.1	123851.6	123455.1	123851.6	122825.1	121345.6	117545.7	109998.5	98450.7	82095.9
-5°	118193.2	119948.7	120332.9	120802.7	120332.9	119948.7	118193.2	114156.1	105472.0	93696.2	78008.3
-7.5°	102269.3	104147.4	104767.6	105707.4	104767.6	104147.4	102269.3	99874.9	93580.5	82928.8	68286.7
-10°	89283.1	91389.4	91490.9	92070.5	91490.9	91389.4	89283.1	86033.7	80062.2	70721.1	58209.7
-12.5°	78405.3	81303.9	82265.6	82035.5	82265.6	81303.9	78405.3	72918.1	67755.5	57905.1	49649.4
-15°	62643.5	65119.5	65296.2	65412.0	65296.2	65119.5	62643.5	56691.9	52221.5	46068.5	40692.4
-17.5°	51060.1	53466.2	54393.7	54681.9	54393.7	53466.2	51060.1	47126.3	43419.2	38977.5	34432.2
-20°	42573.7	44364.9	45497.9	45967.3	45497.9	44364.9	42573.7	40084.6	37185.1	33809.9	30095.8



REPORT NUMBER: P701597 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	34976.0	36111.4	36525.6	36629.3	36525.6	36111.4	34976.0	33176.3	31117.5	28390.1	25583.6
-25°	28376.5	29278.4	29802.7	30021.5	29802.7	29278.4	28376.5	27135.3	25368.5	23403.2	21212.4
-27.5°	23296.7	24099.4	24604.1	24681.7	24604.1	24099.4	23296.7	22329.0	20836.8	19514.5	17849.5
-30°	19456.4	20161.3	20632.9	20761.3	20632.9	20161.3	19456.4	18650.1	17596.9	16340.1	14833.6
-32.5°	16121.6	16724.9	17095.0	17254.5	17095.0	16724.9	16121.6	15362.5	14441.1	13406.7	12239.3
-35°	13031.3	13436.9	13673.9	13596.2	13673.9	13436.9	13031.3	12513.9	11820.8	10949.6	10078.3
-37.5°	10682.8	11009.1	11186.7	11196.2	11186.7	11009.1	10682.8	10211.2	9623.0	8952.2	8140.3
-40°	8471.2	8802.6	9002.3	9013.6	9002.3	8802.6	8471.2	8047.3	7535.5	6905.4	6049.0
-42.5°	6194.5	6533.8	6765.6	6916.5	6765.6	6533.8	6194.5	5717.9	5118.7	4420.7	3668.1
-45°	3542.4	3835.6	4059.1	4221.4	4059.1	3835.6	3542.4	3158.3	2698.0	2137.0	1545.0
-47.5°	1565.6	1613.1	1633.9	1627.2	1633.9	1613.1	1565.6	1500.7	1414.0	1312.9	1205.3
-50°	1202.8	1230.9	1245.0	1244.7	1245.0	1230.9	1202.8	1170.5	1135.2	1096.8	1054.8
-52.5°	1046.9	1054.0	1058.2	1060.2	1058.2	1054.0	1046.9	1037.9	1026.6	1012.2	996.3
-55°	989.0	1003.8	1009.4	1007.8	1009.4	1003.8	989.0	970.1	947.2	920.3	889.9
-57.5°	850.6	869.0	881.2	887.4	881.2	869.0	850.6	827.8	800.9	768.8	732.0
-60°	662.7	673.7	680.5	683.5	680.5	673.7	662.7	647.0	626.1	599.5	569.2
-62.5°	509.0	521.5	527.7	530.1	527.7	521.5	509.0	494.3	477.5	458.3	434.7
-65°	395.3	404.4	409.4	411.7	409.4	404.4	395.3	384.4	371.9	354.3	332.2
-67.5°	290.4	294.4	296.5	297.1	296.5	294.4	290.4	284.6	277.1	264.6	246.4
-70°	216.8	222.7	226.5	229.1	226.5	222.7	216.8	210.2	203.0	193.3	179.7
-72.5°	156.4	159.5	161.7	163.1	161.7	159.5	156.4	152.7	148.3	141.9	131.7
-75°	99.1	100.2	100.8	101.0	100.8	100.2	99.1	97.6	95.7	92.7	86.9
-77.5°	64.4	65.5	66.8	68.0	66.8	65.5	64.4	63.2	61.8	60.0	56.0
-80°	40.8	40.6	40.7	40.8	40.7	40.6	40.8	40.9	40.8	40.4	37.9
-82.5°	27.0	27.1	27.2	27.2	27.2	27.1	27.0	26.8	26.6	26.4	25.1
-85°	19.3	19.4	19.4	19.4	19.4	19.4	19.3	19.2	19.1	19.0	17.9
-87.5°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.7	13.2
-90°	2.4	1.9	0.9	0.0	0.9	1.9	2.4	2.9	3.4	3.9	4.4



REPORT NUMBER: P701597 (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°
90°	12.6	11.1	9.7	9.2	8.8	8.3	7.8	7.8	7.8	7.8	7.8
87.5°	4.9	5.3	5.8	6.3	6.8	7.3	7.8	7.8	7.8	7.8	7.8
85°	6.6	7.0	7.4	7.5	7.5	7.6	7.8	7.8	7.8	7.8	7.8
82.5°	6.8	7.3	7.8	7.8	7.8	7.8	7.8	8.0	8.1	8.1	8.0
80°	6.9	7.4	7.8	7.8	7.8	7.8	7.9	8.4	8.8	9.2	9.4
77.5°	6.9	7.4	7.9	8.0	8.1	8.1	8.1	8.4	8.9	9.4	9.7
75°	6.9	7.4	8.0	8.6	9.1	9.5	9.7	9.9	10.1	10.2	10.1
72.5°	8.7	9.1	9.5	10.1	10.4	11.0	11.4	11.5	11.6	11.7	11.3
70°	11.2	11.9	13.1	14.2	15.0	15.3	15.0	14.2	13.4	13.2	12.5
67.5°	12.2	13.3	15.4	17.6	19.2	20.3	20.2	19.1	17.8	16.8	14.5
65°	12.4	13.4	16.2	19.1	21.7	24.1	26.5	26.8	25.6	22.7	17.6
62.5°	12.0	13.4	15.3	17.8	20.9	26.0	32.2	34.9	35.3	31.1	23.8
60°	10.5	11.9	13.5	15.4	17.7	24.7	34.7	42.0	46.5	39.4	29.7
57.5°	9.4	10.1	11.4	13.0	14.9	23.5	34.7	47.0	55.1	44.4	34.7
55°	9.5	10.1	10.6	11.2	12.4	20.9	31.6	43.8	51.6	45.8	34.9
52.5°	9.6	10.2	10.8	11.4	13.2	18.4	25.8	37.4	41.7	37.4	31.6
50°	9.8	10.4	11.0	11.5	13.4	16.8	22.4	30.4	30.7	29.3	24.6
47.5°	12.9	12.3	11.6	11.8	13.3	15.4	19.4	22.9	24.0	22.5	19.2
45°	16.9	16.2	15.0	14.4	13.8	14.9	17.0	19.3	20.2	19.5	16.0
42.5°	23.7	22.5	19.9	20.0	18.1	17.0	16.8	18.7	18.9	18.5	18.0
40°	43.6	37.3	36.7	32.6	28.2	22.9	22.4	21.3	20.9	18.9	22.3
37.5°	82.3	73.1	72.7	67.5	55.0	38.4	32.7	29.0	25.9	27.6	30.3
35°	146.1	133.7	127.1	118.4	102.9	76.0	50.1	40.8	37.0	39.1	41.2
32.5°	261.5	245.1	200.9	184.3	186.1	137.3	89.9	59.0	55.9	54.9	53.2
30°	425.5	425.0	361.8	315.2	335.8	279.3	151.2	109.9	84.0	74.5	67.4
27.5°	805.2	706.2	626.4	591.0	558.0	484.0	340.7	188.5	126.2	101.3	89.5
25°	1463.1	1163.9	1089.9	978.3	855.5	776.3	578.3	360.7	212.1	137.3	132.8
22.5°	2498.8	2179.2	1845.1	1469.4	1358.2	1194.3	932.6	563.9	343.4	257.2	200.2
20°	4327.6	3749.6	3040.0	2804.0	2331.6	1729.6	1376.1	1066.2	773.4	466.3	288.5
17.5°	8360.8	6698.9	5781.3	5283.8	4052.9	2795.2	2596.6	2153.7	1386.3	730.2	393.8
15°	14688.7	13113.3	11315.1	9038.8	6986.8	5662.1	4701.6	3550.8	2232.8	1175.4	632.9
12.5°	24894.4	21408.4	18153.9	14052.6	11542.4	9312.9	7434.7	5428.9	3429.6	1963.0	1050.4
10°	35566.0	30545.0	25520.1	20339.5	16428.1	13346.3	10172.7	7139.9	4705.1	2894.3	1528.3
7.5°	47397.8	40380.3	33379.3	26322.9	20915.4	16738.9	12436.5	8622.1	5883.2	3858.7	2042.3
5°	56878.0	48096.1	39569.3	31264.3	25027.9	20128.7	14740.5	9965.9	6958.0	4815.7	2563.5
2.5°	63173.9	53177.4	44834.7	35586.3	28632.4	22961.9	16856.3	11290.5	7751.1	5366.6	2778.5
0°	67637.3	56924.6	47728.4	37343.9	30345.8	24287.5	18565.2	12582.6	8359.3	5745.7	2934.0
-2.5°	66496.7	55651.4	47185.2	36759.7	29649.6	23985.3	18197.3	13235.1	9081.7	6070.5	2985.6
-5°	61973.7	51352.8	43103.0	33935.2	27257.6	22171.8	17049.0	12977.3	9248.6	6123.8	2962.8
-7.5°	55507.9	46270.1	38378.3	30398.2	24313.6	19700.7	15351.0	11768.6	8482.7	5543.3	2746.4
-10°	47972.9	40301.1	33213.0	26626.8	21484.7	17164.7	13563.4	10483.9	7618.3	4871.3	2461.2
-12.5°	41272.4	34460.2	28147.1	22773.7	18970.6	15116.7	11996.4	9254.2	6681.3	4134.7	2110.2
-15°	34420.2	29539.0	24577.3	20111.9	16465.5	13154.0	10553.1	8266.7	5840.8	3367.0	1695.7
-17.5°	30183.5	25525.4	21252.9	17890.6	14356.8	11422.6	9345.5	7272.5	4940.4	2680.4	1280.9
-20°	26637.4	22527.0	18893.9	15581.2	12469.8	9967.9	8254.1	6193.2	3937.0	2119.4	1154.9



REPORT NUMBER: P701597 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	22969.9	19926.1	16668.9	13351.3	10689.2	8751.6	7013.8	5027.6	2838.6	1511.3	1021.5
-25°	19372.3	17216.7	14475.9	11758.2	9245.9	7390.8	5723.0	3798.0	2141.9	1142.6	893.5
-27.5°	16185.3	14371.3	12629.6	10265.6	8167.3	6166.4	4388.2	2642.0	1419.3	1004.3	829.4
-30°	13307.5	11954.5	10564.2	8945.0	6958.9	4991.0	3050.7	1812.2	1112.6	885.4	779.8
-32.5°	10938.0	9892.9	8711.4	7327.3	5480.4	3494.6	2095.0	1183.9	948.9	831.4	763.0
-35°	9091.4	8027.0	6877.5	5363.1	3607.8	2244.3	1258.3	1019.5	868.9	787.8	755.6
-37.5°	7216.6	6122.9	4731.7	3290.5	2123.4	1296.4	1078.0	923.8	816.3	779.1	725.6
-40°	4996.1	3802.6	2740.1	1678.9	1280.7	1099.9	970.7	863.6	815.7	753.9	682.6
-42.5°	2795.8	1882.6	1378.2	1220.5	1078.6	990.2	907.4	858.8	794.2	710.7	618.8
-45°	1405.5	1262.7	1132.0	1059.2	979.3	931.7	896.6	822.8	739.2	643.0	547.2
-47.5°	1140.7	1080.4	1018.6	980.5	944.6	900.9	829.4	753.2	655.0	562.1	481.2
-50°	1022.7	997.8	972.7	938.9	874.4	808.4	731.4	648.6	563.3	486.2	413.5
-52.5°	975.6	931.1	881.8	828.0	759.3	685.2	611.2	546.1	476.9	411.2	348.3
-55°	856.2	805.2	746.1	684.0	621.3	562.9	504.5	449.2	396.3	337.8	287.4
-57.5°	690.6	645.2	597.5	548.0	496.9	449.4	403.8	358.6	319.5	273.8	228.6
-60°	535.7	498.8	462.3	423.7	383.2	343.5	312.8	280.7	247.1	212.2	175.5
-62.5°	405.9	371.5	344.2	318.9	290.3	260.2	234.7	210.2	183.1	153.7	130.4
-65°	309.0	285.0	261.6	238.1	214.1	189.9	168.7	149.4	131.6	112.5	92.9
-67.5°	226.5	204.7	184.3	166.7	151.8	134.8	119.7	104.3	93.3	83.4	72.2
-70°	165.8	152.0	138.3	123.6	109.4	97.0	88.2	80.2	71.4	62.0	52.4
-72.5°	121.4	111.3	101.3	91.3	82.1	73.1	64.3	56.3	48.5	41.0	34.2
-75°	80.8	74.2	67.2	59.7	52.1	44.2	39.0	35.7	32.2	28.4	24.1
-77.5°	51.8	47.7	43.6	39.5	35.5	31.6	28.0	25.0	22.7	20.4	18.3
-80°	35.3	32.8	30.4	27.9	25.6	23.4	21.3	19.5	17.7	16.0	14.8
-82.5°	23.8	22.4	21.0	19.6	18.1	16.6	15.2	14.2	13.4	12.7	12.1
-85°	16.8	15.8	14.8	13.8	12.8	11.8	11.0	10.9	10.8	10.6	10.5
-87.5°	12.6	12.1	11.5	11.0	10.4	9.9	9.4	9.3	9.3	9.2	9.1
-90°	4.9	5.3	5.8	6.3	6.8	7.3	7.8	7.8	7.8	7.8	7.8



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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°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.0	8.1	8.2
85°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.2	8.5	8.7
82.5°	7.8	7.8	7.8	7.8	8.1	8.3	8.4	8.3	8.5	8.8	9.1
80°	9.1	8.9	8.6	8.4	8.5	8.8	9.1	9.1	9.0	9.1	9.4
77.5°	9.7	9.7	9.7	9.4	9.3	9.3	9.4	9.7	9.6	9.4	9.5
75°	9.7	9.7	9.7	9.7	9.7	9.7	9.6	9.7	9.7	9.7	9.6
72.5°	10.5	10.0	9.8	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
70°	11.5	10.5	9.8	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
67.5°	12.7	11.6	10.5	9.8	9.7	9.7	9.7	9.7	9.7	9.7	9.7
65°	15.0	13.0	11.6	10.6	9.9	9.7	9.7	9.7	9.7	9.7	9.7
62.5°	18.1	14.3	12.6	11.3	10.4	9.8	9.7	9.7	9.7	9.7	9.7
60°	22.1	16.6	13.7	12.2	10.9	9.9	9.7	9.7	9.7	9.7	9.7
57.5°	25.3	18.3	15.7	13.5	11.8	10.4	9.7	9.7	9.7	9.7	9.7
55°	26.6	19.9	17.5	15.2	12.9	11.1	10.0	9.7	9.7	9.7	9.7
52.5°	23.6	20.5	19.0	16.8	14.5	12.0	10.8	9.7	9.7	9.7	9.7
50°	18.5	19.3	19.4	17.8	15.9	13.5	11.5	10.3	9.7	9.7	9.8
47.5°	16.3	18.2	18.6	18.3	16.6	14.8	12.5	11.0	9.7	9.7	10.0
45°	16.8	17.4	18.1	17.9	17.2	15.5	13.5	11.6	10.3	9.9	10.1
42.5°	18.5	18.6	18.3	17.6	17.4	16.1	14.3	12.3	10.8	10.1	10.4
40°	22.4	21.2	19.5	19.2	17.7	16.6	14.8	12.9	11.4	10.6	10.6
37.5°	27.5	25.4	22.6	23.1	19.2	17.1	15.2	13.4	12.2	11.3	10.9
35°	37.9	31.1	29.3	29.1	24.4	17.9	15.6	13.8	13.0	12.0	11.3
32.5°	51.4	41.8	39.0	36.2	31.3	18.9	16.2	15.0	13.9	12.6	11.7
30°	65.9	60.8	50.3	44.2	39.1	25.2	18.0	16.5	14.9	13.3	12.1
27.5°	88.7	82.0	64.2	54.5	46.6	33.4	21.6	18.1	15.8	14.0	12.7
25°	119.4	105.6	84.2	66.3	54.7	53.0	26.1	20.1	17.1	14.8	13.2
22.5°	162.6	133.2	105.7	78.8	86.8	78.0	36.6	23.6	18.6	15.6	13.7
20°	212.7	164.4	139.0	132.3	126.8	105.4	55.1	27.6	20.2	16.4	14.2
17.5°	272.9	241.6	231.4	199.7	171.6	137.0	76.4	31.9	21.9	17.3	14.7
15°	444.1	378.5	333.6	275.2	220.0	171.9	99.8	36.5	23.6	18.1	15.0
12.5°	646.8	523.7	443.3	356.8	271.1	209.3	124.7	41.2	25.3	18.8	15.2
10°	856.9	674.7	558.4	442.8	323.9	248.3	150.1	46.5	27.6	19.4	15.3
7.5°	1070.3	828.9	676.4	530.8	376.5	286.5	177.9	52.7	30.0	20.0	15.4
5°	1264.1	962.6	772.9	601.4	423.3	322.1	205.1	58.8	32.4	20.5	15.4
2.5°	1370.6	1060.4	852.3	665.5	468.3	355.7	230.3	64.6	34.8	21.0	15.5
0°	1464.1	1151.5	926.2	724.3	510.7	386.4	252.4	69.9	36.9	21.4	15.5
-2.5°	1464.6	1137.0	923.2	742.2	531.7	398.2	262.0	85.4	46.4	26.6	17.3
-5°	1450.3	1115.4	915.8	753.8	548.5	406.4	267.9	99.8	55.3	31.6	19.0
-7.5°	1385.5	1072.8	897.1	756.3	560.5	411.2	270.4	112.9	63.6	36.1	20.6
-10°	1298.8	1016.1	863.0	732.7	555.6	410.0	269.7	124.3	70.9	40.1	22.0
-12.5°	1199.2	956.4	829.7	706.8	544.7	403.4	264.8	133.1	77.2	43.4	23.0
-15°	1087.0	895.1	798.9	679.8	530.2	394.1	257.9	139.5	82.4	46.1	23.7
-17.5°	967.1	833.2	772.0	652.7	512.3	382.5	249.3	143.9	86.2	48.4	24.8
-20°	903.4	792.5	747.1	626.6	491.2	368.6	239.4	145.9	88.4	49.8	26.1



REPORT NUMBER: P701597 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	847.5	771.3	710.9	599.2	469.0	352.7	228.6	145.5	89.0	50.2	27.1
-25°	790.3	751.1	675.0	563.3	447.5	335.9	222.0	142.6	87.8	49.6	27.5
-27.5°	758.3	726.1	639.5	524.5	418.4	319.2	217.6	140.8	85.5	47.9	27.5
-30°	738.1	686.2	596.1	484.9	386.8	293.5	210.0	136.8	83.4	46.8	26.9
-32.5°	722.8	648.2	548.2	447.9	355.0	266.2	194.3	130.2	79.7	46.1	26.7
-35°	689.1	601.5	498.7	408.4	322.5	243.7	175.8	120.9	74.5	44.6	26.2
-37.5°	650.7	548.4	453.7	368.9	288.6	219.6	158.7	108.4	67.7	42.4	25.1
-40°	589.9	495.0	408.2	330.5	258.7	193.9	140.0	96.5	63.1	39.4	23.4
-42.5°	526.4	442.6	364.0	290.8	229.1	171.4	120.4	83.8	57.4	36.5	21.0
-45°	466.5	389.4	318.7	256.3	198.8	147.2	105.3	71.2	50.8	33.0	18.9
-47.5°	405.3	337.7	275.5	219.7	170.1	123.5	89.4	63.1	43.7	28.7	17.8
-50°	346.9	287.2	233.3	184.8	139.3	105.0	74.3	54.2	37.4	23.2	16.5
-52.5°	291.1	239.0	192.9	149.9	115.4	85.5	63.5	44.9	30.8	20.1	15.0
-55°	237.5	193.8	153.7	120.8	92.4	70.7	51.9	37.0	23.7	18.0	13.4
-57.5°	188.9	150.5	121.3	94.5	74.0	56.8	41.5	28.6	20.2	15.8	13.0
-60°	142.4	116.7	91.5	74.2	58.5	44.1	31.6	21.8	17.7	14.0	12.6
-62.5°	107.1	85.9	71.5	57.3	44.5	32.8	22.7	18.9	15.1	13.5	12.2
-65°	80.3	66.9	53.3	42.5	31.8	23.3	19.5	16.0	14.1	12.9	11.9
-67.5°	60.3	49.2	38.1	28.3	22.9	19.2	16.1	14.7	13.5	12.4	11.9
-70°	42.5	32.6	25.7	21.3	17.9	15.4	14.8	14.0	12.9	12.2	11.8
-72.5°	28.8	23.7	18.9	15.4	15.0	14.5	14.0	13.3	12.5	12.0	11.7
-75°	19.7	17.3	15.5	14.4	14.0	13.6	13.1	12.6	12.1	11.7	11.3
-77.5°	16.6	15.1	14.0	13.3	13.0	12.6	12.3	11.9	11.5	11.1	10.7
-80°	14.0	13.3	12.7	12.2	12.0	11.7	11.4	11.1	10.7	10.4	10.1
-82.5°	11.8	11.6	11.3	11.1	10.9	10.7	10.5	10.2	10.0	9.7	9.5
-85°	10.4	10.3	10.1	10.0	9.8	9.7	9.6	9.4	9.3	9.1	8.9
-87.5°	9.1	9.0	9.0	8.9	8.8	8.7	8.7	8.6	8.5	8.4	8.4
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8



REPORT NUMBER: P701597 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	8.3	8.2	8.1	8.0	8.0	7.8	7.8
85°	8.8	8.6	8.5	8.3	8.1	7.9	7.8
82.5°	9.3	9.0	8.8	8.5	8.3	7.9	7.8
80°	9.7	9.4	9.1	8.8	8.4	8.0	7.8
77.5°	9.7	9.7	9.4	9.0	8.6	8.0	7.8
75°	9.7	9.7	9.7	9.3	8.7	8.0	7.8
72.5°	9.7	9.7	9.7	9.5	8.9	8.1	7.8
70°	9.7	9.7	9.7	9.7	9.0	8.1	7.8
67.5°	9.7	9.7	9.7	9.7	9.1	8.1	7.8
65°	9.7	9.7	9.7	9.7	9.3	8.2	7.8
62.5°	9.7	9.7	9.7	9.7	9.4	8.2	7.8
60°	9.7	9.7	9.7	9.7	9.4	8.2	7.8
57.5°	9.7	9.7	9.7	9.7	9.4	8.2	7.8
55°	9.7	9.7	9.7	9.7	9.4	8.2	7.8
52.5°	9.7	9.7	9.7	9.7	9.4	8.3	7.8
50°	9.7	9.7	9.7	9.7	9.4	8.3	7.8
47.5°	9.7	9.7	9.7	9.7	9.4	8.3	7.8
45°	9.9	9.7	9.7	9.7	9.4	8.3	7.8
42.5°	10.1	9.7	9.7	9.7	9.4	8.3	7.8
40°	10.3	9.7	9.7	9.7	9.4	8.3	7.8
37.5°	10.5	9.7	9.7	9.7	9.4	8.3	7.8
35°	10.8	9.8	9.7	9.7	9.4	8.2	7.8
32.5°	11.1	10.0	9.7	9.7	9.4	8.2	7.8
30°	11.4	10.3	9.7	9.7	9.4	8.2	7.8
27.5°	11.8	10.5	9.7	9.7	9.5	8.2	7.8
25°	12.1	10.7	9.7	9.7	9.5	8.2	7.8
22.5°	12.5	10.9	9.7	9.7	9.5	8.1	7.8
20°	12.8	11.1	9.7	9.7	9.5	8.1	7.8
17.5°	13.1	11.2	9.7	9.7	9.6	8.1	7.8
15°	13.2	11.4	9.7	9.7	9.6	8.0	7.8
12.5°	13.3	11.5	9.7	9.7	9.6	8.0	7.8
10°	13.4	11.5	9.7	9.7	9.7	8.0	7.8
7.5°	13.5	11.6	9.7	9.7	9.7	7.9	7.8
5°	13.6	11.7	9.7	9.7	9.7	7.9	7.8
2.5°	13.6	11.7	9.7	9.7	9.7	7.8	7.8
0°	13.6	11.7	9.7	9.7	9.7	7.8	7.8
-2.5°	13.8	11.9	9.9	9.7	9.7	7.8	7.8
-5°	14.1	12.1	10.0	9.7	9.7	7.9	7.8
-7.5°	14.3	12.2	10.2	9.7	9.7	7.9	7.8
-10°	14.4	12.4	10.4	9.7	9.7	8.0	7.8
-12.5°	14.6	12.5	10.5	9.7	9.6	8.0	7.8
-15°	14.7	12.6	10.6	9.7	9.6	8.0	7.8
-17.5°	14.8	12.7	10.7	9.7	9.6	8.1	7.8
-20°	15.3	12.8	10.7	9.7	9.5	8.1	7.8



REPORT NUMBER: P701597 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	16.2	12.8	10.8	9.7	9.5	8.1	7.8
-25°	16.8	12.9	10.8	9.7	9.5	8.2	7.8
-27.5°	17.0	12.9	10.7	9.7	9.5	8.2	7.8
-30°	16.9	12.8	10.6	9.7	9.4	8.2	7.8
-32.5°	16.4	12.7	10.5	9.7	9.4	8.2	7.8
-35°	16.1	12.4	10.4	9.7	9.4	8.2	7.8
-37.5°	15.8	12.1	10.3	9.7	9.4	8.3	7.8
-40°	15.3	11.9	10.1	9.7	9.4	8.3	7.8
-42.5°	14.7	11.7	10.1	9.7	9.4	8.3	7.8
-45°	13.9	11.5	10.1	9.8	9.4	8.3	7.8
-47.5°	13.0	11.3	10.2	9.8	9.4	8.3	7.8
-50°	12.6	11.0	10.2	9.8	9.4	8.3	7.8
-52.5°	12.3	10.8	10.3	9.9	9.4	8.3	7.8
-55°	12.0	10.8	10.3	9.9	9.4	8.2	7.8
-57.5°	11.6	10.8	10.4	9.9	9.4	8.2	7.8
-60°	11.3	10.9	10.4	9.8	9.4	8.2	7.8
-62.5°	11.4	10.9	10.4	9.8	9.4	8.2	7.8
-65°	11.4	11.0	10.3	9.8	9.3	8.2	7.8
-67.5°	11.5	10.9	10.1	9.8	9.1	8.1	7.8
-70°	11.5	10.6	10.0	9.7	9.0	8.1	7.8
-72.5°	11.2	10.4	9.9	9.5	8.9	8.1	7.8
-75°	10.7	10.1	9.7	9.3	8.7	8.0	7.8
-77.5°	10.2	9.8	9.4	9.0	8.6	8.0	7.8
-80°	9.8	9.4	9.1	8.8	8.4	8.0	7.8
-82.5°	9.3	9.0	8.8	8.5	8.3	7.9	7.8
-85°	8.8	8.6	8.5	8.3	8.1	7.9	7.8
-87.5°	8.3	8.2	8.1	8.0	8.0	7.8	7.8
-90°	7.8	7.8	7.8	7.8	7.8	7.8	7.8

(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

