

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: P701501 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-80-5S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701501 (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-40-80-5S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

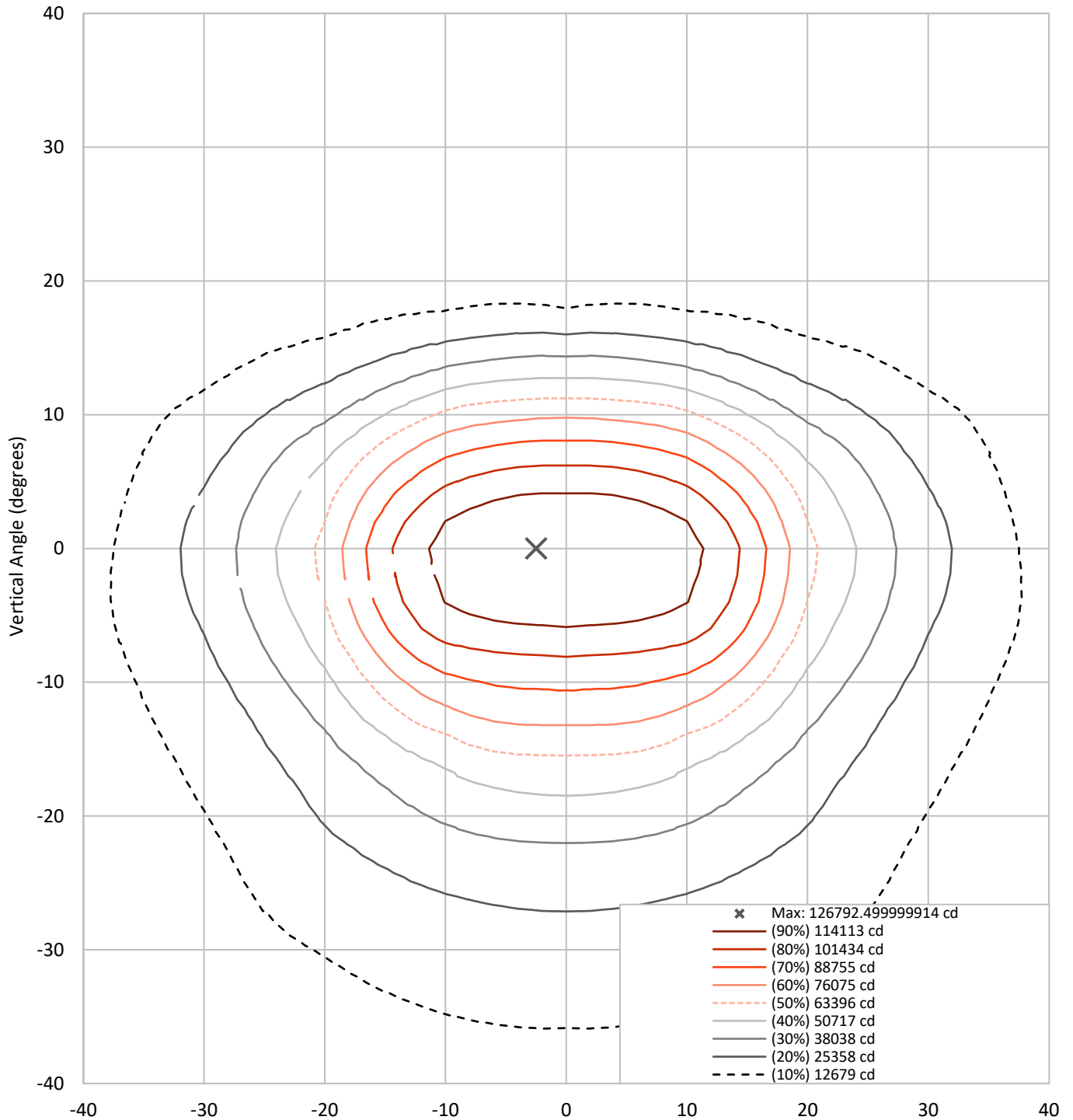
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	50242.3 lumens	Max Intensity:	126792.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	76.4 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:	24901.2 lumens	Field Lumens:	45038.4 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





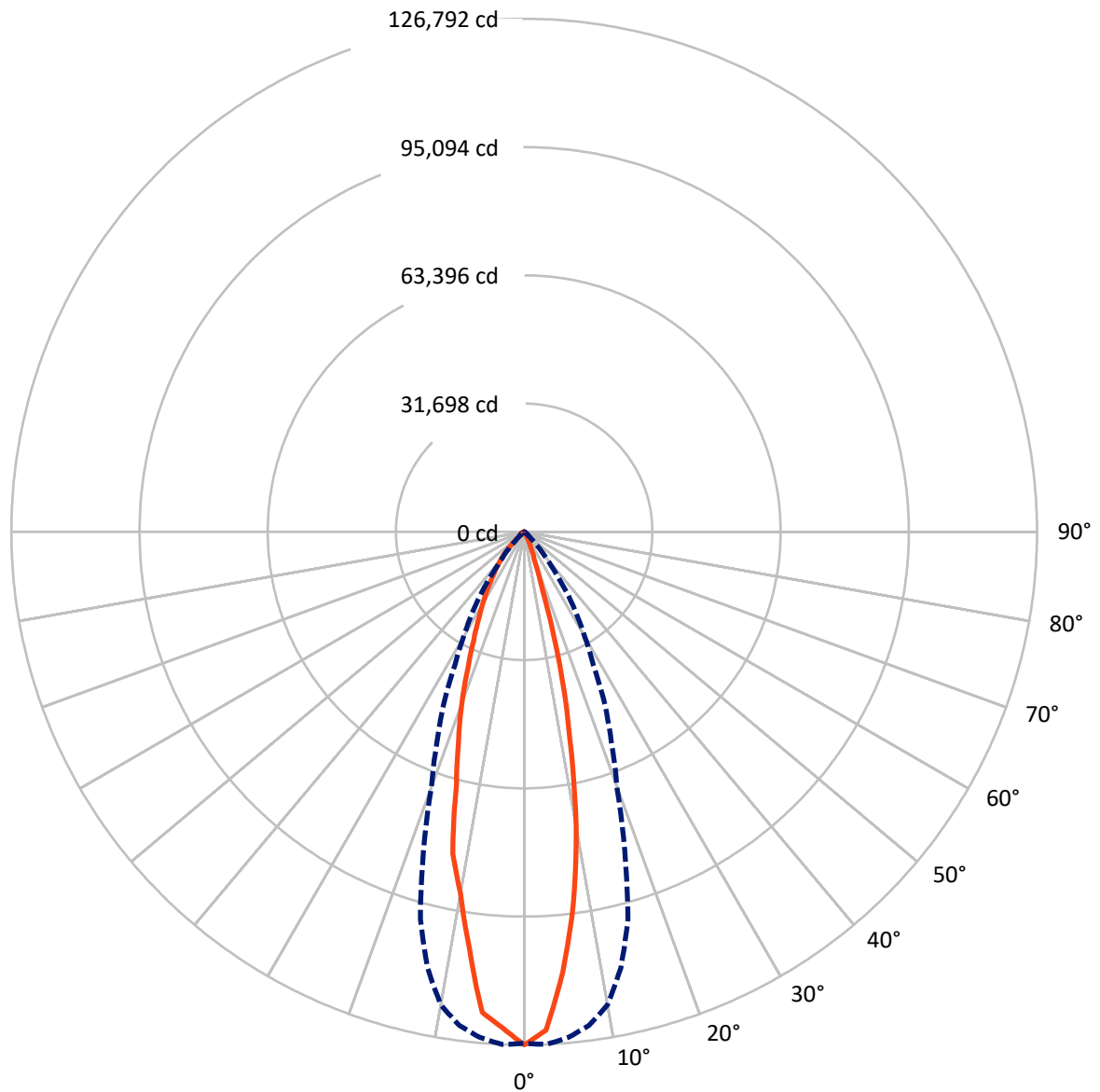
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Lumen Table

90	0.2		0.5		0.8		0.8		0.5		0.8		0.8		0.5		0.2	
80	0.2		0.5		0.8		0.8		0.5		0.8		0.8		0.5		0.2	
70	0.2	0.1	0.2	0.4	0.6	0.4	0.3	0.2	0.2	0.3	0.4	0.6	0.4	0.2	0.1	0.2		
60		0.1	0.3	0.7	0.7	0.3	0.2	0.2	0.2	0.2	0.3	0.7	0.7	0.3	0.1			
50	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		
40		0.2	0.5	0.9	1.9	4.2	6.5	8.9	8.9	6.5	4.2	1.9	0.9	0.5	0.2			
30	0.3	0.3	1.4	3.6	16.2	37.0	69.6	98.6	98.6	69.6	37.0	16.2	3.6	1.4	0.3	0.3		
20		0.9	4.9	22.0	127.7	339.2	696.8	1031.6	1031.6	696.8	339.2	127.7	22.0	4.9	0.9			
10	0.3	1.6	10.6	66.1	373.6	1064.2	2287.3	3150.7	3150.7	2287.3	1064.2	373.6	66.1	10.6	1.6	0.3		
0		2.2	13.0	81.9	426.6	1164.2	2557.1	3396.8	3396.8	2557.1	1164.2	426.6	81.9	13.0	2.2			
-10	0.4	2.3	11.6	52.5	271.2	699.5	1417.4	1973.6	1973.6	1417.4	699.5	271.2	52.5	11.6	2.3	0.4		
-20		2.2	9.7	24.4	142.7	399.6	698.5	904.0	904.0	698.5	399.6	142.7	24.4	9.7	2.2			
-30	0.4	1.7	7.3	15.9	47.7	181.9	324.6	413.6	413.6	324.6	181.9	47.7	15.9	7.3	1.7	0.4		
-40		1.1	4.6	11.8	21.6	39.1	85.8	126.0	126.0	85.8	39.1	21.6	11.8	4.6	1.1			
-50	0.2	0.5	2.2	6.3	12.7	20.0	25.8	29.0	29.0	25.8	20.0	12.7	6.3	2.2	0.5	0.2		
-60		0.2	0.8	2.2	4.5	7.5	10.6	12.4	12.4	10.6	7.5	4.5	2.2	0.8	0.2			
-70	0.2	0.5	2.2	6.3	12.7	20.0	25.8	29.0	29.0	25.8	20.0	12.7	6.3	2.2	0.5	0.2		
-80		0.2	0.8	2.2	4.5	7.5	10.6	12.4	12.4	10.6	7.5	4.5	2.2	0.8	0.2			
-90	0.2		0.7		2.3		6.0		8.1		6.0		2.3		0.7		0.2	

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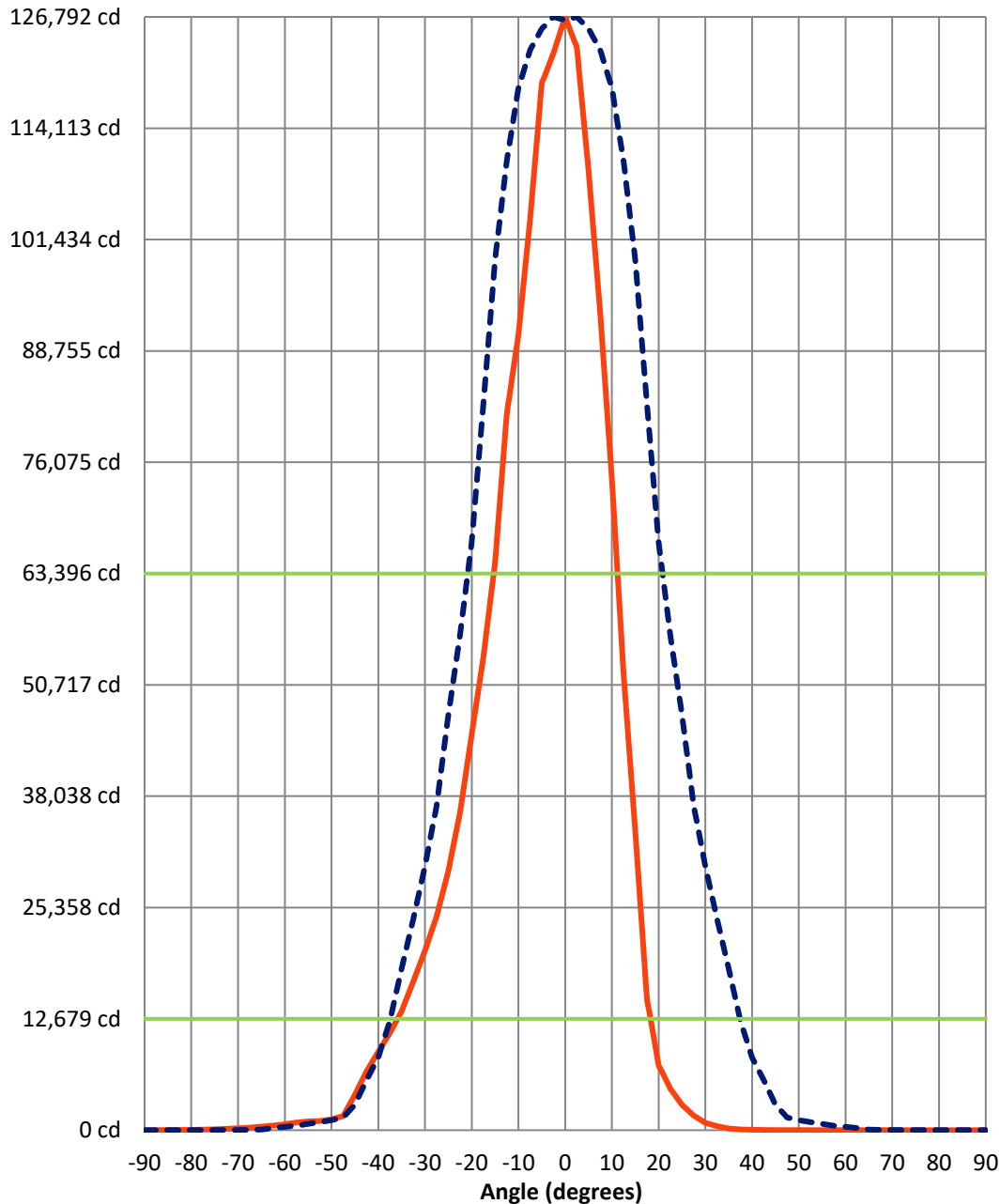
Luminous Intensity Polar Plot



— 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: 24901.2
 Efficiency: 49.6%

Field:
 H Angle: 74.8°
 V Angle: 54.1°
 Lumens: 45038.4
 Efficiency: 89.6%

Spill:
 Lumens: 5203.8
 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°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
87.5°	7.7	7.7	7.9	7.9	8.0	8.1	8.2	8.1	8.0	7.9	7.7
85°	7.7	7.8	8.0	8.2	8.4	8.5	8.7	8.6	8.4	8.1	7.7
82.5°	7.7	7.8	8.2	8.4	8.7	8.9	9.2	9.0	8.7	8.4	8.2
80°	7.7	7.9	8.3	8.7	9.0	9.3	9.6	9.3	9.0	8.9	9.0
77.5°	7.7	7.9	8.5	8.9	9.3	9.6	9.6	9.4	9.3	9.5	9.6
75°	7.7	7.9	8.6	9.2	9.6	9.6	9.6	9.5	9.6	9.6	9.6
72.5°	7.7	8.0	8.8	9.4	9.6	9.6	9.6	9.6	9.6	9.6	9.6
70°	7.7	8.0	8.9	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
67.5°	7.7	8.0	9.0	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
65°	7.7	8.1	9.2	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
62.5°	7.7	8.1	9.3	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
60°	7.7	8.1	9.3	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
57.5°	7.7	8.1	9.3	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
55°	7.7	8.1	9.3	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
52.5°	7.7	8.2	9.3	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
50°	7.7	8.2	9.3	9.6	9.6	9.6	9.6	9.7	9.6	9.6	10.2
47.5°	7.7	8.2	9.3	9.6	9.6	9.6	9.6	9.9	9.6	9.6	10.8
45°	7.7	8.2	9.3	9.6	9.6	9.6	9.8	10.0	9.8	10.1	11.4
42.5°	7.7	8.2	9.3	9.6	9.6	9.6	10.0	10.2	10.0	10.7	12.1
40°	7.7	8.2	9.3	9.6	9.6	9.6	10.2	10.5	10.5	11.2	12.8
37.5°	7.7	8.2	9.3	9.6	9.6	9.6	10.4	10.8	11.1	12.0	13.3
35°	7.7	8.1	9.3	9.6	9.6	9.7	10.7	11.2	11.8	12.8	13.7
32.5°	7.7	8.1	9.3	9.6	9.6	9.9	11.0	11.6	12.5	13.8	14.9
30°	7.7	8.1	9.3	9.6	9.6	10.1	11.3	12.0	13.1	14.7	16.3
27.5°	7.7	8.1	9.4	9.6	9.6	10.3	11.6	12.6	13.8	15.7	18.0
25°	7.7	8.1	9.4	9.6	9.6	10.6	12.0	13.1	14.6	17.0	19.9
22.5°	7.7	8.0	9.4	9.6	9.6	10.8	12.3	13.6	15.5	18.4	23.4
20°	7.7	8.0	9.4	9.6	9.6	10.9	12.7	14.1	16.3	20.0	27.3
17.5°	7.7	8.0	9.5	9.6	9.6	11.1	12.9	14.6	17.1	21.6	31.6
15°	7.7	7.9	9.5	9.6	9.6	11.2	13.1	14.9	17.9	23.3	36.2
12.5°	7.7	7.9	9.5	9.6	9.6	11.3	13.2	15.1	18.6	25.0	40.9
10°	7.7	7.9	9.6	9.6	9.6	11.4	13.3	15.2	19.2	27.3	46.1
7.5°	7.7	7.8	9.6	9.6	9.6	11.4	13.4	15.3	19.8	29.7	52.2
5°	7.7	7.8	9.6	9.6	9.6	11.5	13.5	15.3	20.3	32.1	58.3
2.5°	7.7	7.7	9.6	9.6	9.6	11.5	13.5	15.4	20.8	34.4	64.0
0°	7.7	7.7	9.6	9.6	9.6	11.5	13.5	15.4	21.2	36.5	69.2
-2.5°	7.7	7.7	9.6	9.6	9.8	11.7	13.7	17.2	26.4	45.9	84.5
-5°	7.7	7.8	9.6	9.6	9.9	11.9	14.0	18.9	31.3	54.8	98.8
-7.5°	7.7	7.8	9.6	9.6	10.1	12.1	14.2	20.4	35.8	63.0	111.8
-10°	7.7	7.9	9.6	9.6	10.2	12.2	14.3	21.7	39.7	70.2	123.1
-12.5°	7.7	7.9	9.5	9.6	10.4	12.4	14.5	22.8	42.9	76.4	131.8
-15°	7.7	7.9	9.5	9.6	10.5	12.5	14.6	23.5	45.6	81.6	138.2
-17.5°	7.7	8.0	9.5	9.6	10.5	12.6	14.7	24.6	47.9	85.3	142.5
-20°	7.7	8.0	9.4	9.6	10.6	12.6	15.2	25.9	49.3	87.6	144.5



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 CATALOG NUMBER: EPH-LS-08-0640L-40-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.7	8.0	9.4	9.6	10.6	12.7	16.0	26.8	49.7	88.1	144.2
-25°	7.7	8.1	9.4	9.6	10.6	12.7	16.6	27.3	49.1	86.9	141.2
-27.5°	7.7	8.1	9.4	9.6	10.6	12.7	16.9	27.2	47.4	84.7	139.5
-30°	7.7	8.1	9.3	9.6	10.5	12.7	16.8	26.7	46.3	82.6	135.5
-32.5°	7.7	8.1	9.3	9.6	10.4	12.5	16.3	26.5	45.6	78.9	128.9
-35°	7.7	8.1	9.3	9.6	10.3	12.2	15.9	26.0	44.2	73.7	119.8
-37.5°	7.7	8.2	9.3	9.6	10.1	12.0	15.6	24.9	42.0	67.0	107.3
-40°	7.7	8.2	9.3	9.6	10.0	11.8	15.2	23.1	39.1	62.4	95.6
-42.5°	7.7	8.2	9.3	9.6	9.9	11.6	14.6	20.8	36.1	56.8	83.0
-45°	7.7	8.2	9.3	9.7	10.0	11.4	13.8	18.8	32.7	50.4	70.5
-47.5°	7.7	8.2	9.3	9.7	10.1	11.1	12.9	17.7	28.5	43.3	62.4
-50°	7.7	8.2	9.3	9.7	10.1	10.9	12.5	16.4	23.0	37.1	53.7
-52.5°	7.7	8.2	9.3	9.8	10.2	10.6	12.2	14.9	19.9	30.5	44.5
-55°	7.7	8.1	9.3	9.8	10.2	10.6	11.8	13.3	17.8	23.5	36.6
-57.5°	7.7	8.1	9.3	9.8	10.3	10.7	11.5	12.9	15.7	20.1	28.3
-60°	7.7	8.1	9.3	9.7	10.3	10.7	11.1	12.5	13.9	17.6	21.6
-62.5°	7.7	8.1	9.3	9.7	10.2	10.8	11.2	12.0	13.3	15.0	18.8
-65°	7.7	8.1	9.2	9.7	10.1	10.8	11.2	11.7	12.8	14.0	15.9
-67.5°	7.7	8.0	9.0	9.7	10.0	10.7	11.3	11.7	12.2	13.4	14.5
-70°	7.7	8.0	8.9	9.6	9.9	10.5	11.3	11.6	12.0	12.8	13.9
-72.5°	7.7	8.0	8.8	9.4	9.8	10.2	11.0	11.5	11.8	12.3	13.2
-75°	7.7	7.9	8.6	9.2	9.6	10.0	10.6	11.1	11.5	11.9	12.4
-77.5°	7.7	7.9	8.5	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.7
-80°	7.7	7.9	8.3	8.7	9.0	9.3	9.7	10.0	10.3	10.6	10.9
-82.5°	7.7	7.8	8.2	8.4	8.7	8.9	9.2	9.4	9.6	9.9	10.1
-85°	7.7	7.8	8.0	8.2	8.4	8.5	8.7	8.8	9.0	9.2	9.3
-87.5°	7.7	7.7	7.9	7.9	8.0	8.1	8.2	8.3	8.3	8.4	8.5
-90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7



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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°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
87.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
85°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
82.5°	8.3	8.2	8.0	7.7	7.7	7.7	7.7	7.9	8.0	8.0	7.9
80°	9.0	8.7	8.4	8.3	8.5	8.8	9.0	9.3	9.1	8.7	8.3
77.5°	9.3	9.2	9.2	9.3	9.6	9.6	9.6	9.6	9.3	8.8	8.3
75°	9.5	9.6	9.6	9.6	9.6	9.6	9.6	10.0	10.1	9.9	9.8
72.5°	9.6	9.6	9.6	9.6	9.6	9.9	10.4	11.1	11.5	11.4	11.3
70°	9.6	9.6	9.6	9.6	9.7	10.4	11.4	12.3	13.0	13.3	14.1
67.5°	9.6	9.6	9.6	9.7	10.4	11.5	12.5	14.4	16.6	17.6	18.9
65°	9.6	9.6	9.8	10.5	11.4	12.8	14.8	17.4	22.5	25.3	26.5
62.5°	9.6	9.7	10.2	11.2	12.4	14.2	17.9	23.6	30.8	35.0	34.6
60°	9.6	9.8	10.8	12.1	13.6	16.5	21.9	29.4	39.0	46.1	41.6
57.5°	9.6	10.2	11.6	13.3	15.5	18.1	25.1	34.4	44.0	54.5	46.5
55°	9.9	10.9	12.7	15.1	17.3	19.7	26.3	34.5	45.3	51.1	43.5
52.5°	10.6	11.8	14.3	16.6	18.8	20.3	23.3	31.2	37.0	41.3	37.1
50°	11.3	13.3	15.8	17.7	19.2	19.1	18.3	24.4	29.0	30.5	30.1
47.5°	12.4	14.7	16.4	18.1	18.4	18.0	16.2	19.1	22.3	23.8	22.7
45°	13.4	15.4	17.0	17.7	17.9	17.3	16.7	15.9	19.3	20.0	19.1
42.5°	14.2	15.9	17.2	17.4	18.1	18.5	18.4	17.8	18.3	18.7	18.5
40°	14.7	16.4	17.5	19.0	19.3	21.0	22.2	22.0	18.7	20.7	21.1
37.5°	15.1	17.0	19.0	22.9	22.4	25.1	27.2	29.9	27.3	25.6	28.8
35°	15.5	17.7	24.1	28.8	29.1	30.7	37.5	40.8	38.7	36.6	40.5
32.5°	16.1	18.7	30.9	35.9	38.7	41.4	50.9	52.7	54.4	55.4	58.5
30°	17.8	24.9	38.7	43.8	49.8	60.1	65.2	66.8	73.8	83.2	108.9
27.5°	21.4	33.1	46.1	54.0	63.5	81.2	87.9	88.7	100.4	125.0	186.7
25°	25.8	52.4	54.1	65.6	83.4	104.6	118.3	131.6	136.0	210.1	357.3
22.5°	36.3	77.1	85.9	78.1	104.6	131.9	161.1	198.3	254.7	340.1	558.5
20°	54.6	104.4	125.6	131.1	137.6	162.9	210.8	285.8	461.9	766.0	1056.1
17.5°	75.7	135.7	170.0	197.8	229.1	239.4	270.4	390.1	723.2	1373.1	2133.3
15°	98.9	170.3	217.9	272.5	330.4	374.9	440.0	626.9	1164.2	2211.6	3517.1
12.5°	123.5	207.3	268.5	353.4	439.1	518.7	640.7	1040.4	1944.3	3397.1	5377.4
10°	148.7	245.9	320.9	438.6	553.1	668.3	848.8	1513.7	2866.8	4660.4	7072.1
7.5°	176.2	283.8	373.0	525.7	669.9	821.0	1060.2	2022.9	3822.1	5827.4	8540.3
5°	203.2	319.1	419.3	595.7	765.5	953.4	1252.1	2539.2	4770.0	6891.9	9871.3
2.5°	228.1	352.3	463.8	659.2	844.2	1050.3	1357.6	2752.1	5315.7	7677.5	11183.3
0°	250.0	382.7	505.8	717.4	917.4	1140.5	1450.2	2906.1	5691.1	8279.9	12463.2
-2.5°	259.5	394.4	526.6	735.1	914.4	1126.1	1450.7	2957.3	6012.9	8995.4	13109.5
-5°	265.4	402.6	543.3	746.6	907.1	1104.8	1436.6	2934.7	6065.7	9160.8	12854.2
-7.5°	267.8	407.3	555.2	749.1	888.6	1062.6	1372.3	2720.3	5490.7	8402.2	11656.9
-10°	267.1	406.1	550.3	725.7	854.8	1006.4	1286.5	2437.9	4825.1	7545.9	10384.4
-12.5°	262.3	399.6	539.5	700.0	821.8	947.3	1187.8	2090.2	4095.5	6617.8	9166.3
-15°	255.4	390.4	525.2	673.3	791.3	886.6	1076.7	1679.6	3335.1	5785.3	8188.2
-17.5°	246.9	378.9	507.5	646.5	764.6	825.3	957.9	1268.7	2655.0	4893.5	7203.4
-20°	237.1	365.1	486.5	620.6	739.9	785.0	894.9	1143.9	2099.4	3899.7	6134.4



REPORT NUMBER: P701501 (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°	226.4	349.4	464.6	593.5	704.1	764.0	839.5	1011.9	1497.0	2811.7	4979.9
-25°	219.9	332.7	443.3	557.9	668.5	743.9	782.8	885.1	1131.8	2121.6	3761.9
-27.5°	215.6	316.2	414.4	519.5	633.4	719.1	751.1	821.5	994.8	1405.8	2617.0
-30°	208.0	290.8	383.1	480.3	590.4	679.7	731.1	772.4	877.0	1102.1	1794.9
-32.5°	192.5	263.7	351.7	443.6	543.0	642.1	715.9	755.8	823.5	939.9	1172.6
-35°	174.1	241.4	319.5	404.5	493.9	595.8	682.6	748.4	780.4	860.6	1009.8
-37.5°	157.2	217.5	285.8	365.4	449.4	543.2	644.5	718.7	771.7	808.6	915.0
-40°	138.7	192.1	256.2	327.4	404.3	490.3	584.3	676.1	746.7	808.0	855.4
-42.5°	119.2	169.8	227.0	288.1	360.6	438.4	521.4	613.0	703.9	786.7	850.7
-45°	104.3	145.8	196.9	253.9	315.7	385.7	462.1	542.1	636.9	732.1	815.1
-47.5°	88.5	122.4	168.6	217.6	273.0	334.5	401.5	476.6	556.9	648.8	746.0
-50°	73.6	104.0	138.0	183.1	231.1	284.5	343.6	409.5	481.5	558.0	642.5
-52.5°	62.9	84.7	114.3	148.5	191.0	236.7	288.3	345.0	407.2	472.3	540.9
-55°	51.5	70.1	91.5	119.6	152.3	192.0	235.3	284.7	334.6	392.5	444.9
-57.5°	41.1	56.3	73.2	93.5	120.1	149.0	187.1	226.5	271.2	316.5	355.2
-60°	31.3	43.7	58.0	73.5	90.6	115.5	141.1	173.9	210.2	244.8	278.0
-62.5°	22.5	32.5	44.1	56.7	70.7	85.1	106.0	129.2	152.3	181.4	208.2
-65°	19.3	23.0	31.5	42.1	52.8	66.3	79.5	92.1	111.5	130.4	148.0
-67.5°	16.0	19.1	22.7	28.0	37.7	48.7	59.8	71.5	82.7	92.4	103.3
-70°	14.7	15.3	17.7	21.1	25.4	32.2	42.1	51.9	61.5	70.7	79.4
-72.5°	13.9	14.4	14.9	15.3	18.7	23.4	28.5	33.9	40.6	48.1	55.8
-75°	13.0	13.4	13.9	14.3	15.4	17.1	19.6	23.9	28.1	31.9	35.4
-77.5°	12.1	12.5	12.8	13.2	13.9	15.0	16.5	18.2	20.2	22.5	24.8
-80°	11.2	11.5	11.8	12.1	12.5	13.1	13.8	14.6	15.9	17.5	19.3
-82.5°	10.3	10.5	10.8	11.0	11.2	11.4	11.6	12.0	12.5	13.2	14.0
-85°	9.5	9.6	9.7	9.9	10.0	10.1	10.3	10.4	10.5	10.6	10.7
-87.5°	8.6	8.6	8.7	8.8	8.9	8.9	9.0	9.0	9.1	9.2	9.2
-90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7



REPORT NUMBER: P701501 (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°	7.7	8.2	8.7	9.1	9.6	11.0	12.5	13.9	15.4	14.9	14.4
87.5°	7.7	7.2	6.8	6.3	5.8	5.3	4.8	4.3	3.8	3.3	2.9
85°	7.7	7.6	7.4	7.4	7.3	6.9	6.5	6.1	5.7	4.8	3.8
82.5°	7.7	7.7	7.7	7.7	7.7	7.3	6.8	6.3	5.8	4.9	3.9
80°	7.8	7.7	7.7	7.7	7.7	7.3	6.8	6.3	5.8	4.9	3.9
77.5°	8.0	8.0	8.0	7.9	7.8	7.3	6.8	6.4	5.9	4.9	3.9
75°	9.6	9.4	9.0	8.5	7.9	7.4	6.9	6.4	5.9	5.3	4.8
72.5°	11.2	10.8	10.2	9.9	9.4	9.0	8.6	8.1	7.5	7.0	6.6
70°	14.8	15.1	14.8	14.0	12.9	11.8	11.0	10.2	9.4	8.6	7.8
67.5°	20.0	20.1	19.0	17.5	15.2	13.2	12.1	11.1	10.1	9.5	9.4
65°	26.2	23.9	21.5	18.9	16.0	13.3	12.3	11.2	10.2	9.6	9.6
62.5°	31.9	25.8	20.8	17.6	15.2	13.3	11.9	10.5	9.2	8.2	8.0
60°	34.3	24.4	17.5	15.3	13.4	11.7	10.4	9.2	8.3	7.6	7.2
57.5°	34.4	23.3	14.8	12.9	11.3	10.0	9.3	8.7	8.2	7.6	7.1
55°	31.3	20.7	12.2	11.0	10.5	9.9	9.4	8.8	8.3	7.7	7.2
52.5°	25.5	18.2	13.0	11.2	10.6	10.1	9.5	9.0	8.4	7.8	7.2
50°	22.2	16.6	13.2	11.3	10.8	10.2	9.7	9.5	9.5	9.1	8.7
47.5°	19.2	15.2	13.1	11.6	11.4	12.2	12.8	13.0	12.7	12.2	11.8
45°	16.8	14.7	13.6	14.3	14.9	16.1	16.7	16.8	16.8	16.9	16.7
42.5°	16.7	16.8	18.0	19.9	19.7	22.2	23.4	20.7	23.7	25.3	23.8
40°	22.2	22.7	28.0	32.3	36.3	36.9	43.2	44.1	44.9	47.5	48.0
37.5°	32.5	38.1	54.5	66.8	72.0	72.4	81.6	83.4	80.8	91.8	95.0
35°	49.6	75.3	101.9	117.3	125.9	132.4	144.7	158.9	152.2	176.6	185.2
32.5°	89.0	136.0	184.3	182.5	198.9	242.8	259.1	284.9	311.9	353.1	398.3
30°	149.8	276.6	332.6	312.2	358.4	421.0	421.4	493.3	593.6	678.8	807.0
27.5°	337.4	479.4	552.7	585.5	620.4	699.5	797.5	889.0	1144.2	1318.5	1501.8
25°	572.8	769.0	847.3	969.0	1079.5	1152.8	1449.2	1665.4	2032.1	2298.2	2573.6
22.5°	923.7	1183.0	1345.3	1455.4	1827.6	2158.5	2475.1	2946.1	3310.1	3766.7	4110.6
20°	1363.0	1713.2	2309.4	2777.3	3011.1	3714.0	4286.5	4773.3	5419.1	5985.2	6488.7
17.5°	2571.9	2768.6	4014.4	5233.6	5726.4	6635.3	8281.5	8902.6	10761.8	12123.3	12858.5
15°	4657.0	5608.3	6920.4	8952.9	11207.7	12988.9	14549.3	17744.9	21292.4	24437.2	27748.2
12.5°	7364.1	9224.5	11432.8	13919.1	17981.5	21205.2	24658.1	29224.9	34955.7	39943.5	45811.1
10°	10076.1	13219.6	16272.2	20146.4	25277.9	30255.1	35228.4	42461.6	50879.7	58962.0	65950.1
7.5°	12318.4	16580.0	20716.9	26073.0	33062.4	39997.0	46947.9	56514.8	67648.2	76872.4	84802.4
5°	14600.7	19937.7	24790.4	30967.6	39193.7	47639.5	56338.1	68267.1	81417.6	91862.6	100044.4
2.5°	16696.4	22743.9	28360.7	35248.6	44409.2	52672.6	62574.3	77218.7	92888.4	104156.5	113176.2
0°	18388.9	24057.0	30057.8	36989.4	47275.4	56384.3	66995.3	82699.2	99095.6	110353.8	118677.0
-2.5°	18024.6	23757.6	29368.2	36410.8	46737.3	55123.1	65865.5	81316.6	97516.2	108954.4	116429.9
-5°	16887.2	21961.4	26998.9	33613.1	42693.8	50865.4	61385.4	77267.8	92806.7	104470.8	113072.5
-7.5°	15205.3	19513.7	24082.7	30109.6	38014.0	45830.8	54980.9	67638.5	82141.6	92692.2	98926.9
-10°	13434.7	17001.8	21280.7	26374.0	32897.7	39918.6	47517.5	57657.1	70049.8	79302.3	85217.0
-12.5°	11882.6	14973.2	18790.5	22557.4	27880.0	34133.1	40880.7	49178.2	57355.5	67112.3	72225.9
-15°	10452.9	13029.1	16309.2	19921.0	24344.0	29258.6	34093.5	40306.2	45631.3	51725.8	56153.8
-17.5°	9256.8	11314.2	14220.5	17720.8	21051.2	25283.2	29897.0	34105.4	38607.6	43007.0	46679.0
-20°	8175.8	9873.3	12351.4	15433.2	18714.5	22313.2	26384.6	29810.1	33488.9	36832.1	39704.2



REPORT NUMBER: P701501 (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°	6947.3	8668.5	10587.8	13224.6	16510.7	19737.0	22751.9	25340.7	28120.6	30822.1	32861.4
-25°	5668.7	7320.7	9158.2	11646.6	14338.5	17053.2	19188.4	21011.0	23181.0	25127.7	26877.8
-27.5°	4346.6	6107.9	8089.8	10168.2	12509.7	14234.8	16031.7	17680.1	19329.2	20639.0	22117.0
-30°	3021.8	4943.7	6892.9	8860.1	10463.9	11841.0	13181.1	14692.8	16185.0	17429.9	18473.0
-32.5°	2075.1	3461.5	5428.4	7257.8	8628.7	9799.1	10834.1	12123.1	13279.5	14304.0	15216.7
-35°	1246.3	2223.0	3573.6	5312.2	6812.2	7950.9	9005.2	9982.6	10845.7	11708.5	12395.1
-37.5°	1067.7	1284.0	2103.2	3259.3	4686.8	6064.8	7148.0	8063.0	8867.2	9531.7	10114.2
-40°	961.5	1089.4	1268.5	1663.0	2714.1	3766.5	4948.7	5991.5	6839.8	7464.0	7970.9
-42.5°	898.8	980.8	1068.4	1208.9	1365.2	1864.7	2769.2	3633.2	4378.7	5070.1	5663.7
-45°	888.1	922.8	969.9	1049.2	1121.3	1250.8	1392.1	1530.2	2116.7	2672.4	3128.4
-47.5°	821.5	892.4	935.6	971.1	1008.9	1070.1	1129.9	1193.8	1300.5	1400.6	1486.5
-50°	724.5	800.7	866.1	930.0	963.5	988.3	1013.0	1044.8	1086.4	1124.4	1159.4
-52.5°	605.4	678.7	752.1	820.2	873.4	922.3	966.3	986.9	1002.6	1016.8	1028.1
-55°	499.6	557.5	615.3	677.5	739.1	797.6	848.1	881.5	911.6	938.2	960.9
-57.5°	400.0	445.1	492.1	542.7	591.8	639.0	684.1	725.1	761.6	793.3	819.9
-60°	309.9	340.3	379.6	419.7	457.9	494.1	530.6	563.8	593.8	620.2	640.9
-62.5°	232.5	257.8	287.6	315.9	341.0	368.0	402.1	430.6	454.0	472.9	489.6
-65°	167.0	188.1	212.1	235.8	259.1	282.3	306.1	329.0	350.9	368.4	380.8
-67.5°	118.5	133.5	150.4	165.1	182.5	202.8	224.3	244.1	262.0	274.4	281.9
-70°	87.4	96.1	108.3	122.5	137.1	150.5	164.3	177.9	191.4	201.0	208.2
-72.5°	63.7	72.4	81.4	90.5	100.3	110.3	120.3	130.4	140.6	146.9	151.2
-75°	38.6	43.7	51.6	59.2	66.6	73.5	80.0	86.1	91.8	94.7	96.7
-77.5°	27.7	31.3	35.2	39.1	43.2	47.3	51.3	55.4	59.5	61.3	62.6
-80°	21.1	23.2	25.3	27.7	30.0	32.5	35.0	37.5	40.0	40.4	40.5
-82.5°	15.0	16.5	18.0	19.4	20.9	22.2	23.5	24.8	26.1	26.3	26.5
-85°	10.8	11.7	12.6	13.6	14.6	15.7	16.7	17.7	18.8	18.9	19.0
-87.5°	9.3	9.8	10.3	10.8	11.3	11.9	12.5	13.0	13.6	13.5	13.5
-90°	7.7	7.2	6.8	6.3	5.8	5.3	4.8	4.3	3.8	3.3	2.9



REPORT NUMBER: P701501 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	14.0	13.5	13.5	13.5	13.5	13.5	14.0	14.4	14.9	15.4	13.9
87.5°	2.4	1.9	1.0	0.0	1.0	1.9	2.4	2.9	3.3	3.8	4.3
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	6.3
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	3.8	2.9	1.9	2.9	3.8	4.3	4.8	5.3	5.9	6.4
72.5°	6.2	5.8	5.8	5.8	5.8	5.8	6.2	6.6	7.0	7.5	8.1
70°	6.9	5.9	5.8	5.8	5.8	5.9	6.9	7.8	8.6	9.4	10.2
67.5°	9.4	9.5	8.7	7.7	8.7	9.5	9.4	9.4	9.5	10.1	11.1
65°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	10.2	11.2
62.5°	7.9	7.8	7.7	7.7	7.7	7.8	7.9	8.0	8.2	9.2	10.5
60°	6.6	6.0	5.8	5.8	5.8	6.0	6.6	7.2	7.6	8.3	9.2
57.5°	6.5	6.0	5.8	5.8	5.8	6.0	6.5	7.1	7.6	8.2	8.7
55°	6.6	6.0	5.8	5.8	5.8	6.0	6.6	7.2	7.7	8.3	8.8
52.5°	6.6	6.0	6.5	7.7	6.5	6.0	6.6	7.2	7.8	8.4	9.0
50°	8.3	7.8	7.7	7.7	7.7	7.8	8.3	8.7	9.1	9.5	9.5
47.5°	11.1	10.1	9.6	9.6	9.6	10.1	11.1	11.8	12.2	12.7	13.0
45°	15.7	14.3	13.4	13.5	13.4	14.3	15.7	16.7	16.9	16.8	16.8
42.5°	23.6	23.1	22.9	23.1	22.9	23.1	23.6	23.8	25.3	23.7	20.7
40°	50.6	51.4	51.2	51.9	51.2	51.4	50.6	48.0	47.5	44.9	44.1
37.5°	95.4	92.3	87.5	88.5	87.5	92.3	95.4	95.0	91.8	80.8	83.4
35°	186.3	191.1	190.8	192.3	190.8	191.1	186.3	185.2	176.6	152.2	158.9
32.5°	430.9	453.8	454.3	463.5	454.3	453.8	430.9	398.3	353.1	311.9	284.9
30°	846.6	864.8	837.3	850.1	837.3	864.8	846.6	807.0	678.8	593.6	493.3
27.5°	1597.1	1664.4	1663.7	1634.8	1663.7	1664.4	1597.1	1501.8	1318.5	1144.2	889.0
25°	2805.3	2909.3	2890.1	2856.1	2890.1	2909.3	2805.3	2573.6	2298.2	2032.1	1665.4
22.5°	4423.0	4594.8	4732.3	4642.9	4732.3	4594.8	4423.0	4110.6	3766.7	3310.1	2946.1
20°	7229.5	7278.5	7424.6	7372.1	7424.6	7278.5	7229.5	6488.7	5985.2	5419.1	4773.3
17.5°	14850.5	15383.2	15012.6	13884.5	15012.6	15383.2	14850.5	12858.5	12123.3	10761.8	8902.6
15°	30073.8	32306.8	34040.7	33088.9	34040.7	32306.8	30073.8	27748.2	24437.2	21292.4	17744.9
12.5°	49249.9	50897.5	51999.8	52080.9	51999.8	50897.5	49249.9	45811.1	39943.5	34955.7	29224.9
10°	70689.1	72144.9	74095.2	74369.3	74095.2	72144.9	70689.1	65950.1	58962.0	50879.7	42461.6
7.5°	88738.0	91690.4	93057.3	92873.6	93057.3	91690.4	88738.0	84802.4	76872.4	67648.2	56514.8
5°	104879.7	107938.4	109278.2	109500.8	109278.2	107938.4	104879.7	100044.4	91862.6	81417.6	68267.1
2.5°	118579.0	121667.0	123276.7	122835.2	123276.7	121667.0	118579.0	113176.2	104156.5	92888.4	77218.7
0°	123011.2	125443.2	126792.5	126422.2	126792.5	125443.2	123011.2	118677.0	110353.8	99095.6	82699.2
-2.5°	120193.7	121659.2	122676.0	122283.2	122676.0	121659.2	120193.7	116429.9	108954.4	97516.2	81316.6
-5°	117071.2	118810.2	119190.6	119656.0	119190.6	118810.2	117071.2	113072.5	104470.8	92806.7	77267.8
-7.5°	101298.6	103158.7	103773.1	104704.0	103773.1	103158.7	101298.6	98926.9	92692.2	82141.6	67638.5
-10°	88435.6	90521.9	90622.5	91196.5	90622.5	90521.9	88435.6	85217.0	79302.3	70049.8	57657.1
-12.5°	77661.0	80532.1	81484.7	81256.7	81484.7	80532.1	77661.0	72225.9	67112.3	57355.5	49178.2
-15°	62048.8	64501.4	64676.4	64791.1	64676.4	64501.4	62048.8	56153.8	51725.8	45631.3	40306.2
-17.5°	50575.4	52958.6	53877.4	54162.8	53877.4	52958.6	50575.4	46679.0	43007.0	38607.6	34105.4
-20°	42169.6	43943.8	45066.1	45530.9	45066.1	43943.8	42169.6	39704.2	36832.1	33488.9	29810.1



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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°	34644.0	35768.7	36178.9	36281.6	36178.9	35768.7	34644.0	32861.4	30822.1	28120.6	25340.7
-25°	28107.1	29000.4	29519.8	29736.6	29519.8	29000.4	28107.1	26877.8	25127.7	23181.0	21011.0
-27.5°	23075.6	23870.6	24370.5	24447.4	24370.5	23870.6	23075.6	22117.0	20639.0	19329.2	17680.1
-30°	19271.7	19969.9	20437.1	20564.2	20437.1	19969.9	19271.7	18473.0	17429.9	16185.0	14692.8
-32.5°	15968.6	16566.2	16932.6	17090.7	16932.6	16566.2	15968.6	15216.7	14304.0	13279.5	12123.1
-35°	12907.6	13309.3	13544.1	13467.1	13544.1	13309.3	12907.6	12395.1	11708.5	10845.7	9982.6
-37.5°	10581.4	10904.6	11080.5	11089.9	11080.5	10904.6	10581.4	10114.2	9531.7	8867.2	8063.0
-40°	8390.8	8719.1	8916.9	8928.1	8916.9	8719.1	8390.8	7970.9	7464.0	6839.8	5991.5
-42.5°	6135.7	6471.8	6701.4	6850.9	6701.4	6471.8	6135.7	5663.7	5070.1	4378.7	3633.2
-45°	3508.8	3799.2	4020.6	4181.3	4020.6	3799.2	3508.8	3128.4	2672.4	2116.7	1530.2
-47.5°	1550.7	1597.8	1618.3	1611.7	1618.3	1597.8	1550.7	1486.5	1400.6	1300.5	1193.8
-50°	1191.4	1219.2	1233.2	1232.9	1233.2	1219.2	1191.4	1159.4	1124.4	1086.4	1044.8
-52.5°	1036.9	1044.0	1048.1	1050.1	1048.1	1044.0	1036.9	1028.1	1016.8	1002.6	986.9
-55°	979.6	994.3	999.8	998.2	999.8	994.3	979.6	960.9	938.2	911.6	881.5
-57.5°	842.5	860.7	872.8	879.0	872.8	860.7	842.5	819.9	793.3	761.6	725.1
-60°	656.4	667.2	674.0	677.0	674.0	667.2	656.4	640.9	620.2	593.8	563.8
-62.5°	504.1	516.5	522.6	525.1	522.6	516.5	504.1	489.6	472.9	454.0	430.6
-65°	391.6	400.6	405.5	407.7	405.5	400.6	391.6	380.8	368.4	350.9	329.0
-67.5°	287.6	291.6	293.7	294.3	293.7	291.6	287.6	281.9	274.4	262.0	244.1
-70°	214.8	220.7	224.4	227.0	224.4	220.7	214.8	208.2	201.0	191.4	177.9
-72.5°	154.9	157.9	160.1	161.6	160.1	157.9	154.9	151.2	146.9	140.6	130.4
-75°	98.2	99.2	99.8	100.0	99.8	99.2	98.2	96.7	94.7	91.8	86.1
-77.5°	63.8	64.9	66.2	67.3	66.2	64.9	63.8	62.6	61.3	59.5	55.4
-80°	40.4	40.2	40.3	40.4	40.3	40.2	40.4	40.5	40.4	40.0	37.5
-82.5°	26.7	26.8	26.9	26.9	26.9	26.8	26.7	26.5	26.3	26.1	24.8
-85°	19.1	19.2	19.2	19.2	19.2	19.2	19.1	19.0	18.9	18.8	17.7
-87.5°	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.6	13.0
-90°	2.4	1.9	0.9	0.0	0.9	1.9	2.4	2.9	3.3	3.8	4.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	12.5	11.0	9.6	9.1	8.7	8.2	7.7	7.7	7.7	7.7	7.7
87.5°	4.8	5.3	5.8	6.3	6.8	7.2	7.7	7.7	7.7	7.7	7.7
85°	6.5	6.9	7.3	7.4	7.4	7.6	7.7	7.7	7.7	7.7	7.7
82.5°	6.8	7.3	7.7	7.7	7.7	7.7	7.7	7.9	8.0	8.0	7.9
80°	6.8	7.3	7.7	7.7	7.7	7.7	7.8	8.3	8.7	9.1	9.3
77.5°	6.8	7.3	7.8	7.9	8.0	8.0	8.0	8.3	8.8	9.3	9.6
75°	6.9	7.4	7.9	8.5	9.0	9.4	9.6	9.8	9.9	10.1	10.0
72.5°	8.6	9.0	9.4	9.9	10.2	10.8	11.2	11.3	11.4	11.5	11.1
70°	11.0	11.8	12.9	14.0	14.8	15.1	14.8	14.1	13.3	13.0	12.3
67.5°	12.1	13.2	15.2	17.5	19.0	20.1	20.0	18.9	17.6	16.6	14.4
65°	12.3	13.3	16.0	18.9	21.5	23.9	26.2	26.5	25.3	22.5	17.4
62.5°	11.9	13.3	15.2	17.6	20.8	25.8	31.9	34.6	35.0	30.8	23.6
60°	10.4	11.7	13.4	15.3	17.5	24.4	34.3	41.6	46.1	39.0	29.4
57.5°	9.3	10.0	11.3	12.9	14.8	23.3	34.4	46.5	54.5	44.0	34.4
55°	9.4	9.9	10.5	11.0	12.2	20.7	31.3	43.5	51.1	45.3	34.5
52.5°	9.5	10.1	10.6	11.2	13.0	18.2	25.5	37.1	41.3	37.0	31.2
50°	9.7	10.2	10.8	11.3	13.2	16.6	22.2	30.1	30.5	29.0	24.4
47.5°	12.8	12.2	11.4	11.6	13.1	15.2	19.2	22.7	23.8	22.3	19.1
45°	16.7	16.1	14.9	14.3	13.6	14.7	16.8	19.1	20.0	19.3	15.9
42.5°	23.4	22.2	19.7	19.9	18.0	16.8	16.7	18.5	18.7	18.3	17.8
40°	43.2	36.9	36.3	32.3	28.0	22.7	22.2	21.1	20.7	18.7	22.0
37.5°	81.6	72.4	72.0	66.8	54.5	38.1	32.5	28.8	25.6	27.3	29.9
35°	144.7	132.4	125.9	117.3	101.9	75.3	49.6	40.5	36.6	38.7	40.8
32.5°	259.1	242.8	198.9	182.5	184.3	136.0	89.0	58.5	55.4	54.4	52.7
30°	421.4	421.0	358.4	312.2	332.6	276.6	149.8	108.9	83.2	73.8	66.8
27.5°	797.5	699.5	620.4	585.5	552.7	479.4	337.4	186.7	125.0	100.4	88.7
25°	1449.2	1152.8	1079.5	969.0	847.3	769.0	572.8	357.3	210.1	136.0	131.6
22.5°	2475.1	2158.5	1827.6	1455.4	1345.3	1183.0	923.7	558.5	340.1	254.7	198.3
20°	4286.5	3714.0	3011.1	2777.3	2309.4	1713.2	1363.0	1056.1	766.0	461.9	285.8
17.5°	8281.5	6635.3	5726.4	5233.6	4014.4	2768.6	2571.9	2133.3	1373.1	723.2	390.1
15°	14549.3	12988.9	11207.7	8952.9	6920.4	5608.3	4657.0	3517.1	2211.6	1164.2	626.9
12.5°	24658.1	21205.2	17981.5	13919.1	11432.8	9224.5	7364.1	5377.4	3397.1	1944.3	1040.4
10°	35228.4	30255.1	25277.9	20146.4	16272.2	13219.6	10076.1	7072.1	4660.4	2866.8	1513.7
7.5°	46947.9	39997.0	33062.4	26073.0	20716.9	16580.0	12318.4	8540.3	5827.4	3822.1	2022.9
5°	56338.1	47639.5	39193.7	30967.6	24790.4	19937.7	14600.7	9871.3	6891.9	4770.0	2539.2
2.5°	62574.3	52672.6	44409.2	35248.6	28360.7	22743.9	16696.4	11183.3	7677.5	5315.7	2752.1
0°	66995.3	56384.3	47275.4	36989.4	30057.8	24057.0	18388.9	12463.2	8279.9	5691.1	2906.1
-2.5°	65865.5	55123.1	46737.3	36410.8	29368.2	23757.6	18024.6	13109.5	8995.4	6012.9	2957.3
-5°	61385.4	50865.4	42693.8	33613.1	26998.9	21961.4	16887.2	12854.2	9160.8	6065.7	2934.7
-7.5°	54980.9	45830.8	38014.0	30109.6	24082.7	19513.7	15205.3	11656.9	8402.2	5490.7	2720.3
-10°	47517.5	39918.6	32897.7	26374.0	21280.7	17001.8	13434.7	10384.4	7545.9	4825.1	2437.9
-12.5°	40880.7	34133.1	27880.0	22557.4	18790.5	14973.2	11882.6	9166.3	6617.8	4095.5	2090.2
-15°	34093.5	29258.6	24344.0	19921.0	16309.2	13029.1	10452.9	8188.2	5785.3	3335.1	1679.6
-17.5°	29897.0	25283.2	21051.2	17720.8	14220.5	11314.2	9256.8	7203.4	4893.5	2655.0	1268.7
-20°	26384.6	22313.2	18714.5	15433.2	12351.4	9873.3	8175.8	6134.4	3899.7	2099.4	1143.9



REPORT NUMBER: P701501 (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°	22751.9	19737.0	16510.7	13224.6	10587.8	8668.5	6947.3	4979.9	2811.7	1497.0	1011.9
-25°	19188.4	17053.2	14338.5	11646.6	9158.2	7320.7	5668.7	3761.9	2121.6	1131.8	885.1
-27.5°	16031.7	14234.8	12509.7	10168.2	8089.8	6107.9	4346.6	2617.0	1405.8	994.8	821.5
-30°	13181.1	11841.0	10463.9	8860.1	6892.9	4943.7	3021.8	1794.9	1102.1	877.0	772.4
-32.5°	10834.1	9799.1	8628.7	7257.8	5428.4	3461.5	2075.1	1172.6	939.9	823.5	755.8
-35°	9005.2	7950.9	6812.2	5312.2	3573.6	2223.0	1246.3	1009.8	860.6	780.4	748.4
-37.5°	7148.0	6064.8	4686.8	3259.3	2103.2	1284.0	1067.7	915.0	808.6	771.7	718.7
-40°	4948.7	3766.5	2714.1	1663.0	1268.5	1089.4	961.5	855.4	808.0	746.7	676.1
-42.5°	2769.2	1864.7	1365.2	1208.9	1068.4	980.8	898.8	850.7	786.7	703.9	613.0
-45°	1392.1	1250.8	1121.3	1049.2	969.9	922.8	888.1	815.1	732.1	636.9	542.1
-47.5°	1129.9	1070.1	1008.9	971.1	935.6	892.4	821.5	746.0	648.8	556.9	476.6
-50°	1013.0	988.3	963.5	930.0	866.1	800.7	724.5	642.5	558.0	481.5	409.5
-52.5°	966.3	922.3	873.4	820.2	752.1	678.7	605.4	540.9	472.3	407.2	345.0
-55°	848.1	797.6	739.1	677.5	615.3	557.5	499.6	444.9	392.5	334.6	284.7
-57.5°	684.1	639.0	591.8	542.7	492.1	445.1	400.0	355.2	316.5	271.2	226.5
-60°	530.6	494.1	457.9	419.7	379.6	340.3	309.9	278.0	244.8	210.2	173.9
-62.5°	402.1	368.0	341.0	315.9	287.6	257.8	232.5	208.2	181.4	152.3	129.2
-65°	306.1	282.3	259.1	235.8	212.1	188.1	167.0	148.0	130.4	111.5	92.1
-67.5°	224.3	202.8	182.5	165.1	150.4	133.5	118.5	103.3	92.4	82.7	71.5
-70°	164.3	150.5	137.1	122.5	108.3	96.1	87.4	79.4	70.7	61.5	51.9
-72.5°	120.3	110.3	100.3	90.5	81.4	72.4	63.7	55.8	48.1	40.6	33.9
-75°	80.0	73.5	66.6	59.2	51.6	43.7	38.6	35.4	31.9	28.1	23.9
-77.5°	51.3	47.3	43.2	39.1	35.2	31.3	27.7	24.8	22.5	20.2	18.2
-80°	35.0	32.5	30.0	27.7	25.3	23.2	21.1	19.3	17.5	15.9	14.6
-82.5°	23.5	22.2	20.9	19.4	18.0	16.5	15.0	14.0	13.2	12.5	12.0
-85°	16.7	15.7	14.6	13.6	12.6	11.7	10.8	10.7	10.6	10.5	10.4
-87.5°	12.5	11.9	11.3	10.8	10.3	9.8	9.3	9.2	9.2	9.1	9.0
-90°	4.8	5.3	5.8	6.3	6.8	7.2	7.7	7.7	7.7	7.7	7.7



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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°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
87.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.9	8.0	8.1
85°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	8.1	8.4	8.6
82.5°	7.7	7.7	7.7	7.7	8.0	8.2	8.3	8.2	8.4	8.7	9.0
80°	9.0	8.8	8.5	8.3	8.4	8.7	9.0	9.0	8.9	9.0	9.3
77.5°	9.6	9.6	9.6	9.3	9.2	9.2	9.3	9.6	9.5	9.3	9.4
75°	9.6	9.6	9.6	9.6	9.6	9.6	9.5	9.6	9.6	9.6	9.5
72.5°	10.4	9.9	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
70°	11.4	10.4	9.7	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
67.5°	12.5	11.5	10.4	9.7	9.6	9.6	9.6	9.6	9.6	9.6	9.6
65°	14.8	12.8	11.4	10.5	9.8	9.6	9.6	9.6	9.6	9.6	9.6
62.5°	17.9	14.2	12.4	11.2	10.2	9.7	9.6	9.6	9.6	9.6	9.6
60°	21.9	16.5	13.6	12.1	10.8	9.8	9.6	9.6	9.6	9.6	9.6
57.5°	25.1	18.1	15.5	13.3	11.6	10.2	9.6	9.6	9.6	9.6	9.6
55°	26.3	19.7	17.3	15.1	12.7	10.9	9.9	9.6	9.6	9.6	9.6
52.5°	23.3	20.3	18.8	16.6	14.3	11.8	10.6	9.6	9.6	9.6	9.6
50°	18.3	19.1	19.2	17.7	15.8	13.3	11.3	10.2	9.6	9.6	9.7
47.5°	16.2	18.0	18.4	18.1	16.4	14.7	12.4	10.8	9.6	9.6	9.9
45°	16.7	17.3	17.9	17.7	17.0	15.4	13.4	11.4	10.1	9.8	10.0
42.5°	18.4	18.5	18.1	17.4	17.2	15.9	14.2	12.1	10.7	10.0	10.2
40°	22.2	21.0	19.3	19.0	17.5	16.4	14.7	12.8	11.2	10.5	10.5
37.5°	27.2	25.1	22.4	22.9	19.0	17.0	15.1	13.3	12.0	11.1	10.8
35°	37.5	30.7	29.1	28.8	24.1	17.7	15.5	13.7	12.8	11.8	11.2
32.5°	50.9	41.4	38.7	35.9	30.9	18.7	16.1	14.9	13.8	12.5	11.6
30°	65.2	60.1	49.8	43.8	38.7	24.9	17.8	16.3	14.7	13.1	12.0
27.5°	87.9	81.2	63.5	54.0	46.1	33.1	21.4	18.0	15.7	13.8	12.6
25°	118.3	104.6	83.4	65.6	54.1	52.4	25.8	19.9	17.0	14.6	13.1
22.5°	161.1	131.9	104.6	78.1	85.9	77.1	36.3	23.4	18.4	15.5	13.6
20°	210.8	162.9	137.6	131.1	125.6	104.4	54.6	27.3	20.0	16.3	14.1
17.5°	270.4	239.4	229.1	197.8	170.0	135.7	75.7	31.6	21.6	17.1	14.6
15°	440.0	374.9	330.4	272.5	217.9	170.3	98.9	36.2	23.3	17.9	14.9
12.5°	640.7	518.7	439.1	353.4	268.5	207.3	123.5	40.9	25.0	18.6	15.1
10°	848.8	668.3	553.1	438.6	320.9	245.9	148.7	46.1	27.3	19.2	15.2
7.5°	1060.2	821.0	669.9	525.7	373.0	283.8	176.2	52.2	29.7	19.8	15.3
5°	1252.1	953.4	765.5	595.7	419.3	319.1	203.2	58.3	32.1	20.3	15.3
2.5°	1357.6	1050.3	844.2	659.2	463.8	352.3	228.1	64.0	34.4	20.8	15.4
0°	1450.2	1140.5	917.4	717.4	505.8	382.7	250.0	69.2	36.5	21.2	15.4
-2.5°	1450.7	1126.1	914.4	735.1	526.6	394.4	259.5	84.5	45.9	26.4	17.2
-5°	1436.6	1104.8	907.1	746.6	543.3	402.6	265.4	98.8	54.8	31.3	18.9
-7.5°	1372.3	1062.6	888.6	749.1	555.2	407.3	267.8	111.8	63.0	35.8	20.4
-10°	1286.5	1006.4	854.8	725.7	550.3	406.1	267.1	123.1	70.2	39.7	21.7
-12.5°	1187.8	947.3	821.8	700.0	539.5	399.6	262.3	131.8	76.4	42.9	22.8
-15°	1076.7	886.6	791.3	673.3	525.2	390.4	255.4	138.2	81.6	45.6	23.5
-17.5°	957.9	825.3	764.6	646.5	507.5	378.9	246.9	142.5	85.3	47.9	24.6
-20°	894.9	785.0	739.9	620.6	486.5	365.1	237.1	144.5	87.6	49.3	25.9



REPORT NUMBER: P701501 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	839.5	764.0	704.1	593.5	464.6	349.4	226.4	144.2	88.1	49.7	26.8
-25°	782.8	743.9	668.5	557.9	443.3	332.7	219.9	141.2	86.9	49.1	27.3
-27.5°	751.1	719.1	633.4	519.5	414.4	316.2	215.6	139.5	84.7	47.4	27.2
-30°	731.1	679.7	590.4	480.3	383.1	290.8	208.0	135.5	82.6	46.3	26.7
-32.5°	715.9	642.1	543.0	443.6	351.7	263.7	192.5	128.9	78.9	45.6	26.5
-35°	682.6	595.8	493.9	404.5	319.5	241.4	174.1	119.8	73.7	44.2	26.0
-37.5°	644.5	543.2	449.4	365.4	285.8	217.5	157.2	107.3	67.0	42.0	24.9
-40°	584.3	490.3	404.3	327.4	256.2	192.1	138.7	95.6	62.4	39.1	23.1
-42.5°	521.4	438.4	360.6	288.1	227.0	169.8	119.2	83.0	56.8	36.1	20.8
-45°	462.1	385.7	315.7	253.9	196.9	145.8	104.3	70.5	50.4	32.7	18.8
-47.5°	401.5	334.5	273.0	217.6	168.6	122.4	88.5	62.4	43.3	28.5	17.7
-50°	343.6	284.5	231.1	183.1	138.0	104.0	73.6	53.7	37.1	23.0	16.4
-52.5°	288.3	236.7	191.0	148.5	114.3	84.7	62.9	44.5	30.5	19.9	14.9
-55°	235.3	192.0	152.3	119.6	91.5	70.1	51.5	36.6	23.5	17.8	13.3
-57.5°	187.1	149.0	120.1	93.5	73.2	56.3	41.1	28.3	20.1	15.7	12.9
-60°	141.1	115.5	90.6	73.5	58.0	43.7	31.3	21.6	17.6	13.9	12.5
-62.5°	106.0	85.1	70.7	56.7	44.1	32.5	22.5	18.8	15.0	13.3	12.0
-65°	79.5	66.3	52.8	42.1	31.5	23.0	19.3	15.9	14.0	12.8	11.7
-67.5°	59.8	48.7	37.7	28.0	22.7	19.1	16.0	14.5	13.4	12.2	11.7
-70°	42.1	32.2	25.4	21.1	17.7	15.3	14.7	13.9	12.8	12.0	11.6
-72.5°	28.5	23.4	18.7	15.3	14.9	14.4	13.9	13.2	12.3	11.8	11.5
-75°	19.6	17.1	15.4	14.3	13.9	13.4	13.0	12.4	11.9	11.5	11.1
-77.5°	16.5	15.0	13.9	13.2	12.8	12.5	12.1	11.7	11.3	10.9	10.5
-80°	13.8	13.1	12.5	12.1	11.8	11.5	11.2	10.9	10.6	10.3	10.0
-82.5°	11.6	11.4	11.2	11.0	10.8	10.5	10.3	10.1	9.9	9.6	9.4
-85°	10.3	10.1	10.0	9.9	9.7	9.6	9.5	9.3	9.2	9.0	8.8
-87.5°	9.0	8.9	8.9	8.8	8.7	8.6	8.6	8.5	8.4	8.3	8.3
-90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7



REPORT NUMBER: P701501 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7
87.5°	8.2	8.1	8.0	7.9	7.9	7.7	7.7
85°	8.7	8.5	8.4	8.2	8.0	7.8	7.7
82.5°	9.2	8.9	8.7	8.4	8.2	7.8	7.7
80°	9.6	9.3	9.0	8.7	8.3	7.9	7.7
77.5°	9.6	9.6	9.3	8.9	8.5	7.9	7.7
75°	9.6	9.6	9.6	9.2	8.6	7.9	7.7
72.5°	9.6	9.6	9.6	9.4	8.8	8.0	7.7
70°	9.6	9.6	9.6	9.6	8.9	8.0	7.7
67.5°	9.6	9.6	9.6	9.6	9.0	8.0	7.7
65°	9.6	9.6	9.6	9.6	9.2	8.1	7.7
62.5°	9.6	9.6	9.6	9.6	9.3	8.1	7.7
60°	9.6	9.6	9.6	9.6	9.3	8.1	7.7
57.5°	9.6	9.6	9.6	9.6	9.3	8.1	7.7
55°	9.6	9.6	9.6	9.6	9.3	8.1	7.7
52.5°	9.6	9.6	9.6	9.6	9.3	8.2	7.7
50°	9.6	9.6	9.6	9.6	9.3	8.2	7.7
47.5°	9.6	9.6	9.6	9.6	9.3	8.2	7.7
45°	9.8	9.6	9.6	9.6	9.3	8.2	7.7
42.5°	10.0	9.6	9.6	9.6	9.3	8.2	7.7
40°	10.2	9.6	9.6	9.6	9.3	8.2	7.7
37.5°	10.4	9.6	9.6	9.6	9.3	8.2	7.7
35°	10.7	9.7	9.6	9.6	9.3	8.1	7.7
32.5°	11.0	9.9	9.6	9.6	9.3	8.1	7.7
30°	11.3	10.1	9.6	9.6	9.3	8.1	7.7
27.5°	11.6	10.3	9.6	9.6	9.4	8.1	7.7
25°	12.0	10.6	9.6	9.6	9.4	8.1	7.7
22.5°	12.3	10.8	9.6	9.6	9.4	8.0	7.7
20°	12.7	10.9	9.6	9.6	9.4	8.0	7.7
17.5°	12.9	11.1	9.6	9.6	9.5	8.0	7.7
15°	13.1	11.2	9.6	9.6	9.5	7.9	7.7
12.5°	13.2	11.3	9.6	9.6	9.5	7.9	7.7
10°	13.3	11.4	9.6	9.6	9.6	7.9	7.7
7.5°	13.4	11.4	9.6	9.6	9.6	7.8	7.7
5°	13.5	11.5	9.6	9.6	9.6	7.8	7.7
2.5°	13.5	11.5	9.6	9.6	9.6	7.7	7.7
0°	13.5	11.5	9.6	9.6	9.6	7.7	7.7
-2.5°	13.7	11.7	9.8	9.6	9.6	7.7	7.7
-5°	14.0	11.9	9.9	9.6	9.6	7.8	7.7
-7.5°	14.2	12.1	10.1	9.6	9.6	7.8	7.7
-10°	14.3	12.2	10.2	9.6	9.6	7.9	7.7
-12.5°	14.5	12.4	10.4	9.6	9.5	7.9	7.7
-15°	14.6	12.5	10.5	9.6	9.5	7.9	7.7
-17.5°	14.7	12.6	10.5	9.6	9.5	8.0	7.7
-20°	15.2	12.6	10.6	9.6	9.4	8.0	7.7



REPORT NUMBER: P701501 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	16.0	12.7	10.6	9.6	9.4	8.0	7.7
-25°	16.6	12.7	10.6	9.6	9.4	8.1	7.7
-27.5°	16.9	12.7	10.6	9.6	9.4	8.1	7.7
-30°	16.8	12.7	10.5	9.6	9.3	8.1	7.7
-32.5°	16.3	12.5	10.4	9.6	9.3	8.1	7.7
-35°	15.9	12.2	10.3	9.6	9.3	8.1	7.7
-37.5°	15.6	12.0	10.1	9.6	9.3	8.2	7.7
-40°	15.2	11.8	10.0	9.6	9.3	8.2	7.7
-42.5°	14.6	11.6	9.9	9.6	9.3	8.2	7.7
-45°	13.8	11.4	10.0	9.7	9.3	8.2	7.7
-47.5°	12.9	11.1	10.1	9.7	9.3	8.2	7.7
-50°	12.5	10.9	10.1	9.7	9.3	8.2	7.7
-52.5°	12.2	10.6	10.2	9.8	9.3	8.2	7.7
-55°	11.8	10.6	10.2	9.8	9.3	8.1	7.7
-57.5°	11.5	10.7	10.3	9.8	9.3	8.1	7.7
-60°	11.1	10.7	10.3	9.7	9.3	8.1	7.7
-62.5°	11.2	10.8	10.2	9.7	9.3	8.1	7.7
-65°	11.2	10.8	10.1	9.7	9.2	8.1	7.7
-67.5°	11.3	10.7	10.0	9.7	9.0	8.0	7.7
-70°	11.3	10.5	9.9	9.6	8.9	8.0	7.7
-72.5°	11.0	10.2	9.8	9.4	8.8	8.0	7.7
-75°	10.6	10.0	9.6	9.2	8.6	7.9	7.7
-77.5°	10.1	9.7	9.3	8.9	8.5	7.9	7.7
-80°	9.7	9.3	9.0	8.7	8.3	7.9	7.7
-82.5°	9.2	8.9	8.7	8.4	8.2	7.8	7.7
-85°	8.7	8.5	8.4	8.2	8.0	7.8	7.7
-87.5°	8.2	8.1	8.0	7.9	7.9	7.7	7.7
-90°	7.7	7.7	7.7	7.7	7.7	7.7	7.7

(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

