

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: P701472 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-40-70-4S-CV2-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701472 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-25)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-40-70-4S-CV2-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 4S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

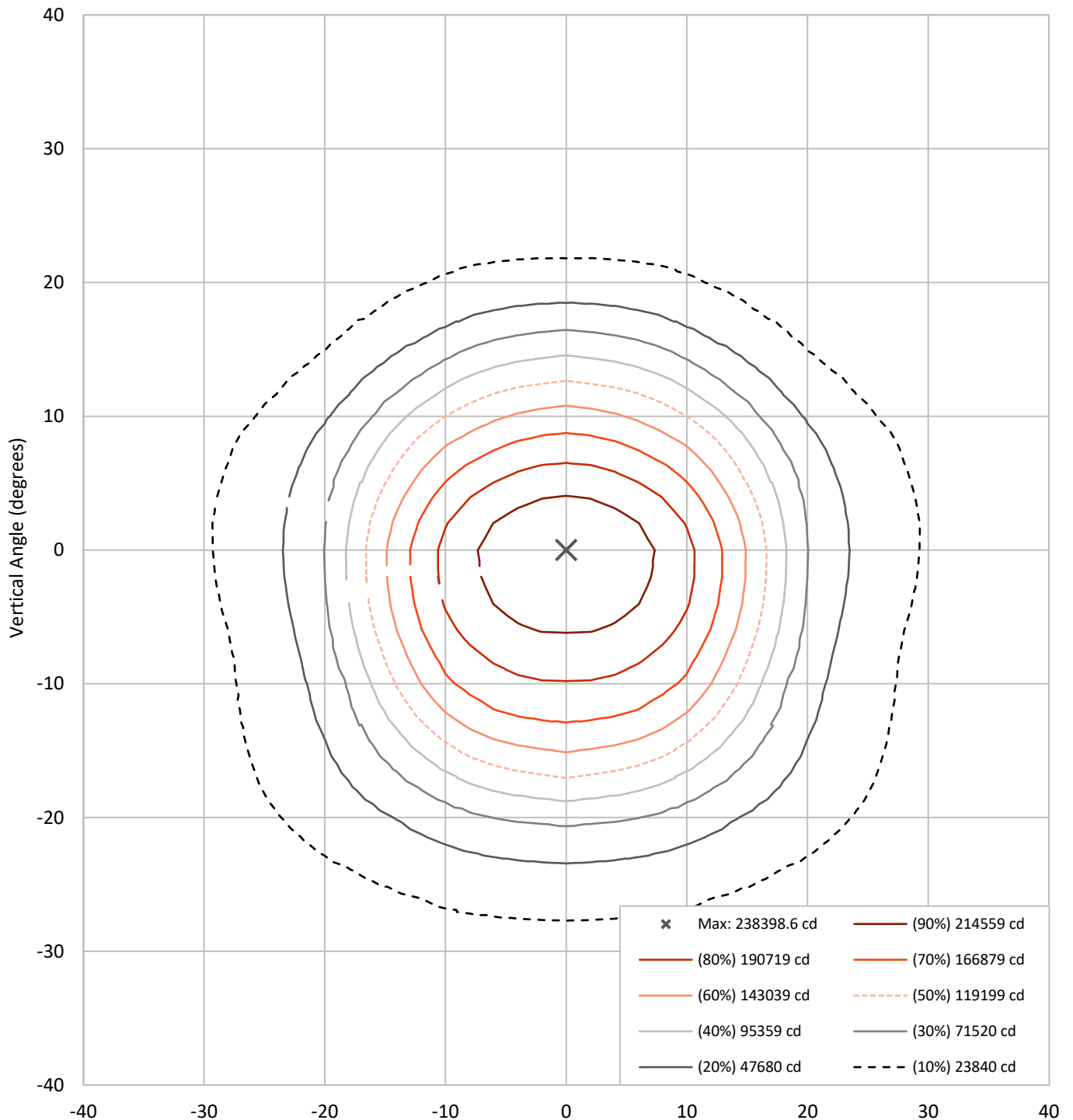
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	76298.3 lumens	Max Intensity:	238398.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	116.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.2°H x 29.7°V	Field Angle (10%):	58.6°H x 49.3°V
Beam Lumens:	41867.3 lumens	Field Lumens:	67080.6 lumens
Beam Efficiency:	54.9%	Field Efficiency:	87.9%

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





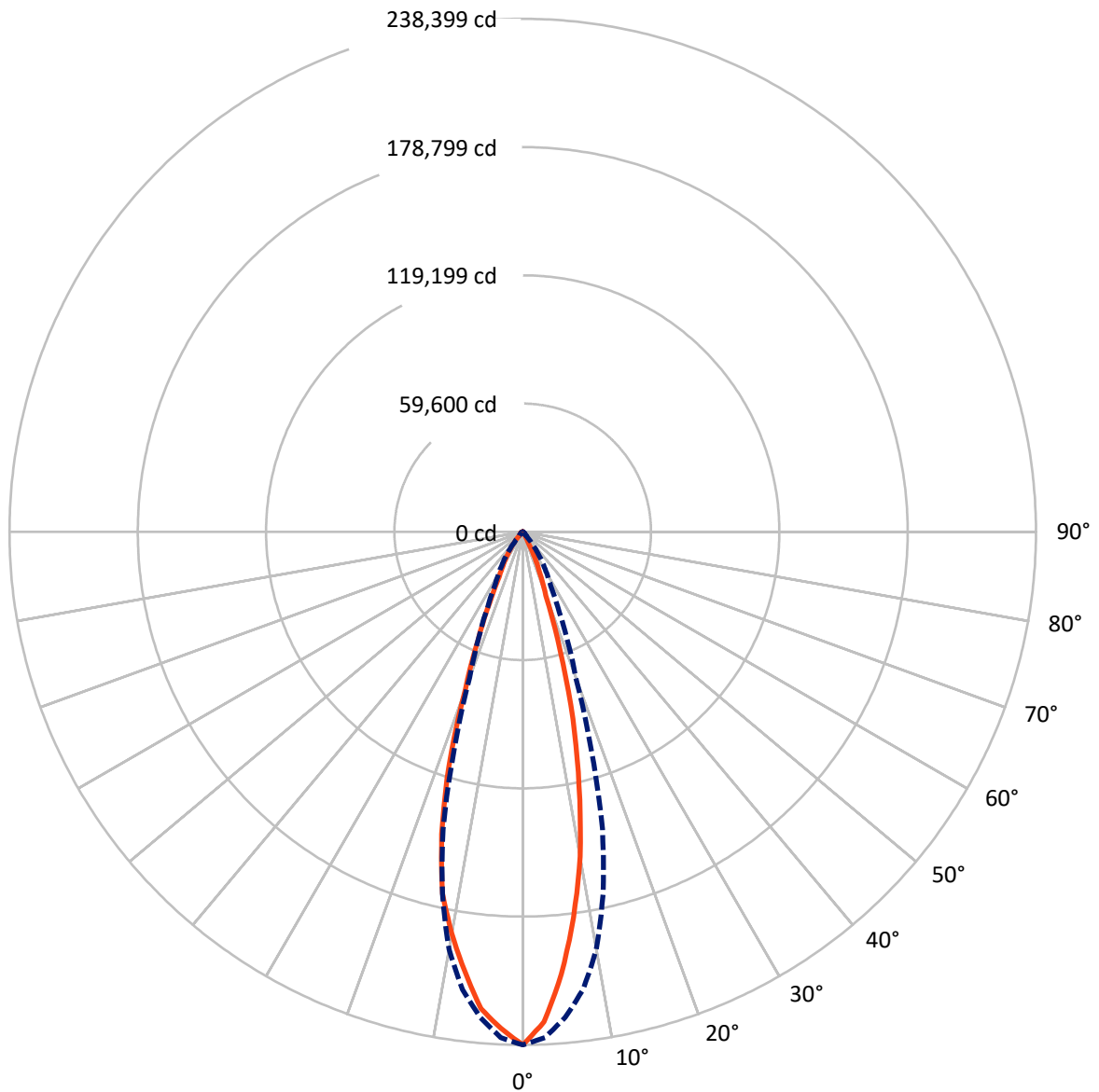
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Lumen Table

90	0.2		0.5		0.6		0.6		0.5		0.6		0.6		0.5		0.2		
80	0.2		0.5		0.6		0.6		0.5		0.6		0.6		0.5		0.2		
70	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			
60		0.1	0.3	0.8	0.8	0.4	0.3	0.4	0.4	0.3	0.4	0.8	0.8	0.3	0.1				
50	0.2	0.2	0.4	0.6	0.7	0.9	1.2	1.5	1.5	1.2	0.9	0.7	0.6	0.4	0.2	0.2			
40		0.2	0.9	1.8	3.2	7.2	14.4	19.8	19.8	14.4	7.2	3.2	1.8	0.9	0.2				
30	0.3	0.4	2.8	7.5	28.0	101.7	241.0	407.6	407.6	241.0	101.7	28.0	7.5	2.8	0.4	0.3			
20		0.9	6.2	20.1	123.5	427.7	1312.4	2479.5	2479.5	1312.4	427.7	123.5	20.1	6.2	0.9				
10	0.3	1.8	10.7	37.9	287.7	1024.7	3399.1	5743.4	5743.4	3399.1	1024.7	287.7	37.9	10.7	1.8	0.3			
0		2.9	14.2	45.0	299.8	1056.7	3815.1	6305.5	6305.5	3815.1	1056.7	299.8	45.0	14.2	2.9				
-10	0.5	3.4	14.5	38.7	234.0	779.0	2278.5	3980.6	3980.6	2278.5	779.0	234.0	38.7	14.5	3.4	0.5			
-20		3.1	12.4	26.6	101.1	369.7	769.5	1151.7	1151.7	769.5	369.7	101.1	26.6	12.4	3.1				
-30	0.4	2.5	9.5	18.5	34.7	99.9	226.7	320.3	320.3	226.7	99.9	34.7	18.5	9.5	2.5	0.4			
-40		1.5	6.4	14.0	22.9	34.7	50.8	66.6	66.6	50.8	34.7	22.9	14.0	6.4	1.5				
-50	0.3	0.8	3.4	9.2	16.9	24.4	31.3	35.4	35.4	31.3	24.4	16.9	9.2	3.4	0.8	0.3			
-60		0.3	1.3	3.8	8.2	14.1	20.2	23.8	23.8	20.2	14.1	8.2	3.8	1.3	0.3				
-70	0.2	0.9		3.0		8.0		11.3		8.0		3.0		0.9		0.2			
-80		0.9		3.0		8.0		11.3		8.0		3.0		0.9					
-90	0.2		0.9		3.0		8.0		11.3		8.0		3.0		0.9		0.2		

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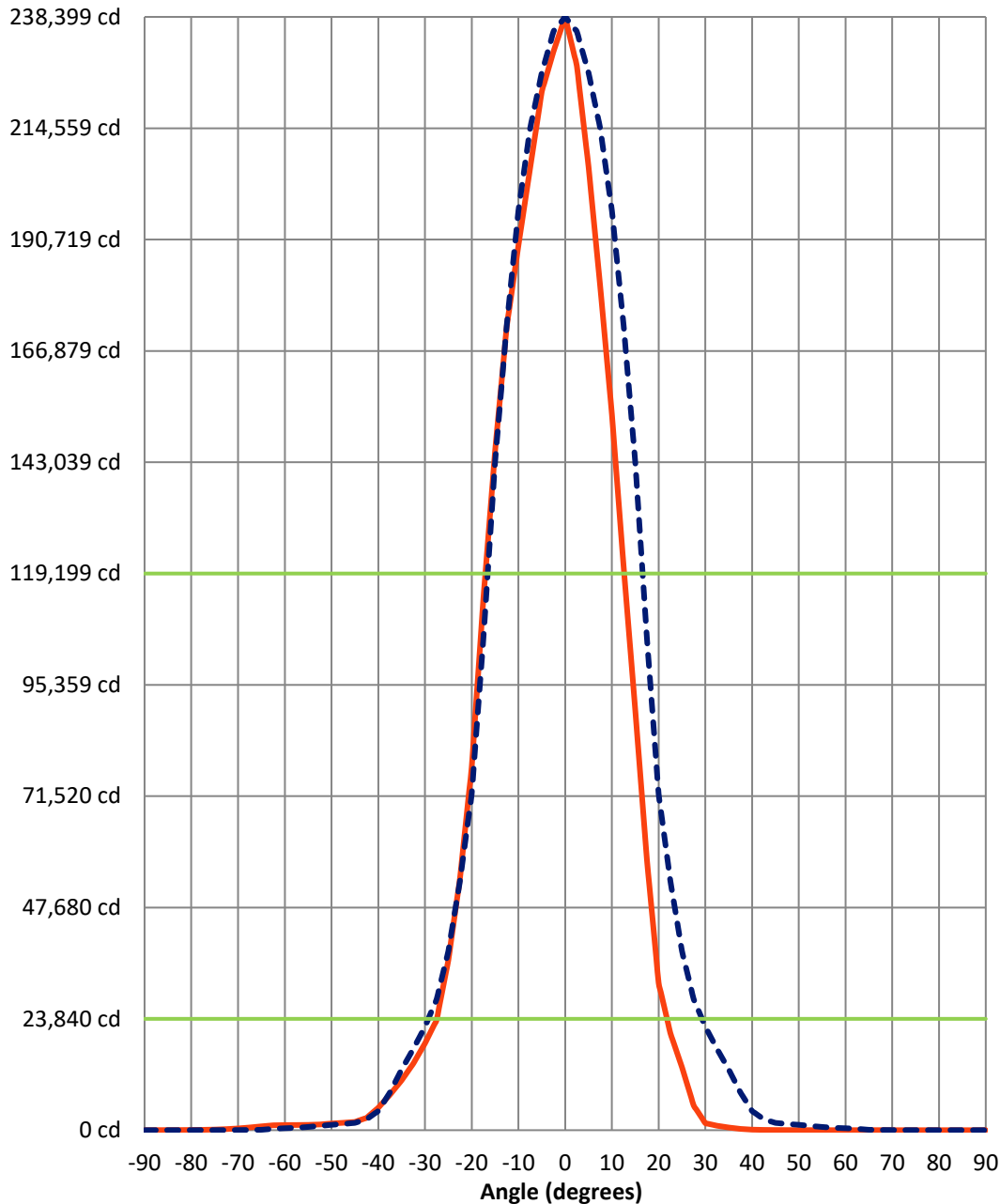
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.2°
 V Angle: 29.7°
 Lumens: 41867.3
 Efficiency: 54.9%

Field:
 H Angle: 58.6°
 V Angle: 49.3°
 Lumens: 67080.6
 Efficiency: 87.9%

Spill:
 Lumens: 9217.7
 Efficiency: 12.1%

— 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°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
87.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
85°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
82.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.4
80°	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.7	8.8	8.7	8.4
77.5°	8.4	8.4	8.4	8.4	8.4	8.6	9.0	9.2	9.2	9.0	8.5
75°	8.4	8.4	8.4	8.4	8.5	9.0	9.5	9.7	9.6	9.1	8.6
72.5°	8.4	8.4	8.4	8.4	8.8	9.4	10.0	10.1	9.6	9.1	8.6
70°	8.4	8.4	8.4	8.4	9.2	9.9	10.5	10.2	9.7	9.2	9.3
67.5°	8.4	8.4	8.4	8.7	9.5	10.3	10.5	10.2	9.8	9.7	10.0
65°	8.4	8.4	8.4	9.0	9.8	10.5	10.5	10.3	10.0	10.2	10.5
62.5°	8.4	8.4	8.4	9.2	10.2	10.5	10.5	10.4	10.3	10.5	10.5
60°	8.4	8.4	8.4	9.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5
57.5°	8.4	8.4	8.6	9.7	10.5	10.5	10.5	10.5	10.5	10.5	10.5
55°	8.4	8.4	8.7	9.9	10.5	10.5	10.5	10.5	10.5	10.5	10.5
52.5°	8.4	8.4	8.9	10.1	10.5	10.5	10.5	10.5	10.5	10.5	10.5
50°	8.4	8.4	9.0	10.3	10.5	10.5	10.5	10.5	10.5	10.5	11.4
47.5°	8.4	8.4	9.1	10.5	10.5	10.5	10.5	10.5	10.5	10.5	12.4
45°	8.4	8.4	9.3	10.5	10.5	10.5	10.5	10.5	10.6	11.2	13.2
42.5°	8.4	8.4	9.4	10.5	10.5	10.5	10.5	10.6	10.7	11.7	13.7
40°	8.4	8.4	9.5	10.5	10.5	10.5	10.5	10.7	11.0	12.2	14.1
37.5°	8.4	8.4	9.6	10.5	10.5	10.5	10.5	11.0	11.7	12.9	14.5
35°	8.4	8.4	9.7	10.5	10.5	10.5	10.5	11.2	12.2	13.6	14.9
32.5°	8.4	8.4	9.8	10.5	10.5	10.5	10.6	11.5	12.8	14.2	15.9
30°	8.4	8.4	9.9	10.5	10.5	10.5	10.8	11.8	13.4	14.9	17.3
27.5°	8.4	8.4	10.0	10.5	10.5	10.5	11.0	12.3	13.9	15.4	18.9
25°	8.4	8.4	10.1	10.5	10.5	10.5	11.3	12.7	14.4	16.5	21.0
22.5°	8.4	8.4	10.2	10.5	10.5	10.5	11.5	13.2	14.9	18.0	25.4
20°	8.4	8.4	10.2	10.5	10.5	10.7	11.8	13.5	15.3	19.6	29.8
17.5°	8.4	8.4	10.3	10.5	10.5	10.9	12.1	13.9	15.7	21.3	34.3
15°	8.4	8.4	10.4	10.5	10.5	11.1	12.3	14.3	16.1	23.0	38.8
12.5°	8.4	8.4	10.4	10.5	10.5	11.3	12.4	14.7	17.3	24.8	43.2
10°	8.4	8.4	10.4	10.5	10.5	11.6	12.5	15.2	19.1	28.9	49.3
7.5°	8.4	8.4	10.5	10.5	10.5	11.8	12.6	15.6	21.2	33.4	59.3
5°	8.4	8.4	10.5	10.5	10.5	12.1	12.6	16.0	23.2	37.9	69.4
2.5°	8.4	8.4	10.5	10.5	10.5	12.4	12.6	16.4	25.3	42.2	79.1
0°	8.4	8.4	10.5	10.5	10.5	12.6	12.6	16.8	27.3	46.3	88.3
-2.5°	8.4	8.4	10.5	10.5	10.5	12.6	13.7	20.1	35.2	61.3	114.2
-5°	8.4	8.4	10.5	10.5	10.5	12.6	14.8	23.2	42.8	75.6	138.7
-7.5°	8.4	8.4	10.5	10.5	10.5	12.5	15.8	26.1	49.7	88.8	161.0
-10°	8.4	8.4	10.4	10.5	10.5	12.4	16.7	28.6	55.8	100.6	180.6
-12.5°	8.4	8.4	10.4	10.5	10.5	12.3	17.4	30.8	60.9	110.5	193.5
-15°	8.4	8.4	10.4	10.5	10.5	12.2	17.9	32.5	65.2	118.2	201.9
-17.5°	8.4	8.4	10.3	10.5	10.5	12.1	18.1	34.3	68.7	123.9	207.6
-20°	8.4	8.4	10.2	10.5	10.5	12.0	18.6	36.0	70.7	127.5	210.3



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.4	8.4	10.2	10.5	10.5	11.8	19.3	37.1	71.1	128.6	209.8
-25°	8.4	8.4	10.1	10.5	10.5	11.9	19.6	37.5	69.9	127.3	206.0
-27.5°	8.4	8.4	10.0	10.5	10.5	12.1	19.6	37.2	66.9	124.3	203.9
-30°	8.4	8.4	9.9	10.5	10.5	12.2	19.0	36.1	65.0	120.7	198.5
-32.5°	8.4	8.4	9.8	10.5	10.6	12.1	17.9	35.3	63.6	114.6	189.6
-35°	8.4	8.4	9.7	10.5	10.7	11.8	17.5	34.0	61.1	105.9	177.1
-37.5°	8.4	8.4	9.6	10.5	10.8	11.6	17.2	32.0	57.5	94.7	157.8
-40°	8.4	8.4	9.5	10.5	10.8	11.7	16.6	29.3	52.8	87.3	138.9
-42.5°	8.4	8.4	9.4	10.5	10.9	11.7	15.8	25.8	48.3	79.0	119.0
-45°	8.4	8.4	9.3	10.6	10.9	11.7	14.7	22.8	43.4	69.8	99.7
-47.5°	8.4	8.4	9.1	10.6	11.0	11.7	13.3	21.2	37.5	59.9	88.6
-50°	8.4	8.4	9.0	10.5	11.1	11.7	13.0	19.2	30.2	51.5	76.8
-52.5°	8.4	8.4	8.9	10.3	11.1	11.6	12.9	16.8	25.7	42.5	64.5
-55°	8.4	8.4	8.7	10.1	11.2	11.6	12.7	14.4	22.2	32.8	53.3
-57.5°	8.4	8.4	8.6	10.0	11.2	11.7	12.4	14.1	18.4	27.0	41.5
-60°	8.4	8.4	8.4	9.8	11.3	11.7	12.2	13.6	15.1	22.1	31.1
-62.5°	8.4	8.4	8.4	9.6	11.0	11.8	12.3	13.1	14.5	16.9	24.9
-65°	8.4	8.4	8.4	9.3	10.7	11.8	12.3	12.8	14.0	15.3	18.4
-67.5°	8.4	8.4	8.4	9.1	10.4	11.7	12.4	12.8	13.4	14.6	15.9
-70°	8.4	8.4	8.4	8.9	10.1	11.3	12.4	12.7	13.2	13.9	15.1
-72.5°	8.4	8.4	8.4	8.8	9.8	10.9	12.0	12.6	12.9	13.5	14.3
-75°	8.4	8.4	8.4	8.8	9.4	10.5	11.5	12.1	12.6	13.0	13.6
-77.5°	8.4	8.4	8.4	8.7	9.3	10.1	11.0	11.5	12.0	12.4	12.8
-80°	8.4	8.4	8.4	8.7	9.1	9.7	10.5	10.9	11.3	11.6	11.9
-82.5°	8.4	8.4	8.4	8.6	8.9	9.4	10.0	10.3	10.5	10.8	11.1
-85°	8.4	8.4	8.4	8.5	8.8	9.1	9.5	9.7	9.8	10.0	10.2
-87.5°	8.4	8.4	8.4	8.5	8.6	8.7	8.9	9.0	9.1	9.2	9.3
-90°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4



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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	8.4	8.4	8.4	8.4	7.9	7.4	6.8
87.5°	7.9	7.4	6.8	6.3	6.3	6.3	6.3	6.3	5.8	5.3	4.7
85°	7.9	7.4	7.0	6.6	6.6	6.6	6.5	6.3	6.0	5.8	5.7
82.5°	8.1	7.9	7.8	7.8	7.6	7.3	6.9	6.4	6.3	6.3	6.3
80°	8.3	8.4	8.4	8.4	8.0	7.4	6.9	6.4	6.3	6.4	6.4
77.5°	8.4	8.4	8.4	8.4	8.0	7.7	7.5	7.5	7.5	7.3	6.9
75°	8.4	8.4	8.5	8.5	8.3	8.3	8.4	8.4	8.1	7.6	7.0
72.5°	8.7	9.0	9.0	8.7	8.4	8.4	8.4	8.4	8.6	8.8	8.6
70°	9.6	9.7	9.3	8.7	8.4	8.7	9.8	10.9	11.7	11.7	12.1
67.5°	10.4	9.9	9.3	9.1	10.0	11.3	12.6	14.2	16.0	16.6	17.5
65°	10.4	9.9	10.0	10.8	12.4	14.0	15.9	18.1	22.6	25.4	26.7
62.5°	10.5	10.4	11.0	12.5	14.7	16.7	20.0	25.1	31.9	36.7	36.9
60°	10.5	10.7	12.3	14.6	16.9	19.6	24.5	32.3	42.6	50.4	46.0
57.5°	10.5	11.7	14.2	16.5	18.8	21.9	29.4	39.4	50.0	61.1	52.2
55°	11.0	13.4	15.7	17.8	20.7	24.8	32.6	42.0	53.7	56.8	46.7
52.5°	12.4	14.8	16.7	19.2	22.8	26.7	32.1	40.4	44.1	45.0	38.8
50°	13.7	15.5	17.4	20.4	24.1	27.4	29.0	34.0	35.4	33.6	30.2
47.5°	14.4	16.2	18.0	21.3	25.0	27.7	27.9	28.1	27.6	27.1	22.3
45°	15.0	16.8	18.6	22.3	26.2	28.7	27.3	23.4	26.6	25.7	24.6
42.5°	15.5	17.4	20.4	23.4	28.5	30.1	27.9	28.9	29.8	31.1	31.5
40°	16.0	18.0	23.0	28.6	31.6	32.3	35.8	38.4	37.2	40.8	42.9
37.5°	16.5	20.8	27.8	38.3	34.9	39.5	46.1	56.6	57.0	53.7	61.7
35°	16.9	24.1	39.6	50.9	48.2	51.0	68.3	82.0	86.2	81.6	86.8
32.5°	19.0	27.7	54.5	66.2	72.9	76.4	96.1	116.8	132.4	135.5	122.7
30°	22.8	41.3	71.5	84.7	104.2	123.1	136.8	161.9	194.0	219.0	229.3
27.5°	27.9	57.8	89.2	113.1	142.9	175.1	198.7	230.0	282.3	327.2	364.2
25°	33.3	80.2	109.1	147.9	192.1	233.8	270.2	322.4	391.7	466.2	595.7
22.5°	45.3	105.8	138.9	186.2	244.6	296.9	357.4	431.6	520.3	622.6	862.9
20°	64.8	131.0	174.9	229.1	301.1	363.0	448.3	543.1	664.1	882.2	1290.2
17.5°	85.7	158.0	211.7	279.7	369.1	447.4	542.9	653.8	814.0	1163.0	1966.6
15°	107.3	186.4	246.9	333.3	443.4	555.0	670.5	791.2	1020.4	1560.4	2827.9
12.5°	129.2	215.6	280.3	388.7	522.2	667.5	805.2	958.7	1290.2	2243.4	4103.9
10°	150.8	245.0	311.9	444.7	603.4	782.4	938.7	1119.5	1570.6	2862.2	5245.0
7.5°	186.2	283.3	345.6	499.9	685.1	897.3	1069.8	1272.7	1844.6	3401.5	6295.9
5°	223.7	330.4	399.4	567.3	765.8	999.8	1188.2	1417.1	2104.0	3855.2	7281.7
2.5°	259.5	375.6	451.9	632.2	841.4	1079.4	1263.5	1498.0	2242.7	4067.2	7890.6
0°	292.2	418.4	502.5	691.7	910.3	1150.0	1330.8	1568.4	2327.3	4108.0	8085.7
-2.5°	331.9	465.3	554.9	738.9	948.0	1191.4	1373.5	1621.8	2414.8	4337.8	8121.0
-5°	365.9	508.8	604.7	781.0	979.5	1223.8	1409.1	1663.5	2455.6	4442.3	7950.3
-7.5°	393.4	548.5	651.9	814.4	995.9	1230.2	1422.2	1670.4	2427.2	4388.5	7600.9
-10°	410.1	565.2	663.4	813.8	990.6	1216.6	1422.3	1664.4	2345.2	4165.1	7110.3
-12.5°	398.0	560.6	665.4	807.7	980.5	1193.6	1412.3	1645.3	2205.6	3752.7	6536.1
-15°	383.1	553.1	664.0	795.9	966.0	1161.3	1391.2	1612.9	1988.1	3113.1	5827.0
-17.5°	366.1	542.8	659.0	778.4	947.7	1119.7	1348.5	1528.2	1762.9	2652.4	5009.5
-20°	347.6	529.8	650.0	755.2	925.2	1059.7	1248.0	1433.0	1647.2	2255.6	3910.0



REPORT NUMBER: P701472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	328.2	514.3	635.2	740.0	867.9	990.7	1142.2	1323.5	1519.7	1762.5	2740.4
-25°	317.0	485.3	613.9	705.0	805.9	920.2	1033.6	1200.9	1386.7	1582.3	2097.0
-27.5°	311.1	457.2	579.0	669.9	746.2	849.8	946.1	1079.7	1251.9	1419.1	1582.2
-30°	301.0	417.4	543.5	633.7	702.8	784.5	867.5	975.8	1128.7	1275.5	1410.7
-32.5°	279.3	376.9	499.8	593.3	664.4	723.9	806.0	902.8	1020.4	1147.9	1256.7
-35°	252.6	345.1	452.7	553.0	626.6	683.0	756.9	838.2	924.6	1035.1	1165.3
-37.5°	227.9	310.4	405.8	507.9	583.2	651.8	708.6	781.8	856.3	938.2	1068.4
-40°	201.3	273.1	363.3	457.3	544.4	615.5	674.5	729.3	794.4	876.2	963.3
-42.5°	173.7	241.7	319.8	407.6	495.1	571.8	638.7	689.2	744.9	815.3	892.8
-45°	150.7	208.6	275.3	358.4	441.0	521.7	589.9	653.6	707.0	758.9	825.7
-47.5°	126.8	176.0	237.4	308.2	386.7	462.4	536.3	606.6	674.5	723.0	764.0
-50°	105.0	149.0	199.1	264.0	332.5	403.4	472.6	555.0	626.8	688.0	735.7
-52.5°	91.0	121.1	167.1	220.5	282.1	345.8	414.2	489.9	567.8	640.5	696.2
-55°	76.3	102.2	134.7	180.9	233.1	291.0	354.9	424.4	495.3	568.2	639.6
-57.5°	62.1	85.1	110.0	142.1	187.3	236.8	295.5	357.1	422.3	488.6	554.6
-60°	47.7	68.0	90.3	113.8	141.5	186.0	234.5	288.8	346.8	406.2	465.8
-62.5°	34.1	50.7	70.3	91.5	113.5	137.7	176.8	222.0	268.7	318.1	369.9
-65°	26.4	35.1	49.6	68.3	88.3	109.5	132.8	158.2	197.2	235.4	271.9
-67.5°	18.6	26.5	34.4	44.0	61.1	79.3	98.9	120.0	142.7	165.0	191.1
-70°	16.5	18.8	25.0	32.0	38.7	47.6	63.6	80.6	98.2	115.1	133.7
-72.5°	15.5	17.2	19.4	22.1	27.7	33.3	38.7	44.0	54.4	68.3	82.0
-75°	14.4	15.5	17.0	19.1	21.3	23.6	26.4	31.0	35.3	39.5	43.7
-77.5°	13.3	14.1	15.0	16.1	17.4	19.1	21.0	23.1	24.8	26.5	28.3
-80°	12.3	12.6	13.1	13.8	14.6	15.5	16.5	17.7	18.5	19.4	20.6
-82.5°	11.3	11.5	11.8	12.0	12.1	12.4	12.7	13.3	13.9	14.5	15.0
-85°	10.3	10.5	10.7	10.8	10.6	10.4	10.2	10.1	10.4	10.6	10.9
-87.5°	9.4	9.4	9.5	9.6	9.4	9.1	8.8	8.4	8.3	8.2	8.1
-90°	7.9	7.4	6.8	6.3	6.3	6.3	6.3	6.3	5.8	5.3	4.7



REPORT NUMBER: P701472 (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°	6.3	6.3	6.3	6.3	6.3	7.4	8.4	9.5	10.5	11.6	12.6
87.5°	4.2	4.2	4.2	4.2	4.2	3.7	3.2	2.6	2.1	2.1	2.1
85°	5.5	5.3	5.0	4.6	4.2	4.1	4.1	4.1	4.1	3.6	3.1
82.5°	6.3	5.8	5.3	4.8	4.2	4.2	4.2	4.2	4.2	3.7	3.2
80°	6.3	5.9	5.3	4.8	4.3	4.2	4.2	4.2	4.2	3.7	3.2
77.5°	6.4	6.0	5.7	5.5	5.4	5.2	5.0	4.7	4.3	3.7	3.2
75°	6.5	6.4	6.5	6.5	6.4	5.9	5.4	4.8	4.3	4.1	4.1
72.5°	8.2	7.9	7.8	8.0	8.0	7.7	7.3	6.8	6.0	5.9	6.1
70°	12.3	12.5	12.7	12.5	11.7	10.8	9.9	9.1	8.2	8.0	8.1
67.5°	18.6	18.9	18.3	16.9	14.8	12.8	12.0	11.2	10.3	10.0	10.2
65°	26.8	24.7	22.6	20.2	17.5	14.5	13.6	12.9	12.3	12.3	13.0
62.5°	34.6	28.2	22.7	19.2	16.6	14.5	13.5	12.6	11.7	11.3	11.7
60°	38.1	27.0	19.6	17.4	15.1	12.9	11.7	10.7	9.8	9.2	9.6
57.5°	38.2	26.5	18.1	15.5	13.2	11.2	10.2	9.6	9.0	8.5	9.1
55°	34.0	23.5	15.4	13.3	11.9	11.0	10.4	10.2	10.0	9.7	10.1
52.5°	27.3	19.7	14.4	12.4	12.5	12.5	12.4	12.5	12.7	13.0	13.6
50°	21.7	16.7	15.2	14.3	14.8	14.9	14.6	15.4	16.5	17.1	17.7
47.5°	19.9	18.3	18.4	18.0	18.7	20.2	20.5	21.1	22.7	23.7	24.4
45°	22.1	23.7	24.7	26.4	27.5	29.9	30.7	30.7	34.2	36.6	37.8
42.5°	30.9	33.6	36.9	40.2	41.9	45.0	48.2	49.9	55.1	59.3	60.9
40°	46.7	48.3	55.3	59.5	62.6	66.5	76.3	82.7	92.8	111.7	125.4
37.5°	68.7	73.8	77.9	83.9	97.1	103.6	134.7	163.0	182.3	229.3	255.9
35°	100.6	114.5	109.7	136.6	169.9	211.7	257.2	325.0	378.6	442.2	500.8
32.5°	157.8	191.5	224.2	255.4	330.3	450.2	453.5	580.3	665.3	768.2	858.8
30°	249.6	369.1	519.3	569.1	779.6	1015.0	949.7	1144.3	1337.1	1451.8	1847.8
27.5°	492.6	761.8	1060.3	1439.6	1832.0	2236.7	2504.6	2598.4	3574.0	4291.4	5225.1
25°	842.9	1315.1	2149.1	2763.4	3452.4	4351.0	4870.2	5568.9	7196.3	9224.1	10799.2
22.5°	1343.3	2168.4	3270.2	4199.8	5232.6	6443.7	7539.0	9214.4	11744.9	14512.8	16867.6
20°	1904.1	2967.8	4363.9	5756.7	7110.6	8688.9	10594.6	14015.8	17925.7	22264.6	26187.1
17.5°	2938.8	3984.8	5772.6	7676.8	9600.3	11501.4	15692.2	20758.8	26879.5	33308.7	39019.0
15°	4417.3	6110.2	7883.5	10401.4	13603.0	17256.3	22563.7	31450.2	40956.3	50990.1	62951.9
12.5°	6346.8	8801.0	11461.3	14376.5	18717.4	25386.3	34190.7	45037.6	58644.3	73697.6	90718.7
10°	8315.8	11855.4	15518.9	19682.3	25403.6	33993.6	45363.9	58945.3	80343.7	101434.7	119199.3
7.5°	9916.7	14041.8	18663.9	24194.5	31651.5	42118.2	56169.3	75797.6	101316.5	126411.0	146284.5
5°	11418.8	15950.2	20762.0	26412.8	35402.8	48024.6	64946.3	89435.4	119964.4	146652.9	167948.4
2.5°	12508.3	17268.3	22246.3	27996.0	38245.4	51615.1	70193.1	100570.2	135709.1	163053.1	187470.5
0°	12990.6	17395.0	22156.9	28056.2	38338.9	53446.5	72012.6	105272.1	142997.1	172393.5	196920.9
-2.5°	12392.6	16668.6	21582.6	27345.8	37653.4	52166.4	71344.6	104742.7	142597.3	172409.9	196591.8
-5°	11759.9	15813.7	20375.4	25702.6	35101.7	48596.2	68163.2	100073.8	136399.6	166371.6	189960.7
-7.5°	11085.5	14795.7	18876.9	23656.4	31994.9	44980.6	63149.8	90082.5	124037.3	154553.9	176739.5
-10°	10314.5	13692.0	17983.8	23049.5	30308.6	41596.6	56622.4	78198.8	110001.9	138355.0	162713.5
-12.5°	9861.7	13464.4	17753.0	22406.0	28261.5	38209.2	51880.7	70285.7	92055.8	118392.9	140067.0
-15°	9279.9	12926.5	17179.7	21545.1	26965.2	34732.1	45526.3	59044.8	75609.9	93357.9	112595.8
-17.5°	8323.2	11967.8	15392.8	19489.9	24638.0	30774.4	38531.4	49022.6	60013.6	72589.0	84098.8
-20°	6747.8	9691.7	12930.8	16791.2	21216.7	25866.8	31046.9	38195.3	45167.3	53971.2	61039.0



REPORT NUMBER: P701472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4854.7	7343.1	10149.5	13339.8	16844.4	20825.5	24727.8	28500.1	33278.3	38851.1	44529.9
-25°	3161.8	5002.8	7432.8	10047.5	12495.2	15676.8	18480.3	20733.3	23955.3	26477.0	29918.3
-27.5°	2189.4	3386.0	5196.2	7279.5	9210.2	11246.6	13529.0	15067.1	17577.0	18941.2	21050.8
-30°	1602.0	2273.6	3575.5	5133.7	6815.7	8549.2	10178.5	11869.6	13615.6	15159.5	16330.3
-32.5°	1420.7	1684.4	2326.5	3448.0	4764.1	6217.6	7597.4	9071.7	10462.6	11659.4	12625.2
-35°	1297.5	1445.5	1647.2	2240.2	3025.6	4160.4	5245.8	6439.3	7556.4	8481.6	9257.0
-37.5°	1200.0	1318.5	1445.4	1575.6	2016.5	2513.1	3284.6	4114.0	4830.9	5650.0	6282.7
-40°	1089.3	1215.8	1317.5	1421.3	1538.2	1662.8	2080.5	2451.8	2856.9	3409.8	3861.6
-42.5°	975.0	1085.2	1199.7	1296.3	1384.5	1477.7	1571.5	1654.7	1860.4	2104.2	2289.2
-45°	896.0	973.9	1057.8	1160.3	1255.2	1335.9	1411.9	1484.6	1559.3	1628.2	1685.5
-47.5°	826.3	889.3	958.4	1028.8	1100.2	1183.2	1261.1	1335.0	1399.7	1458.6	1505.9
-50°	775.5	819.0	876.5	932.1	993.1	1051.0	1102.7	1163.3	1229.6	1289.9	1338.0
-52.5°	749.7	787.8	820.8	860.7	915.8	964.3	1006.8	1054.8	1100.9	1143.1	1174.1
-55°	699.2	749.0	797.2	842.0	880.0	914.7	951.6	998.7	1039.1	1073.9	1093.1
-57.5°	619.9	683.9	744.6	801.4	854.9	905.2	946.9	984.4	1021.8	1057.4	1073.8
-60°	526.3	587.4	650.7	719.1	788.2	856.8	907.5	955.7	1001.2	1039.3	1059.6
-62.5°	425.6	481.3	537.9	599.6	665.2	729.5	784.7	842.3	901.2	952.0	984.5
-65°	311.1	358.6	409.4	459.9	509.8	561.2	610.4	658.9	705.9	744.1	770.6
-67.5°	223.0	253.7	285.1	317.5	356.2	395.8	432.2	467.4	501.1	528.0	547.9
-70°	153.3	173.1	191.6	212.2	236.9	261.1	283.6	304.9	324.8	341.7	355.9
-72.5°	95.4	108.3	121.2	135.6	149.7	163.2	175.9	187.8	198.9	208.9	217.9
-75°	47.9	54.0	64.2	73.8	83.0	92.4	101.2	108.8	115.5	121.1	125.9
-77.5°	31.0	34.9	38.7	42.2	45.4	49.8	54.7	59.6	64.6	68.5	72.2
-80°	21.7	23.8	26.1	28.4	30.8	33.5	36.4	39.1	41.9	43.7	45.3
-82.5°	15.5	16.7	18.0	19.3	20.7	22.6	24.6	26.6	28.5	29.8	31.1
-85°	11.1	11.6	12.2	12.9	13.5	15.3	17.0	18.8	20.5	21.7	22.9
-87.5°	8.0	8.1	8.1	8.2	8.2	9.8	11.3	12.9	14.5	15.1	15.7
-90°	4.2	4.2	4.2	4.2	4.2	3.7	3.2	2.6	2.1	2.1	2.1



REPORT NUMBER: P701472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	13.7	14.7	14.7	14.7	14.7	14.7	13.7	12.6	11.6	10.5	9.5
87.5°	2.1	2.1	1.1	0.0	1.1	2.1	2.1	2.1	2.1	2.1	2.6
85°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.1	3.6	4.1	4.1
82.5°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.2	3.7	4.2	4.2
80°	2.6	2.1	2.1	2.1	2.1	2.1	2.6	3.2	3.7	4.2	4.2
77.5°	2.7	2.1	2.1	2.1	2.1	2.1	2.7	3.2	3.7	4.3	4.7
75°	4.1	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.3	4.8
72.5°	6.2	6.2	6.3	6.3	6.3	6.2	6.2	6.1	5.9	6.0	6.8
70°	8.3	8.3	7.4	6.3	7.4	8.3	8.3	8.1	8.0	8.2	9.1
67.5°	10.3	10.4	11.4	12.6	11.4	10.4	10.3	10.2	10.0	10.3	11.2
65°	13.7	14.4	13.7	12.6	13.7	14.4	13.7	13.0	12.3	12.3	12.9
62.5°	12.1	12.6	11.7	10.5	11.7	12.6	12.1	11.7	11.3	11.7	12.6
60°	10.0	10.4	10.5	10.5	10.5	10.4	10.0	9.6	9.2	9.8	10.7
57.5°	9.7	10.3	10.5	10.5	10.5	10.3	9.7	9.1	8.5	9.0	9.6
55°	10.4	10.5	10.5	10.5	10.5	10.5	10.4	10.1	9.7	10.0	10.2
52.5°	14.1	14.4	14.6	14.7	14.6	14.4	14.1	13.6	13.0	12.7	12.5
50°	18.2	18.6	18.8	18.9	18.8	18.6	18.2	17.7	17.1	16.5	15.4
47.5°	25.0	25.0	25.1	25.2	25.1	25.0	25.0	24.4	23.7	22.7	21.1
45°	38.4	37.9	37.5	37.8	37.5	37.9	38.4	37.8	36.6	34.2	30.7
42.5°	62.5	62.6	62.5	63.1	62.5	62.6	62.5	60.9	59.3	55.1	49.9
40°	129.2	124.5	117.9	117.7	117.9	124.5	129.2	125.4	111.7	92.8	82.7
37.5°	268.9	273.6	273.0	277.5	273.0	273.6	268.9	255.9	229.3	182.3	163.0
35°	545.4	569.9	575.4	573.9	575.4	569.9	545.4	500.8	442.2	378.6	325.0
32.5°	898.3	930.8	939.9	952.4	939.9	930.8	898.3	858.8	768.2	665.3	580.3
30°	1579.3	1623.0	1581.3	1496.9	1581.3	1623.0	1579.3	1847.8	1451.8	1337.1	1144.3
27.5°	5722.4	5932.2	5459.9	5287.5	5459.9	5932.2	5722.4	5225.1	4291.4	3574.0	2598.4
25°	11662.0	12590.2	13541.6	13457.3	13541.6	12590.2	11662.0	10799.2	9224.1	7196.3	5568.9
22.5°	18821.0	19761.6	20545.5	20815.6	20545.5	19761.6	18821.0	16867.6	14512.8	11744.9	9214.4
20°	29810.9	31642.8	32954.5	31556.6	32954.5	31642.8	29810.9	26187.1	22264.6	17925.7	14015.8
17.5°	47651.0	53167.3	56033.0	57842.6	56033.0	53167.3	47651.0	39019.0	33308.7	26879.5	20758.8
15°	73970.0	82289.1	86898.1	89950.0	86898.1	82289.1	73970.0	62951.9	50990.1	40956.3	31450.2
12.5°	104322.3	113392.7	117466.2	120790.8	117466.2	113392.7	104322.3	90718.7	73697.6	58644.3	45037.6
10°	133176.3	142975.5	149760.0	153286.1	149760.0	142975.5	133176.3	119199.3	101434.7	80343.7	58945.3
7.5°	159613.5	171600.7	178485.4	180676.9	178485.4	171600.7	159613.5	146284.5	126411.0	101316.5	75797.6
5°	185472.5	196167.8	204447.4	206324.8	204447.4	196167.8	185472.5	167948.4	146652.9	119964.4	89435.4
2.5°	205382.9	218200.9	225634.4	227881.5	225634.4	218200.9	205382.9	187470.5	163053.1	135709.1	100570.2
0°	214507.2	226440.3	235241.9	238398.6	235241.9	226440.3	214507.2	196920.9	172393.5	142997.1	105272.1
-2.5°	212598.7	223595.8	229896.0	230981.5	229896.0	223595.8	212598.7	196591.8	172409.9	142597.3	104742.7
-5°	205886.6	215990.6	222213.1	222391.1	222213.1	215990.6	205886.6	189960.7	166371.6	136399.6	100073.8
-7.5°	191143.0	200591.3	204929.4	206018.9	204929.4	200591.3	191143.0	176739.5	154553.9	124037.3	90082.5
-10°	176136.7	184902.4	189001.8	189455.4	189001.8	184902.4	176136.7	162713.5	138355.0	110001.9	78198.8
-12.5°	156698.8	166078.1	170171.2	172096.0	170171.2	166078.1	156698.8	140067.0	118392.9	92055.8	70285.7
-15°	127773.0	136842.7	141753.2	145379.1	141753.2	136842.7	127773.0	112595.8	93357.9	75609.9	59044.8
-17.5°	96779.2	104553.2	109392.3	113797.3	109392.3	104553.2	96779.2	84098.8	72589.0	60013.6	49022.6
-20°	68902.7	73853.5	75374.1	77747.9	75374.1	73853.5	68902.7	61039.0	53971.2	45167.3	38195.3



REPORT NUMBER: P701472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	48393.9	51208.8	52991.8	53999.5	52991.8	51208.8	48393.9	44529.9	38851.1	33278.3	28500.1
-25°	32807.6	34759.8	35519.0	36394.2	35519.0	34759.8	32807.6	29918.3	26477.0	23955.3	20733.3
-27.5°	21975.9	22777.6	23325.1	23622.3	23325.1	22777.6	21975.9	21050.8	18941.2	17577.0	15067.1
-30°	17272.8	18005.8	18445.4	18585.0	18445.4	18005.8	17272.8	16330.3	15159.5	13615.6	11869.6
-32.5°	13373.0	13927.1	14223.3	14262.5	14223.3	13927.1	13373.0	12625.2	11659.4	10462.6	9071.7
-35°	9907.1	10411.8	10691.2	10671.6	10691.2	10411.8	9907.1	9257.0	8481.6	7556.4	6439.3
-37.5°	6826.8	7254.7	7517.2	7585.4	7517.2	7254.7	6826.8	6282.7	5650.0	4830.9	4114.0
-40°	4270.8	4585.1	4772.7	4797.6	4772.7	4585.1	4270.8	3861.6	3409.8	2856.9	2451.8
-42.5°	2451.5	2578.8	2650.3	2646.9	2650.3	2578.8	2451.5	2289.2	2104.2	1860.4	1654.7
-45°	1723.0	1751.5	1767.6	1770.2	1767.6	1751.5	1723.0	1685.5	1628.2	1559.3	1484.6
-47.5°	1540.0	1567.0	1581.4	1583.1	1581.4	1567.0	1540.0	1505.9	1458.6	1399.7	1335.0
-50°	1376.6	1408.5	1425.9	1429.6	1425.9	1408.5	1376.6	1338.0	1289.9	1229.6	1163.3
-52.5°	1199.1	1220.3	1227.3	1223.6	1227.3	1220.3	1199.1	1174.1	1143.1	1100.9	1054.8
-55°	1111.0	1128.2	1135.7	1137.4	1135.7	1128.2	1111.0	1093.1	1073.9	1039.1	998.7
-57.5°	1089.7	1105.2	1110.0	1110.1	1110.0	1105.2	1089.7	1073.8	1057.4	1021.8	984.4
-60°	1079.5	1098.7	1102.4	1099.5	1102.4	1098.7	1079.5	1059.6	1039.3	1001.2	955.7
-62.5°	1013.4	1038.1	1045.9	1044.9	1045.9	1038.1	1013.4	984.5	952.0	901.2	842.3
-65°	793.1	811.2	820.5	824.1	820.5	811.2	793.1	770.6	744.1	705.9	658.9
-67.5°	564.1	576.7	580.7	580.3	580.7	576.7	564.1	547.9	528.0	501.1	467.4
-70°	367.8	377.5	378.5	376.3	378.5	377.5	367.8	355.9	341.7	324.8	304.9
-72.5°	225.8	232.4	231.8	229.2	231.8	232.4	225.8	217.9	208.9	198.9	187.8
-75°	129.9	133.2	132.2	130.3	132.2	133.2	129.9	125.9	121.1	115.5	108.8
-77.5°	75.8	79.2	79.7	79.9	79.7	79.2	75.8	72.2	68.5	64.6	59.6
-80°	46.8	48.1	48.3	48.4	48.3	48.1	46.8	45.3	43.7	41.9	39.1
-82.5°	32.3	33.5	33.6	33.6	33.6	33.5	32.3	31.1	29.8	28.5	26.6
-85°	24.0	25.1	25.2	25.2	25.2	25.1	24.0	22.9	21.7	20.5	18.8
-87.5°	16.3	16.8	16.8	16.8	16.8	16.8	16.3	15.7	15.1	14.5	12.9
-90°	2.1	2.1	1.0	0.0	1.0	2.1	2.1	2.1	2.1	2.1	2.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	8.4	7.4	6.3	6.3	6.3	6.3	6.3	6.8	7.4	7.9	8.4
87.5°	3.2	3.7	4.2	4.2	4.2	4.2	4.2	4.7	5.3	5.8	6.3
85°	4.1	4.1	4.2	4.6	5.0	5.3	5.5	5.7	5.8	6.0	6.3
82.5°	4.2	4.2	4.2	4.8	5.3	5.8	6.3	6.3	6.3	6.3	6.4
80°	4.2	4.2	4.3	4.8	5.3	5.9	6.3	6.4	6.4	6.3	6.4
77.5°	5.0	5.2	5.4	5.5	5.7	6.0	6.4	6.9	7.3	7.5	7.5
75°	5.4	5.9	6.4	6.5	6.5	6.4	6.5	7.0	7.6	8.1	8.4
72.5°	7.3	7.7	8.0	8.0	7.8	7.9	8.2	8.6	8.8	8.6	8.4
70°	9.9	10.8	11.7	12.5	12.7	12.5	12.3	12.1	11.7	11.7	10.9
67.5°	12.0	12.8	14.8	16.9	18.3	18.9	18.6	17.5	16.6	16.0	14.2
65°	13.6	14.5	17.5	20.2	22.6	24.7	26.8	26.7	25.4	22.6	18.1
62.5°	13.5	14.5	16.6	19.2	22.7	28.2	34.6	36.9	36.7	31.9	25.1
60°	11.7	12.9	15.1	17.4	19.6	27.0	38.1	46.0	50.4	42.6	32.3
57.5°	10.2	11.2	13.2	15.5	18.1	26.5	38.2	52.2	61.1	50.0	39.4
55°	10.4	11.0	11.9	13.3	15.4	23.5	34.0	46.7	56.8	53.7	42.0
52.5°	12.4	12.5	12.5	12.4	14.4	19.7	27.3	38.8	45.0	44.1	40.4
50°	14.6	14.9	14.8	14.3	15.2	16.7	21.7	30.2	33.6	35.4	34.0
47.5°	20.5	20.2	18.7	18.0	18.4	18.3	19.9	22.3	27.1	27.6	28.1
45°	30.7	29.9	27.5	26.4	24.7	23.7	22.1	24.6	25.7	26.6	23.4
42.5°	48.2	45.0	41.9	40.2	36.9	33.6	30.9	31.5	31.1	29.8	28.9
40°	76.3	66.5	62.6	59.5	55.3	48.3	46.7	42.9	40.8	37.2	38.4
37.5°	134.7	103.6	97.1	83.9	77.9	73.8	68.7	61.7	53.7	57.0	56.6
35°	257.2	211.7	169.9	136.6	109.7	114.5	100.6	86.8	81.6	86.2	82.0
32.5°	453.5	450.2	330.3	255.4	224.2	191.5	157.8	122.7	135.5	132.4	116.8
30°	949.7	1015.0	779.6	569.1	519.3	369.1	249.6	229.3	219.0	194.0	161.9
27.5°	2504.6	2236.7	1832.0	1439.6	1060.3	761.8	492.6	364.2	327.2	282.3	230.0
25°	4870.2	4351.0	3452.4	2763.4	2149.1	1315.1	842.9	595.7	466.2	391.7	322.4
22.5°	7539.0	6443.7	5232.6	4199.8	3270.2	2168.4	1343.3	862.9	622.6	520.3	431.6
20°	10594.6	8688.9	7110.6	5756.7	4363.9	2967.8	1904.1	1290.2	882.2	664.1	543.1
17.5°	15692.2	11501.4	9600.3	7676.8	5772.6	3984.8	2938.8	1966.6	1163.0	814.0	653.8
15°	22563.7	17256.3	13603.0	10401.4	7883.5	6110.2	4417.3	2827.9	1560.4	1020.4	791.2
12.5°	34190.7	25386.3	18717.4	14376.5	11461.3	8801.0	6346.8	4103.9	2243.4	1290.2	958.7
10°	45363.9	33993.6	25403.6	19682.3	15518.9	11855.4	8315.8	5245.0	2862.2	1570.6	1119.5
7.5°	56169.3	42118.2	31651.5	24194.5	18663.9	14041.8	9916.7	6295.9	3401.5	1844.6	1272.7
5°	64946.3	48024.6	35402.8	26412.8	20762.0	15950.2	11418.8	7281.7	3855.2	2104.0	1417.1
2.5°	70193.1	51615.1	38245.4	27996.0	22246.3	17268.3	12508.3	7890.6	4067.2	2242.7	1498.0
0°	72012.6	53446.5	38338.9	28056.2	22156.9	17395.0	12990.6	8085.7	4108.0	2327.3	1568.4
-2.5°	71344.6	52166.4	37653.4	27345.8	21582.6	16668.6	12392.6	8121.0	4337.8	2414.8	1621.8
-5°	68163.2	48596.2	35101.7	25702.6	20375.4	15813.7	11759.9	7950.3	4442.3	2455.6	1663.5
-7.5°	63149.8	44980.6	31994.9	23656.4	18876.9	14795.7	11085.5	7600.9	4388.5	2427.2	1670.4
-10°	56622.4	41596.6	30308.6	23049.5	17983.8	13692.0	10314.5	7110.3	4165.1	2345.2	1664.4
-12.5°	51880.7	38209.2	28261.5	22406.0	17753.0	13464.4	9861.7	6536.1	3752.7	2205.6	1645.3
-15°	45526.3	34732.1	26965.2	21545.1	17179.7	12926.5	9279.9	5827.0	3113.1	1988.1	1612.9
-17.5°	38531.4	30774.4	24638.0	19489.9	15392.8	11967.8	8323.2	5009.5	2652.4	1762.9	1528.2
-20°	31046.9	25866.8	21216.7	16791.2	12930.8	9691.7	6747.8	3910.0	2255.6	1647.2	1433.0



REPORT NUMBER: P701472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	24727.8	20825.5	16844.4	13339.8	10149.5	7343.1	4854.7	2740.4	1762.5	1519.7	1323.5
-25°	18480.3	15676.8	12495.2	10047.5	7432.8	5002.8	3161.8	2097.0	1582.3	1386.7	1200.9
-27.5°	13529.0	11246.6	9210.2	7279.5	5196.2	3386.0	2189.4	1582.2	1419.1	1251.9	1079.7
-30°	10178.5	8549.2	6815.7	5133.7	3575.5	2273.6	1602.0	1410.7	1275.5	1128.7	975.8
-32.5°	7597.4	6217.6	4764.1	3448.0	2326.5	1684.4	1420.7	1256.7	1147.9	1020.4	902.8
-35°	5245.8	4160.4	3025.6	2240.2	1647.2	1445.5	1297.5	1165.3	1035.1	924.6	838.2
-37.5°	3284.6	2513.1	2016.5	1575.6	1445.4	1318.5	1200.0	1068.4	938.2	856.3	781.8
-40°	2080.5	1662.8	1538.2	1421.3	1317.5	1215.8	1089.3	963.3	876.2	794.4	729.3
-42.5°	1571.5	1477.7	1384.5	1296.3	1199.7	1085.2	975.0	892.8	815.3	744.9	689.2
-45°	1411.9	1335.9	1255.2	1160.3	1057.8	973.9	896.0	825.7	758.9	707.0	653.6
-47.5°	1261.1	1183.2	1100.2	1028.8	958.4	889.3	826.3	764.0	723.0	674.5	606.6
-50°	1102.7	1051.0	993.1	932.1	876.5	819.0	775.5	735.7	688.0	626.8	555.0
-52.5°	1006.8	964.3	915.8	860.7	820.8	787.8	749.7	696.2	640.5	567.8	489.9
-55°	951.6	914.7	880.0	842.0	797.2	749.0	699.2	639.6	568.2	495.3	424.4
-57.5°	946.9	905.2	854.9	801.4	744.6	683.9	619.9	554.6	488.6	422.3	357.1
-60°	907.5	856.8	788.2	719.1	650.7	587.4	526.3	465.8	406.2	346.8	288.8
-62.5°	784.7	729.5	665.2	599.6	537.9	481.3	425.6	369.9	318.1	268.7	222.0
-65°	610.4	561.2	509.8	459.9	409.4	358.6	311.1	271.9	235.4	197.2	158.2
-67.5°	432.2	395.8	356.2	317.5	285.1	253.7	223.0	191.1	165.0	142.7	120.0
-70°	283.6	261.1	236.9	212.2	191.6	173.1	153.3	133.7	115.1	98.2	80.6
-72.5°	175.9	163.2	149.7	135.6	121.2	108.3	95.4	82.0	68.3	54.4	44.0
-75°	101.2	92.4	83.0	73.8	64.2	54.0	47.9	43.7	39.5	35.3	31.0
-77.5°	54.7	49.8	45.4	42.2	38.7	34.9	31.0	28.3	26.5	24.8	23.1
-80°	36.4	33.5	30.8	28.4	26.1	23.8	21.7	20.6	19.4	18.5	17.7
-82.5°	24.6	22.6	20.7	19.3	18.0	16.7	15.5	15.0	14.5	13.9	13.3
-85°	17.0	15.3	13.5	12.9	12.2	11.6	11.1	10.9	10.6	10.4	10.1
-87.5°	11.3	9.8	8.2	8.2	8.1	8.1	8.0	8.1	8.2	8.3	8.4
-90°	3.2	3.7	4.2	4.2	4.2	4.2	4.2	4.7	5.3	5.8	6.3



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 CATALOG NUMBER: EPH-LS-08-0640L-40-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
87.5°	6.3	6.3	6.3	6.3	6.8	7.4	7.9	8.4	8.4	8.4	8.4
85°	6.5	6.6	6.6	6.6	7.0	7.4	7.9	8.4	8.4	8.4	8.4
82.5°	6.9	7.3	7.6	7.8	7.8	7.9	8.1	8.4	8.5	8.4	8.4
80°	6.9	7.4	8.0	8.4	8.4	8.4	8.3	8.4	8.7	8.8	8.7
77.5°	7.5	7.7	8.0	8.4	8.4	8.4	8.4	8.5	9.0	9.2	9.2
75°	8.4	8.3	8.3	8.5	8.5	8.4	8.4	8.6	9.1	9.6	9.7
72.5°	8.4	8.4	8.4	8.7	9.0	9.0	8.7	8.6	9.1	9.6	10.1
70°	9.8	8.7	8.4	8.7	9.3	9.7	9.6	9.3	9.2	9.7	10.2
67.5°	12.6	11.3	10.0	9.1	9.3	9.9	10.4	10.0	9.7	9.8	10.2
65°	15.9	14.0	12.4	10.8	10.0	9.9	10.4	10.5	10.2	10.0	10.3
62.5°	20.0	16.7	14.7	12.5	11.0	10.4	10.5	10.5	10.5	10.3	10.4
60°	24.5	19.6	16.9	14.6	12.3	10.7	10.5	10.5	10.5	10.5	10.5
57.5°	29.4	21.9	18.8	16.5	14.2	11.7	10.5	10.5	10.5	10.5	10.5
55°	32.6	24.8	20.7	17.8	15.7	13.4	11.0	10.5	10.5	10.5	10.5
52.5°	32.1	26.7	22.8	19.2	16.7	14.8	12.4	10.5	10.5	10.5	10.5
50°	29.0	27.4	24.1	20.4	17.4	15.5	13.7	11.4	10.5	10.5	10.5
47.5°	27.9	27.7	25.0	21.3	18.0	16.2	14.4	12.4	10.5	10.5	10.5
45°	27.3	28.7	26.2	22.3	18.6	16.8	15.0	13.2	11.2	10.6	10.5
42.5°	27.9	30.1	28.5	23.4	20.4	17.4	15.5	13.7	11.7	10.7	10.6
40°	35.8	32.3	31.6	28.6	23.0	18.0	16.0	14.1	12.2	11.0	10.7
37.5°	46.1	39.5	34.9	38.3	27.8	20.8	16.5	14.5	12.9	11.7	11.0
35°	68.3	51.0	48.2	50.9	39.6	24.1	16.9	14.9	13.6	12.2	11.2
32.5°	96.1	76.4	72.9	66.2	54.5	27.7	19.0	15.9	14.2	12.8	11.5
30°	136.8	123.1	104.2	84.7	71.5	41.3	22.8	17.3	14.9	13.4	11.8
27.5°	198.7	175.1	142.9	113.1	89.2	57.8	27.9	18.9	15.4	13.9	12.3
25°	270.2	233.8	192.1	147.9	109.1	80.2	33.3	21.0	16.5	14.4	12.7
22.5°	357.4	296.9	244.6	186.2	138.9	105.8	45.3	25.4	18.0	14.9	13.2
20°	448.3	363.0	301.1	229.1	174.9	131.0	64.8	29.8	19.6	15.3	13.5
17.5°	542.9	447.4	369.1	279.7	211.7	158.0	85.7	34.3	21.3	15.7	13.9
15°	670.5	555.0	443.4	333.3	246.9	186.4	107.3	38.8	23.0	16.1	14.3
12.5°	805.2	667.5	522.2	388.7	280.3	215.6	129.2	43.2	24.8	17.3	14.7
10°	938.7	782.4	603.4	444.7	311.9	245.0	150.8	49.3	28.9	19.1	15.2
7.5°	1069.8	897.3	685.1	499.9	345.6	283.3	186.2	59.3	33.4	21.2	15.6
5°	1188.2	999.8	765.8	567.3	399.4	330.4	223.7	69.4	37.9	23.2	16.0
2.5°	1263.5	1079.4	841.4	632.2	451.9	375.6	259.5	79.1	42.2	25.3	16.4
0°	1330.8	1150.0	910.3	691.7	502.5	418.4	292.2	88.3	46.3	27.3	16.8
-2.5°	1373.5	1191.4	948.0	738.9	554.9	465.3	331.9	114.2	61.3	35.2	20.1
-5°	1409.1	1223.8	979.5	781.0	604.7	508.8	365.9	138.7	75.6	42.8	23.2
-7.5°	1422.2	1230.2	995.9	814.4	651.9	548.5	393.4	161.0	88.8	49.7	26.1
-10°	1422.3	1216.6	990.6	813.8	663.4	565.2	410.1	180.6	100.6	55.8	28.6
-12.5°	1412.3	1193.6	980.5	807.7	665.4	560.6	398.0	193.5	110.5	60.9	30.8
-15°	1391.2	1161.3	966.0	795.9	664.0	553.1	383.1	201.9	118.2	65.2	32.5
-17.5°	1348.5	1119.7	947.7	778.4	659.0	542.8	366.1	207.6	123.9	68.7	34.3
-20°	1248.0	1059.7	925.2	755.2	650.0	529.8	347.6	210.3	127.5	70.7	36.0



REPORT NUMBER: P701472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1142.2	990.7	867.9	740.0	635.2	514.3	328.2	209.8	128.6	71.1	37.1
-25°	1033.6	920.2	805.9	705.0	613.9	485.3	317.0	206.0	127.3	69.9	37.5
-27.5°	946.1	849.8	746.2	669.9	579.0	457.2	311.1	203.9	124.3	66.9	37.2
-30°	867.5	784.5	702.8	633.7	543.5	417.4	301.0	198.5	120.7	65.0	36.1
-32.5°	806.0	723.9	664.4	593.3	499.8	376.9	279.3	189.6	114.6	63.6	35.3
-35°	756.9	683.0	626.6	553.0	452.7	345.1	252.6	177.1	105.9	61.1	34.0
-37.5°	708.6	651.8	583.2	507.9	405.8	310.4	227.9	157.8	94.7	57.5	32.0
-40°	674.5	615.5	544.4	457.3	363.3	273.1	201.3	138.9	87.3	52.8	29.3
-42.5°	638.7	571.8	495.1	407.6	319.8	241.7	173.7	119.0	79.0	48.3	25.8
-45°	589.9	521.7	441.0	358.4	275.3	208.6	150.7	99.7	69.8	43.4	22.8
-47.5°	536.3	462.4	386.7	308.2	237.4	176.0	126.8	88.6	59.9	37.5	21.2
-50°	472.6	403.4	332.5	264.0	199.1	149.0	105.0	76.8	51.5	30.2	19.2
-52.5°	414.2	345.8	282.1	220.5	167.1	121.1	91.0	64.5	42.5	25.7	16.8
-55°	354.9	291.0	233.1	180.9	134.7	102.2	76.3	53.3	32.8	22.2	14.4
-57.5°	295.5	236.8	187.3	142.1	110.0	85.1	62.1	41.5	27.0	18.4	14.1
-60°	234.5	186.0	141.5	113.8	90.3	68.0	47.7	31.1	22.1	15.1	13.6
-62.5°	176.8	137.7	113.5	91.5	70.3	50.7	34.1	24.9	16.9	14.5	13.1
-65°	132.8	109.5	88.3	68.3	49.6	35.1	26.4	18.4	15.3	14.0	12.8
-67.5°	98.9	79.3	61.1	44.0	34.4	26.5	18.6	15.9	14.6	13.4	12.8
-70°	63.6	47.6	38.7	32.0	25.0	18.8	16.5	15.1	13.9	13.2	12.7
-72.5°	38.7	33.3	27.7	22.1	19.4	17.2	15.5	14.3	13.5	12.9	12.6
-75°	26.4	23.6	21.3	19.1	17.0	15.5	14.4	13.6	13.0	12.6	12.1
-77.5°	21.0	19.1	17.4	16.1	15.0	14.1	13.3	12.8	12.4	12.0	11.5
-80°	16.5	15.5	14.6	13.8	13.1	12.6	12.3	11.9	11.6	11.3	10.9
-82.5°	12.7	12.4	12.1	12.0	11.8	11.5	11.3	11.1	10.8	10.5	10.3
-85°	10.2	10.4	10.6	10.8	10.7	10.5	10.3	10.2	10.0	9.8	9.7
-87.5°	8.8	9.1	9.4	9.6	9.5	9.4	9.4	9.3	9.2	9.1	9.0
-90°	6.3	6.3	6.3	6.3	6.8	7.4	7.9	8.4	8.4	8.4	8.4



REPORT NUMBER: P701472 (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	8.4	8.4	8.4	8.4	8.4	8.4
87.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4
85°	8.4	8.4	8.4	8.4	8.4	8.4	8.4
82.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4
80°	8.5	8.4	8.4	8.4	8.4	8.4	8.4
77.5°	9.0	8.6	8.4	8.4	8.4	8.4	8.4
75°	9.5	9.0	8.5	8.4	8.4	8.4	8.4
72.5°	10.0	9.4	8.8	8.4	8.4	8.4	8.4
70°	10.5	9.9	9.2	8.4	8.4	8.4	8.4
67.5°	10.5	10.3	9.5	8.7	8.4	8.4	8.4
65°	10.5	10.5	9.8	9.0	8.4	8.4	8.4
62.5°	10.5	10.5	10.2	9.2	8.4	8.4	8.4
60°	10.5	10.5	10.5	9.4	8.4	8.4	8.4
57.5°	10.5	10.5	10.5	9.7	8.6	8.4	8.4
55°	10.5	10.5	10.5	9.9	8.7	8.4	8.4
52.5°	10.5	10.5	10.5	10.1	8.9	8.4	8.4
50°	10.5	10.5	10.5	10.3	9.0	8.4	8.4
47.5°	10.5	10.5	10.5	10.5	9.1	8.4	8.4
45°	10.5	10.5	10.5	10.5	9.3	8.4	8.4
42.5°	10.5	10.5	10.5	10.5	9.4	8.4	8.4
40°	10.5	10.5	10.5	10.5	9.5	8.4	8.4
37.5°	10.5	10.5	10.5	10.5	9.6	8.4	8.4
35°	10.5	10.5	10.5	10.5	9.7	8.4	8.4
32.5°	10.6	10.5	10.5	10.5	9.8	8.4	8.4
30°	10.8	10.5	10.5	10.5	9.9	8.4	8.4
27.5°	11.0	10.5	10.5	10.5	10.0	8.4	8.4
25°	11.3	10.5	10.5	10.5	10.1	8.4	8.4
22.5°	11.5	10.5	10.5	10.5	10.2	8.4	8.4
20°	11.8	10.7	10.5	10.5	10.2	8.4	8.4
17.5°	12.1	10.9	10.5	10.5	10.3	8.4	8.4
15°	12.3	11.1	10.5	10.5	10.4	8.4	8.4
12.5°	12.4	11.3	10.5	10.5	10.4	8.4	8.4
10°	12.5	11.6	10.5	10.5	10.4	8.4	8.4
7.5°	12.6	11.8	10.5	10.5	10.5	8.4	8.4
5°	12.6	12.1	10.5	10.5	10.5	8.4	8.4
2.5°	12.6	12.4	10.5	10.5	10.5	8.4	8.4
0°	12.6	12.6	10.5	10.5	10.5	8.4	8.4
-2.5°	13.7	12.6	10.5	10.5	10.5	8.4	8.4
-5°	14.8	12.6	10.5	10.5	10.5	8.4	8.4
-7.5°	15.8	12.5	10.5	10.5	10.5	8.4	8.4
-10°	16.7	12.4	10.5	10.5	10.4	8.4	8.4
-12.5°	17.4	12.3	10.5	10.5	10.4	8.4	8.4
-15°	17.9	12.2	10.5	10.5	10.4	8.4	8.4
-17.5°	18.1	12.1	10.5	10.5	10.3	8.4	8.4
-20°	18.6	12.0	10.5	10.5	10.2	8.4	8.4



REPORT NUMBER: P701472 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-40-70-4S-CV2-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	19.3	11.8	10.5	10.5	10.2	8.4	8.4
-25°	19.6	11.9	10.5	10.5	10.1	8.4	8.4
-27.5°	19.6	12.1	10.5	10.5	10.0	8.4	8.4
-30°	19.0	12.2	10.5	10.5	9.9	8.4	8.4
-32.5°	17.9	12.1	10.6	10.5	9.8	8.4	8.4
-35°	17.5	11.8	10.7	10.5	9.7	8.4	8.4
-37.5°	17.2	11.6	10.8	10.5	9.6	8.4	8.4
-40°	16.6	11.7	10.8	10.5	9.5	8.4	8.4
-42.5°	15.8	11.7	10.9	10.5	9.4	8.4	8.4
-45°	14.7	11.7	10.9	10.6	9.3	8.4	8.4
-47.5°	13.3	11.7	11.0	10.6	9.1	8.4	8.4
-50°	13.0	11.7	11.1	10.5	9.0	8.4	8.4
-52.5°	12.9	11.6	11.1	10.3	8.9	8.4	8.4
-55°	12.7	11.6	11.2	10.1	8.7	8.4	8.4
-57.5°	12.4	11.7	11.2	10.0	8.6	8.4	8.4
-60°	12.2	11.7	11.3	9.8	8.4	8.4	8.4
-62.5°	12.3	11.8	11.0	9.6	8.4	8.4	8.4
-65°	12.3	11.8	10.7	9.3	8.4	8.4	8.4
-67.5°	12.4	11.7	10.4	9.1	8.4	8.4	8.4
-70°	12.4	11.3	10.1	8.9	8.4	8.4	8.4
-72.5°	12.0	10.9	9.8	8.8	8.4	8.4	8.4
-75°	11.5	10.5	9.4	8.8	8.4	8.4	8.4
-77.5°	11.0	10.1	9.3	8.7	8.4	8.4	8.4
-80°	10.5	9.7	9.1	8.7	8.4	8.4	8.4
-82.5°	10.0	9.4	8.9	8.6	8.4	8.4	8.4
-85°	9.5	9.1	8.8	8.5	8.4	8.4	8.4
-87.5°	8.9	8.7	8.6	8.5	8.4	8.4	8.4
-90°	8.4	8.4	8.4	8.4	8.4	8.4	8.4

(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

