

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: P701355 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-80-5S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701355 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-34)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-40-80-5S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

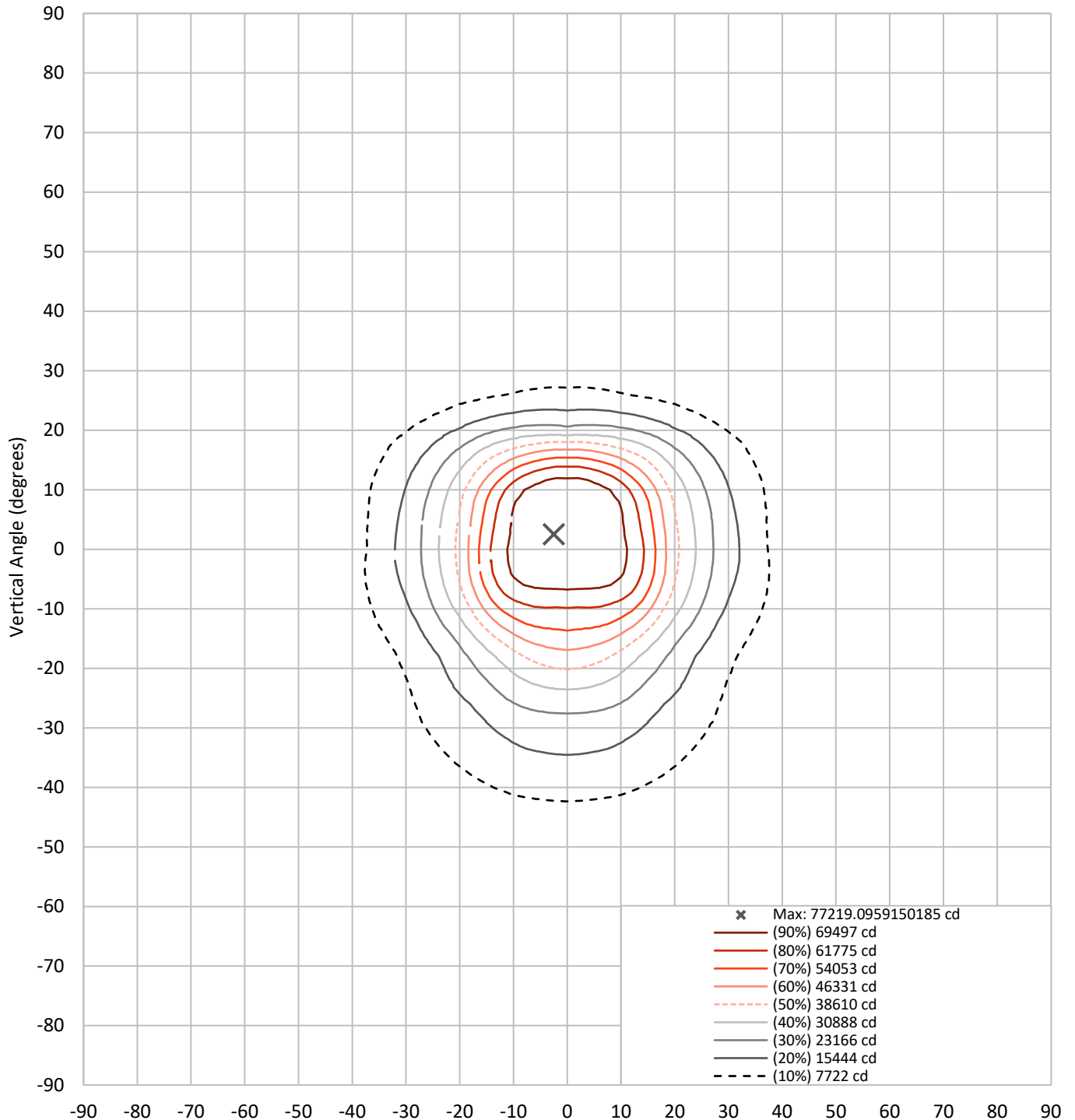
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	41226 lumens	Max Intensity:	77219.1 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 2.5°V
Efficacy:	119.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.4°H x 38°V	Field Angle (10%):	74.2°H x 69.6°V
Beam Lumens:	22715.8 lumens	Field Lumens:	38339.5 lumens
Beam Efficiency:	55.1%	Field Efficiency:	93.0%

Input Watts (W): 344.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV1-S

Iso-Candela Plot





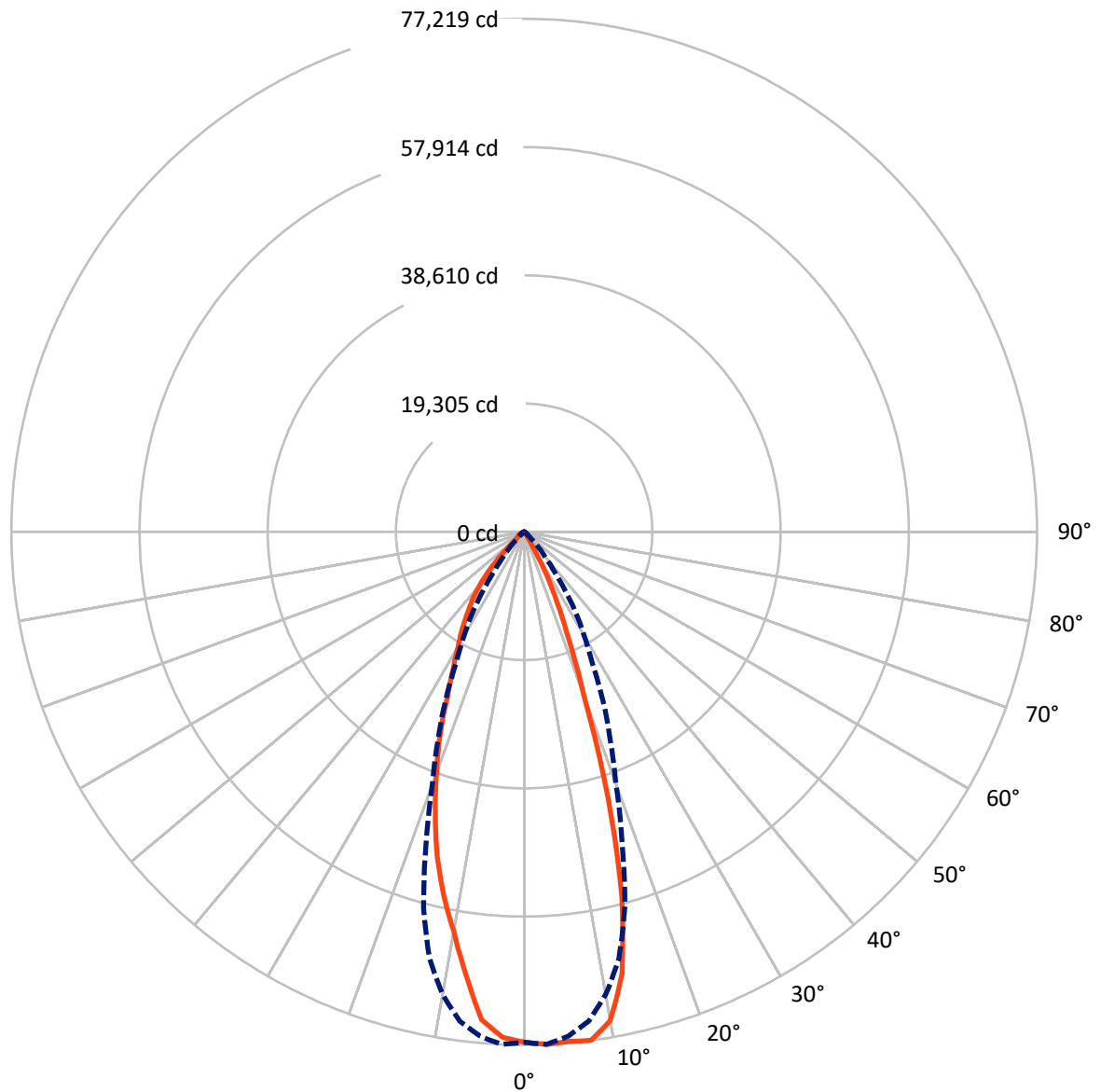
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Lumen Table

90																			
80	0.1	0.2		0.3		0.3		0.2		0.3		0.3		0.2		0.1			
70																			
60	0.1	0.0	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.0	0.1			
50		0.0	0.1	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.1	0.0				
40	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1			
30		0.1	0.4	1.2	2.7	5.8	13.7	19.6	19.6	13.7	5.8	2.7	1.2	0.4	0.1				
20	0.1	0.2	2.2	8.2	44.9	138.0	277.7	373.6	373.6	277.7	138.0	44.9	8.2	2.2	0.2	0.1			
10		0.6	5.4	29.7	185.2	527.4	1093.2	1574.4	1574.4	1093.2	527.4	185.2	29.7	5.4	0.6				
0	0.1	1.0	7.3	46.9	266.2	758.6	1639.1	2266.7	2266.7	1639.1	758.6	266.2	46.9	7.3	1.0	0.1			
-10		1.3	7.8	49.0	268.2	739.6	1615.3	2141.1	2141.1	1615.3	739.6	268.2	49.0	7.8	1.3				
-20	0.2	1.5	7.5	32.9	176.3	487.9	1037.7	1476.1	1476.1	1037.7	487.9	176.3	32.9	7.5	1.5	0.2			
-30		1.5	7.1	18.3	103.9	298.8	580.7	821.3	821.3	580.7	298.8	103.9	18.3	7.1	1.5				
-40	0.2	1.2	5.7	13.6	41.8	164.7	321.4	439.8	439.8	321.4	164.7	41.8	13.6	5.7	1.2	0.2			
-50		0.7	3.7	10.7	20.5	38.3	90.8	141.1	141.1	90.8	38.3	20.5	10.7	3.7	0.7				
-60	0.1	0.4	1.9	5.8	12.6	20.5	28.0	32.4	32.4	28.0	20.5	12.6	5.8	1.9	0.4	0.1			
-70		0.2	0.7	2.0	4.3	7.4	10.8	12.8	12.8	10.8	7.4	4.3	2.0	0.7	0.2				
-80	0.1	0.4		1.5		3.4		4.6		3.4		1.5		0.4		0.1			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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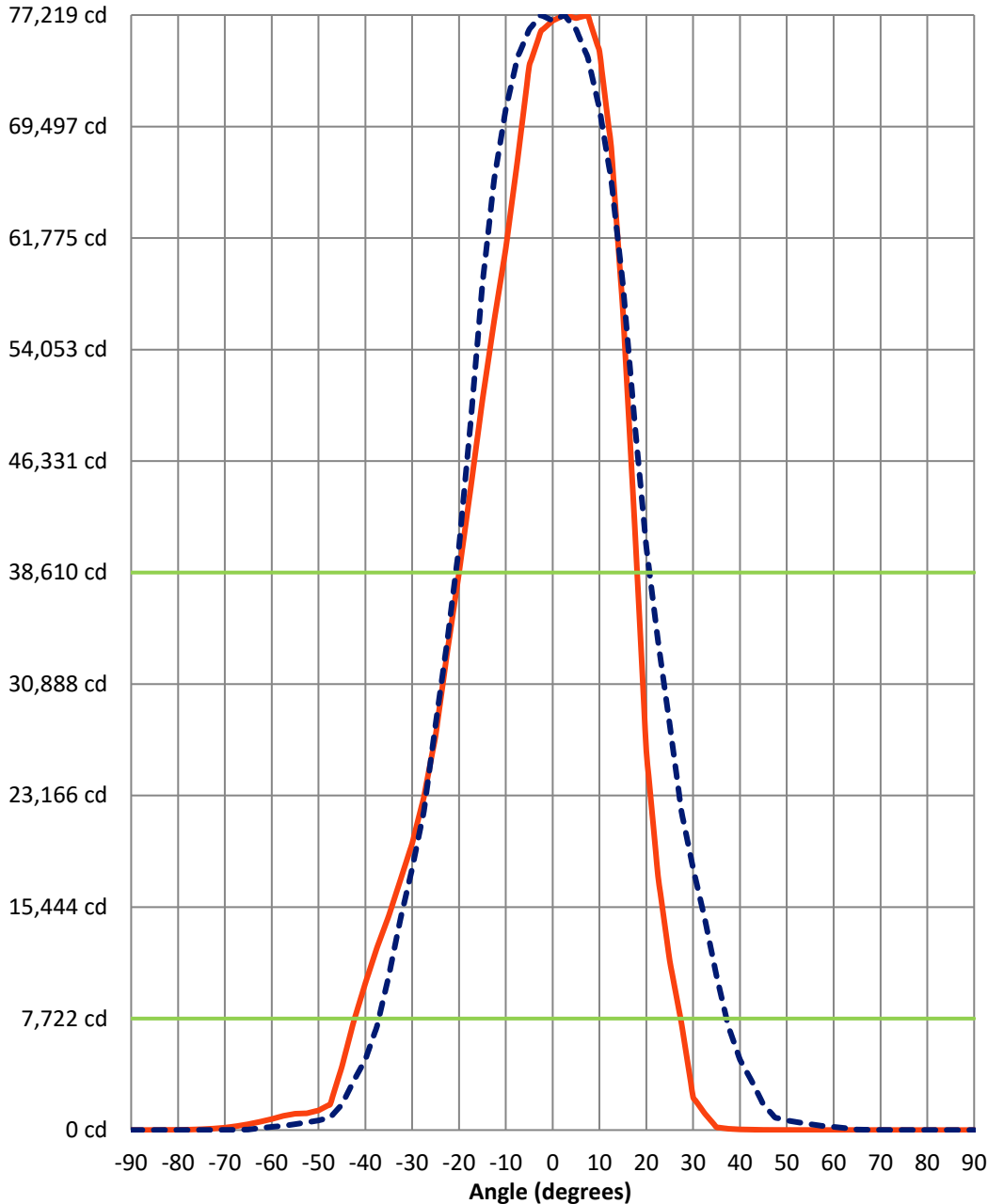
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 41.4°
 V Angle: 38°
 Lumens: 22715.8
 Efficiency: 55.1%

Field:
 H Angle: 74.2°
 V Angle: 69.6°
 Lumens: 38339.5
 Efficiency: 93.0%

Spill:
 Lumens: 2886.6
 Efficiency: 7.0%

— Vertical Distribution through -2.5-Deg
 - - Horizontal Distribution through 2.5-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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5	2.2
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5	2.2
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.6	2.5
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.1	3.0	2.9	3.0
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.2	3.3
75°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
72.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
70°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
65°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
62.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
60°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4
55°	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.3	3.3	3.6
52.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.5	3.4	3.3	3.6	3.8
50°	3.3	3.3	3.3	3.3	3.3	3.4	3.6	3.5	3.4	3.9	4.4
47.5°	3.3	3.3	3.3	3.3	3.3	3.5	3.7	3.5	3.7	4.2	4.9
45°	3.3	3.3	3.3	3.3	3.3	3.6	3.8	3.6	4.0	4.6	5.4
42.5°	3.3	3.3	3.3	3.3	3.3	3.8	3.8	3.8	4.4	5.0	5.8
40°	3.3	3.3	3.3	3.3	3.4	3.9	3.9	4.0	4.7	5.3	6.1
37.5°	3.3	3.3	3.3	3.3	3.5	4.1	3.9	4.3	5.0	5.7	6.4
35°	3.3	3.3	3.3	3.4	3.6	4.2	4.0	4.6	5.3	6.1	6.8
32.5°	3.3	3.3	3.3	3.4	3.7	4.2	4.1	4.9	5.6	6.5	7.7
30°	3.3	3.3	3.3	3.5	3.8	4.3	4.3	5.1	5.9	6.9	8.8
27.5°	3.3	3.3	3.3	3.5	3.9	4.3	4.5	5.3	6.2	7.4	10.0
25°	3.3	3.3	3.3	3.6	4.0	4.4	4.7	5.6	6.6	8.2	11.5
22.5°	3.3	3.3	3.3	3.7	4.1	4.4	4.9	5.8	7.0	9.3	14.1
20°	3.3	3.3	3.3	3.7	4.2	4.4	5.1	6.0	7.4	10.4	16.9
17.5°	3.3	3.3	3.3	3.8	4.3	4.4	5.2	6.2	7.7	11.6	19.8
15°	3.3	3.3	3.3	3.9	4.3	4.4	5.3	6.3	8.1	12.8	22.9
12.5°	3.3	3.3	3.3	4.0	4.4	4.4	5.3	6.4	8.5	13.9	25.9
10°	3.3	3.3	3.3	4.1	4.4	4.4	5.4	6.5	8.8	15.2	28.9
7.5°	3.3	3.3	3.3	4.2	4.4	4.4	5.4	6.5	9.1	16.5	31.7
5°	3.3	3.3	3.3	4.2	4.4	4.4	5.5	6.6	9.4	17.8	34.3
2.5°	3.3	3.3	3.3	4.3	4.4	4.4	5.5	6.6	9.7	18.9	36.6
0°	3.3	3.3	3.3	4.4	4.4	4.4	5.5	6.6	9.9	19.9	38.6
-2.5°	3.3	3.3	3.3	4.4	4.4	4.5	5.8	7.8	13.3	26.0	48.2
-5°	3.3	3.3	3.4	4.4	4.4	4.6	6.1	8.9	16.5	31.7	57.2
-7.5°	3.3	3.3	3.4	4.4	4.4	4.7	6.3	10.0	19.5	37.0	65.4
-10°	3.3	3.3	3.5	4.4	4.4	4.8	6.5	10.9	22.1	41.7	72.6
-12.5°	3.3	3.3	3.5	4.3	4.4	4.9	6.7	11.7	24.2	45.8	79.6
-15°	3.3	3.3	3.6	4.3	4.4	5.0	6.8	12.3	26.2	49.7	85.5
-17.5°	3.3	3.3	3.6	4.3	4.4	5.0	6.9	13.2	28.1	52.7	89.8
-20°	3.3	3.3	3.6	4.3	4.4	5.1	7.2	14.3	29.5	54.7	92.3



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.3	3.3	3.7	4.3	4.4	5.1	7.8	15.0	30.1	55.6	92.9
-25°	3.3	3.3	3.7	4.3	4.4	5.2	8.2	15.5	30.1	55.2	91.5
-27.5°	3.3	3.3	3.7	4.3	4.4	5.3	8.4	15.5	29.3	54.2	90.9
-30°	3.3	3.3	3.7	4.3	4.4	5.3	8.4	15.1	28.8	53.2	88.7
-32.5°	3.3	3.3	3.7	4.3	4.5	5.2	8.2	15.0	28.3	51.1	84.8
-35°	3.3	3.3	3.7	4.3	4.5	5.1	8.0	14.8	27.3	48.0	79.2
-37.5°	3.3	3.3	3.7	4.3	4.5	5.0	7.9	14.2	25.6	43.7	72.0
-40°	3.3	3.3	3.7	4.4	4.6	5.0	7.6	13.3	23.4	40.5	64.9
-42.5°	3.3	3.3	3.7	4.4	4.6	5.0	7.2	12.0	21.6	36.8	56.9
-45°	3.3	3.3	3.6	4.4	4.6	5.1	6.6	10.9	19.7	32.4	48.7
-47.5°	3.3	3.3	3.6	4.4	4.6	5.0	5.9	10.0	17.4	27.7	43.3
-50°	3.3	3.3	3.5	4.3	4.6	5.0	5.7	9.0	14.6	24.4	37.4
-52.5°	3.3	3.3	3.5	4.2	4.5	5.0	5.7	7.7	12.6	20.7	31.3
-55°	3.3	3.3	3.4	4.1	4.5	4.9	5.5	6.5	10.9	16.7	26.6
-57.5°	3.3	3.3	3.4	4.0	4.5	4.8	5.4	6.3	9.0	14.0	21.5
-60°	3.3	3.3	3.3	3.9	4.4	4.7	5.3	6.1	7.3	11.5	16.8
-62.5°	3.3	3.3	3.3	3.8	4.3	4.6	5.1	5.8	6.9	8.9	13.6
-65°	3.3	3.3	3.3	3.7	4.2	4.5	4.9	5.5	6.4	7.8	10.3
-67.5°	3.3	3.3	3.3	3.6	4.1	4.4	4.7	5.2	5.9	7.0	8.5
-70°	3.3	3.3	3.3	3.5	4.0	4.3	4.4	5.0	5.6	6.2	7.4
-72.5°	3.3	3.3	3.3	3.5	3.9	4.2	4.4	4.7	5.3	5.8	6.4
-75°	3.3	3.3	3.3	3.5	3.8	4.2	4.4	4.6	4.9	5.4	6.0
-77.5°	3.3	3.3	3.3	3.5	3.8	4.1	4.4	4.5	4.8	5.1	5.6
-80°	3.3	3.3	3.3	3.4	3.7	4.0	4.4	4.4	4.6	4.8	5.1
-82.5°	3.3	3.3	3.3	3.4	3.6	3.8	4.1	4.3	4.4	4.5	4.7
-85°	3.3	3.3	3.3	3.4	3.5	3.7	3.9	4.0	4.1	4.1	4.2
-87.5°	3.3	3.3	3.3	3.3	3.4	3.5	3.6	3.6	3.7	3.7	3.8
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5	2.2



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.5	2.5	2.4	2.2	2.2	2.2	2.2	2.3	2.4	2.4	2.3
80°	2.9	2.8	2.5	2.2	2.3	2.5	2.7	3.1	3.0	2.8	2.7
77.5°	3.1	2.8	2.5	2.3	2.4	2.8	3.1	3.3	3.2	3.2	3.3
75°	3.1	2.8	2.7	2.7	3.0	3.2	3.3	3.5	3.7	3.7	3.6
72.5°	3.2	3.1	3.1	3.3	3.3	3.5	3.8	4.2	4.4	4.4	4.3
70°	3.3	3.3	3.3	3.3	3.4	3.7	4.3	4.9	5.2	5.4	6.0
67.5°	3.3	3.3	3.3	3.4	3.8	4.4	5.0	6.3	7.9	8.6	9.2
65°	3.3	3.3	3.4	3.8	4.3	5.2	6.6	8.5	11.8	13.3	14.0
62.5°	3.3	3.4	3.7	4.3	4.9	6.1	8.9	12.5	16.7	18.9	18.5
60°	3.3	3.4	4.1	5.0	5.8	8.3	12.0	16.2	21.5	25.2	22.6
57.5°	3.4	3.9	5.0	6.0	7.9	10.3	14.0	19.1	24.5	30.2	26.1
55°	3.8	4.8	5.8	7.3	9.3	11.2	14.9	19.7	25.6	29.3	25.7
52.5°	4.6	5.6	6.6	8.3	10.2	11.7	14.0	18.4	21.9	24.9	22.9
50°	5.3	6.0	7.1	9.1	10.8	11.7	11.6	15.0	17.9	19.2	19.5
47.5°	5.8	6.5	7.8	9.8	11.1	11.4	10.4	12.1	14.3	15.7	15.3
45°	6.2	7.2	8.6	10.3	11.4	11.0	10.8	10.2	12.9	14.2	14.4
42.5°	6.6	8.0	9.7	11.0	11.5	12.1	12.3	12.4	13.8	16.6	18.0
40°	7.2	8.8	11.0	12.2	12.4	14.3	16.3	17.8	18.8	22.5	25.2
37.5°	7.9	10.2	12.9	14.8	15.2	18.5	21.5	31.3	33.3	30.4	40.0
35°	8.6	11.8	16.3	21.0	23.7	24.5	38.0	51.2	56.9	55.7	63.8
32.5°	9.7	13.5	20.7	31.3	41.8	44.5	58.8	81.2	101.2	109.3	104.4
30°	11.6	17.6	27.8	44.5	68.2	94.3	98.4	123.2	163.7	196.7	246.0
27.5°	14.5	23.0	40.4	68.7	106.7	160.0	173.1	194.7	254.9	337.7	496.5
25°	17.8	36.6	54.9	101.0	171.2	233.8	258.5	299.2	369.0	636.5	1002.3
22.5°	25.1	54.7	84.5	138.1	246.5	311.2	355.7	424.1	589.9	1017.1	1729.2
20°	38.2	80.0	121.9	185.1	326.2	392.8	452.7	556.7	926.8	1721.1	2878.6
17.5°	53.6	107.2	160.7	241.6	369.1	460.2	552.9	692.6	1280.4	2542.2	4080.0
15°	70.8	136.0	197.1	290.6	406.8	504.7	634.1	955.9	1841.7	3479.7	5183.6
12.5°	89.2	165.8	231.2	332.4	441.7	546.5	700.6	1181.0	2426.8	4331.3	6317.4
10°	108.2	195.8	263.0	367.6	473.7	585.2	760.9	1386.6	2839.3	4650.8	6860.6
7.5°	119.9	214.6	288.7	396.9	502.6	620.5	814.3	1568.3	3131.2	4812.0	7084.3
5°	128.8	219.4	291.3	405.5	521.1	648.7	856.0	1720.6	3312.6	4834.8	7153.4
2.5°	135.6	221.3	291.8	408.2	532.2	667.7	870.2	1771.0	3395.8	4879.1	7201.2
0°	140.2	220.8	290.3	407.3	539.8	682.2	875.3	1780.5	3397.6	4907.6	7219.1
-2.5°	147.7	228.7	305.1	424.4	548.3	685.2	882.5	1830.6	3562.4	5216.6	7763.8
-5°	153.0	234.6	317.4	437.8	553.4	683.7	881.3	1833.3	3583.1	5288.3	7785.9
-7.5°	156.3	238.5	326.7	445.7	549.0	666.5	851.2	1685.2	3267.9	4964.0	7256.9
-10°	158.3	243.5	333.2	441.0	532.6	638.3	808.4	1501.9	2890.8	4546.8	6617.6
-12.5°	161.9	249.4	337.5	435.7	517.3	607.2	758.1	1288.8	2462.7	4036.8	5876.8
-15°	163.0	253.2	339.7	430.4	504.6	573.8	700.5	1050.1	2033.6	3589.2	5143.4
-17.5°	161.6	255.0	339.8	426.1	495.5	538.5	641.6	843.7	1713.6	3154.5	4588.7
-20°	157.5	254.8	337.9	423.5	489.9	526.9	622.2	798.7	1438.7	2645.4	4064.6



REPORT NUMBER: P701355 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	150.7	252.7	334.7	419.0	489.3	537.6	605.7	742.0	1093.7	2057.5	3521.4
-25°	146.3	243.2	329.6	407.5	486.0	549.1	588.0	681.4	877.7	1608.4	2789.3
-27.5°	144.2	230.4	314.3	390.9	477.5	555.6	591.3	659.4	798.3	1115.1	2018.1
-30°	139.3	209.0	295.9	370.0	457.5	542.4	604.4	636.6	726.4	911.0	1442.2
-32.5°	129.5	187.0	271.5	347.4	429.8	522.9	606.7	638.6	696.5	802.9	1001.9
-35°	118.2	172.9	244.9	321.2	396.7	491.0	579.7	647.5	673.0	749.9	888.9
-37.5°	108.4	156.5	217.9	291.8	364.9	451.7	549.3	628.2	680.6	714.3	817.0
-40°	96.9	137.7	195.4	261.9	332.8	412.0	502.4	594.5	668.8	732.6	775.7
-42.5°	84.4	123.2	172.3	231.9	300.4	373.8	452.0	543.2	638.2	729.2	795.7
-45°	74.5	107.1	148.0	203.9	265.9	333.7	406.9	484.0	583.3	685.8	778.7
-47.5°	63.7	90.8	128.2	173.5	230.9	293.0	359.5	432.3	514.2	612.9	719.5
-50°	53.3	77.6	106.4	146.9	194.9	251.3	312.1	375.7	448.1	530.2	624.0
-52.5°	46.1	63.4	89.1	120.0	161.2	209.2	262.9	319.0	380.8	448.3	525.3
-55°	38.4	53.4	72.0	97.5	128.5	169.5	213.3	263.1	314.4	373.1	432.4
-57.5°	31.6	43.9	58.4	77.1	102.0	130.2	168.2	207.6	253.2	300.6	347.9
-60°	25.2	35.0	47.0	61.2	78.1	101.3	125.5	158.4	194.8	230.5	270.1
-62.5°	19.0	27.0	36.4	47.6	61.3	74.8	94.0	116.5	140.4	169.8	198.8
-65°	15.0	19.5	26.6	35.6	45.4	57.0	68.9	81.1	100.2	119.3	137.4
-67.5°	10.8	14.8	19.0	24.1	32.3	40.5	49.1	59.7	70.4	80.3	92.1
-70°	8.9	10.4	13.7	17.5	21.1	25.5	32.7	40.1	47.7	55.2	63.6
-72.5°	7.4	8.7	10.2	11.7	14.7	17.6	20.4	23.2	28.0	34.1	40.0
-75°	6.5	7.0	8.1	9.4	10.6	11.8	13.1	15.5	17.9	20.3	22.7
-77.5°	5.9	6.3	6.7	7.3	8.0	9.1	10.0	11.0	12.0	12.9	13.8
-80°	5.3	5.5	5.8	6.1	6.5	7.0	7.6	8.2	8.8	9.6	10.3
-82.5°	4.8	4.9	5.1	5.2	5.3	5.4	5.6	5.9	6.2	6.6	7.0
-85°	4.3	4.4	4.5	4.6	4.6	4.7	4.8	4.9	4.9	5.0	5.0
-87.5°	3.8	3.8	3.9	3.9	4.0	4.0	4.0	4.1	4.1	4.1	4.2
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



REPORT NUMBER: P701355 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	3.3	3.3	3.3	3.3	3.3	3.0	2.8	2.5	2.2	2.2	2.2
87.5°	2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.4	1.1	1.1	1.1
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	1.9	1.6
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.9	1.7
80°	2.5	2.5	2.5	2.4	2.2	2.2	2.2	2.2	2.2	1.9	1.7
77.5°	3.3	3.1	2.8	2.5	2.3	2.2	2.2	2.2	2.2	2.0	1.7
75°	3.4	3.2	3.0	2.9	2.8	2.7	2.6	2.4	2.2	2.2	2.2
72.5°	4.2	4.1	4.1	4.2	4.2	4.1	3.8	3.5	3.2	3.1	3.2
70°	6.4	6.6	6.6	6.5	6.2	5.6	5.2	4.8	4.3	4.2	4.3
67.5°	9.8	9.9	9.6	8.9	7.7	6.7	6.1	5.5	4.7	4.5	4.8
65°	13.8	12.2	10.9	9.7	8.7	7.8	7.1	6.3	5.6	5.5	6.1
62.5°	16.5	13.0	11.0	10.0	9.3	8.7	7.7	6.8	6.0	5.6	5.6
60°	18.8	13.8	10.4	9.5	8.7	7.8	6.8	6.0	5.2	4.7	4.6
57.5°	19.9	14.1	9.6	8.3	7.1	6.0	5.4	5.2	4.8	4.4	4.7
55°	19.2	13.1	8.1	7.2	6.8	6.6	6.4	5.8	5.4	5.1	5.3
52.5°	16.5	12.0	8.7	7.5	7.2	6.9	6.6	6.5	6.4	6.2	6.3
50°	14.7	11.2	8.9	7.6	7.6	7.6	7.6	7.7	7.8	7.9	8.0
47.5°	13.1	10.5	10.0	8.7	8.9	9.6	9.7	9.9	10.5	10.4	10.1
45°	13.0	14.0	13.7	12.9	12.4	17.3	17.7	14.9	17.6	17.3	15.1
42.5°	19.2	20.5	20.8	25.6	34.5	34.1	33.2	37.6	34.6	30.3	27.2
40°	29.7	29.6	35.2	43.2	42.9	41.2	46.7	47.4	47.1	49.6	48.8
37.5°	47.2	47.7	50.3	55.1	63.5	59.5	71.5	79.2	80.4	91.1	99.3
35°	78.5	92.0	79.9	108.6	127.4	123.4	140.8	171.9	142.6	218.3	231.9
32.5°	147.2	177.5	200.8	233.5	275.8	338.3	343.0	564.3	608.6	739.2	917.8
30°	253.4	341.2	510.1	554.1	622.2	881.2	1187.4	1570.6	1926.8	2181.2	2515.9
27.5°	610.0	755.2	1118.9	1513.9	1490.9	1974.8	3070.1	3407.1	4332.0	4639.7	5420.4
25°	1364.5	1712.1	2592.3	3376.8	3776.5	5051.6	6496.7	7148.4	8366.8	9014.5	9970.3
22.5°	2668.3	3621.9	4789.4	5994.1	7495.2	9447.6	11234.0	12537.9	14178.4	15495.4	16274.9
20°	4318.9	5638.4	7436.3	9307.6	11629.5	14194.4	16059.0	18700.8	21168.1	23511.0	24567.8
17.5°	5890.6	8095.1	10270.3	12529.0	15574.9	18929.9	21968.8	25832.6	29923.6	33069.7	35634.4
15°	7222.4	9675.4	12813.8	15513.2	18999.5	23183.2	27701.1	32640.7	38524.2	42995.9	47811.5
12.5°	8451.7	10911.4	14316.6	17540.5	22234.9	26960.1	32232.2	38369.9	45171.1	51785.9	57991.0
10°	9243.2	12078.0	15727.0	19643.8	24452.4	29939.3	35936.6	42812.4	51528.1	59090.5	66081.3
7.5°	9722.0	13142.0	16920.5	21096.9	26244.6	31890.9	38206.9	46312.5	55470.1	63369.3	69649.6
5°	10193.0	14013.6	17690.8	21797.4	27411.1	33156.7	39317.4	47448.1	56893.3	64800.1	70439.7
2.5°	10665.2	14613.7	18114.0	22076.1	28073.5	33872.1	40394.7	49057.0	58550.9	65812.5	70711.6
0°	11096.8	14827.8	18266.2	22146.2	28361.9	34184.6	40825.2	49378.8	59970.1	66954.0	71697.2
-2.5°	11253.4	14816.2	18101.6	21948.6	28121.0	33756.9	40366.0	49584.2	59468.0	66574.4	71390.7
-5°	10777.3	14010.5	17207.7	21104.3	26842.2	32659.6	39313.1	48453.6	57835.9	65192.9	69785.6
-7.5°	9882.1	12803.4	15948.2	19809.5	25022.9	30644.5	36701.4	44685.4	53922.0	60775.9	64393.1
-10°	8945.2	11450.9	14421.7	17995.5	22589.7	27928.3	32948.9	39742.4	48279.4	54355.7	58057.6
-12.5°	7874.1	9907.5	12649.5	15773.1	19874.1	24528.3	29120.3	34866.4	41386.2	47635.8	51489.8
-15°	6749.7	8386.1	10768.6	13766.0	17004.6	20485.8	24732.3	29386.8	34585.6	39651.2	44041.7
-17.5°	5849.7	7112.5	9298.8	11992.5	14462.0	17286.2	21425.0	25208.9	29013.7	33099.1	36756.7
-20°	5270.9	6456.2	8222.2	10471.3	12921.2	15768.0	18966.3	22275.8	25812.6	28949.3	32173.0



REPORT NUMBER: P701355 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4808.9	6027.1	7389.8	9264.2	11871.8	14487.2	16947.6	19480.3	22414.5	25618.5	28319.0
-25°	4208.7	5486.3	6780.9	8563.7	10759.1	13070.8	14882.2	16685.6	19333.0	22057.9	24290.4
-27.5°	3374.1	4818.6	6330.1	7781.2	9652.6	11296.8	12888.5	14522.8	16831.3	19131.4	20799.5
-30°	2407.7	4076.1	5645.9	7128.7	8413.5	9708.2	11039.5	12712.5	14642.2	16492.9	17910.8
-32.5°	1761.8	3011.9	4709.5	6222.9	7480.3	8564.1	9586.5	11075.1	12584.9	14068.9	15424.1
-35°	1124.2	2038.0	3360.7	4901.8	6378.0	7528.6	8640.3	9718.9	10853.6	12118.4	13291.1
-37.5°	968.0	1213.7	2026.3	3176.0	4590.8	6094.3	7187.3	8261.1	9419.3	10369.6	11355.5
-40°	877.3	1005.6	1211.5	1619.2	2687.5	3748.3	4976.2	6124.6	7231.8	8207.2	9108.2
-42.5°	837.7	914.5	997.6	1152.3	1324.7	1833.3	2728.5	3564.7	4550.1	5529.1	6384.2
-45°	857.7	884.1	926.4	1002.5	1073.0	1216.3	1367.2	1524.8	2198.2	2904.2	3509.2
-47.5°	802.8	879.8	920.7	953.8	990.0	1052.4	1116.9	1204.7	1356.5	1510.4	1632.3
-50°	711.7	793.6	865.6	936.6	970.9	995.8	1022.4	1073.8	1144.3	1216.7	1270.1
-52.5°	598.3	677.6	756.8	828.7	887.3	943.9	999.9	1042.0	1078.8	1115.2	1132.7
-55°	496.9	563.1	626.9	691.6	755.5	816.1	878.1	941.2	999.8	1054.0	1080.8
-57.5°	401.7	457.1	512.0	561.4	612.3	664.1	721.5	782.8	843.5	900.1	929.4
-60°	311.2	353.8	398.7	439.0	476.8	512.2	561.9	612.2	660.3	701.3	723.1
-62.5°	227.6	260.6	294.7	326.7	357.0	387.1	424.4	460.8	495.8	524.0	540.5
-65°	157.7	182.3	205.2	227.3	248.8	274.5	302.8	330.0	355.8	375.1	386.0
-67.5°	107.6	122.2	135.0	147.0	162.4	180.5	200.3	218.9	236.3	249.0	257.3
-70°	71.9	79.9	86.9	95.0	104.7	114.6	125.3	135.9	146.2	153.4	157.8
-72.5°	45.6	50.7	55.5	61.1	66.3	71.5	76.7	81.5	86.0	90.1	93.9
-75°	25.0	27.7	31.5	35.0	38.3	41.8	45.2	48.2	50.9	52.6	54.0
-77.5°	15.3	17.0	18.6	20.0	21.2	22.8	24.5	26.3	28.1	29.3	30.2
-80°	11.0	11.6	12.2	12.8	13.4	13.9	14.3	14.6	14.9	15.3	15.8
-82.5°	7.5	7.8	8.1	8.4	8.7	9.1	9.6	10.1	10.5	10.9	11.3
-85°	5.1	5.1	5.1	5.1	5.1	5.4	5.7	6.0	6.4	6.4	6.5
-87.5°	4.2	4.0	3.8	3.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-90°	2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.4	1.1	1.1	1.1



REPORT NUMBER: P701355 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.4
85°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.6	1.9	2.1	2.1
82.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2
80°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.2
77.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	2.0	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.4
72.5°	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.2	3.5
70°	4.3	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.2	4.3	4.8
67.5°	5.1	5.4	5.5	5.5	5.5	5.4	5.1	4.8	4.5	4.7	5.5
65°	6.8	7.5	7.2	6.6	7.2	7.5	6.8	6.1	5.5	5.6	6.3
62.5°	5.6	5.6	5.5	5.5	5.5	5.6	5.6	5.6	5.6	6.0	6.8
60°	4.5	4.5	4.4	4.4	4.4	4.5	4.5	4.6	4.7	5.2	6.0
57.5°	5.0	5.3	5.5	5.5	5.5	5.3	5.0	4.7	4.4	4.8	5.2
55°	5.4	5.5	5.5	5.5	5.5	5.5	5.4	5.3	5.1	5.4	5.8
52.5°	6.4	6.5	6.6	6.6	6.6	6.5	6.4	6.3	6.2	6.4	6.5
50°	8.0	7.8	7.7	7.7	7.7	7.8	8.0	8.0	7.9	7.8	7.7
47.5°	10.1	9.9	9.9	9.9	9.9	9.9	10.1	10.1	10.4	10.5	9.9
45°	15.1	14.6	14.2	14.3	14.2	14.6	15.1	15.1	17.3	17.6	14.9
42.5°	28.8	29.9	31.1	33.1	31.1	29.9	28.8	27.2	30.3	34.6	37.6
40°	49.2	47.8	46.0	46.4	46.0	47.8	49.2	48.8	49.6	47.1	47.4
37.5°	102.4	98.5	91.1	86.1	91.1	98.5	102.4	99.3	91.1	80.4	79.2
35°	210.4	205.5	193.4	189.9	193.4	205.5	210.4	231.9	218.3	142.6	171.9
32.5°	990.5	1104.1	1139.8	1141.4	1139.8	1104.1	990.5	917.8	739.2	608.6	564.3
30°	2541.9	2514.3	2269.1	2016.7	2269.1	2514.3	2541.9	2515.9	2181.2	1926.8	1570.6
27.5°	6117.7	6865.1	7404.9	7230.1	7404.9	6865.1	6117.7	5420.4	4639.7	4332.0	3407.1
25°	11018.6	11547.5	11721.0	11463.3	11721.0	11547.5	11018.6	9970.3	9014.5	8366.8	7148.4
22.5°	17299.0	17616.6	17588.9	17008.9	17588.9	17616.6	17299.0	16274.9	15495.4	14178.4	12537.9
20°	26050.8	26000.2	26260.4	25080.2	26260.4	26000.2	26050.8	24567.8	23511.0	21168.1	18700.8
17.5°	38429.0	40462.1	42010.0	41861.7	42010.0	40462.1	38429.0	35634.4	33069.7	29923.6	25832.6
15°	51578.1	54650.0	56749.7	56886.0	56749.7	54650.0	51578.1	47811.5	42995.9	38524.2	32640.7
12.5°	63008.2	66293.3	68076.6	67805.6	68076.6	66293.3	63008.2	57991.0	51785.9	45171.1	38369.9
10°	70289.4	72818.1	74694.8	75161.0	74694.8	72818.1	70289.4	66081.3	59090.5	51528.1	42812.4
7.5°	73209.2	75575.8	77211.7	77187.1	77211.7	75575.8	73209.2	69649.6	63369.3	55470.1	46312.5
5°	73749.5	76079.5	77005.5	77181.0	77005.5	76079.5	73749.5	70439.7	64800.1	56893.3	47448.1
2.5°	74280.8	76212.7	77219.1	76836.7	77219.1	76212.7	74280.8	70711.6	65812.5	58550.9	49057.0
0°	74488.8	76037.5	76824.0	76580.6	76824.0	76037.5	74488.8	71697.2	66954.0	59970.1	49378.8
-2.5°	74417.5	75436.3	76102.0	75871.9	76102.0	75436.3	74417.5	71390.7	66574.4	59468.0	49584.2
-5°	72513.1	73390.5	73700.7	73870.6	73700.7	73390.5	72513.1	69785.6	65192.9	57835.9	48453.6
-7.5°	66393.4	67546.5	67175.7	67735.0	67175.7	67546.5	66393.4	64393.1	60775.9	53922.0	44685.4
-10°	60339.2	61461.3	61076.3	61437.1	61076.3	61461.3	60339.2	58057.6	54355.7	48279.4	39742.4
-12.5°	54630.2	56041.7	56020.8	56532.7	56020.8	56041.7	54630.2	51489.8	47635.8	41386.2	34866.4
-15°	47766.7	49564.4	50543.5	51171.4	50543.5	49564.4	47766.7	44041.7	39651.2	34585.6	29386.8
-17.5°	40516.5	42828.2	44475.2	44728.4	44475.2	42828.2	40516.5	36756.7	33099.1	29013.7	25208.9
-20°	34942.5	37026.6	38576.7	39076.8	38576.7	37026.6	34942.5	32173.0	28949.3	25812.6	22275.8



REPORT NUMBER: P701355 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	30273.2	31993.0	33113.8	33389.8	33113.8	31993.0	30273.2	28319.0	25618.5	22414.5	19480.3
-25°	25753.1	26714.7	27303.0	27525.2	27303.0	26714.7	25753.1	24290.4	22057.9	19333.0	16685.6
-27.5°	22074.3	22760.2	23053.9	23169.4	23053.9	22760.2	22074.3	20799.5	19131.4	16831.3	14522.8
-30°	18994.7	19521.4	19844.1	19963.9	19844.1	19521.4	18994.7	17910.8	16492.9	14642.2	12712.5
-32.5°	16459.7	16984.0	17324.0	17446.1	17324.0	16984.0	16459.7	15424.1	14068.9	12584.9	11075.1
-35°	14086.2	14519.5	14829.4	14973.5	14829.4	14519.5	14086.2	13291.1	12118.4	10853.6	9718.9
-37.5°	11988.1	12379.1	12637.2	12717.2	12637.2	12379.1	11988.1	11355.5	10369.6	9419.3	8261.1
-40°	9615.8	9968.6	10164.9	10155.3	10164.9	9968.6	9615.8	9108.2	8207.2	7231.8	6124.6
-42.5°	6889.5	7245.8	7497.7	7687.1	7497.7	7245.8	6889.5	6384.2	5529.1	4550.1	3564.7
-45°	3914.1	4206.8	4395.3	4483.8	4395.3	4206.8	3914.1	3509.2	2904.2	2198.2	1524.8
-47.5°	1704.7	1757.8	1784.5	1784.9	1784.5	1757.8	1704.7	1632.3	1510.4	1356.5	1204.7
-50°	1308.7	1342.1	1361.4	1366.5	1361.4	1342.1	1308.7	1270.1	1216.7	1144.3	1073.8
-52.5°	1145.1	1156.6	1161.8	1162.3	1161.8	1156.6	1145.1	1132.7	1115.2	1078.8	1042.0
-55°	1103.4	1122.6	1130.3	1129.2	1130.3	1122.6	1103.4	1080.8	1054.0	999.8	941.2
-57.5°	953.9	973.1	984.2	987.9	984.2	973.1	953.9	929.4	900.1	843.5	782.8
-60°	740.0	752.0	762.5	769.4	762.5	752.0	740.0	723.1	701.3	660.3	612.2
-62.5°	553.9	564.0	573.7	580.6	573.7	564.0	553.9	540.5	524.0	495.8	460.8
-65°	394.0	399.0	407.1	413.9	407.1	399.0	394.0	386.0	375.1	355.8	330.0
-67.5°	263.9	268.7	271.6	272.6	271.6	268.7	263.9	257.3	249.0	236.3	218.9
-70°	160.8	162.6	166.0	168.9	166.0	162.6	160.8	157.8	153.4	146.2	135.9
-72.5°	97.3	100.2	100.2	99.3	100.2	100.2	97.3	93.9	90.1	86.0	81.5
-75°	55.0	55.7	56.2	56.3	56.2	55.7	55.0	54.0	52.6	50.9	48.2
-77.5°	31.0	31.7	31.4	30.9	31.4	31.7	31.0	30.2	29.3	28.1	26.3
-80°	16.2	16.5	16.6	16.6	16.6	16.5	16.2	15.8	15.3	14.9	14.6
-82.5°	11.7	12.0	11.5	11.0	11.5	12.0	11.7	11.3	10.9	10.5	10.1
-85°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.4	6.0
-87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-90°	1.1	1.1	0.6	0.0	0.6	1.1	1.1	1.1	1.1	1.1	1.4



REPORT NUMBER: P701355 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	2.8	3.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	1.7	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.4	2.3
80°	2.2	2.2	2.2	2.4	2.5	2.5	2.5	2.7	2.8	3.0	3.1
77.5°	2.2	2.2	2.3	2.5	2.8	3.1	3.3	3.3	3.2	3.2	3.3
75°	2.6	2.7	2.8	2.9	3.0	3.2	3.4	3.6	3.7	3.7	3.5
72.5°	3.8	4.1	4.2	4.2	4.1	4.1	4.2	4.3	4.4	4.4	4.2
70°	5.2	5.6	6.2	6.5	6.6	6.6	6.4	6.0	5.4	5.2	4.9
67.5°	6.1	6.7	7.7	8.9	9.6	9.9	9.8	9.2	8.6	7.9	6.3
65°	7.1	7.8	8.7	9.7	10.9	12.2	13.8	14.0	13.3	11.8	8.5
62.5°	7.7	8.7	9.3	10.0	11.0	13.0	16.5	18.5	18.9	16.7	12.5
60°	6.8	7.8	8.7	9.5	10.4	13.8	18.8	22.6	25.2	21.5	16.2
57.5°	5.4	6.0	7.1	8.3	9.6	14.1	19.9	26.1	30.2	24.5	19.1
55°	6.4	6.6	6.8	7.2	8.1	13.1	19.2	25.7	29.3	25.6	19.7
52.5°	6.6	6.9	7.2	7.5	8.7	12.0	16.5	22.9	24.9	21.9	18.4
50°	7.6	7.6	7.6	7.6	8.9	11.2	14.7	19.5	19.2	17.9	15.0
47.5°	9.7	9.6	8.9	8.7	10.0	10.5	13.1	15.3	15.7	14.3	12.1
45°	17.7	17.3	12.4	12.9	13.7	14.0	13.0	14.4	14.2	12.9	10.2
42.5°	33.2	34.1	34.5	25.6	20.8	20.5	19.2	18.0	16.6	13.8	12.4
40°	46.7	41.2	42.9	43.2	35.2	29.6	29.7	25.2	22.5	18.8	17.8
37.5°	71.5	59.5	63.5	55.1	50.3	47.7	47.2	40.0	30.4	33.3	31.3
35°	140.8	123.4	127.4	108.6	79.9	92.0	78.5	63.8	55.7	56.9	51.2
32.5°	343.0	338.3	275.8	233.5	200.8	177.5	147.2	104.4	109.3	101.2	81.2
30°	1187.4	881.2	622.2	554.1	510.1	341.2	253.4	246.0	196.7	163.7	123.2
27.5°	3070.1	1974.8	1490.9	1513.9	1118.9	755.2	610.0	496.5	337.7	254.9	194.7
25°	6496.7	5051.6	3776.5	3376.8	2592.3	1712.1	1364.5	1002.3	636.5	369.0	299.2
22.5°	11234.0	9447.6	7495.2	5994.1	4789.4	3621.9	2668.3	1729.2	1017.1	589.9	424.1
20°	16059.0	14194.4	11629.5	9307.6	7436.3	5638.4	4318.9	2878.6	1721.1	926.8	556.7
17.5°	21968.8	18929.9	15574.9	12529.0	10270.3	8095.1	5890.6	4080.0	2542.2	1280.4	692.6
15°	27701.1	23183.2	18999.5	15513.2	12813.8	9675.4	7222.4	5183.6	3479.7	1841.7	955.9
12.5°	32232.2	26960.1	22234.9	17540.5	14316.6	10911.4	8451.7	6317.4	4331.3	2426.8	1181.0
10°	35936.6	29939.3	24452.4	19643.8	15727.0	12078.0	9243.2	6860.6	4650.8	2839.3	1386.6
7.5°	38206.9	31890.9	26244.6	21096.9	16920.5	13142.0	9722.0	7084.3	4812.0	3131.2	1568.3
5°	39317.4	33156.7	27411.1	21797.4	17690.8	14013.6	10193.0	7153.4	4834.8	3312.6	1720.6
2.5°	40394.7	33872.1	28073.5	22076.1	18114.0	14613.7	10665.2	7201.2	4879.1	3395.8	1771.0
0°	40825.2	34184.6	28361.9	22146.2	18266.2	14827.8	11096.8	7219.1	4907.6	3397.6	1780.5
-2.5°	40366.0	33756.9	28121.0	21948.6	18101.6	14816.2	11253.4	7763.8	5216.6	3562.4	1830.6
-5°	39313.1	32659.6	26842.2	21104.3	17207.7	14010.5	10777.3	7785.9	5288.3	3583.1	1833.3
-7.5°	36701.4	30644.5	25022.9	19809.5	15948.2	12803.4	9882.1	7256.9	4964.0	3267.9	1685.2
-10°	32948.9	27928.3	22589.7	17995.5	14421.7	11450.9	8945.2	6617.6	4546.8	2890.8	1501.9
-12.5°	29120.3	24528.3	19874.1	15773.1	12649.5	9907.5	7874.1	5876.8	4036.8	2462.7	1288.8
-15°	24732.3	20485.8	17004.6	13766.0	10768.6	8386.1	6749.7	5143.4	3589.2	2033.6	1050.1
-17.5°	21425.0	17286.2	14462.0	11992.5	9298.8	7112.5	5849.7	4588.7	3154.5	1713.6	843.7
-20°	18966.3	15768.0	12921.2	10471.3	8222.2	6456.2	5270.9	4064.6	2645.4	1438.7	798.7



REPORT NUMBER: P701355 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16947.6	14487.2	11871.8	9264.2	7389.8	6027.1	4808.9	3521.4	2057.5	1093.7	742.0
-25°	14882.2	13070.8	10759.1	8563.7	6780.9	5486.3	4208.7	2789.3	1608.4	877.7	681.4
-27.5°	12888.5	11296.8	9652.6	7781.2	6330.1	4818.6	3374.1	2018.1	1115.1	798.3	659.4
-30°	11039.5	9708.2	8413.5	7128.7	5645.9	4076.1	2407.7	1442.2	911.0	726.4	636.6
-32.5°	9586.5	8564.1	7480.3	6222.9	4709.5	3011.9	1761.8	1001.9	802.9	696.5	638.6
-35°	8640.3	7528.6	6378.0	4901.8	3360.7	2038.0	1124.2	888.9	749.9	673.0	647.5
-37.5°	7187.3	6094.3	4590.8	3176.0	2026.3	1213.7	968.0	817.0	714.3	680.6	628.2
-40°	4976.2	3748.3	2687.5	1619.2	1211.5	1005.6	877.3	775.7	732.6	668.8	594.5
-42.5°	2728.5	1833.3	1324.7	1152.3	997.6	914.5	837.7	795.7	729.2	638.2	543.2
-45°	1367.2	1216.3	1073.0	1002.5	926.4	884.1	857.7	778.7	685.8	583.3	484.0
-47.5°	1116.9	1052.4	990.0	953.8	920.7	879.8	802.8	719.5	612.9	514.2	432.3
-50°	1022.4	995.8	970.9	936.6	865.6	793.6	711.7	624.0	530.2	448.1	375.7
-52.5°	999.9	943.9	887.3	828.7	756.8	677.6	598.3	525.3	448.3	380.8	319.0
-55°	878.1	816.1	755.5	691.6	626.9	563.1	496.9	432.4	373.1	314.4	263.1
-57.5°	721.5	664.1	612.3	561.4	512.0	457.1	401.7	347.9	300.6	253.2	207.6
-60°	561.9	512.2	476.8	439.0	398.7	353.8	311.2	270.1	230.5	194.8	158.4
-62.5°	424.4	387.1	357.0	326.7	294.7	260.6	227.6	198.8	169.8	140.4	116.5
-65°	302.8	274.5	248.8	227.3	205.2	182.3	157.7	137.4	119.3	100.2	81.1
-67.5°	200.3	180.5	162.4	147.0	135.0	122.2	107.6	92.1	80.3	70.4	59.7
-70°	125.3	114.6	104.7	95.0	86.9	79.9	71.9	63.6	55.2	47.7	40.1
-72.5°	76.7	71.5	66.3	61.1	55.5	50.7	45.6	40.0	34.1	28.0	23.2
-75°	45.2	41.8	38.3	35.0	31.5	27.7	25.0	22.7	20.3	17.9	15.5
-77.5°	24.5	22.8	21.2	20.0	18.6	17.0	15.3	13.8	12.9	12.0	11.0
-80°	14.3	13.9	13.4	12.8	12.2	11.6	11.0	10.3	9.6	8.8	8.2
-82.5°	9.6	9.1	8.7	8.4	8.1	7.8	7.5	7.0	6.6	6.2	5.9
-85°	5.7	5.4	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.9
-87.5°	3.3	3.3	3.3	3.5	3.8	4.0	4.2	4.2	4.1	4.1	4.1
-90°	1.7	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



REPORT NUMBER: P701355 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.8	3.0
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.8	3.0
82.5°	2.2	2.2	2.2	2.2	2.4	2.5	2.5	2.5	2.6	2.8	3.0
80°	2.7	2.5	2.3	2.2	2.5	2.8	2.9	3.0	2.9	3.0	3.1
77.5°	3.1	2.8	2.4	2.3	2.5	2.8	3.1	3.3	3.2	3.1	3.2
75°	3.3	3.2	3.0	2.7	2.7	2.8	3.1	3.3	3.3	3.3	3.3
72.5°	3.8	3.5	3.3	3.3	3.1	3.1	3.2	3.3	3.3	3.3	3.3
70°	4.3	3.7	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
67.5°	5.0	4.4	3.8	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3
65°	6.6	5.2	4.3	3.8	3.4	3.3	3.3	3.3	3.3	3.3	3.3
62.5°	8.9	6.1	4.9	4.3	3.7	3.4	3.3	3.3	3.3	3.3	3.3
60°	12.0	8.3	5.8	5.0	4.1	3.4	3.3	3.3	3.3	3.3	3.3
57.5°	14.0	10.3	7.9	6.0	5.0	3.9	3.4	3.4	3.3	3.3	3.3
55°	14.9	11.2	9.3	7.3	5.8	4.8	3.8	3.6	3.3	3.3	3.4
52.5°	14.0	11.7	10.2	8.3	6.6	5.6	4.6	3.8	3.6	3.3	3.4
50°	11.6	11.7	10.8	9.1	7.1	6.0	5.3	4.4	3.9	3.4	3.5
47.5°	10.4	11.4	11.1	9.8	7.8	6.5	5.8	4.9	4.2	3.7	3.5
45°	10.8	11.0	11.4	10.3	8.6	7.2	6.2	5.4	4.6	4.0	3.6
42.5°	12.3	12.1	11.5	11.0	9.7	8.0	6.6	5.8	5.0	4.4	3.8
40°	16.3	14.3	12.4	12.2	11.0	8.8	7.2	6.1	5.3	4.7	4.0
37.5°	21.5	18.5	15.2	14.8	12.9	10.2	7.9	6.4	5.7	5.0	4.3
35°	38.0	24.5	23.7	21.0	16.3	11.8	8.6	6.8	6.1	5.3	4.6
32.5°	58.8	44.5	41.8	31.3	20.7	13.5	9.7	7.7	6.5	5.6	4.9
30°	98.4	94.3	68.2	44.5	27.8	17.6	11.6	8.8	6.9	5.9	5.1
27.5°	173.1	160.0	106.7	68.7	40.4	23.0	14.5	10.0	7.4	6.2	5.3
25°	258.5	233.8	171.2	101.0	54.9	36.6	17.8	11.5	8.2	6.6	5.6
22.5°	355.7	311.2	246.5	138.1	84.5	54.7	25.1	14.1	9.3	7.0	5.8
20°	452.7	392.8	326.2	185.1	121.9	80.0	38.2	16.9	10.4	7.4	6.0
17.5°	552.9	460.2	369.1	241.6	160.7	107.2	53.6	19.8	11.6	7.7	6.2
15°	634.1	504.7	406.8	290.6	197.1	136.0	70.8	22.9	12.8	8.1	6.3
12.5°	700.6	546.5	441.7	332.4	231.2	165.8	89.2	25.9	13.9	8.5	6.4
10°	760.9	585.2	473.7	367.6	263.0	195.8	108.2	28.9	15.2	8.8	6.5
7.5°	814.3	620.5	502.6	396.9	288.7	214.6	119.9	31.7	16.5	9.1	6.5
5°	856.0	648.7	521.1	405.5	291.3	219.4	128.8	34.3	17.8	9.4	6.6
2.5°	870.2	667.7	532.2	408.2	291.8	221.3	135.6	36.6	18.9	9.7	6.6
0°	875.3	682.2	539.8	407.3	290.3	220.8	140.2	38.6	19.9	9.9	6.6
-2.5°	882.5	685.2	548.3	424.4	305.1	228.7	147.7	48.2	26.0	13.3	7.8
-5°	881.3	683.7	553.4	437.8	317.4	234.6	153.0	57.2	31.7	16.5	8.9
-7.5°	851.2	666.5	549.0	445.7	326.7	238.5	156.3	65.4	37.0	19.5	10.0
-10°	808.4	638.3	532.6	441.0	333.2	243.5	158.3	72.6	41.7	22.1	10.9
-12.5°	758.1	607.2	517.3	435.7	337.5	249.4	161.9	79.6	45.8	24.2	11.7
-15°	700.5	573.8	504.6	430.4	339.7	253.2	163.0	85.5	49.7	26.2	12.3
-17.5°	641.6	538.5	495.5	426.1	339.8	255.0	161.6	89.8	52.7	28.1	13.2
-20°	622.2	526.9	489.9	423.5	337.9	254.8	157.5	92.3	54.7	29.5	14.3



REPORT NUMBER: P701355 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	605.7	537.6	489.3	419.0	334.7	252.7	150.7	92.9	55.6	30.1	15.0
-25°	588.0	549.1	486.0	407.5	329.6	243.2	146.3	91.5	55.2	30.1	15.5
-27.5°	591.3	555.6	477.5	390.9	314.3	230.4	144.2	90.9	54.2	29.3	15.5
-30°	604.4	542.4	457.5	370.0	295.9	209.0	139.3	88.7	53.2	28.8	15.1
-32.5°	606.7	522.9	429.8	347.4	271.5	187.0	129.5	84.8	51.1	28.3	15.0
-35°	579.7	491.0	396.7	321.2	244.9	172.9	118.2	79.2	48.0	27.3	14.8
-37.5°	549.3	451.7	364.9	291.8	217.9	156.5	108.4	72.0	43.7	25.6	14.2
-40°	502.4	412.0	332.8	261.9	195.4	137.7	96.9	64.9	40.5	23.4	13.3
-42.5°	452.0	373.8	300.4	231.9	172.3	123.2	84.4	56.9	36.8	21.6	12.0
-45°	406.9	333.7	265.9	203.9	148.0	107.1	74.5	48.7	32.4	19.7	10.9
-47.5°	359.5	293.0	230.9	173.5	128.2	90.8	63.7	43.3	27.7	17.4	10.0
-50°	312.1	251.3	194.9	146.9	106.4	77.6	53.3	37.4	24.4	14.6	9.0
-52.5°	262.9	209.2	161.2	120.0	89.1	63.4	46.1	31.3	20.7	12.6	7.7
-55°	213.3	169.5	128.5	97.5	72.0	53.4	38.4	26.6	16.7	10.9	6.5
-57.5°	168.2	130.2	102.0	77.1	58.4	43.9	31.6	21.5	14.0	9.0	6.3
-60°	125.5	101.3	78.1	61.2	47.0	35.0	25.2	16.8	11.5	7.3	6.1
-62.5°	94.0	74.8	61.3	47.6	36.4	27.0	19.0	13.6	8.9	6.9	5.8
-65°	68.9	57.0	45.4	35.6	26.6	19.5	15.0	10.3	7.8	6.4	5.5
-67.5°	49.1	40.5	32.3	24.1	19.0	14.8	10.8	8.5	7.0	5.9	5.2
-70°	32.7	25.5	21.1	17.5	13.7	10.4	8.9	7.4	6.2	5.6	5.0
-72.5°	20.4	17.6	14.7	11.7	10.2	8.7	7.4	6.4	5.8	5.3	4.7
-75°	13.1	11.8	10.6	9.4	8.1	7.0	6.5	6.0	5.4	4.9	4.6
-77.5°	10.0	9.1	8.0	7.3	6.7	6.3	5.9	5.6	5.1	4.8	4.5
-80°	7.6	7.0	6.5	6.1	5.8	5.5	5.3	5.1	4.8	4.6	4.4
-82.5°	5.6	5.4	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.3
-85°	4.8	4.7	4.6	4.6	4.5	4.4	4.3	4.2	4.1	4.1	4.0
-87.5°	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.5	2.8	3.0



REPORT NUMBER: P701355 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
75°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
72.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
70°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
65°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
62.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
60°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3
55°	3.4	3.3	3.3	3.3	3.3	3.3	3.3
52.5°	3.5	3.3	3.3	3.3	3.3	3.3	3.3
50°	3.6	3.4	3.3	3.3	3.3	3.3	3.3
47.5°	3.7	3.5	3.3	3.3	3.3	3.3	3.3
45°	3.8	3.6	3.3	3.3	3.3	3.3	3.3
42.5°	3.8	3.8	3.3	3.3	3.3	3.3	3.3
40°	3.9	3.9	3.4	3.3	3.3	3.3	3.3
37.5°	3.9	4.1	3.5	3.3	3.3	3.3	3.3
35°	4.0	4.2	3.6	3.4	3.3	3.3	3.3
32.5°	4.1	4.2	3.7	3.4	3.3	3.3	3.3
30°	4.3	4.3	3.8	3.5	3.3	3.3	3.3
27.5°	4.5	4.3	3.9	3.5	3.3	3.3	3.3
25°	4.7	4.4	4.0	3.6	3.3	3.3	3.3
22.5°	4.9	4.4	4.1	3.7	3.3	3.3	3.3
20°	5.1	4.4	4.2	3.7	3.3	3.3	3.3
17.5°	5.2	4.4	4.3	3.8	3.3	3.3	3.3
15°	5.3	4.4	4.3	3.9	3.3	3.3	3.3
12.5°	5.3	4.4	4.4	4.0	3.3	3.3	3.3
10°	5.4	4.4	4.4	4.1	3.3	3.3	3.3
7.5°	5.4	4.4	4.4	4.2	3.3	3.3	3.3
5°	5.5	4.4	4.4	4.2	3.3	3.3	3.3
2.5°	5.5	4.4	4.4	4.3	3.3	3.3	3.3
0°	5.5	4.4	4.4	4.4	3.3	3.3	3.3
-2.5°	5.8	4.5	4.4	4.4	3.3	3.3	3.3
-5°	6.1	4.6	4.4	4.4	3.4	3.3	3.3
-7.5°	6.3	4.7	4.4	4.4	3.4	3.3	3.3
-10°	6.5	4.8	4.4	4.4	3.5	3.3	3.3
-12.5°	6.7	4.9	4.4	4.3	3.5	3.3	3.3
-15°	6.8	5.0	4.4	4.3	3.6	3.3	3.3
-17.5°	6.9	5.0	4.4	4.3	3.6	3.3	3.3
-20°	7.2	5.1	4.4	4.3	3.6	3.3	3.3



REPORT NUMBER: P701355 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	7.8	5.1	4.4	4.3	3.7	3.3	3.3
-25°	8.2	5.2	4.4	4.3	3.7	3.3	3.3
-27.5°	8.4	5.3	4.4	4.3	3.7	3.3	3.3
-30°	8.4	5.3	4.4	4.3	3.7	3.3	3.3
-32.5°	8.2	5.2	4.5	4.3	3.7	3.3	3.3
-35°	8.0	5.1	4.5	4.3	3.7	3.3	3.3
-37.5°	7.9	5.0	4.5	4.3	3.7	3.3	3.3
-40°	7.6	5.0	4.6	4.4	3.7	3.3	3.3
-42.5°	7.2	5.0	4.6	4.4	3.7	3.3	3.3
-45°	6.6	5.1	4.6	4.4	3.6	3.3	3.3
-47.5°	5.9	5.0	4.6	4.4	3.6	3.3	3.3
-50°	5.7	5.0	4.6	4.3	3.5	3.3	3.3
-52.5°	5.7	5.0	4.5	4.2	3.5	3.3	3.3
-55°	5.5	4.9	4.5	4.1	3.4	3.3	3.3
-57.5°	5.4	4.8	4.5	4.0	3.4	3.3	3.3
-60°	5.3	4.7	4.4	3.9	3.3	3.3	3.3
-62.5°	5.1	4.6	4.3	3.8	3.3	3.3	3.3
-65°	4.9	4.5	4.2	3.7	3.3	3.3	3.3
-67.5°	4.7	4.4	4.1	3.6	3.3	3.3	3.3
-70°	4.4	4.3	4.0	3.5	3.3	3.3	3.3
-72.5°	4.4	4.2	3.9	3.5	3.3	3.3	3.3
-75°	4.4	4.2	3.8	3.5	3.3	3.3	3.3
-77.5°	4.4	4.1	3.8	3.5	3.3	3.3	3.3
-80°	4.4	4.0	3.7	3.4	3.3	3.3	3.3
-82.5°	4.1	3.8	3.6	3.4	3.3	3.3	3.3
-85°	3.9	3.7	3.5	3.4	3.3	3.3	3.3
-87.5°	3.6	3.5	3.4	3.3	3.3	3.3	3.3
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3

(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

