

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: P701357 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-80-5S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701357 (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-08-0320L-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

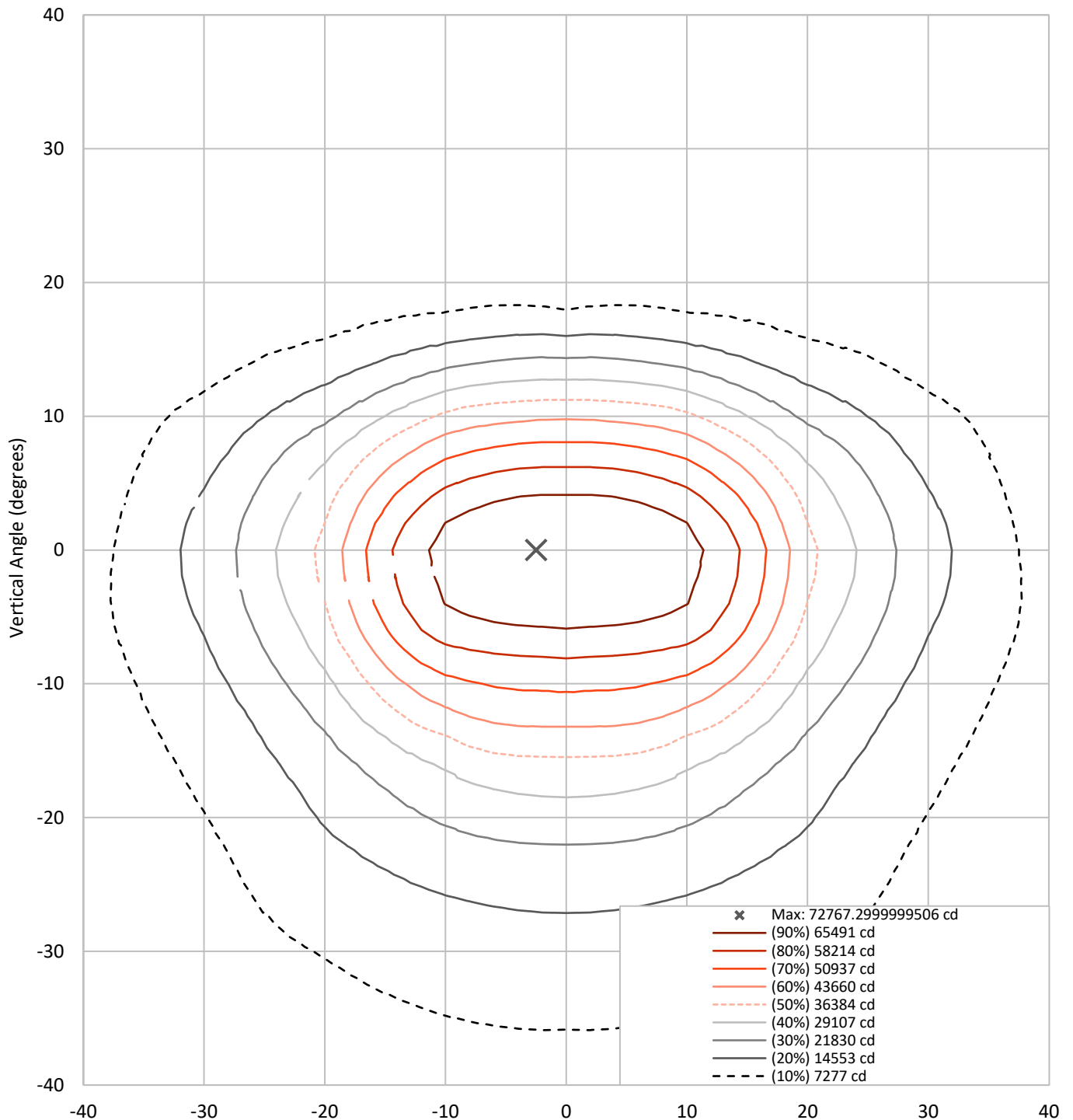
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	28834.4 lumens	Max Intensity:	72767.3 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	83.8 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:	14291 lumens	Field Lumens:	25848 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%

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-CV5-S

Iso-Candela Plot





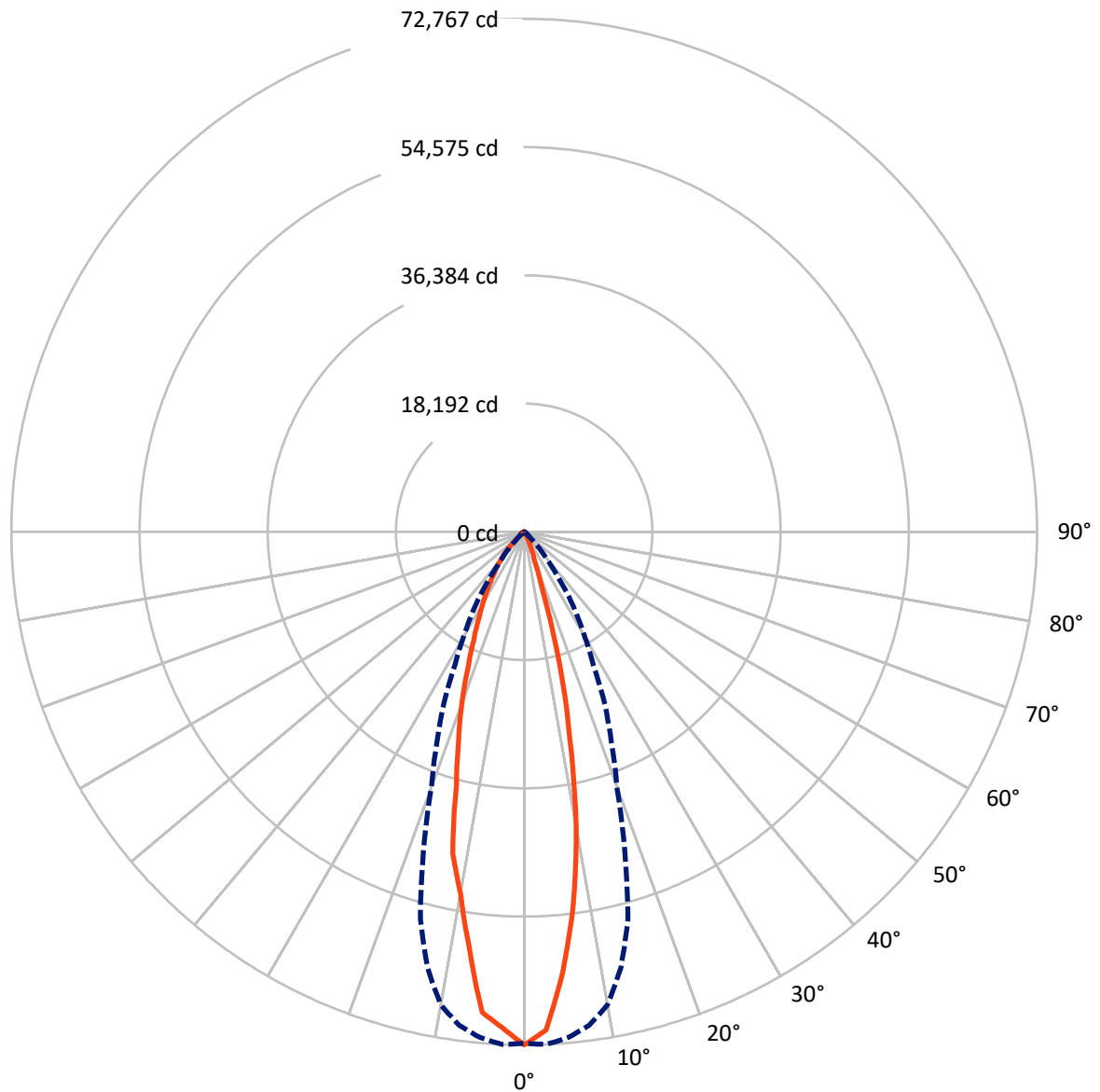
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Lumen Table

90																
80	0.1	0.3		0.5		0.5		0.3		0.5		0.5		0.3		0.1
70																
60	0.1	0.1	0.1	0.2	0.3	0.2	0.2	0.1	0.1	0.2	0.2	0.3	0.2	0.1	0.1	0.1
50		0.1	0.2	0.4	0.4	0.2	0.1	0.1	0.1	0.1	0.2	0.4	0.4	0.2	0.1	
40	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1
30		0.1	0.3	0.5	1.1	2.4	3.8	5.1	5.1	3.8	2.4	1.1	0.5	0.3	0.1	
20	0.1	0.2	0.8	2.0	9.3	21.3	39.9	56.6	56.6	39.9	21.3	9.3	2.0	0.8	0.2	0.1
10		0.5	2.8	12.6	73.3	194.6	399.9	592.1	592.1	399.9	194.6	73.3	12.6	2.8	0.5	
0	0.2	0.9	6.1	37.9	214.4	610.8	1312.7	1808.2	1808.2	1312.7	610.8	214.4	37.9	6.1	0.9	0.2
-10		1.2	7.5	47.0	244.8	668.1	1467.5	1949.5	1949.5	1467.5	668.1	244.8	47.0	7.5	1.2	
-20	0.2	1.3	6.7	30.1	155.7	401.4	813.5	1132.6	1132.6	813.5	401.4	155.7	30.1	6.7	1.3	0.2
-30		1.2	5.6	14.0	81.9	229.3	400.9	518.8	518.8	400.9	229.3	81.9	14.0	5.6	1.2	
-40	0.2	1.0	4.2	9.2	27.4	104.4	186.3	237.4	237.4	186.3	104.4	27.4	9.2	4.2	1.0	0.2
-50		0.6	2.6	6.8	12.4	22.4	49.3	72.3	72.3	49.3	22.4	12.4	6.8	2.6	0.6	
-60	0.1	0.3	1.3	3.6	7.3	11.5	14.8	16.6	16.6	14.8	11.5	7.3	3.6	1.3	0.3	0.1
-70		0.1	0.5	1.3	2.6	4.3	6.1	7.1	7.1	6.1	4.3	2.6	1.3	0.5	0.1	
-80																
-90	0.1	0.4		1.3		3.4		4.6		3.4		1.3		0.4		0.1

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CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV5-S

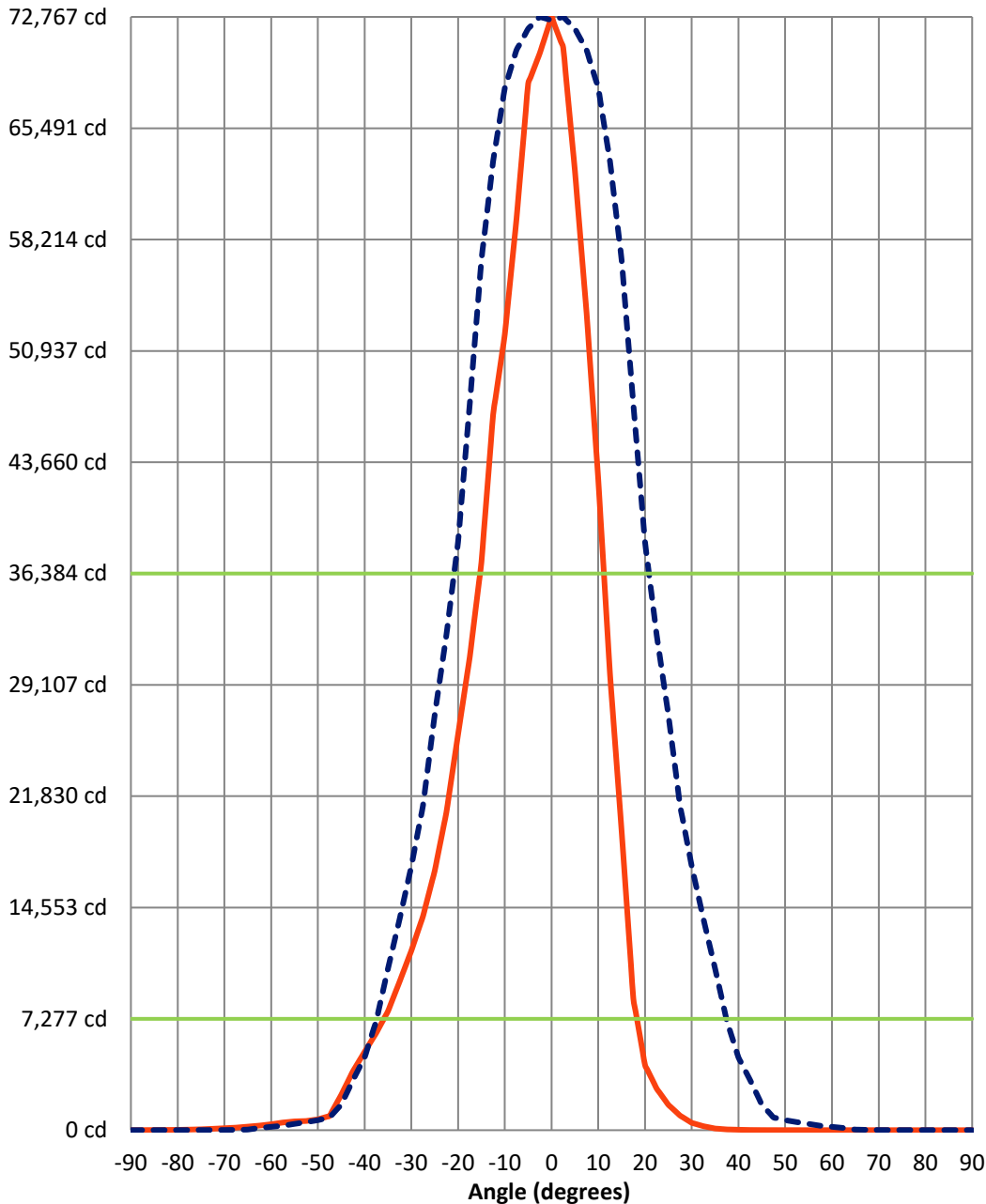
Luminous Intensity Polar Plot



— 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: 14291
 Efficiency: 49.6%

Field:
 H Angle: 74.8°
 V Angle: 54.1°
 Lumens: 25848
 Efficiency: 89.6%

Spill:
 Lumens: 2986.5
 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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	4.4	4.4	4.5	4.5	4.6	4.6	4.7	4.6	4.6	4.5	4.4
85°	4.4	4.4	4.6	4.7	4.8	4.9	5.0	4.9	4.8	4.6	4.4
82.5°	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.2	5.0	4.8	4.7
80°	4.4	4.5	4.8	5.0	5.2	5.3	5.5	5.3	5.2	5.1	5.2
77.5°	4.4	4.5	4.9	5.1	5.3	5.5	5.5	5.4	5.3	5.4	5.5
75°	4.4	4.5	4.9	5.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5
72.5°	4.4	4.6	5.0	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5
70°	4.4	4.6	5.1	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
67.5°	4.4	4.6	5.2	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
65°	4.4	4.6	5.2	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
62.5°	4.4	4.6	5.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
60°	4.4	4.6	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
57.5°	4.4	4.6	5.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
55°	4.4	4.7	5.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
52.5°	4.4	4.7	5.3	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
50°	4.4	4.7	5.3	5.5	5.5	5.5	5.5	5.6	5.5	5.5	5.8
47.5°	4.4	4.7	5.3	5.5	5.5	5.5	5.5	5.6	5.5	5.5	6.2
45°	4.4	4.7	5.3	5.5	5.5	5.5	5.6	5.7	5.6	5.8	6.6
42.5°	4.4	4.7	5.3	5.5	5.5	5.5	5.7	5.9	5.7	6.1	7.0
40°	4.4	4.7	5.3	5.5	5.5	5.5	5.8	6.0	6.0	6.4	7.3
37.5°	4.4	4.7	5.3	5.5	5.5	5.5	6.0	6.2	6.4	6.9	7.6
35°	4.4	4.7	5.3	5.5	5.5	5.6	6.1	6.4	6.8	7.4	7.8
32.5°	4.4	4.6	5.3	5.5	5.5	5.7	6.3	6.6	7.1	7.9	8.5
30°	4.4	4.6	5.4	5.5	5.5	5.8	6.5	6.9	7.5	8.4	9.3
27.5°	4.4	4.6	5.4	5.5	5.5	5.9	6.6	7.2	7.9	9.0	10.3
25°	4.4	4.6	5.4	5.5	5.5	6.1	6.8	7.5	8.4	9.7	11.4
22.5°	4.4	4.6	5.4	5.5	5.5	6.2	7.0	7.8	8.8	10.6	13.4
20°	4.4	4.6	5.4	5.5	5.5	6.3	7.3	8.1	9.3	11.5	15.7
17.5°	4.4	4.6	5.4	5.5	5.5	6.3	7.4	8.3	9.8	12.4	18.1
15°	4.4	4.5	5.4	5.5	5.5	6.4	7.5	8.5	10.3	13.4	20.8
12.5°	4.4	4.5	5.5	5.5	5.5	6.5	7.5	8.6	10.7	14.4	23.5
10°	4.4	4.5	5.5	5.5	5.5	6.5	7.6	8.7	11.0	15.7	26.5
7.5°	4.4	4.5	5.5	5.5	5.5	6.6	7.6	8.7	11.3	17.1	30.0
5°	4.4	4.4	5.5	5.5	5.5	6.6	7.7	8.8	11.6	18.5	33.4
2.5°	4.4	4.4	5.5	5.5	5.5	6.6	7.7	8.8	11.9	19.8	36.7
0°	4.4	4.4	5.5	5.5	5.5	6.6	7.7	8.8	12.1	21.0	39.7
-2.5°	4.4	4.4	5.5	5.5	5.6	6.7	7.8	9.8	15.1	26.4	48.5
-5°	4.4	4.4	5.5	5.5	5.7	6.8	8.0	10.8	17.9	31.5	56.7
-7.5°	4.4	4.5	5.5	5.5	5.8	6.9	8.1	11.7	20.5	36.2	64.2
-10°	4.4	4.5	5.5	5.5	5.9	7.0	8.2	12.5	22.8	40.3	70.7
-12.5°	4.4	4.5	5.5	5.5	5.9	7.1	8.3	13.1	24.6	43.9	75.7
-15°	4.4	4.5	5.4	5.5	6.0	7.1	8.3	13.5	26.2	46.9	79.3
-17.5°	4.4	4.6	5.4	5.5	6.0	7.2	8.4	14.1	27.5	49.0	81.8
-20°	4.4	4.6	5.4	5.5	6.1	7.2	8.7	14.9	28.3	50.3	83.0



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 CATALOG NUMBER: EPH-LS-08-0320L-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°	4.4	4.6	5.4	5.5	6.1	7.2	9.2	15.4	28.6	50.6	82.8
-25°	4.4	4.6	5.4	5.5	6.1	7.3	9.5	15.6	28.2	49.9	81.1
-27.5°	4.4	4.6	5.4	5.5	6.1	7.3	9.6	15.6	27.2	48.6	80.1
-30°	4.4	4.6	5.4	5.5	6.0	7.2	9.6	15.3	26.6	47.4	77.8
-32.5°	4.4	4.6	5.3	5.5	6.0	7.1	9.3	15.2	26.2	45.3	74.0
-35°	4.4	4.7	5.3	5.5	5.9	7.0	9.1	14.9	25.4	42.3	68.7
-37.5°	4.4	4.7	5.3	5.5	5.8	6.8	8.9	14.2	24.1	38.4	61.6
-40°	4.4	4.7	5.3	5.5	5.7	6.7	8.7	13.2	22.4	35.8	54.8
-42.5°	4.4	4.7	5.3	5.5	5.7	6.6	8.3	11.9	20.7	32.6	47.6
-45°	4.4	4.7	5.3	5.5	5.7	6.5	7.9	10.7	18.8	28.9	40.4
-47.5°	4.4	4.7	5.3	5.6	5.8	6.4	7.4	10.1	16.3	24.9	35.8
-50°	4.4	4.7	5.3	5.6	5.8	6.2	7.1	9.3	13.1	21.3	30.8
-52.5°	4.4	4.7	5.3	5.6	5.8	6.1	7.0	8.5	11.4	17.5	25.6
-55°	4.4	4.7	5.3	5.6	5.9	6.1	6.8	7.6	10.2	13.4	21.0
-57.5°	4.4	4.6	5.3	5.6	5.9	6.1	6.6	7.4	9.0	11.5	16.2
-60°	4.4	4.6	5.4	5.6	5.9	6.1	6.4	7.1	7.9	10.0	12.3
-62.5°	4.4	4.6	5.3	5.6	5.9	6.2	6.4	6.9	7.6	8.6	10.7
-65°	4.4	4.6	5.2	5.6	5.8	6.2	6.5	6.7	7.3	8.0	9.1
-67.5°	4.4	4.6	5.2	5.5	5.7	6.2	6.5	6.7	7.0	7.7	8.3
-70°	4.4	4.6	5.1	5.5	5.7	6.0	6.5	6.7	6.9	7.3	7.9
-72.5°	4.4	4.6	5.0	5.4	5.6	5.9	6.3	6.6	6.8	7.1	7.5
-75°	4.4	4.5	4.9	5.3	5.5	5.7	6.1	6.4	6.6	6.8	7.1
-77.5°	4.4	4.5	4.9	5.1	5.3	5.6	5.8	6.0	6.3	6.5	6.7
-80°	4.4	4.5	4.8	5.0	5.2	5.3	5.5	5.7	5.9	6.1	6.3
-82.5°	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.5	5.7	5.8
-85°	4.4	4.4	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.2	5.3
-87.5°	4.4	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.9
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4



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 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
82.5°	4.7	4.7	4.6	4.4	4.4	4.4	4.4	4.5	4.6	4.6	4.5
80°	5.1	5.0	4.8	4.7	4.9	5.0	5.2	5.3	5.2	5.0	4.7
77.5°	5.3	5.3	5.3	5.3	5.5	5.5	5.5	5.5	5.3	5.0	4.7
75°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.7	5.8	5.7	5.6
72.5°	5.5	5.5	5.5	5.5	5.5	5.7	6.0	6.4	6.6	6.6	6.5
70°	5.5	5.5	5.5	5.5	5.6	5.9	6.5	7.1	7.4	7.6	8.0
67.5°	5.5	5.5	5.5	5.6	6.0	6.6	7.2	8.2	9.5	10.1	10.8
65°	5.5	5.5	5.6	6.0	6.5	7.3	8.5	10.0	12.9	14.5	15.2
62.5°	5.5	5.6	5.9	6.4	7.1	8.1	10.3	13.5	17.7	20.1	19.8
60°	5.5	5.6	6.2	6.9	7.7	9.4	12.5	16.9	22.4	26.4	23.9
57.5°	5.5	5.9	6.6	7.6	8.9	10.4	14.3	19.7	25.2	31.3	26.7
55°	5.7	6.3	7.3	8.6	9.9	11.2	15.1	19.8	26.0	29.3	24.9
52.5°	6.1	6.8	8.2	9.5	10.8	11.6	13.4	17.9	21.2	23.7	21.3
50°	6.5	7.6	9.0	10.1	11.0	11.0	10.5	14.0	16.6	17.5	17.3
47.5°	7.1	8.4	9.4	10.4	10.5	10.3	9.3	10.9	12.8	13.6	13.0
45°	7.6	8.8	9.7	10.1	10.3	9.9	9.5	9.1	11.1	11.5	11.0
42.5°	8.1	9.1	9.8	9.9	10.4	10.6	10.5	10.2	10.4	10.7	10.6
40°	8.4	9.4	10.0	10.9	11.1	12.0	12.7	12.6	10.7	11.9	12.1
37.5°	8.6	9.7	10.9	13.1	12.8	14.4	15.6	17.2	15.7	14.7	16.5
35°	8.9	10.2	13.8	16.5	16.6	17.7	21.5	23.4	22.2	21.1	23.2
32.5°	9.2	10.7	17.7	20.6	22.2	23.8	29.2	30.2	31.2	31.8	33.5
30°	10.2	14.3	22.2	25.1	28.6	34.5	37.4	38.3	42.4	47.8	62.5
27.5°	12.3	19.0	26.5	31.0	36.5	46.6	50.4	50.9	57.6	71.7	107.2
25°	14.8	30.1	31.1	37.7	47.9	60.0	67.9	75.5	78.1	120.6	205.1
22.5°	20.8	44.3	49.3	44.8	60.1	75.7	92.5	113.8	146.2	195.2	320.6
20°	31.3	59.9	72.1	75.3	79.0	93.5	120.9	164.0	265.1	439.6	606.1
17.5°	43.4	77.9	97.6	113.6	131.6	137.4	155.1	223.9	415.1	788.1	1224.3
15°	56.7	97.7	125.1	156.4	189.7	215.2	252.5	359.8	668.2	1269.3	2018.5
12.5°	70.8	119.0	154.1	202.9	252.0	297.7	367.7	597.1	1115.9	1949.6	3086.1
10°	85.3	141.2	184.2	251.7	317.4	383.6	487.1	868.8	1645.3	2674.7	4058.8
7.5°	101.1	162.9	214.1	301.7	384.5	471.2	608.4	1161.0	2193.5	3344.4	4901.3
5°	116.6	183.2	240.7	341.8	439.4	547.3	718.6	1457.3	2737.5	3955.3	5665.2
2.5°	130.9	202.2	266.2	378.3	484.5	602.8	779.1	1579.5	3050.7	4406.2	6418.2
0°	143.5	219.7	290.3	411.7	526.5	654.6	832.3	1667.9	3266.2	4751.9	7152.7
-2.5°	149.0	226.4	302.2	421.8	524.8	646.3	832.6	1697.2	3450.8	5162.6	7523.6
-5°	152.3	231.1	311.8	428.5	520.6	634.1	824.5	1684.2	3481.1	5257.5	7377.1
-7.5°	153.7	233.8	318.6	429.9	510.0	609.9	787.6	1561.2	3151.2	4822.1	6690.0
-10°	153.3	233.1	315.8	416.5	490.6	577.6	738.3	1399.1	2769.2	4330.7	5959.7
-12.5°	150.5	229.3	309.6	401.7	471.7	543.7	681.7	1199.6	2350.4	3798.1	5260.6
-15°	146.6	224.1	301.4	386.4	454.1	508.8	617.9	964.0	1914.1	3320.3	4699.3
-17.5°	141.7	217.4	291.2	371.0	438.8	473.6	549.8	728.2	1523.8	2808.4	4134.1
-20°	136.1	209.5	279.2	356.2	424.7	450.5	513.6	656.5	1204.9	2238.1	3520.6



REPORT NUMBER: P701357 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	130.0	200.5	266.6	340.6	404.1	438.5	481.8	580.7	859.2	1613.7	2858.0
-25°	126.2	190.9	254.4	320.2	383.7	426.9	449.2	507.9	649.5	1217.6	2159.0
-27.5°	123.7	181.4	237.8	298.2	363.5	412.7	431.1	471.4	570.9	806.8	1501.9
-30°	119.4	166.9	219.8	275.7	338.9	390.1	419.6	443.3	503.3	632.5	1030.2
-32.5°	110.5	151.4	201.8	254.6	311.6	368.5	410.9	433.8	472.6	539.4	673.0
-35°	100.0	138.6	183.4	232.2	283.5	342.0	391.7	429.5	447.9	493.9	579.5
-37.5°	90.3	124.8	164.1	209.7	257.9	311.7	369.9	412.5	442.9	464.1	525.1
-40°	79.6	110.3	147.1	187.9	232.0	281.4	335.3	388.0	428.5	463.7	490.9
-42.5°	68.4	97.5	130.3	165.3	206.9	251.6	299.3	351.8	404.0	451.5	488.2
-45°	59.9	83.7	113.0	145.7	181.2	221.4	265.2	311.1	365.5	420.2	467.7
-47.5°	50.8	70.2	96.7	124.9	156.6	192.0	230.4	273.5	319.6	372.4	428.2
-50°	42.2	59.7	79.2	105.1	132.6	163.2	197.2	235.0	276.3	320.2	368.7
-52.5°	36.1	48.6	65.7	85.2	109.6	135.8	165.4	198.0	233.7	271.1	310.4
-55°	29.5	40.2	52.6	68.7	87.4	110.1	135.0	163.4	192.0	225.2	255.3
-57.5°	23.6	32.3	42.1	53.7	68.9	85.5	107.4	130.0	155.7	181.6	203.8
-60°	18.0	25.1	33.3	42.2	52.0	66.3	81.0	99.8	120.6	140.5	159.6
-62.5°	12.8	18.6	25.3	32.6	40.6	48.9	60.9	74.1	87.4	104.1	119.5
-65°	11.0	13.2	18.1	24.2	30.3	38.0	45.6	52.8	64.0	74.8	84.9
-67.5°	9.1	10.9	13.0	16.1	21.7	28.0	34.3	41.0	47.4	53.0	59.3
-70°	8.4	8.7	10.2	12.1	14.6	18.6	24.2	29.8	35.3	40.6	45.6
-72.5°	7.9	8.2	8.5	8.8	10.7	13.4	16.4	19.5	23.3	27.6	32.0
-75°	7.4	7.7	7.9	8.2	8.8	9.8	11.2	13.7	16.1	18.3	20.3
-77.5°	6.9	7.1	7.3	7.5	7.9	8.6	9.4	10.4	11.6	12.9	14.2
-80°	6.4	6.6	6.8	6.9	7.2	7.5	7.9	8.4	9.1	10.0	11.1
-82.5°	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.9	7.2	7.6	8.0
-85°	5.4	5.5	5.6	5.7	5.7	5.8	5.9	6.0	6.0	6.1	6.1
-87.5°	4.9	4.9	5.0	5.0	5.1	5.1	5.1	5.2	5.2	5.2	5.3
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4



REPORT NUMBER: P701357 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.4	4.7	5.0	5.2	5.5	6.3	7.1	8.0	8.8	8.5	8.2
87.5°	4.4	4.1	3.9	3.6	3.3	3.0	2.8	2.5	2.2	1.9	1.7
85°	4.4	4.3	4.3	4.2	4.2	4.0	3.7	3.5	3.2	2.7	2.2
82.5°	4.4	4.4	4.4	4.4	4.4	4.1	3.9	3.6	3.3	2.8	2.2
80°	4.4	4.4	4.4	4.4	4.4	4.2	3.9	3.6	3.3	2.8	2.2
77.5°	4.6	4.6	4.6	4.5	4.4	4.2	3.9	3.6	3.3	2.8	2.3
75°	5.5	5.4	5.2	4.9	4.5	4.2	3.9	3.6	3.4	3.0	2.7
72.5°	6.4	6.2	5.9	5.7	5.4	5.2	4.9	4.6	4.3	4.0	3.8
70°	8.5	8.7	8.5	8.0	7.4	6.7	6.3	5.9	5.4	4.9	4.5
67.5°	11.5	11.5	10.9	10.0	8.7	7.5	6.9	6.3	5.8	5.4	5.4
65°	15.0	13.7	12.3	10.8	9.2	7.6	7.0	6.4	5.8	5.5	5.5
62.5°	18.3	14.8	11.9	10.1	8.7	7.6	6.8	6.0	5.2	4.7	4.6
60°	19.7	14.0	10.0	8.7	7.7	6.7	5.9	5.3	4.7	4.4	4.1
57.5°	19.7	13.3	8.5	7.4	6.5	5.7	5.3	5.0	4.7	4.4	4.0
55°	18.0	11.9	7.0	6.3	6.0	5.7	5.4	5.1	4.7	4.4	4.1
52.5°	14.7	10.4	7.4	6.4	6.1	5.8	5.5	5.1	4.8	4.5	4.1
50°	12.7	9.5	7.6	6.5	6.2	5.9	5.5	5.4	5.4	5.2	5.0
47.5°	11.0	8.7	7.5	6.7	6.5	7.0	7.3	7.4	7.2	7.0	6.7
45°	9.6	8.4	7.8	8.2	8.5	9.2	9.6	9.6	9.6	9.6	9.6
42.5°	9.6	9.6	10.3	11.4	11.3	12.7	13.4	11.8	13.5	14.5	13.7
40°	12.7	13.0	16.0	18.5	20.8	21.2	24.8	25.3	25.8	27.3	27.6
37.5°	18.6	21.8	31.3	38.4	41.3	41.6	46.8	47.9	46.4	52.7	54.5
35°	28.5	43.2	58.5	67.3	72.2	76.0	83.1	91.2	87.3	101.4	106.2
32.5°	51.1	78.1	105.8	104.8	114.2	139.3	148.7	163.5	179.0	202.7	228.6
30°	86.0	158.8	190.9	179.2	205.7	241.6	241.8	283.1	340.7	389.6	463.2
27.5°	193.7	275.2	317.2	336.0	356.1	401.4	457.7	510.2	656.6	756.7	861.9
25°	328.8	441.3	486.3	556.1	619.5	661.6	831.7	955.8	1166.2	1318.9	1477.0
22.5°	530.2	678.9	772.1	835.2	1048.9	1238.8	1420.5	1690.8	1899.7	2161.7	2359.1
20°	782.3	983.2	1325.4	1593.9	1728.1	2131.5	2460.1	2739.5	3110.1	3435.0	3723.9
17.5°	1476.1	1588.9	2303.9	3003.7	3286.5	3808.0	4752.8	5109.3	6176.3	6957.7	7379.6
15°	2672.7	3218.7	3971.7	5138.2	6432.2	7454.4	8350.0	10183.9	12219.9	14024.7	15925.0
12.5°	4226.3	5294.0	6561.4	7988.3	10319.7	12169.9	14151.5	16772.4	20061.4	22923.9	26291.4
10°	5782.8	7586.9	9338.8	11562.2	14507.2	17363.7	20217.9	24369.1	29200.3	33838.8	37849.4
7.5°	7069.7	9515.5	11889.6	14963.5	18974.8	22954.6	26943.8	32434.3	38823.9	44117.8	48668.9
5°	8379.5	11442.4	14227.4	17772.5	22493.6	27340.8	32332.9	39179.1	46726.3	52720.8	57416.4
2.5°	9582.2	13052.9	16276.4	20229.5	25486.8	30229.3	35911.9	44316.5	53309.5	59776.3	64952.9
0°	10553.6	13806.5	17250.4	21228.6	27131.8	32359.4	38449.2	47461.8	56871.8	63333.0	68109.8
-2.5°	10344.5	13634.8	16854.6	20896.5	26822.9	31635.7	37800.8	46668.3	55965.4	62529.9	66820.1
-5°	9691.7	12603.9	15494.9	19290.8	24502.4	29192.1	35229.6	44344.6	53262.6	59956.7	64893.3
-7.5°	8726.5	11199.1	13821.3	17280.2	21816.6	26302.8	31554.1	38818.3	47141.8	53196.9	56775.0
-10°	7710.3	9757.5	12213.2	15136.3	18880.3	22909.7	27270.7	33089.9	40202.2	45512.3	48906.8
-12.5°	6819.5	8593.3	10784.0	12945.9	16000.5	19589.3	23461.8	28223.8	32916.8	38516.4	41451.1
-15°	5999.0	7477.5	9360.0	11432.8	13971.2	16791.8	19566.6	23132.0	26188.2	29685.9	32227.2
-17.5°	5312.6	6493.3	8161.2	10170.1	12081.4	14510.2	17158.2	19573.4	22157.2	24682.1	26789.5
-20°	4692.2	5666.4	7088.6	8857.2	10740.4	12805.7	15142.3	17108.3	19219.6	21138.3	22786.6



REPORT NUMBER: P701357 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3987.1	4974.9	6076.4	7589.7	9475.6	11327.2	13057.5	14543.3	16138.7	17689.1	18859.5
-25°	3253.3	4201.4	5256.0	6684.1	8229.0	9787.1	11012.4	12058.4	13303.8	14421.0	15425.4
-27.5°	2494.6	3505.4	4642.8	5835.6	7179.4	8169.5	9200.8	10146.8	11093.2	11844.9	12693.2
-30°	1734.3	2837.2	3955.9	5084.9	6005.3	6795.7	7564.8	8432.3	9288.7	10003.2	10601.8
-32.5°	1191.0	1986.6	3115.4	4165.3	4952.1	5623.8	6217.8	6957.6	7621.2	8209.2	8733.0
-35°	715.3	1275.8	2050.9	3048.7	3909.5	4563.1	5168.1	5729.1	6224.5	6719.7	7113.7
-37.5°	612.8	736.9	1207.1	1870.5	2689.8	3480.6	4102.3	4627.4	5088.9	5470.3	5804.6
-40°	551.8	625.2	728.0	954.4	1557.6	2161.6	2840.1	3438.6	3925.4	4283.6	4574.5
-42.5°	515.8	562.9	613.2	693.8	783.4	1070.1	1589.3	2085.1	2513.0	2909.8	3250.4
-45°	509.6	529.6	556.7	602.2	643.5	717.8	798.9	878.2	1214.8	1533.7	1795.4
-47.5°	471.5	512.1	537.0	557.4	579.0	614.1	648.4	685.1	746.3	803.8	853.1
-50°	415.8	459.5	497.0	533.8	553.0	567.2	581.3	599.6	623.5	645.3	665.4
-52.5°	347.4	389.5	431.6	470.7	501.3	529.3	554.5	566.4	575.4	583.6	590.0
-55°	286.7	319.9	353.1	388.8	424.1	457.7	486.8	505.9	523.2	538.4	551.5
-57.5°	229.5	255.4	282.4	311.4	339.6	366.7	392.6	416.1	437.1	455.3	470.5
-60°	177.8	195.3	217.8	240.9	262.8	283.6	304.5	323.5	340.8	355.9	367.8
-62.5°	133.5	148.0	165.1	181.3	195.7	211.2	230.7	247.1	260.6	271.4	281.0
-65°	95.8	107.9	121.7	135.4	148.7	162.0	175.7	188.8	201.4	211.5	218.5
-67.5°	68.0	76.6	86.3	94.7	104.7	116.3	128.7	140.1	150.4	157.5	161.8
-70°	50.1	55.2	62.2	70.3	78.7	86.4	94.3	102.1	109.9	115.3	119.5
-72.5°	36.6	41.5	46.7	51.9	57.6	63.3	69.0	74.9	80.7	84.3	86.8
-75°	22.2	25.1	29.6	34.0	38.2	42.2	45.9	49.4	52.7	54.4	55.5
-77.5°	15.9	18.0	20.2	22.5	24.8	27.1	29.5	31.8	34.1	35.1	35.9
-80°	12.1	13.3	14.6	15.9	17.2	18.7	20.1	21.6	23.0	23.2	23.3
-82.5°	8.6	9.4	10.3	11.1	11.9	12.7	13.5	14.3	15.0	15.2	15.3
-85°	6.2	6.7	7.2	7.8	8.4	9.0	9.6	10.2	10.8	10.8	10.9
-87.5°	5.3	5.6	5.9	6.2	6.5	6.8	7.1	7.4	7.7	7.7	7.7
-90°	4.4	4.1	3.9	3.6	3.3	3.0	2.8	2.5	2.2	1.9	1.7



REPORT NUMBER: P701357 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	8.0	7.7	7.7	7.7	7.7	7.7	8.0	8.2	8.5	8.8	8.0
87.5°	1.4	1.1	0.6	0.0	0.6	1.1	1.4	1.7	1.9	2.2	2.5
85°	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.2	2.7	3.2	3.5
82.5°	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.2	2.8	3.3	3.6
80°	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.2	2.8	3.3	3.6
77.5°	1.7	1.1	1.1	1.1	1.1	1.1	1.7	2.3	2.8	3.3	3.6
75°	2.5	2.2	1.7	1.1	1.7	2.2	2.5	2.7	3.0	3.4	3.6
72.5°	3.5	3.3	3.3	3.3	3.3	3.3	3.5	3.8	4.0	4.3	4.6
70°	3.9	3.4	3.3	3.3	3.3	3.4	3.9	4.5	4.9	5.4	5.9
67.5°	5.4	5.4	5.0	4.4	5.0	5.4	5.4	5.4	5.4	5.8	6.3
65°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.8	6.4
62.5°	4.5	4.4	4.4	4.4	4.4	4.4	4.5	4.6	4.7	5.2	6.0
60°	3.8	3.4	3.3	3.3	3.3	3.4	3.8	4.1	4.4	4.7	5.3
57.5°	3.7	3.4	3.3	3.3	3.3	3.4	3.7	4.0	4.4	4.7	5.0
55°	3.8	3.4	3.3	3.3	3.3	3.4	3.8	4.1	4.4	4.7	5.1
52.5°	3.8	3.4	3.7	4.4	3.7	3.4	3.8	4.1	4.5	4.8	5.1
50°	4.7	4.5	4.4	4.4	4.4	4.5	4.7	5.0	5.2	5.4	5.4
47.5°	6.3	5.8	5.5	5.5	5.5	5.8	6.3	6.7	7.0	7.2	7.4
45°	9.0	8.2	7.7	7.7	7.7	8.2	9.0	9.6	9.6	9.6	9.6
42.5°	13.5	13.2	13.1	13.2	13.1	13.2	13.5	13.7	14.5	13.5	11.8
40°	29.1	29.5	29.4	29.8	29.4	29.5	29.1	27.6	27.3	25.8	25.3
37.5°	54.8	53.0	50.2	50.8	50.2	53.0	54.8	54.5	52.7	46.4	47.9
35°	106.9	109.6	109.5	110.4	109.5	109.6	106.9	106.2	101.4	87.3	91.2
32.5°	247.3	260.4	260.7	266.0	260.7	260.4	247.3	228.6	202.7	179.0	163.5
30°	485.9	496.3	480.6	487.9	480.6	496.3	485.9	463.2	389.6	340.7	283.1
27.5°	916.6	955.3	954.9	938.2	954.9	955.3	916.6	861.9	756.7	656.6	510.2
25°	1610.0	1669.7	1658.7	1639.2	1658.7	1669.7	1610.0	1477.0	1318.9	1166.2	955.8
22.5°	2538.4	2637.0	2715.9	2664.6	2715.9	2637.0	2538.4	2359.1	2161.7	1899.7	1690.8
20°	4149.1	4177.2	4261.0	4230.9	4261.0	4177.2	4149.1	3723.9	3435.0	3110.1	2739.5
17.5°	8522.8	8828.6	8615.9	7968.4	8615.9	8828.6	8522.8	7379.6	6957.7	6176.3	5109.3
15°	17259.6	18541.2	19536.3	18990.0	19536.3	18541.2	17259.6	15925.0	14024.7	12219.9	10183.9
12.5°	28264.9	29210.5	29843.2	29889.6	29843.2	29210.5	28264.9	26291.4	22923.9	20061.4	16772.4
10°	40569.1	41404.6	42523.8	42681.2	42523.8	41404.6	40569.1	37849.4	33838.8	29200.3	24369.1
7.5°	50927.5	52621.9	53406.4	53301.0	53406.4	52621.9	50927.5	48668.9	44117.8	38823.9	32434.3
5°	60191.3	61946.8	62715.7	62843.5	62715.7	61946.8	60191.3	57416.4	52720.8	46726.3	39179.1
2.5°	68053.5	69825.8	70749.6	70496.2	70749.6	69825.8	68053.5	64952.9	59776.3	53309.5	44316.5
0°	70597.2	71993.0	72767.3	72554.8	72767.3	71993.0	70597.2	68109.8	63333.0	56871.8	47461.8
-2.5°	68980.2	69821.2	70404.9	70179.4	70404.9	69821.2	68980.2	66820.1	62529.9	55965.4	46668.3
-5°	67188.2	68186.2	68404.5	68671.6	68404.5	68186.2	67188.2	64893.3	59956.7	53262.6	44344.6
-7.5°	58136.1	59203.7	59556.3	60090.5	59556.3	59203.7	58136.1	56775.0	53196.9	47141.8	38818.3
-10°	50754.0	51951.3	52009.0	52338.5	52009.0	51951.3	50754.0	48906.8	45512.3	40202.2	33089.9
-12.5°	44570.4	46218.1	46764.8	46634.0	46764.8	46218.1	44570.4	41451.1	38516.4	32916.8	28223.8
-15°	35610.4	37017.9	37118.3	37184.2	37118.3	37017.9	35610.4	32227.2	29685.9	26188.2	23132.0
-17.5°	29025.6	30393.4	30920.7	31084.5	30920.7	30393.4	29025.6	26789.5	24682.1	22157.2	19573.4
-20°	24201.5	25219.7	25863.8	26130.6	25863.8	25219.7	24201.5	22786.6	21138.3	19219.6	17108.3



REPORT NUMBER: P701357 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°
-22.5°	19882.5	20527.9	20763.4	20822.4	20763.4	20527.9	19882.5	18859.5	17689.1	16138.7	14543.3
-25°	16130.9	16643.6	16941.6	17066.1	16941.6	16643.6	16130.9	15425.4	14421.0	13303.8	12058.4
-27.5°	13243.3	13699.6	13986.5	14030.6	13986.5	13699.6	13243.3	12693.2	11844.9	11093.2	10146.8
-30°	11060.2	11460.9	11729.0	11802.0	11729.0	11460.9	11060.2	10601.8	10003.2	9288.7	8432.3
-32.5°	9164.5	9507.5	9717.8	9808.5	9717.8	9507.5	9164.5	8733.0	8209.2	7621.2	6957.6
-35°	7407.8	7638.4	7773.1	7728.9	7773.1	7638.4	7407.8	7113.7	6719.7	6224.5	5729.1
-37.5°	6072.7	6258.2	6359.2	6364.6	6359.2	6258.2	6072.7	5804.6	5470.3	5088.9	4627.4
-40°	4815.5	5003.9	5117.5	5123.9	5117.5	5003.9	4815.5	4574.5	4283.6	3925.4	3438.6
-42.5°	3521.3	3714.3	3846.0	3931.8	3846.0	3714.3	3521.3	3250.4	2909.8	2513.0	2085.1
-45°	2013.7	2180.4	2307.5	2399.7	2307.5	2180.4	2013.7	1795.4	1533.7	1214.8	878.2
-47.5°	889.9	917.0	928.7	925.0	928.7	917.0	889.9	853.1	803.8	746.3	685.1
-50°	683.8	699.7	707.7	707.5	707.7	699.7	683.8	665.4	645.3	623.5	599.6
-52.5°	595.1	599.2	601.6	602.7	601.6	599.2	595.1	590.0	583.6	575.4	566.4
-55°	562.2	570.6	573.8	572.9	573.8	570.6	562.2	551.5	538.4	523.2	505.9
-57.5°	483.5	493.9	500.9	504.4	500.9	493.9	483.5	470.5	455.3	437.1	416.1
-60°	376.7	382.9	386.8	388.5	386.8	382.9	376.7	367.8	355.9	340.8	323.5
-62.5°	289.3	296.4	299.9	301.3	299.9	296.4	289.3	281.0	271.4	260.6	247.1
-65°	224.7	229.9	232.7	234.0	232.7	229.9	224.7	218.5	211.5	201.4	188.8
-67.5°	165.1	167.4	168.5	168.9	168.5	167.4	165.1	161.8	157.5	150.4	140.1
-70°	123.2	126.6	128.8	130.3	128.8	126.6	123.2	119.5	115.3	109.9	102.1
-72.5°	88.9	90.6	91.9	92.7	91.9	90.6	88.9	86.8	84.3	80.7	74.9
-75°	56.3	56.9	57.3	57.4	57.3	56.9	56.3	55.5	54.4	52.7	49.4
-77.5°	36.6	37.2	38.0	38.6	38.0	37.2	36.6	35.9	35.1	34.1	31.8
-80°	23.2	23.1	23.2	23.2	23.2	23.1	23.2	23.3	23.2	23.0	21.6
-82.5°	15.4	15.4	15.5	15.5	15.5	15.4	15.4	15.3	15.2	15.0	14.3
-85°	10.9	11.0	11.0	11.0	11.0	11.0	10.9	10.9	10.8	10.8	10.2
-87.5°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.4
-90°	1.4	1.1	0.5	0.0	0.5	1.1	1.4	1.7	1.9	2.2	2.5



REPORT NUMBER: P701357 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.1	6.3	5.5	5.2	5.0	4.7	4.4	4.4	4.4	4.4	4.4
87.5°	2.8	3.0	3.3	3.6	3.9	4.1	4.4	4.4	4.4	4.4	4.4
85°	3.7	4.0	4.2	4.2	4.3	4.3	4.4	4.4	4.4	4.4	4.4
82.5°	3.9	4.1	4.4	4.4	4.4	4.4	4.4	4.5	4.6	4.6	4.5
80°	3.9	4.2	4.4	4.4	4.4	4.4	4.4	4.7	5.0	5.2	5.3
77.5°	3.9	4.2	4.4	4.5	4.6	4.6	4.6	4.7	5.0	5.3	5.5
75°	3.9	4.2	4.5	4.9	5.2	5.4	5.5	5.6	5.7	5.8	5.7
72.5°	4.9	5.2	5.4	5.7	5.9	6.2	6.4	6.5	6.6	6.6	6.4
70°	6.3	6.7	7.4	8.0	8.5	8.7	8.5	8.0	7.6	7.4	7.1
67.5°	6.9	7.5	8.7	10.0	10.9	11.5	11.5	10.8	10.1	9.5	8.2
65°	7.0	7.6	9.2	10.8	12.3	13.7	15.0	15.2	14.5	12.9	10.0
62.5°	6.8	7.6	8.7	10.1	11.9	14.8	18.3	19.8	20.1	17.7	13.5
60°	5.9	6.7	7.7	8.7	10.0	14.0	19.7	23.9	26.4	22.4	16.9
57.5°	5.3	5.7	6.5	7.4	8.5	13.3	19.7	26.7	31.3	25.2	19.7
55°	5.4	5.7	6.0	6.3	7.0	11.9	18.0	24.9	29.3	26.0	19.8
52.5°	5.5	5.8	6.1	6.4	7.4	10.4	14.7	21.3	23.7	21.2	17.9
50°	5.5	5.9	6.2	6.5	7.6	9.5	12.7	17.3	17.5	16.6	14.0
47.5°	7.3	7.0	6.5	6.7	7.5	8.7	11.0	13.0	13.6	12.8	10.9
45°	9.6	9.2	8.5	8.2	7.8	8.4	9.6	11.0	11.5	11.1	9.1
42.5°	13.4	12.7	11.3	11.4	10.3	9.6	9.6	10.6	10.7	10.4	10.2
40°	24.8	21.2	20.8	18.5	16.0	13.0	12.7	12.1	11.9	10.7	12.6
37.5°	46.8	41.6	41.3	38.4	31.3	21.8	18.6	16.5	14.7	15.7	17.2
35°	83.1	76.0	72.2	67.3	58.5	43.2	28.5	23.2	21.1	22.2	23.4
32.5°	148.7	139.3	114.2	104.8	105.8	78.1	51.1	33.5	31.8	31.2	30.2
30°	241.8	241.6	205.7	179.2	190.9	158.8	86.0	62.5	47.8	42.4	38.3
27.5°	457.7	401.4	356.1	336.0	317.2	275.2	193.7	107.2	71.7	57.6	50.9
25°	831.7	661.6	619.5	556.1	486.3	441.3	328.8	205.1	120.6	78.1	75.5
22.5°	1420.5	1238.8	1048.9	835.2	772.1	678.9	530.2	320.6	195.2	146.2	113.8
20°	2460.1	2131.5	1728.1	1593.9	1325.4	983.2	782.3	606.1	439.6	265.1	164.0
17.5°	4752.8	3808.0	3286.5	3003.7	2303.9	1588.9	1476.1	1224.3	788.1	415.1	223.9
15°	8350.0	7454.4	6432.2	5138.2	3971.7	3218.7	2672.7	2018.5	1269.3	668.2	359.8
12.5°	14151.5	12169.9	10319.7	7988.3	6561.4	5294.0	4226.3	3086.1	1949.6	1115.9	597.1
10°	20217.9	17363.7	14507.2	11562.2	9338.8	7586.9	5782.8	4058.8	2674.7	1645.3	868.8
7.5°	26943.8	22954.6	18974.8	14963.5	11889.6	9515.5	7069.7	4901.3	3344.4	2193.5	1161.0
5°	32332.9	27340.8	22493.6	17772.5	14227.4	11442.4	8379.5	5665.2	3955.3	2737.5	1457.3
2.5°	35911.9	30229.3	25486.8	20229.5	16276.4	13052.9	9582.2	6418.2	4406.2	3050.7	1579.5
0°	38449.2	32359.4	27131.8	21228.6	17250.4	13806.5	10553.6	7152.7	4751.9	3266.2	1667.9
-2.5°	37800.8	31635.7	26822.9	20896.5	16854.6	13634.8	10344.5	7523.6	5162.6	3450.8	1697.2
-5°	35229.6	29192.1	24502.4	19290.8	15494.9	12603.9	9691.7	7377.1	5257.5	3481.1	1684.2
-7.5°	31554.1	26302.8	21816.6	17280.2	13821.3	11199.1	8726.5	6690.0	4822.1	3151.2	1561.2
-10°	27270.7	22909.7	18880.3	15136.3	12213.2	9757.5	7710.3	5959.7	4330.7	2769.2	1399.1
-12.5°	23461.8	19589.3	16000.5	12945.9	10784.0	8593.3	6819.5	5260.6	3798.1	2350.4	1199.6
-15°	19566.6	16791.8	13971.2	11432.8	9360.0	7477.5	5999.0	4699.3	3320.3	1914.1	964.0
-17.5°	17158.2	14510.2	12081.4	10170.1	8161.2	6493.3	5312.6	4134.1	2808.4	1523.8	728.2
-20°	15142.3	12805.7	10740.4	8857.2	7088.6	5666.4	4692.2	3520.6	2238.1	1204.9	656.5



REPORT NUMBER: P701357 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	13057.5	11327.2	9475.6	7589.7	6076.4	4974.9	3987.1	2858.0	1613.7	859.2	580.7
-25°	11012.4	9787.1	8229.0	6684.1	5256.0	4201.4	3253.3	2159.0	1217.6	649.5	507.9
-27.5°	9200.8	8169.5	7179.4	5835.6	4642.8	3505.4	2494.6	1501.9	806.8	570.9	471.4
-30°	7564.8	6795.7	6005.3	5084.9	3955.9	2837.2	1734.3	1030.2	632.5	503.3	443.3
-32.5°	6217.8	5623.8	4952.1	4165.3	3115.4	1986.6	1191.0	673.0	539.4	472.6	433.8
-35°	5168.1	4563.1	3909.5	3048.7	2050.9	1275.8	715.3	579.5	493.9	447.9	429.5
-37.5°	4102.3	3480.6	2689.8	1870.5	1207.1	736.9	612.8	525.1	464.1	442.9	412.5
-40°	2840.1	2161.6	1557.6	954.4	728.0	625.2	551.8	490.9	463.7	428.5	388.0
-42.5°	1589.3	1070.1	783.4	693.8	613.2	562.9	515.8	488.2	451.5	404.0	351.8
-45°	798.9	717.8	643.5	602.2	556.7	529.6	509.6	467.7	420.2	365.5	311.1
-47.5°	648.4	614.1	579.0	557.4	537.0	512.1	471.5	428.2	372.4	319.6	273.5
-50°	581.3	567.2	553.0	533.8	497.0	459.5	415.8	368.7	320.2	276.3	235.0
-52.5°	554.5	529.3	501.3	470.7	431.6	389.5	347.4	310.4	271.1	233.7	198.0
-55°	486.8	457.7	424.1	388.8	353.1	319.9	286.7	255.3	225.2	192.0	163.4
-57.5°	392.6	366.7	339.6	311.4	282.4	255.4	229.5	203.8	181.6	155.7	130.0
-60°	304.5	283.6	262.8	240.9	217.8	195.3	177.8	159.6	140.5	120.6	99.8
-62.5°	230.7	211.2	195.7	181.3	165.1	148.0	133.5	119.5	104.1	87.4	74.1
-65°	175.7	162.0	148.7	135.4	121.7	107.9	95.8	84.9	74.8	64.0	52.8
-67.5°	128.7	116.3	104.7	94.7	86.3	76.6	68.0	59.3	53.0	47.4	41.0
-70°	94.3	86.4	78.7	70.3	62.2	55.2	50.1	45.6	40.6	35.3	29.8
-72.5°	69.0	63.3	57.6	51.9	46.7	41.5	36.6	32.0	27.6	23.3	19.5
-75°	45.9	42.2	38.2	34.0	29.6	25.1	22.2	20.3	18.3	16.1	13.7
-77.5°	29.5	27.1	24.8	22.5	20.2	18.0	15.9	14.2	12.9	11.6	10.4
-80°	20.1	18.7	17.2	15.9	14.6	13.3	12.1	11.1	10.0	9.1	8.4
-82.5°	13.5	12.7	11.9	11.1	10.3	9.4	8.6	8.0	7.6	7.2	6.9
-85°	9.6	9.0	8.4	7.8	7.2	6.7	6.2	6.1	6.1	6.0	6.0
-87.5°	7.1	6.8	6.5	6.2	5.9	5.6	5.3	5.3	5.2	5.2	5.2
-90°	2.8	3.0	3.3	3.6	3.9	4.1	4.4	4.4	4.4	4.4	4.4



REPORT NUMBER: P701357 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°
90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.6	4.6
85°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.6	4.8	4.9
82.5°	4.4	4.4	4.4	4.4	4.6	4.7	4.7	4.7	4.8	5.0	5.2
80°	5.2	5.0	4.9	4.7	4.8	5.0	5.1	5.2	5.1	5.2	5.3
77.5°	5.5	5.5	5.5	5.3	5.3	5.3	5.3	5.5	5.4	5.3	5.4
75°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
72.5°	6.0	5.7	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
70°	6.5	5.9	5.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
67.5°	7.2	6.6	6.0	5.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5
65°	8.5	7.3	6.5	6.0	5.6	5.5	5.5	5.5	5.5	5.5	5.5
62.5°	10.3	8.1	7.1	6.4	5.9	5.6	5.5	5.5	5.5	5.5	5.5
60°	12.5	9.4	7.7	6.9	6.2	5.6	5.5	5.5	5.5	5.5	5.5
57.5°	14.3	10.4	8.9	7.6	6.6	5.9	5.5	5.5	5.5	5.5	5.5
55°	15.1	11.2	9.9	8.6	7.3	6.3	5.7	5.5	5.5	5.5	5.5
52.5°	13.4	11.6	10.8	9.5	8.2	6.8	6.1	5.5	5.5	5.5	5.5
50°	10.5	11.0	11.0	10.1	9.0	7.6	6.5	5.8	5.5	5.5	5.6
47.5°	9.3	10.3	10.5	10.4	9.4	8.4	7.1	6.2	5.5	5.5	5.6
45°	9.5	9.9	10.3	10.1	9.7	8.8	7.6	6.6	5.8	5.6	5.7
42.5°	10.5	10.6	10.4	9.9	9.8	9.1	8.1	7.0	6.1	5.7	5.9
40°	12.7	12.0	11.1	10.9	10.0	9.4	8.4	7.3	6.4	6.0	6.0
37.5°	15.6	14.4	12.8	13.1	10.9	9.7	8.6	7.6	6.9	6.4	6.2
35°	21.5	17.7	16.6	16.5	13.8	10.2	8.9	7.8	7.4	6.8	6.4
32.5°	29.2	23.8	22.2	20.6	17.7	10.7	9.2	8.5	7.9	7.1	6.6
30°	37.4	34.5	28.6	25.1	22.2	14.3	10.2	9.3	8.4	7.5	6.9
27.5°	50.4	46.6	36.5	31.0	26.5	19.0	12.3	10.3	9.0	7.9	7.2
25°	67.9	60.0	47.9	37.7	31.1	30.1	14.8	11.4	9.7	8.4	7.5
22.5°	92.5	75.7	60.1	44.8	49.3	44.3	20.8	13.4	10.6	8.8	7.8
20°	120.9	93.5	79.0	75.3	72.1	59.9	31.3	15.7	11.5	9.3	8.1
17.5°	155.1	137.4	131.6	113.6	97.6	77.9	43.4	18.1	12.4	9.8	8.3
15°	252.5	215.2	189.7	156.4	125.1	97.7	56.7	20.8	13.4	10.3	8.5
12.5°	367.7	297.7	252.0	202.9	154.1	119.0	70.8	23.5	14.4	10.7	8.6
10°	487.1	383.6	317.4	251.7	184.2	141.2	85.3	26.5	15.7	11.0	8.7
7.5°	608.4	471.2	384.5	301.7	214.1	162.9	101.1	30.0	17.1	11.3	8.7
5°	718.6	547.3	439.4	341.8	240.7	183.2	116.6	33.4	18.5	11.6	8.8
2.5°	779.1	602.8	484.5	378.3	266.2	202.2	130.9	36.7	19.8	11.9	8.8
0°	832.3	654.6	526.5	411.7	290.3	219.7	143.5	39.7	21.0	12.1	8.8
-2.5°	832.6	646.3	524.8	421.8	302.2	226.4	149.0	48.5	26.4	15.1	9.8
-5°	824.5	634.1	520.6	428.5	311.8	231.1	152.3	56.7	31.5	17.9	10.8
-7.5°	787.6	609.9	510.0	429.9	318.6	233.8	153.7	64.2	36.2	20.5	11.7
-10°	738.3	577.6	490.6	416.5	315.8	233.1	153.3	70.7	40.3	22.8	12.5
-12.5°	681.7	543.7	471.7	401.7	309.6	229.3	150.5	75.7	43.9	24.6	13.1
-15°	617.9	508.8	454.1	386.4	301.4	224.1	146.6	79.3	46.9	26.2	13.5
-17.5°	549.8	473.6	438.8	371.0	291.2	217.4	141.7	81.8	49.0	27.5	14.1
-20°	513.6	450.5	424.7	356.2	279.2	209.5	136.1	83.0	50.3	28.3	14.9



REPORT NUMBER: P701357 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	481.8	438.5	404.1	340.6	266.6	200.5	130.0	82.8	50.6	28.6	15.4
-25°	449.2	426.9	383.7	320.2	254.4	190.9	126.2	81.1	49.9	28.2	15.6
-27.5°	431.1	412.7	363.5	298.2	237.8	181.4	123.7	80.1	48.6	27.2	15.6
-30°	419.6	390.1	338.9	275.7	219.8	166.9	119.4	77.8	47.4	26.6	15.3
-32.5°	410.9	368.5	311.6	254.6	201.8	151.4	110.5	74.0	45.3	26.2	15.2
-35°	391.7	342.0	283.5	232.2	183.4	138.6	100.0	68.7	42.3	25.4	14.9
-37.5°	369.9	311.7	257.9	209.7	164.1	124.8	90.3	61.6	38.4	24.1	14.2
-40°	335.3	281.4	232.0	187.9	147.1	110.3	79.6	54.8	35.8	22.4	13.2
-42.5°	299.3	251.6	206.9	165.3	130.3	97.5	68.4	47.6	32.6	20.7	11.9
-45°	265.2	221.4	181.2	145.7	113.0	83.7	59.9	40.4	28.9	18.8	10.7
-47.5°	230.4	192.0	156.6	124.9	96.7	70.2	50.8	35.8	24.9	16.3	10.1
-50°	197.2	163.2	132.6	105.1	79.2	59.7	42.2	30.8	21.3	13.1	9.3
-52.5°	165.4	135.8	109.6	85.2	65.7	48.6	36.1	25.6	17.5	11.4	8.5
-55°	135.0	110.1	87.4	68.7	52.6	40.2	29.5	21.0	13.4	10.2	7.6
-57.5°	107.4	85.5	68.9	53.7	42.1	32.3	23.6	16.2	11.5	9.0	7.4
-60°	81.0	66.3	52.0	42.2	33.3	25.1	18.0	12.3	10.0	7.9	7.1
-62.5°	60.9	48.9	40.6	32.6	25.3	18.6	12.8	10.7	8.6	7.6	6.9
-65°	45.6	38.0	30.3	24.2	18.1	13.2	11.0	9.1	8.0	7.3	6.7
-67.5°	34.3	28.0	21.7	16.1	13.0	10.9	9.1	8.3	7.7	7.0	6.7
-70°	24.2	18.6	14.6	12.1	10.2	8.7	8.4	7.9	7.3	6.9	6.7
-72.5°	16.4	13.4	10.7	8.8	8.5	8.2	7.9	7.5	7.1	6.8	6.6
-75°	11.2	9.8	8.8	8.2	7.9	7.7	7.4	7.1	6.8	6.6	6.4
-77.5°	9.4	8.6	7.9	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.0
-80°	7.9	7.5	7.2	6.9	6.8	6.6	6.4	6.3	6.1	5.9	5.7
-82.5°	6.6	6.5	6.4	6.3	6.2	6.0	5.9	5.8	5.7	5.5	5.4
-85°	5.9	5.8	5.7	5.7	5.6	5.5	5.4	5.3	5.2	5.2	5.1
-87.5°	5.1	5.1	5.1	5.0	5.0	4.9	4.9	4.9	4.8	4.8	4.7
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4



REPORT NUMBER: P701357 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	4.7	4.6	4.6	4.5	4.5	4.4	4.4
85°	5.0	4.9	4.8	4.7	4.6	4.4	4.4
82.5°	5.3	5.1	5.0	4.8	4.7	4.5	4.4
80°	5.5	5.3	5.2	5.0	4.8	4.5	4.4
77.5°	5.5	5.5	5.3	5.1	4.9	4.5	4.4
75°	5.5	5.5	5.5	5.3	4.9	4.5	4.4
72.5°	5.5	5.5	5.5	5.4	5.0	4.6	4.4
70°	5.5	5.5	5.5	5.5	5.1	4.6	4.4
67.5°	5.5	5.5	5.5	5.5	5.2	4.6	4.4
65°	5.5	5.5	5.5	5.5	5.2	4.6	4.4
62.5°	5.5	5.5	5.5	5.5	5.3	4.6	4.4
60°	5.5	5.5	5.5	5.5	5.4	4.6	4.4
57.5°	5.5	5.5	5.5	5.5	5.3	4.6	4.4
55°	5.5	5.5	5.5	5.5	5.3	4.7	4.4
52.5°	5.5	5.5	5.5	5.5	5.3	4.7	4.4
50°	5.5	5.5	5.5	5.5	5.3	4.7	4.4
47.5°	5.5	5.5	5.5	5.5	5.3	4.7	4.4
45°	5.6	5.5	5.5	5.5	5.3	4.7	4.4
42.5°	5.7	5.5	5.5	5.5	5.3	4.7	4.4
40°	5.8	5.5	5.5	5.5	5.3	4.7	4.4
37.5°	6.0	5.5	5.5	5.5	5.3	4.7	4.4
35°	6.1	5.6	5.5	5.5	5.3	4.7	4.4
32.5°	6.3	5.7	5.5	5.5	5.3	4.6	4.4
30°	6.5	5.8	5.5	5.5	5.4	4.6	4.4
27.5°	6.6	5.9	5.5	5.5	5.4	4.6	4.4
25°	6.8	6.1	5.5	5.5	5.4	4.6	4.4
22.5°	7.0	6.2	5.5	5.5	5.4	4.6	4.4
20°	7.3	6.3	5.5	5.5	5.4	4.6	4.4
17.5°	7.4	6.3	5.5	5.5	5.4	4.6	4.4
15°	7.5	6.4	5.5	5.5	5.4	4.5	4.4
12.5°	7.5	6.5	5.5	5.5	5.5	4.5	4.4
10°	7.6	6.5	5.5	5.5	5.5	4.5	4.4
7.5°	7.6	6.6	5.5	5.5	5.5	4.5	4.4
5°	7.7	6.6	5.5	5.5	5.5	4.4	4.4
2.5°	7.7	6.6	5.5	5.5	5.5	4.4	4.4
0°	7.7	6.6	5.5	5.5	5.5	4.4	4.4
-2.5°	7.8	6.7	5.6	5.5	5.5	4.4	4.4
-5°	8.0	6.8	5.7	5.5	5.5	4.4	4.4
-7.5°	8.1	6.9	5.8	5.5	5.5	4.5	4.4
-10°	8.2	7.0	5.9	5.5	5.5	4.5	4.4
-12.5°	8.3	7.1	5.9	5.5	5.5	4.5	4.4
-15°	8.3	7.1	6.0	5.5	5.4	4.5	4.4
-17.5°	8.4	7.2	6.0	5.5	5.4	4.6	4.4
-20°	8.7	7.2	6.1	5.5	5.4	4.6	4.4



REPORT NUMBER: P701357 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-5S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	9.2	7.2	6.1	5.5	5.4	4.6	4.4
-25°	9.5	7.3	6.1	5.5	5.4	4.6	4.4
-27.5°	9.6	7.3	6.1	5.5	5.4	4.6	4.4
-30°	9.6	7.2	6.0	5.5	5.4	4.6	4.4
-32.5°	9.3	7.1	6.0	5.5	5.3	4.6	4.4
-35°	9.1	7.0	5.9	5.5	5.3	4.7	4.4
-37.5°	8.9	6.8	5.8	5.5	5.3	4.7	4.4
-40°	8.7	6.7	5.7	5.5	5.3	4.7	4.4
-42.5°	8.3	6.6	5.7	5.5	5.3	4.7	4.4
-45°	7.9	6.5	5.7	5.5	5.3	4.7	4.4
-47.5°	7.4	6.4	5.8	5.6	5.3	4.7	4.4
-50°	7.1	6.2	5.8	5.6	5.3	4.7	4.4
-52.5°	7.0	6.1	5.8	5.6	5.3	4.7	4.4
-55°	6.8	6.1	5.9	5.6	5.3	4.7	4.4
-57.5°	6.6	6.1	5.9	5.6	5.3	4.6	4.4
-60°	6.4	6.1	5.9	5.6	5.4	4.6	4.4
-62.5°	6.4	6.2	5.9	5.6	5.3	4.6	4.4
-65°	6.5	6.2	5.8	5.6	5.2	4.6	4.4
-67.5°	6.5	6.2	5.7	5.5	5.2	4.6	4.4
-70°	6.5	6.0	5.7	5.5	5.1	4.6	4.4
-72.5°	6.3	5.9	5.6	5.4	5.0	4.6	4.4
-75°	6.1	5.7	5.5	5.3	4.9	4.5	4.4
-77.5°	5.8	5.6	5.3	5.1	4.9	4.5	4.4
-80°	5.5	5.3	5.2	5.0	4.8	4.5	4.4
-82.5°	5.3	5.1	5.0	4.8	4.7	4.5	4.4
-85°	5.0	4.9	4.8	4.7	4.6	4.4	4.4
-87.5°	4.7	4.6	4.6	4.5	4.5	4.4	4.4
-90°	4.4	4.4	4.4	4.4	4.4	4.4	4.4

(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

