

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: P701641 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-80-4S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701641 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-23)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-40-80-4S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

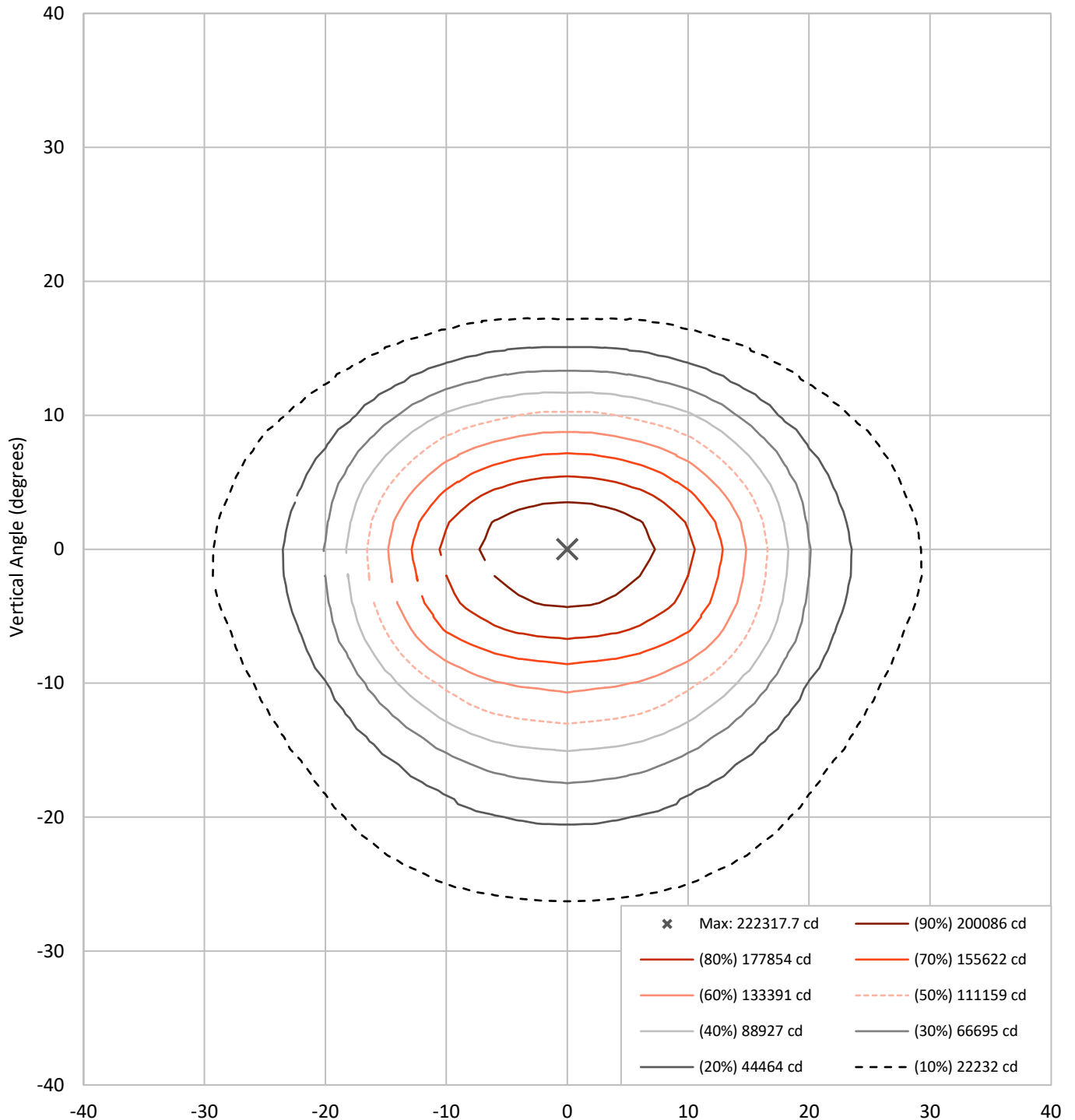
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	58688 lumens	Max Intensity:	222317.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	84.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 23.4°V	Field Angle (10%):	58.5°H x 43.2°V
Beam Lumens:	29694.2 lumens	Field Lumens:	50613.3 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%

Input Watts (W): 697.5
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-08-0680R-40-80-4S-CV5-S

Iso-Candela Plot





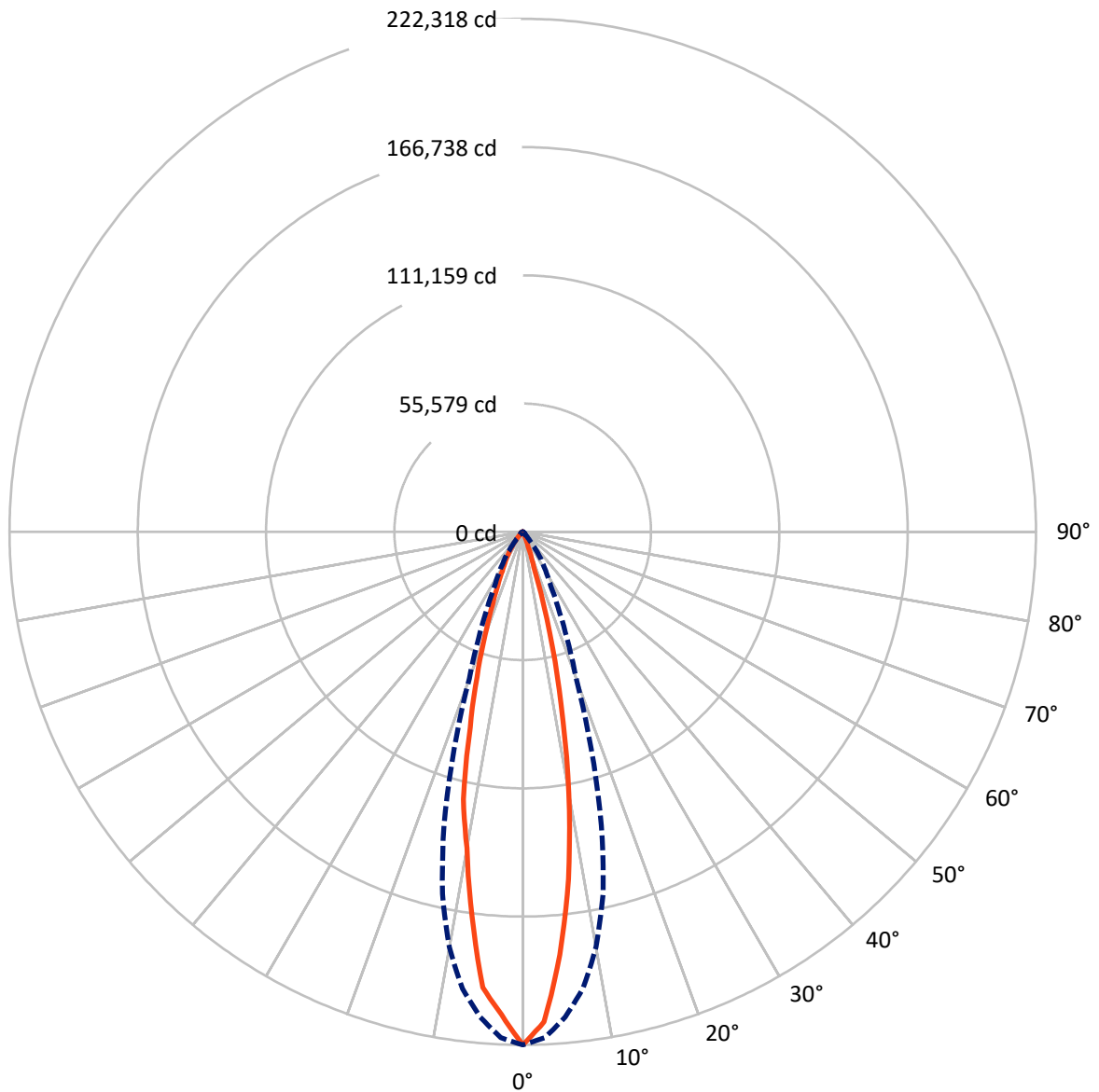
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Lumen Table

90																	
80	0.2	0.5		0.8		0.8		0.5		0.8		0.8		0.5		0.2	
70	0.2	0.1	0.2	0.5	0.7	0.5	0.3	0.3	0.3	0.3	0.5	0.7	0.5	0.2	0.1	0.2	
60		0.1	0.3	0.9	0.8	0.3	0.2	0.2	0.2	0.2	0.3	0.8	0.9	0.3	0.1		
50	0.2	0.2	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.2	0.2	
40		0.2	0.6	0.9	1.3	2.5	4.6	6.7	6.7	4.6	2.5	1.3	0.9	0.6	0.2		
30	0.3	0.4	1.6	3.3	8.8	24.5	50.7	84.2	84.2	50.7	24.5	8.8	3.3	1.6	0.4	0.3	
20		1.0	5.0	13.3	79.2	247.5	754.0	1409.3	1409.3	754.0	247.5	79.2	13.3	5.0	1.0		
10	0.4	1.8	10.2	33.4	245.8	866.1	2998.5	5102.6	5102.6	2998.5	866.1	245.8	33.4	10.2	1.8	0.4	
0		2.5	12.6	40.1	273.9	955.6	3302.7	5421.7	5421.7	3302.7	955.6	273.9	40.1	12.6	2.5		
-10	0.5	2.7	11.1	28.2	162.3	526.7	1461.6	2568.7	2568.7	1461.6	526.7	162.3	28.2	11.1	2.7	0.5	
-20		2.6	9.4	18.8	67.9	263.3	542.6	790.1	790.1	542.6	263.3	67.9	18.8	9.4	2.6		
-30	0.4	2.2	7.9	14.7	27.5	82.0	186.1	264.1	264.1	186.1	82.0	27.5	14.7	7.9	2.2	0.4	
-40		1.4	5.6	12.1	19.6	29.3	42.4	55.6	55.6	42.4	29.3	19.6	12.1	5.6	1.4		
-50	0.3	0.7	2.9	7.7	13.8	19.3	23.7	26.6	26.6	23.7	19.3	13.8	7.7	2.9	0.7	0.3	
-60		0.3	1.1	2.9	5.8	9.3	12.5	14.4	14.4	12.5	9.3	5.8	2.9	1.1	0.3		
-70	0.2	0.8		2.8		7.2		10.3		7.2		2.8		0.8		0.2	
-80		0.8		2.8		7.2		10.3		7.2		2.8		0.8			
-90																	

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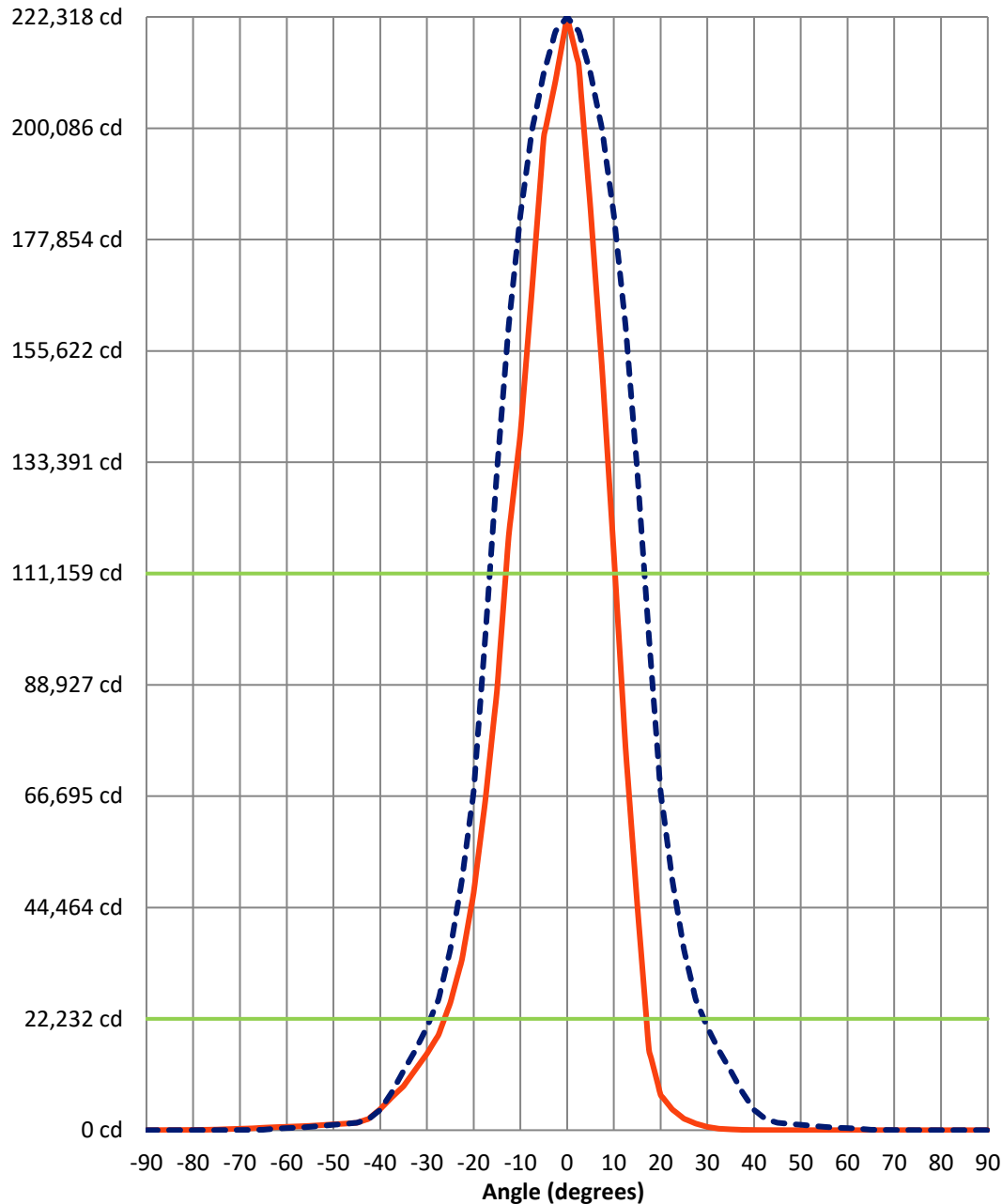
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 23.4°
 Lumens: 29694.2
 Efficiency: 50.6%

Field:
 H Angle: 58.5°
 V Angle: 43.2°
 Lumens: 50613.3
 Efficiency: 86.2%

Spill:
 Lumens: 8074.7
 Efficiency: 13.8%

- 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°	8.1	9.1	10.1	9.6	9.1	8.6	8.1	8.6	9.1	9.6	10.1
87.5°	8.1	8.2	8.3	8.4	8.4	8.5	8.6	8.6	8.4	8.3	8.1
85°	8.1	8.3	8.4	8.6	8.8	9.0	9.1	9.0	8.8	8.5	8.1
82.5°	8.1	8.4	8.6	8.9	9.1	9.4	9.6	9.5	9.2	8.8	8.7
80°	8.1	8.4	8.8	9.1	9.5	9.8	10.1	9.7	9.5	9.4	9.5
77.5°	8.1	8.5	9.0	9.4	9.8	10.1	10.1	9.9	9.8	10.0	10.1
75°	8.1	8.6	9.1	9.6	10.1	10.1	10.1	10.0	10.1	10.1	10.1
72.5°	8.1	8.7	9.3	9.9	10.1	10.1	10.1	10.1	10.1	10.1	10.1
70°	8.1	8.8	9.5	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
67.5°	8.1	8.9	9.6	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
65°	8.1	8.9	9.8	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
62.5°	8.1	9.0	9.9	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
60°	8.1	9.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
57.5°	8.1	9.2	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
55°	8.1	9.2	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
52.5°	8.1	9.3	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
50°	8.1	9.4	10.1	10.1	10.1	10.1	10.1	10.2	10.1	10.1	11.0
47.5°	8.1	9.5	10.1	10.1	10.1	10.1	10.1	10.4	10.1	10.1	11.9
45°	8.1	9.5	10.1	10.1	10.1	10.1	10.3	10.6	10.2	10.8	12.7
42.5°	8.1	9.6	10.1	10.1	10.1	10.1	10.5	10.7	10.3	11.3	13.2
40°	8.1	9.6	10.1	10.1	10.1	10.1	10.7	10.8	10.6	11.8	13.6
37.5°	8.1	9.7	10.1	10.1	10.1	10.1	11.0	11.0	11.2	12.5	14.0
35°	8.1	9.7	10.1	10.1	10.1	10.2	11.3	11.1	11.8	13.4	14.4
32.5°	8.1	9.8	10.1	10.1	10.1	10.5	11.5	11.2	12.4	14.5	15.9
30°	8.1	9.8	10.1	10.1	10.1	10.7	11.6	11.4	12.9	15.8	17.6
27.5°	8.1	9.9	10.1	10.1	10.1	10.9	11.8	11.9	13.6	17.3	19.5
25°	8.1	9.9	10.1	10.1	10.1	11.2	11.9	12.3	14.7	18.9	21.8
22.5°	8.1	9.9	10.1	10.1	10.1	11.4	12.0	12.7	15.9	20.6	26.0
20°	8.1	10.0	10.1	10.1	10.1	11.6	12.2	13.1	17.2	22.5	30.6
17.5°	8.1	10.0	10.1	10.1	10.1	11.7	12.3	13.4	18.5	24.4	35.3
15°	8.1	10.0	10.1	10.1	10.1	11.8	12.5	14.0	19.8	26.4	40.2
12.5°	8.1	10.1	10.1	10.1	10.1	11.9	12.8	15.0	21.6	28.4	45.2
10°	8.1	10.1	10.1	10.1	10.1	12.0	13.0	16.1	24.0	32.6	51.6
7.5°	8.1	10.1	10.1	10.1	10.1	12.1	13.3	17.2	26.2	37.2	61.3
5°	8.1	10.1	10.1	10.1	10.1	12.2	13.6	18.2	28.5	41.8	71.0
2.5°	8.1	10.1	10.1	10.1	10.1	12.2	13.9	19.3	30.6	46.4	80.4
0°	8.1	10.1	10.1	10.1	10.1	12.2	13.9	19.3	30.6	46.4	80.4
-2.5°	8.1	10.1	10.1	10.1	10.1	12.4	15.5	23.1	38.3	61.4	105.4
-5°	8.1	10.1	10.1	10.1	10.1	12.6	16.8	25.8	43.7	71.6	120.4
-7.5°	8.1	10.1	10.1	10.1	10.1	12.7	18.0	28.3	48.7	80.9	134.1
-10°	8.1	10.1	10.1	10.1	10.1	12.9	19.0	30.5	53.1	89.1	146.0
-12.5°	8.1	10.1	10.1	10.1	10.1	12.9	19.8	32.4	56.8	96.2	156.7
-15°	8.1	10.0	10.1	10.1	10.1	12.9	20.5	33.9	60.2	103.0	165.5
-17.5°	8.1	10.0	10.1	10.1	10.1	12.9	20.8	35.6	63.5	108.1	172.0
-20°	8.1	10.0	10.1	10.1	10.1	12.8	21.2	37.1	65.5	111.5	176.1



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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.1	10.0	10.1	10.1	10.1	12.6	21.6	38.2	66.2	113.0	177.6
-25°	8.1	10.0	10.1	10.1	10.1	12.6	21.7	38.7	65.5	112.4	176.4
-27.5°	8.1	9.9	10.1	10.1	10.1	12.6	21.4	38.6	63.3	110.5	175.4
-30°	8.1	9.9	10.1	10.1	10.1	12.4	20.6	37.9	61.9	107.9	171.6
-32.5°	8.1	9.9	10.1	10.1	10.3	12.1	19.4	37.0	61.0	103.1	164.9
-35°	8.1	9.8	10.1	10.1	10.4	11.6	18.7	35.5	59.2	96.2	155.3
-37.5°	8.1	9.8	10.1	10.1	10.6	11.2	18.1	33.4	56.5	87.1	139.9
-40°	8.1	9.8	10.1	10.1	10.7	11.4	17.2	30.5	52.9	81.3	124.5
-42.5°	8.1	9.8	10.1	10.1	10.8	11.5	16.0	27.0	48.8	74.6	108.0
-45°	8.1	9.7	10.1	10.2	10.9	11.7	14.6	23.9	44.0	66.8	91.6
-47.5°	8.1	9.7	10.1	10.2	10.9	11.9	12.9	21.9	38.2	58.2	81.9
-50°	8.1	9.7	10.1	10.2	11.0	12.0	12.8	19.5	30.8	49.8	71.3
-52.5°	8.1	9.6	10.1	10.3	11.0	12.1	13.0	16.7	25.9	40.8	59.9
-55°	8.1	9.6	10.1	10.3	11.0	12.1	13.1	14.0	22.1	31.4	49.1
-57.5°	8.1	9.6	10.1	10.3	10.9	12.0	13.3	14.2	18.3	25.9	37.8
-60°	8.1	9.5	10.1	10.3	10.9	11.9	13.4	14.3	15.2	21.6	28.3
-62.5°	8.1	9.5	10.1	10.2	10.8	11.7	13.1	14.2	15.0	17.3	23.6
-65°	8.1	9.5	10.1	10.2	10.7	11.6	12.8	14.0	14.6	15.9	18.9
-67.5°	8.1	9.4	10.1	10.2	10.6	11.3	12.5	13.5	14.2	15.1	16.7
-70°	8.1	9.4	10.1	10.1	10.4	11.1	12.1	12.9	13.6	14.2	15.4
-72.5°	8.1	9.4	10.1	10.1	10.3	10.8	11.6	12.4	12.9	13.5	14.0
-75°	8.1	9.3	10.1	10.0	10.1	10.5	11.2	11.7	12.3	12.7	13.2
-77.5°	8.1	9.3	10.1	9.9	10.0	10.2	10.7	11.1	11.6	12.0	12.4
-80°	8.1	9.3	10.1	9.9	9.8	9.9	10.2	10.5	10.9	11.2	11.5
-82.5°	8.1	9.2	10.1	9.8	9.6	9.6	9.7	9.9	10.1	10.4	10.7
-85°	8.1	9.2	10.1	9.7	9.5	9.3	9.1	9.5	9.8	10.0	10.1
-87.5°	8.1	9.1	10.1	9.7	9.3	8.9	8.6	9.0	9.4	9.8	10.1
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	9.6	9.1	8.6	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	7.6	7.1	6.6
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	7.8	7.6	7.5
82.5°	8.7	8.6	8.4	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	9.4	9.2	8.7	8.2	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	9.7	9.2	8.7	8.2	8.1	8.1	8.1	8.1	8.1	8.1	8.1
75°	9.8	9.3	8.8	8.3	8.1	8.1	8.2	8.5	8.8	8.8	8.6
72.5°	9.8	9.3	8.8	8.4	8.5	9.0	9.5	9.9	10.4	10.7	11.0
70°	9.9	9.4	9.2	9.3	9.7	10.3	11.2	12.3	13.4	14.2	15.5
67.5°	10.0	9.7	9.8	10.2	10.9	11.9	13.2	15.9	18.7	20.3	21.9
65°	10.1	10.0	10.4	11.1	12.1	14.6	17.6	20.8	25.8	28.8	30.0
62.5°	10.1	10.3	10.8	12.3	15.2	18.4	22.5	28.0	34.8	39.5	39.7
60°	10.1	10.4	12.1	15.0	18.2	22.1	27.6	35.2	45.2	52.7	47.9
57.5°	10.1	11.3	14.2	17.2	20.7	25.2	32.4	42.1	51.6	61.6	52.8
55°	10.6	12.9	15.8	18.9	22.9	27.8	35.2	43.4	53.8	56.8	46.8
52.5°	12.0	14.3	16.7	20.1	24.6	28.9	33.6	40.7	44.0	44.6	37.2
50°	13.2	15.0	17.2	21.0	25.3	28.3	29.4	33.6	33.9	30.7	26.6
47.5°	13.9	15.6	17.4	21.5	25.3	27.2	26.7	25.7	23.6	21.7	16.9
45°	14.5	16.2	18.0	21.9	25.1	25.8	23.5	18.6	19.4	17.2	16.0
42.5°	15.0	16.8	19.5	22.6	24.6	24.5	21.2	19.6	18.3	17.8	17.4
40°	15.5	17.4	21.4	24.1	24.7	24.0	24.1	23.0	19.8	21.1	21.2
37.5°	15.9	19.3	24.1	28.2	25.4	26.9	28.7	29.2	27.5	26.8	29.6
35°	16.3	21.4	29.5	34.0	31.6	32.5	36.3	37.9	38.3	38.2	40.3
32.5°	17.6	23.7	36.7	41.1	42.4	43.0	45.7	49.6	54.0	55.9	53.5
30°	20.5	30.3	44.9	49.7	55.0	62.5	60.8	63.8	73.8	77.8	81.6
27.5°	25.2	39.0	53.2	61.3	70.7	87.9	94.0	87.8	96.3	104.4	116.6
25°	30.4	60.9	62.5	74.4	95.5	121.5	138.1	145.2	126.4	140.4	173.1
22.5°	42.2	89.6	95.4	88.4	124.3	162.7	195.4	212.9	210.6	197.0	241.0
20°	63.2	118.5	133.9	136.7	164.1	209.9	260.9	290.6	318.7	367.8	496.6
17.5°	87.6	150.6	174.8	199.3	249.0	289.6	333.3	377.4	444.2	590.1	1027.2
15°	114.8	185.2	217.5	267.2	341.2	409.4	462.5	502.1	620.0	925.8	1698.8
12.5°	143.8	221.6	261.6	339.2	438.5	535.2	610.5	690.4	888.8	1490.1	2766.7
10°	173.6	259.1	306.5	413.6	538.9	665.0	762.7	882.9	1193.0	2128.9	3932.2
7.5°	206.6	299.1	352.3	488.8	640.6	796.5	916.9	1077.0	1503.5	2774.4	5105.0
5°	238.7	341.0	401.1	553.7	726.1	912.2	1060.9	1268.8	1810.7	3400.1	6244.6
2.5°	268.2	381.6	448.8	613.0	798.0	1000.0	1159.2	1383.6	2023.3	3811.2	7083.5
0°	294.1	419.9	495.0	667.4	864.2	1081.2	1251.6	1489.0	2194.9	4059.2	7584.9
-2.5°	304.0	434.7	514.0	681.2	873.4	1095.0	1268.6	1498.2	2247.6	4159.8	7658.8
-5°	309.6	446.0	530.6	690.2	876.6	1100.4	1278.7	1498.0	2234.5	4072.7	7298.7
-7.5°	311.5	453.7	544.7	691.4	860.0	1065.0	1228.7	1419.4	2058.4	3712.6	6522.6
-10°	309.7	452.5	540.5	665.9	817.1	1002.9	1161.6	1333.5	1855.3	3261.0	5659.4
-12.5°	304.0	444.2	532.4	638.9	772.6	936.3	1091.3	1242.0	1629.8	2723.3	4770.5
-15°	296.4	434.4	523.9	611.6	727.8	866.3	1018.7	1145.9	1395.2	2149.7	3888.1
-17.5°	287.3	423.6	515.5	584.7	684.0	793.8	947.7	1065.7	1222.1	1784.0	3178.1
-20°	277.3	412.1	507.5	559.1	643.2	738.8	879.4	999.2	1131.5	1495.7	2416.7



REPORT NUMBER: P701641 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	266.9	400.3	495.9	544.9	616.3	700.9	810.7	929.0	1039.5	1177.5	1770.3
-25°	261.7	383.0	478.7	535.2	591.3	664.1	744.3	855.2	954.0	1086.5	1428.6
-27.5°	259.2	366.8	458.3	524.3	566.8	630.5	696.9	782.6	895.6	1012.8	1136.8
-30°	253.1	342.7	437.4	509.2	551.3	603.1	658.8	731.5	839.5	947.7	1057.2
-32.5°	238.3	317.1	410.5	485.0	537.1	577.3	631.4	698.1	784.9	884.2	982.6
-35°	219.0	294.7	379.9	460.8	520.9	559.9	609.0	666.3	734.2	823.3	928.4
-37.5°	199.9	269.9	348.1	431.8	494.6	546.2	585.3	637.4	696.3	767.0	870.4
-40°	178.4	242.6	317.4	396.0	469.5	526.1	569.7	609.1	660.0	729.4	803.4
-42.5°	155.4	216.5	285.1	358.6	431.8	496.6	551.9	589.0	632.3	692.3	759.9
-45°	136.0	188.1	250.8	318.5	387.3	458.7	517.6	571.6	611.1	656.7	716.8
-47.5°	115.3	159.5	216.5	275.8	340.6	407.5	476.4	533.6	589.3	630.9	673.4
-50°	96.0	135.6	179.4	234.4	291.7	353.9	418.0	486.0	544.4	598.2	644.5
-52.5°	83.0	110.5	149.2	192.7	244.1	298.2	358.2	420.5	484.8	546.0	594.2
-55°	68.9	92.2	119.6	156.4	197.8	245.4	297.0	354.3	411.0	470.9	525.9
-57.5°	55.3	75.3	96.6	122.5	157.3	194.6	240.1	287.8	339.7	391.0	434.7
-60°	41.8	59.2	78.2	97.4	118.8	151.3	184.5	224.6	268.7	311.3	349.7
-62.5°	29.4	43.7	60.2	77.5	94.8	111.7	138.2	168.2	198.3	234.3	267.9
-65°	24.5	30.5	42.6	57.9	73.5	89.1	104.3	119.1	144.1	169.5	193.1
-67.5°	19.4	24.8	30.4	37.9	51.7	65.7	80.1	93.7	106.8	119.6	134.5
-70°	17.2	19.4	23.8	28.9	34.1	41.1	53.3	65.9	79.0	92.0	103.4
-72.5°	15.6	17.6	19.7	21.7	25.9	30.3	34.6	38.8	46.9	58.2	69.6
-75°	14.2	15.8	17.7	19.6	21.3	23.1	25.4	29.1	32.8	36.6	40.5
-77.5°	13.0	14.0	15.4	17.2	18.8	20.1	21.6	23.3	25.0	26.9	28.8
-80°	11.9	12.2	12.9	13.9	15.2	16.6	17.9	19.1	20.3	21.6	23.0
-82.5°	10.9	11.1	11.4	11.6	12.2	12.9	13.8	14.9	15.6	16.3	17.1
-85°	10.1	10.1	10.3	10.4	10.7	11.0	11.4	11.8	12.0	12.3	12.5
-87.5°	9.8	9.6	9.4	9.2	9.3	9.4	9.5	9.5	9.6	9.6	9.7
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	7.6	7.1	6.6



REPORT NUMBER: P701641 (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°	8.1	9.1	10.1	11.2	12.2	13.2	14.2	15.2	16.2	17.2	18.3
87.5°	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.6	4.1	3.6	3.1
85°	7.4	7.1	6.8	6.5	6.1	5.6	5.1	4.6	4.1	3.6	3.1
82.5°	8.1	7.6	7.1	6.6	6.1	5.6	5.1	4.6	4.1	3.6	3.1
80°	8.1	7.7	7.2	6.7	6.2	5.7	5.2	4.7	4.1	3.6	3.1
77.5°	8.1	7.7	7.2	6.7	6.2	5.7	5.2	4.7	4.2	4.0	4.0
75°	8.3	7.9	7.9	7.6	7.2	6.8	6.5	6.1	5.8	5.5	5.1
72.5°	11.2	11.2	10.9	10.6	10.0	9.5	9.1	8.6	7.9	7.4	7.0
70°	16.7	17.3	16.8	15.7	13.9	12.4	11.6	10.8	9.9	9.1	8.2
67.5°	23.1	23.1	21.5	19.3	16.5	13.9	12.8	11.7	10.6	10.0	9.9
65°	29.9	28.0	25.1	21.7	17.8	14.0	12.9	11.8	10.7	10.1	10.1
62.5°	37.5	31.2	25.2	20.7	17.1	14.0	12.5	11.1	9.7	8.7	8.5
60°	40.3	29.8	21.5	17.9	14.9	12.5	11.0	9.7	8.7	8.1	8.1
57.5°	39.0	26.7	17.4	14.4	12.2	10.6	9.5	8.5	7.6	6.8	6.5
55°	33.3	21.8	13.1	11.2	10.0	8.9	7.9	7.3	6.7	6.1	6.1
52.5°	24.4	16.7	11.7	9.8	9.2	8.6	8.0	7.8	7.6	7.4	7.2
50°	17.9	12.9	11.1	9.9	9.6	9.5	9.8	9.8	9.7	9.4	9.1
47.5°	14.5	12.6	11.4	10.2	10.5	11.4	11.9	11.9	11.7	11.5	11.2
45°	14.1	13.0	12.4	13.0	13.7	14.3	14.3	13.9	14.6	14.8	14.5
42.5°	15.5	15.7	16.9	17.9	17.2	18.4	19.6	19.5	20.5	21.1	21.1
40°	21.8	21.3	24.5	25.4	25.8	27.0	30.5	30.1	31.6	35.9	36.7
37.5°	31.4	33.1	35.2	37.2	42.5	46.0	52.8	58.2	61.1	69.3	75.6
35°	44.2	48.6	49.9	60.6	71.6	82.1	91.6	103.0	107.9	126.0	138.5
32.5°	62.6	71.7	84.0	101.8	122.8	147.8	146.7	184.7	198.5	235.6	278.2
30°	87.6	113.1	153.6	181.6	233.3	273.8	294.4	353.8	433.5	509.7	613.5
27.5°	142.4	196.1	269.3	366.0	416.4	477.6	570.0	641.0	823.1	997.1	1124.8
25°	244.9	357.5	495.8	638.6	728.0	808.2	977.3	1101.3	1359.4	1553.3	1829.8
22.5°	468.3	708.9	884.0	990.0	1181.9	1432.7	1554.5	1895.6	2278.4	2767.2	3171.2
20°	789.2	1167.7	1557.9	1796.3	2015.3	2569.1	2811.9	3450.7	4264.5	5184.3	5951.1
17.5°	1544.3	1890.1	2684.5	3458.6	4040.8	4587.6	6122.4	7218.7	9346.6	11950.9	13152.1
15°	2771.1	3737.7	4664.7	6068.7	7554.5	9207.6	11616.0	15774.1	20996.7	26691.5	32851.2
12.5°	4492.4	6256.9	7915.1	9682.4	11809.5	15871.4	21362.6	28624.9	38008.8	48076.9	59701.9
10°	6426.1	9111.5	11533.5	14201.8	17978.7	24013.2	32152.3	43355.5	60066.7	77148.7	91965.8
7.5°	8157.8	11410.2	14695.4	18557.5	24544.5	33163.0	44872.8	62364.9	84188.2	105327.4	123351.9
5°	9817.3	13616.7	17361.2	21964.4	29509.9	40757.9	55912.5	79909.9	107498.3	130953.9	150707.9
2.5°	11110.3	15343.2	19628.4	25042.2	33650.8	46448.6	63661.3	92706.8	126004.8	152018.2	174605.7
0°	11851.0	15910.3	20561.8	26170.9	36076.5	50017.0	67669.8	98597.8	131759.2	160667.7	182741.8
-2.5°	11706.0	15959.5	20715.0	26389.3	35778.3	49162.4	66564.2	96067.2	129073.0	155133.7	176523.1
-5°	10967.0	14858.6	19051.2	24029.5	32314.2	44509.7	61595.9	89320.7	119951.9	146018.8	167757.9
-7.5°	9814.6	13256.0	16905.8	21238.8	28245.3	38857.2	53543.9	75131.1	102270.5	125879.0	142172.8
-10°	8556.9	11584.9	14878.6	18799.8	24326.0	32645.1	43773.1	59367.1	81563.8	101236.1	116349.9
-12.5°	7364.3	10117.2	12982.3	16256.6	20439.4	26991.8	35449.3	47091.6	61400.0	77570.9	93008.7
-15°	6220.7	8638.1	11138.3	14169.2	17806.8	22252.4	27938.1	35771.2	45171.7	55770.4	67203.7
-17.5°	5131.9	7254.6	9606.9	12253.4	15259.4	18655.8	23424.2	28795.6	34763.4	41669.2	48216.6
-20°	4026.2	5987.5	8122.0	10478.0	13175.0	16271.2	19664.3	23699.0	28016.5	32734.8	37632.7



REPORT NUMBER: P701641 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3072.9	4744.1	6611.7	8756.6	11288.7	14018.0	16649.8	19298.1	22492.4	25604.2	28729.5
-25°	2151.8	3477.1	5221.0	7271.3	9421.2	11702.3	13655.7	15522.4	17740.6	19735.6	21813.1
-27.5°	1582.6	2493.1	3935.2	5753.8	7681.9	9246.5	10891.0	12422.1	14028.4	15294.6	16758.0
-30°	1206.8	1731.1	2802.7	4221.2	5768.2	7131.5	8400.7	9787.2	11107.9	12207.2	13127.2
-32.5°	1100.6	1300.4	1842.9	2831.0	3949.2	5159.0	6257.1	7464.0	8571.8	9486.1	10218.5
-35°	1034.4	1142.7	1300.9	1799.7	2455.3	3410.4	4326.8	5315.2	6233.5	6987.7	7594.1
-37.5°	977.8	1072.9	1166.2	1260.0	1621.1	2023.9	2685.3	3400.7	4021.1	4710.7	5249.1
-40°	907.6	1014.3	1089.8	1166.8	1253.6	1354.3	1703.3	2016.7	2367.4	2854.4	3257.4
-42.5°	830.6	920.7	1014.6	1090.1	1156.9	1228.1	1307.1	1385.4	1546.8	1751.5	1918.1
-45°	780.1	839.4	907.6	993.3	1071.4	1130.7	1189.4	1246.4	1300.2	1348.7	1389.2
-47.5°	725.6	776.0	831.3	890.2	948.0	1013.9	1075.7	1127.3	1168.1	1207.2	1242.0
-50°	677.1	714.3	761.1	806.8	852.4	899.2	945.3	985.1	1024.6	1060.2	1094.9
-52.5°	637.9	669.2	700.0	730.6	767.6	803.7	837.9	868.5	896.5	920.8	946.4
-55°	571.8	611.3	650.6	677.9	701.3	723.9	746.3	771.7	794.0	813.0	831.0
-57.5°	482.1	529.9	573.6	605.6	635.9	664.4	684.2	698.8	712.9	726.3	738.5
-60°	386.9	422.8	464.6	505.7	543.5	577.8	600.0	618.8	634.7	648.1	659.9
-62.5°	299.0	329.7	363.9	397.0	427.5	457.7	487.1	512.7	534.6	553.2	568.6
-65°	217.8	244.6	273.7	301.8	328.7	355.2	379.6	401.7	421.7	439.6	456.2
-67.5°	155.0	174.7	195.8	214.8	236.2	259.5	282.4	303.0	321.3	335.7	346.5
-70°	114.1	125.2	139.1	155.4	173.1	189.8	206.3	222.2	237.3	250.3	261.9
-72.5°	81.1	92.6	103.6	113.9	124.9	135.8	147.1	158.7	170.7	180.6	189.3
-75°	44.5	50.2	59.5	68.6	77.4	85.8	93.2	99.8	105.5	110.2	114.3
-77.5°	31.5	35.3	39.2	43.0	46.6	51.1	55.7	60.4	65.0	68.7	72.1
-80°	24.4	26.5	28.8	31.2	33.7	36.7	39.9	43.1	46.3	48.5	50.6
-82.5°	17.9	19.4	21.0	22.5	24.0	26.0	27.9	29.7	31.6	32.9	34.1
-85°	12.7	13.7	14.8	16.0	17.1	18.8	20.5	22.2	23.9	25.0	26.1
-87.5°	9.7	10.4	11.0	11.6	12.2	13.7	15.2	16.7	18.2	18.8	19.3
-90°	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.6	4.1	3.6	3.1



REPORT NUMBER: P701641 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	19.3	20.3	20.3	20.3	20.3	20.3	19.3	18.3	17.2	16.2	15.2
87.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.6
85°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.6
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.6
80°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.7
77.5°	4.0	4.1	3.1	2.0	3.1	4.1	4.0	4.0	4.0	4.2	4.7
75°	4.6	4.1	3.1	2.0	3.1	4.1	4.6	5.1	5.5	5.8	6.1
72.5°	6.5	6.1	6.1	6.1	6.1	6.1	6.5	7.0	7.4	7.9	8.6
70°	7.2	6.2	6.1	6.1	6.1	6.2	7.2	8.2	9.1	9.9	10.8
67.5°	9.9	10.0	10.1	10.1	10.1	10.0	9.9	9.9	10.0	10.6	11.7
65°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.7	11.8
62.5°	8.3	8.2	8.1	8.1	8.1	8.2	8.3	8.5	8.7	9.7	11.1
60°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.7	9.7
57.5°	6.3	6.2	6.1	6.1	6.1	6.2	6.3	6.5	6.8	7.6	8.5
55°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.7	7.3
52.5°	6.9	6.3	6.1	6.1	6.1	6.3	6.9	7.2	7.4	7.6	7.8
50°	8.7	8.3	8.1	8.1	8.1	8.3	8.7	9.1	9.4	9.7	9.8
47.5°	10.8	10.3	10.1	10.1	10.1	10.3	10.8	11.2	11.5	11.7	11.9
45°	13.8	12.8	12.2	12.2	12.2	12.8	13.8	14.5	14.8	14.6	13.9
42.5°	21.0	20.5	20.1	20.3	20.1	20.5	21.0	21.1	21.1	20.5	19.5
40°	38.5	39.6	40.1	40.6	40.1	39.6	38.5	36.7	35.9	31.6	30.1
37.5°	79.1	77.6	74.1	75.1	74.1	77.6	79.1	75.6	69.3	61.1	58.2
35°	146.8	155.6	161.8	166.3	161.8	155.6	146.8	138.5	126.0	107.9	103.0
32.5°	294.0	306.1	302.6	296.2	302.6	306.1	294.0	278.2	235.6	198.5	184.7
30°	674.8	710.1	700.6	659.3	700.6	710.1	674.8	613.5	509.7	433.5	353.8
27.5°	1216.6	1301.7	1357.2	1328.7	1357.2	1301.7	1216.6	1124.8	997.1	823.1	641.0
25°	2068.4	2233.6	2352.0	2302.5	2352.0	2233.6	2068.4	1829.8	1553.3	1359.4	1101.3
22.5°	3677.7	3949.2	4110.4	4152.5	4110.4	3949.2	3677.7	3171.2	2767.2	2278.4	1895.6
20°	6915.5	7131.9	7174.8	7067.6	7174.8	7131.9	6915.5	5951.1	5184.3	4264.5	3450.7
17.5°	16639.5	17638.8	16906.2	16137.5	16906.2	17638.8	16639.5	13152.1	11950.9	9346.6	7218.7
15°	38063.5	42284.0	44688.3	45178.8	44688.3	42284.0	38063.5	32851.2	26691.5	20996.7	15774.1
12.5°	67070.1	73871.6	76678.4	76416.2	76678.4	73871.6	67070.1	59701.9	48076.9	38008.8	28624.9
10°	101470.4	108741.9	114998.5	115061.8	114998.5	108741.9	101470.4	91965.8	77148.7	60066.7	43355.5
7.5°	135862.6	144248.6	150134.7	151813.9	150134.7	144248.6	135862.6	123351.9	105327.4	84188.2	62364.9
5°	165971.0	176353.3	182196.8	183981.3	182196.8	176353.3	165971.0	150707.9	130953.9	107498.3	79909.9
2.5°	192442.1	205161.0	211570.0	212566.3	211570.0	205161.0	192442.1	174605.7	152018.2	126004.8	92706.8
0°	199725.3	211063.0	219363.1	222317.7	219363.1	211063.0	199725.3	182741.8	160667.7	131759.2	98597.8
-2.5°	192545.2	202464.4	207411.3	209474.6	207411.3	202464.4	192545.2	176523.1	155133.7	129073.0	96067.2
-5°	181195.7	190452.6	196752.8	198211.9	196752.8	190452.6	181195.7	167757.9	146018.8	119951.9	89320.7
-7.5°	152919.3	162030.9	164861.6	168071.0	164861.6	162030.9	152919.3	142172.8	125879.0	102270.5	75131.1
-10°	127767.1	134855.2	136804.7	139078.4	136804.7	134855.2	127767.1	116349.9	101236.1	81563.8	59367.1
-12.5°	105716.3	112737.3	115915.8	118636.2	115915.8	112737.3	105716.3	93008.7	77570.9	61400.0	47091.6
-15°	77451.5	84050.5	86329.9	87801.6	86329.9	84050.5	77451.5	67203.7	55770.4	45171.7	35771.2
-17.5°	56104.5	61130.3	64116.7	65848.2	64116.7	61130.3	56104.5	48216.6	41669.2	34763.4	28795.6
-20°	41938.0	44818.0	47131.5	47385.9	47131.5	44818.0	41938.0	37632.7	32734.8	28016.5	23699.0



REPORT NUMBER: P701641 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	31347.9	33063.4	34128.4	34064.1	34128.4	33063.4	31347.9	28729.5	25604.2	22492.4	19298.1
-25°	23397.5	24550.9	25284.5	25416.3	25284.5	24550.9	23397.5	21813.1	19735.6	17740.6	15522.4
-27.5°	17805.5	18617.6	19038.3	19060.7	19038.3	18617.6	17805.5	16758.0	15294.6	14028.4	12422.1
-30°	13794.9	14471.2	14919.8	15263.1	14919.8	14471.2	13794.9	13127.2	12207.2	11107.9	9787.2
-32.5°	10833.9	11411.2	11802.6	12035.6	11802.6	11411.2	10833.9	10218.5	9486.1	8571.8	7464.0
-35°	8122.2	8584.5	8861.2	8791.9	8861.2	8584.5	8122.2	7594.1	6987.7	6233.5	5315.2
-37.5°	5723.4	6115.3	6394.1	6570.6	6394.1	6115.3	5723.4	5249.1	4710.7	4021.1	3400.7
-40°	3606.3	3877.4	4070.2	4193.1	4070.2	3877.4	3606.3	3257.4	2854.4	2367.4	2016.7
-42.5°	2053.8	2155.2	2223.4	2259.9	2223.4	2155.2	2053.8	1918.1	1751.5	1546.8	1385.4
-45°	1420.5	1445.8	1464.1	1474.8	1464.1	1445.8	1420.5	1389.2	1348.7	1300.2	1246.4
-47.5°	1269.4	1290.1	1303.6	1310.5	1303.6	1290.1	1269.4	1242.0	1207.2	1168.1	1127.3
-50°	1126.1	1151.6	1166.9	1172.5	1166.9	1151.6	1126.1	1094.9	1060.2	1024.6	985.1
-52.5°	970.4	991.0	1004.9	1012.3	1004.9	991.0	970.4	946.4	920.8	896.5	868.5
-55°	846.7	859.8	866.6	868.2	866.6	859.8	846.7	831.0	813.0	794.0	771.7
-57.5°	748.9	757.4	764.1	768.8	764.1	757.4	748.9	738.5	726.3	712.9	698.8
-60°	669.4	676.7	680.5	681.6	680.5	676.7	669.4	659.9	648.1	634.7	618.8
-62.5°	580.4	589.1	595.9	600.5	595.9	589.1	580.4	568.6	553.2	534.6	512.7
-65°	471.3	484.5	491.4	495.0	491.4	484.5	471.3	456.2	439.6	421.7	401.7
-67.5°	355.1	361.8	363.5	363.1	363.5	361.8	355.1	346.5	335.7	321.3	303.0
-70°	272.7	282.7	286.4	288.1	286.4	282.7	272.7	261.9	250.3	237.3	222.2
-72.5°	197.2	204.2	208.3	211.0	208.3	204.2	197.2	189.3	180.6	170.7	158.7
-75°	117.7	120.6	122.4	123.7	122.4	120.6	117.7	114.3	110.2	105.5	99.8
-77.5°	75.4	78.5	80.0	81.1	80.0	78.5	75.4	72.1	68.7	65.0	60.4
-80°	52.6	54.5	54.7	54.8	54.7	54.5	52.6	50.6	48.5	46.3	43.1
-82.5°	35.3	36.4	36.5	36.5	36.5	36.4	35.3	34.1	32.9	31.6	29.7
-85°	27.2	28.3	28.4	28.4	28.4	28.3	27.2	26.1	25.0	23.9	22.2
-87.5°	19.8	20.3	21.3	22.3	21.3	20.3	19.8	19.3	18.8	18.2	16.7
-90°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.1	3.6	4.1	4.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	14.2	13.2	12.2	11.2	10.1	9.1	8.1	8.1	8.1	8.1	8.1
87.5°	5.1	5.6	6.1	6.1	6.1	6.1	6.1	6.6	7.1	7.6	8.1
85°	5.1	5.6	6.1	6.5	6.8	7.1	7.4	7.5	7.6	7.8	8.1
82.5°	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.1	8.1	8.1	8.1
80°	5.2	5.7	6.2	6.7	7.2	7.7	8.1	8.1	8.1	8.1	8.1
77.5°	5.2	5.7	6.2	6.7	7.2	7.7	8.1	8.1	8.1	8.1	8.1
75°	6.5	6.8	7.2	7.6	7.9	7.9	8.3	8.6	8.8	8.8	8.5
72.5°	9.1	9.5	10.0	10.6	10.9	11.2	11.2	11.0	10.7	10.4	9.9
70°	11.6	12.4	13.9	15.7	16.8	17.3	16.7	15.5	14.2	13.4	12.3
67.5°	12.8	13.9	16.5	19.3	21.5	23.1	23.1	21.9	20.3	18.7	15.9
65°	12.9	14.0	17.8	21.7	25.1	28.0	29.9	30.0	28.8	25.8	20.8
62.5°	12.5	14.0	17.1	20.7	25.2	31.2	37.5	39.7	39.5	34.8	28.0
60°	11.0	12.5	14.9	17.9	21.5	29.8	40.3	47.9	52.7	45.2	35.2
57.5°	9.5	10.6	12.2	14.4	17.4	26.7	39.0	52.8	61.6	51.6	42.1
55°	7.9	8.9	10.0	11.2	13.1	21.8	33.3	46.8	56.8	53.8	43.4
52.5°	8.0	8.6	9.2	9.8	11.7	16.7	24.4	37.2	44.6	44.0	40.7
50°	9.8	9.5	9.6	9.9	11.1	12.9	17.9	26.6	30.7	33.9	33.6
47.5°	11.9	11.4	10.5	10.2	11.4	12.6	14.5	16.9	21.7	23.6	25.7
45°	14.3	14.3	13.7	13.0	12.4	13.0	14.1	16.0	17.2	19.4	18.6
42.5°	19.6	18.4	17.2	17.9	16.9	15.7	15.5	17.4	17.8	18.3	19.6
40°	30.5	27.0	25.8	25.4	24.5	21.3	21.8	21.2	21.1	19.8	23.0
37.5°	52.8	46.0	42.5	37.2	35.2	33.1	31.4	29.6	26.8	27.5	29.2
35°	91.6	82.1	71.6	60.6	49.9	48.6	44.2	40.3	38.2	38.3	37.9
32.5°	146.7	147.8	122.8	101.8	84.0	71.7	62.6	53.5	55.9	54.0	49.6
30°	294.4	273.8	233.3	181.6	153.6	113.1	87.6	81.6	77.8	73.8	63.8
27.5°	570.0	477.6	416.4	366.0	269.3	196.1	142.4	116.6	104.4	96.3	87.8
25°	977.3	808.2	728.0	638.6	495.8	357.5	244.9	173.1	140.4	126.4	145.2
22.5°	1554.5	1432.7	1181.9	990.0	884.0	708.9	468.3	241.0	197.0	210.6	212.9
20°	2811.9	2569.1	2015.3	1796.3	1557.9	1167.7	789.2	496.6	367.8	318.7	290.6
17.5°	6122.4	4587.6	4040.8	3458.6	2684.5	1890.1	1544.3	1027.2	590.1	444.2	377.4
15°	11616.0	9207.6	7554.5	6068.7	4664.7	3737.7	2771.1	1698.8	925.8	620.0	502.1
12.5°	21362.6	15871.4	11809.5	9682.4	7915.1	6256.9	4492.4	2766.7	1490.1	888.8	690.4
10°	32152.3	24013.2	17978.7	14201.8	11533.5	9111.5	6426.1	3932.2	2128.9	1193.0	882.9
7.5°	44872.8	33163.0	24544.5	18557.5	14695.4	11410.2	8157.8	5105.0	2774.4	1503.5	1077.0
5°	55912.5	40757.9	29509.9	21964.4	17361.2	13616.7	9817.3	6244.6	3400.1	1810.7	1268.8
2.5°	63661.3	46448.6	33650.8	25042.2	19628.4	15343.2	11110.3	7083.5	3811.2	2023.3	1383.6
0°	67669.8	50017.0	36076.5	26170.9	20561.8	15910.3	11851.0	7584.9	4059.2	2194.9	1489.0
-2.5°	66564.2	49162.4	35778.3	26389.3	20715.0	15959.5	11706.0	7658.8	4159.8	2247.6	1498.2
-5°	61595.9	44509.7	32314.2	24029.5	19051.2	14858.6	10967.0	7298.7	4072.7	2234.5	1498.0
-7.5°	53543.9	38857.2	28245.3	21238.8	16905.8	13256.0	9814.6	6522.6	3712.6	2058.4	1419.4
-10°	43773.1	32645.1	24326.0	18799.8	14878.6	11584.9	8556.9	5659.4	3261.0	1855.3	1333.5
-12.5°	35449.3	26991.8	20439.4	16256.6	12982.3	10117.2	7364.3	4770.5	2723.3	1629.8	1242.0
-15°	27938.1	22252.4	17806.8	14169.2	11138.3	8638.1	6220.7	3888.1	2149.7	1395.2	1145.9
-17.5°	23424.2	18655.8	15259.4	12253.4	9606.9	7254.6	5131.9	3178.1	1784.0	1222.1	1065.7
-20°	19664.3	16271.2	13175.0	10478.0	8122.0	5987.5	4026.2	2416.7	1495.7	1131.5	999.2



REPORT NUMBER: P701641 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16649.8	14018.0	11288.7	8756.6	6611.7	4744.1	3072.9	1770.3	1177.5	1039.5	929.0
-25°	13655.7	11702.3	9421.2	7271.3	5221.0	3477.1	2151.8	1428.6	1086.5	954.0	855.2
-27.5°	10891.0	9246.5	7681.9	5753.8	3935.2	2493.1	1582.6	1136.8	1012.8	895.6	782.6
-30°	8400.7	7131.5	5768.2	4221.2	2802.7	1731.1	1206.8	1057.2	947.7	839.5	731.5
-32.5°	6257.1	5159.0	3949.2	2831.0	1842.9	1300.4	1100.6	982.6	884.2	784.9	698.1
-35°	4326.8	3410.4	2455.3	1799.7	1300.9	1142.7	1034.4	928.4	823.3	734.2	666.3
-37.5°	2685.3	2023.9	1621.1	1260.0	1166.2	1072.9	977.8	870.4	767.0	696.3	637.4
-40°	1703.3	1354.3	1253.6	1166.8	1089.8	1014.3	907.6	803.4	729.4	660.0	609.1
-42.5°	1307.1	1228.1	1156.9	1090.1	1014.6	920.7	830.6	759.9	692.3	632.3	589.0
-45°	1189.4	1130.7	1071.4	993.3	907.6	839.4	780.1	716.8	656.7	611.1	571.6
-47.5°	1075.7	1013.9	948.0	890.2	831.3	776.0	725.6	673.4	630.9	589.3	533.6
-50°	945.3	899.2	852.4	806.8	761.1	714.3	677.1	644.5	598.2	544.4	486.0
-52.5°	837.9	803.7	767.6	730.6	700.0	669.2	637.9	594.2	546.0	484.8	420.5
-55°	746.3	723.9	701.3	677.9	650.6	611.3	571.8	525.9	470.9	411.0	354.3
-57.5°	684.2	664.4	635.9	605.6	573.6	529.9	482.1	434.7	391.0	339.7	287.8
-60°	600.0	577.8	543.5	505.7	464.6	422.8	386.9	349.7	311.3	268.7	224.6
-62.5°	487.1	457.7	427.5	397.0	363.9	329.7	299.0	267.9	234.3	198.3	168.2
-65°	379.6	355.2	328.7	301.8	273.7	244.6	217.8	193.1	169.5	144.1	119.1
-67.5°	282.4	259.5	236.2	214.8	195.8	174.7	155.0	134.5	119.6	106.8	93.7
-70°	206.3	189.8	173.1	155.4	139.1	125.2	114.1	103.4	92.0	79.0	65.9
-72.5°	147.1	135.8	124.9	113.9	103.6	92.6	81.1	69.6	58.2	46.9	38.8
-75°	93.2	85.8	77.4	68.6	59.5	50.2	44.5	40.5	36.6	32.8	29.1
-77.5°	55.7	51.1	46.6	43.0	39.2	35.3	31.5	28.8	26.9	25.0	23.3
-80°	39.9	36.7	33.7	31.2	28.8	26.5	24.4	23.0	21.6	20.3	19.1
-82.5°	27.9	26.0	24.0	22.5	21.0	19.4	17.9	17.1	16.3	15.6	14.9
-85°	20.5	18.8	17.1	16.0	14.8	13.7	12.7	12.5	12.3	12.0	11.8
-87.5°	15.2	13.7	12.2	11.6	11.0	10.4	9.7	9.7	9.6	9.6	9.5
-90°	5.1	5.6	6.1	6.1	6.1	6.1	6.1	6.6	7.1	7.6	8.1



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.1	8.1	8.1	8.1	8.6	9.1	9.6	10.1	9.6	9.1	8.6
87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.3	8.4	8.6
85°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.5	8.8	9.0
82.5°	8.1	8.1	8.1	8.1	8.4	8.6	8.7	8.7	8.8	9.2	9.5
80°	8.1	8.1	8.1	8.2	8.7	9.2	9.4	9.5	9.4	9.5	9.7
77.5°	8.1	8.1	8.1	8.2	8.7	9.2	9.7	10.1	10.0	9.8	9.9
75°	8.2	8.1	8.1	8.3	8.8	9.3	9.8	10.1	10.1	10.1	10.0
72.5°	9.5	9.0	8.5	8.4	8.8	9.3	9.8	10.1	10.1	10.1	10.1
70°	11.2	10.3	9.7	9.3	9.2	9.4	9.9	10.1	10.1	10.1	10.1
67.5°	13.2	11.9	10.9	10.2	9.8	9.7	10.0	10.1	10.1	10.1	10.1
65°	17.6	14.6	12.1	11.1	10.4	10.0	10.1	10.1	10.1	10.1	10.1
62.5°	22.5	18.4	15.2	12.3	10.8	10.3	10.1	10.1	10.1	10.1	10.1
60°	27.6	22.1	18.2	15.0	12.1	10.4	10.1	10.1	10.1	10.1	10.1
57.5°	32.4	25.2	20.7	17.2	14.2	11.3	10.1	10.1	10.1	10.1	10.1
55°	35.2	27.8	22.9	18.9	15.8	12.9	10.6	10.1	10.1	10.1	10.1
52.5°	33.6	28.9	24.6	20.1	16.7	14.3	12.0	10.1	10.1	10.1	10.1
50°	29.4	28.3	25.3	21.0	17.2	15.0	13.2	11.0	10.1	10.1	10.2
47.5°	26.7	27.2	25.3	21.5	17.4	15.6	13.9	11.9	10.1	10.1	10.4
45°	23.5	25.8	25.1	21.9	18.0	16.2	14.5	12.7	10.8	10.2	10.6
42.5°	21.2	24.5	24.6	22.6	19.5	16.8	15.0	13.2	11.3	10.3	10.7
40°	24.1	24.0	24.7	24.1	21.4	17.4	15.5	13.6	11.8	10.6	10.8
37.5°	28.7	26.9	25.4	28.2	24.1	19.3	15.9	14.0	12.5	11.2	11.0
35°	36.3	32.5	31.6	34.0	29.5	21.4	16.3	14.4	13.4	11.8	11.1
32.5°	45.7	43.0	42.4	41.1	36.7	23.7	17.6	15.9	14.5	12.4	11.2
30°	60.8	62.5	55.0	49.7	44.9	30.3	20.5	17.6	15.8	12.9	11.4
27.5°	94.0	87.9	70.7	61.3	53.2	39.0	25.2	19.5	17.3	13.6	11.9
25°	138.1	121.5	95.5	74.4	62.5	60.9	30.4	21.8	18.9	14.7	12.3
22.5°	195.4	162.7	124.3	88.4	95.4	89.6	42.2	26.0	20.6	15.9	12.7
20°	260.9	209.9	164.1	136.7	133.9	118.5	63.2	30.6	22.5	17.2	13.1
17.5°	333.3	289.6	249.0	199.3	174.8	150.6	87.6	35.3	24.4	18.5	13.4
15°	462.5	409.4	341.2	267.2	217.5	185.2	114.8	40.2	26.4	19.8	14.0
12.5°	610.5	535.2	438.5	339.2	261.6	221.6	143.8	45.2	28.4	21.6	15.0
10°	762.7	665.0	538.9	413.6	306.5	259.1	173.6	51.6	32.6	24.0	16.1
7.5°	916.9	796.5	640.6	488.8	352.3	299.1	206.6	61.3	37.2	26.2	17.2
5°	1060.9	912.2	726.1	553.7	401.1	341.0	238.7	71.0	41.8	28.5	18.2
2.5°	1159.2	1000.0	798.0	613.0	448.8	381.6	268.2	80.4	46.4	30.6	19.3
0°	1251.6	1081.2	864.2	667.4	495.0	419.9	294.1	89.3	50.7	32.5	20.3
-2.5°	1268.6	1095.0	873.4	681.2	514.0	434.7	304.0	105.4	61.4	38.3	23.1
-5°	1278.7	1100.4	876.6	690.2	530.6	446.0	309.6	120.4	71.6	43.7	25.8
-7.5°	1228.7	1065.0	860.0	691.4	544.7	453.7	311.5	134.1	80.9	48.7	28.3
-10°	1161.6	1002.9	817.1	665.9	540.5	452.5	309.7	146.0	89.1	53.1	30.5
-12.5°	1091.3	936.3	772.6	638.9	532.4	444.2	304.0	156.7	96.2	56.8	32.4
-15°	1018.7	866.3	727.8	611.6	523.9	434.4	296.4	165.5	103.0	60.2	33.9
-17.5°	947.7	793.8	684.0	584.7	515.5	423.6	287.3	172.0	108.1	63.5	35.6
-20°	879.4	738.8	643.2	559.1	507.5	412.1	277.3	176.1	111.5	65.5	37.1



REPORT NUMBER: P701641 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	810.7	700.9	616.3	544.9	495.9	400.3	266.9	177.6	113.0	66.2	38.2
-25°	744.3	664.1	591.3	535.2	478.7	383.0	261.7	176.4	112.4	65.5	38.7
-27.5°	696.9	630.5	566.8	524.3	458.3	366.8	259.2	175.4	110.5	63.3	38.6
-30°	658.8	603.1	551.3	509.2	437.4	342.7	253.1	171.6	107.9	61.9	37.9
-32.5°	631.4	577.3	537.1	485.0	410.5	317.1	238.3	164.9	103.1	61.0	37.0
-35°	609.0	559.9	520.9	460.8	379.9	294.7	219.0	155.3	96.2	59.2	35.5
-37.5°	585.3	546.2	494.6	431.8	348.1	269.9	199.9	139.9	87.1	56.5	33.4
-40°	569.7	526.1	469.5	396.0	317.4	242.6	178.4	124.5	81.3	52.9	30.5
-42.5°	551.9	496.6	431.8	358.6	285.1	216.5	155.4	108.0	74.6	48.8	27.0
-45°	517.6	458.7	387.3	318.5	250.8	188.1	136.0	91.6	66.8	44.0	23.9
-47.5°	476.4	407.5	340.6	275.8	216.5	159.5	115.3	81.9	58.2	38.2	21.9
-50°	418.0	353.9	291.7	234.4	179.4	135.6	96.0	71.3	49.8	30.8	19.5
-52.5°	358.2	298.2	244.1	192.7	149.2	110.5	83.0	59.9	40.8	25.9	16.7
-55°	297.0	245.4	197.8	156.4	119.6	92.2	68.9	49.1	31.4	22.1	14.0
-57.5°	240.1	194.6	157.3	122.5	96.6	75.3	55.3	37.8	25.9	18.3	14.2
-60°	184.5	151.3	118.8	97.4	78.2	59.2	41.8	28.3	21.6	15.2	14.3
-62.5°	138.2	111.7	94.8	77.5	60.2	43.7	29.4	23.6	17.3	15.0	14.2
-65°	104.3	89.1	73.5	57.9	42.6	30.5	24.5	18.9	15.9	14.6	14.0
-67.5°	80.1	65.7	51.7	37.9	30.4	24.8	19.4	16.7	15.1	14.2	13.5
-70°	53.3	41.1	34.1	28.9	23.8	19.4	17.2	15.4	14.2	13.6	12.9
-72.5°	34.6	30.3	25.9	21.7	19.7	17.6	15.6	14.0	13.5	12.9	12.4
-75°	25.4	23.1	21.3	19.6	17.7	15.8	14.2	13.2	12.7	12.3	11.7
-77.5°	21.6	20.1	18.8	17.2	15.4	14.0	13.0	12.4	12.0	11.6	11.1
-80°	17.9	16.6	15.2	13.9	12.9	12.2	11.9	11.5	11.2	10.9	10.5
-82.5°	13.8	12.9	12.2	11.6	11.4	11.1	10.9	10.7	10.4	10.1	9.9
-85°	11.4	11.0	10.7	10.4	10.3	10.1	10.1	10.1	10.0	9.8	9.5
-87.5°	9.5	9.4	9.3	9.2	9.4	9.6	9.8	10.1	9.8	9.4	9.0
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1



REPORT NUMBER: P701641 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.1	8.6	9.1	9.6	10.1	9.1	8.1
87.5°	8.6	8.5	8.4	8.4	8.3	8.2	8.1
85°	9.1	9.0	8.8	8.6	8.4	8.3	8.1
82.5°	9.6	9.4	9.1	8.9	8.6	8.4	8.1
80°	10.1	9.8	9.5	9.1	8.8	8.4	8.1
77.5°	10.1	10.1	9.8	9.4	9.0	8.5	8.1
75°	10.1	10.1	10.1	9.6	9.1	8.6	8.1
72.5°	10.1	10.1	10.1	9.9	9.3	8.7	8.1
70°	10.1	10.1	10.1	10.1	9.5	8.8	8.1
67.5°	10.1	10.1	10.1	10.1	9.6	8.9	8.1
65°	10.1	10.1	10.1	10.1	9.8	8.9	8.1
62.5°	10.1	10.1	10.1	10.1	9.9	9.0	8.1
60°	10.1	10.1	10.1	10.1	10.1	9.1	8.1
57.5°	10.1	10.1	10.1	10.1	10.1	9.2	8.1
55°	10.1	10.1	10.1	10.1	10.1	9.2	8.1
52.5°	10.1	10.1	10.1	10.1	10.1	9.3	8.1
50°	10.1	10.1	10.1	10.1	10.1	9.4	8.1
47.5°	10.1	10.1	10.1	10.1	10.1	9.5	8.1
45°	10.3	10.1	10.1	10.1	10.1	9.5	8.1
42.5°	10.5	10.1	10.1	10.1	10.1	9.6	8.1
40°	10.7	10.1	10.1	10.1	10.1	9.6	8.1
37.5°	11.0	10.1	10.1	10.1	10.1	9.7	8.1
35°	11.3	10.2	10.1	10.1	10.1	9.7	8.1
32.5°	11.5	10.5	10.1	10.1	10.1	9.8	8.1
30°	11.6	10.7	10.1	10.1	10.1	9.8	8.1
27.5°	11.8	10.9	10.1	10.1	10.1	9.9	8.1
25°	11.9	11.2	10.1	10.1	10.1	9.9	8.1
22.5°	12.0	11.4	10.1	10.1	10.1	9.9	8.1
20°	12.2	11.6	10.1	10.1	10.1	10.0	8.1
17.5°	12.3	11.7	10.1	10.1	10.1	10.0	8.1
15°	12.5	11.8	10.1	10.1	10.1	10.0	8.1
12.5°	12.8	11.9	10.1	10.1	10.1	10.1	8.1
10°	13.0	12.0	10.1	10.1	10.1	10.1	8.1
7.5°	13.3	12.1	10.1	10.1	10.1	10.1	8.1
5°	13.6	12.2	10.1	10.1	10.1	10.1	8.1
2.5°	13.9	12.2	10.1	10.1	10.1	10.1	8.1
0°	14.2	12.2	10.1	10.1	10.1	10.1	8.1
-2.5°	15.5	12.4	10.1	10.1	10.1	10.1	8.1
-5°	16.8	12.6	10.1	10.1	10.1	10.1	8.1
-7.5°	18.0	12.7	10.1	10.1	10.1	10.1	8.1
-10°	19.0	12.9	10.1	10.1	10.1	10.1	8.1
-12.5°	19.8	12.9	10.1	10.1	10.1	10.1	8.1
-15°	20.5	12.9	10.1	10.1	10.1	10.0	8.1
-17.5°	20.8	12.9	10.1	10.1	10.1	10.0	8.1
-20°	21.2	12.8	10.1	10.1	10.1	10.0	8.1



REPORT NUMBER: P701641 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	21.6	12.6	10.1	10.1	10.1	10.0	8.1
-25°	21.7	12.6	10.1	10.1	10.1	10.0	8.1
-27.5°	21.4	12.6	10.1	10.1	10.1	9.9	8.1
-30°	20.6	12.4	10.1	10.1	10.1	9.9	8.1
-32.5°	19.4	12.1	10.3	10.1	10.1	9.9	8.1
-35°	18.7	11.6	10.4	10.1	10.1	9.8	8.1
-37.5°	18.1	11.2	10.6	10.1	10.1	9.8	8.1
-40°	17.2	11.4	10.7	10.1	10.1	9.8	8.1
-42.5°	16.0	11.5	10.8	10.1	10.1	9.8	8.1
-45°	14.6	11.7	10.9	10.2	10.1	9.7	8.1
-47.5°	12.9	11.9	10.9	10.2	10.1	9.7	8.1
-50°	12.8	12.0	11.0	10.2	10.1	9.7	8.1
-52.5°	13.0	12.1	11.0	10.3	10.1	9.6	8.1
-55°	13.1	12.1	11.0	10.3	10.1	9.6	8.1
-57.5°	13.3	12.0	10.9	10.3	10.1	9.6	8.1
-60°	13.4	11.9	10.9	10.3	10.1	9.5	8.1
-62.5°	13.1	11.7	10.8	10.2	10.1	9.5	8.1
-65°	12.8	11.6	10.7	10.2	10.1	9.5	8.1
-67.5°	12.5	11.3	10.6	10.2	10.1	9.4	8.1
-70°	12.1	11.1	10.4	10.1	10.1	9.4	8.1
-72.5°	11.6	10.8	10.3	10.1	10.1	9.4	8.1
-75°	11.2	10.5	10.1	10.0	10.1	9.3	8.1
-77.5°	10.7	10.2	10.0	9.9	10.1	9.3	8.1
-80°	10.2	9.9	9.8	9.9	10.1	9.3	8.1
-82.5°	9.7	9.6	9.6	9.8	10.1	9.2	8.1
-85°	9.1	9.3	9.5	9.7	10.1	9.2	8.1
-87.5°	8.6	8.9	9.3	9.7	10.1	9.1	8.1
-90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1

(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

