

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: P701353 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-40-80-4S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701353 (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-08-0320L-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

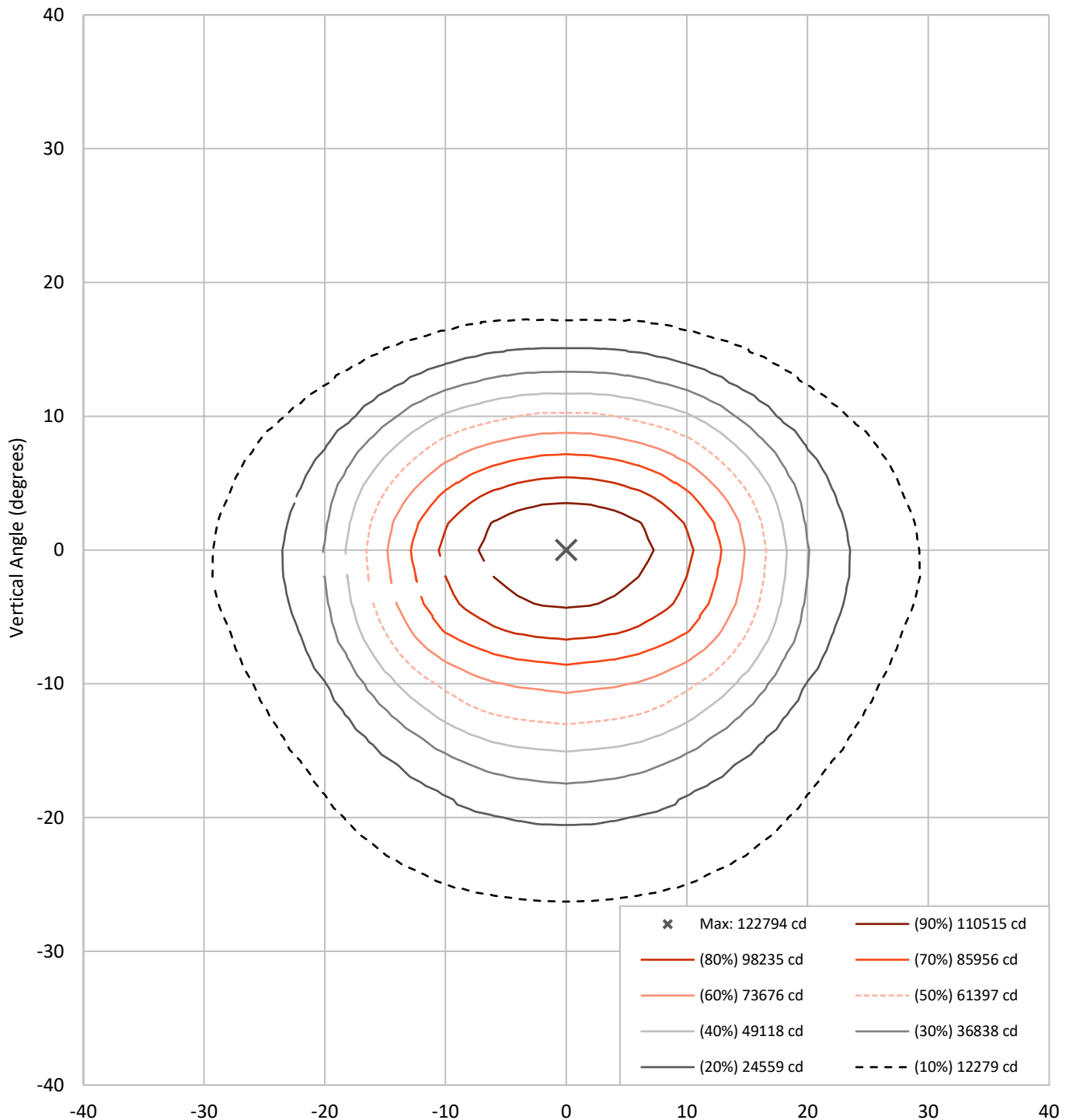
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	32415.5 lumens	Max Intensity:	122794 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	94.2 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:	16401.2 lumens	Field Lumens:	27955.5 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%

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

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Iso-Candela Plot





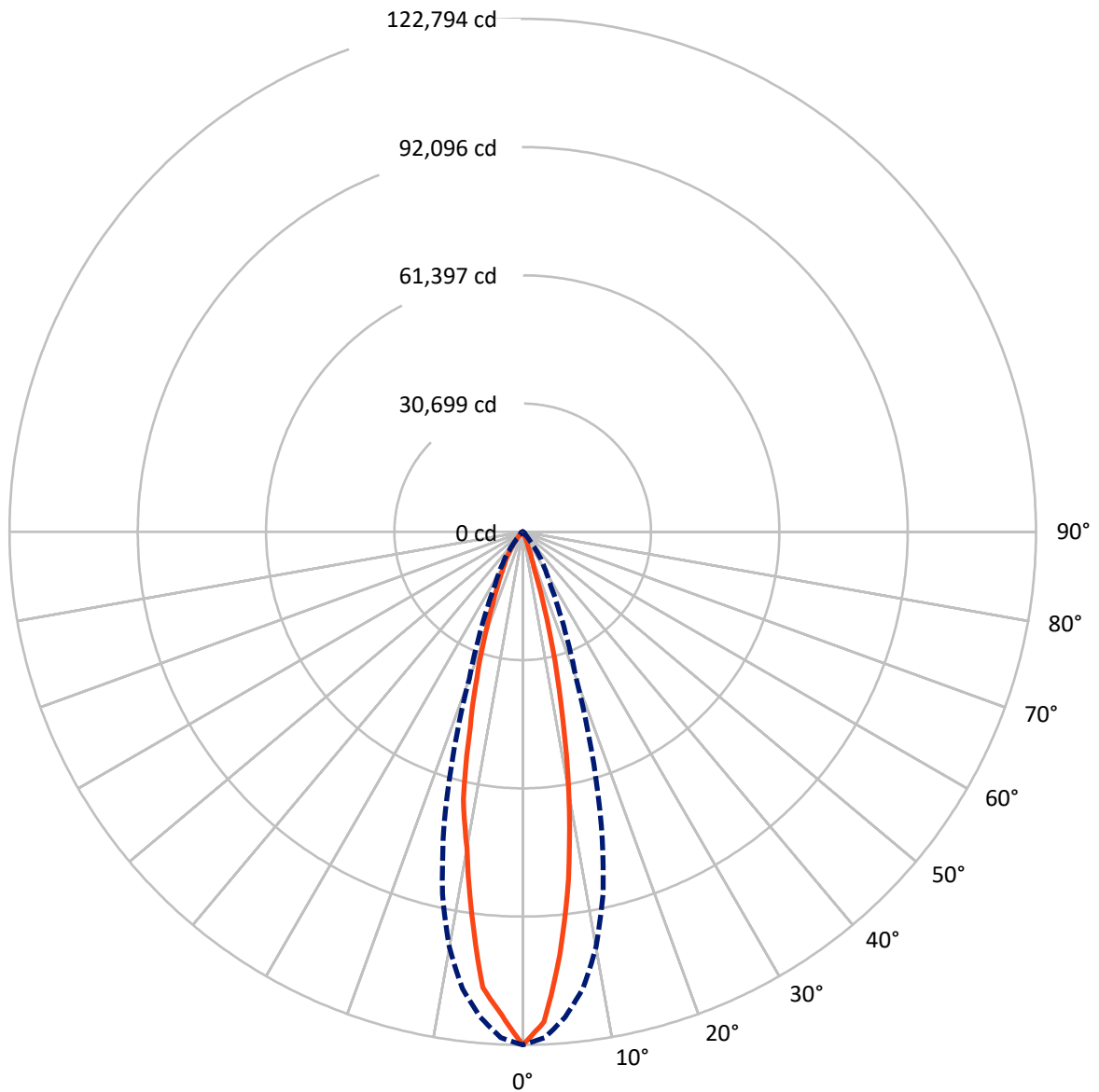
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Lumen Table

90																
80	0.1	0.3		0.4		0.4		0.3		0.4		0.4		0.3		0.1
70																
60	0.1	0.1	0.1	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.1	0.1	0.1
50		0.1	0.2	0.5	0.4	0.2	0.1	0.1	0.1	0.1	0.2	0.4	0.5	0.2	0.1	
40	0.1	0.1	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.1
30		0.1	0.3	0.5	0.7	1.4	2.5	3.7	3.7	2.5	1.4	0.7	0.5	0.3	0.1	
20	0.1	0.2	0.9	1.8	4.9	13.5	28.0	46.5	46.5	28.0	13.5	4.9	1.8	0.9	0.2	0.1
10		0.5	2.8	7.3	43.8	136.7	416.5	778.4	778.4	416.5	136.7	43.8	7.3	2.8	0.5	
0	0.2	1.0	5.6	18.5	135.8	478.4	1656.2	2818.4	2818.4	1656.2	478.4	135.8	18.5	5.6	1.0	0.2
-10		1.4	6.9	22.2	151.3	527.8	1824.2	2994.6	2994.6	1824.2	527.8	151.3	22.2	6.9	1.4	
-20	0.3	1.5	6.1	15.6	89.7	290.9	807.3	1418.8	1418.8	807.3	290.9	89.7	15.6	6.1	1.5	0.3
-30		1.4	5.2	10.4	37.5	145.4	299.7	436.4	436.4	299.7	145.4	37.5	10.4	5.2	1.4	
-40	0.2	1.2	4.3	8.1	15.2	45.3	102.8	145.9	145.9	102.8	45.3	15.2	8.1	4.3	1.2	0.2
-50		0.8	3.1	6.7	10.8	16.2	23.4	30.7	30.7	23.4	16.2	10.8	6.7	3.1	0.8	
-60	0.1	0.4	1.6	4.3	7.6	10.7	13.1	14.7	14.7	13.1	10.7	7.6	4.3	1.6	0.4	0.1
-70		0.2	0.6	1.6	3.2	5.1	6.9	8.0	8.0	6.9	5.1	3.2	1.6	0.6	0.2	
-80																
-90	0.1	0.5		1.5		4.0		5.7		4.0		1.5		0.5		0.1

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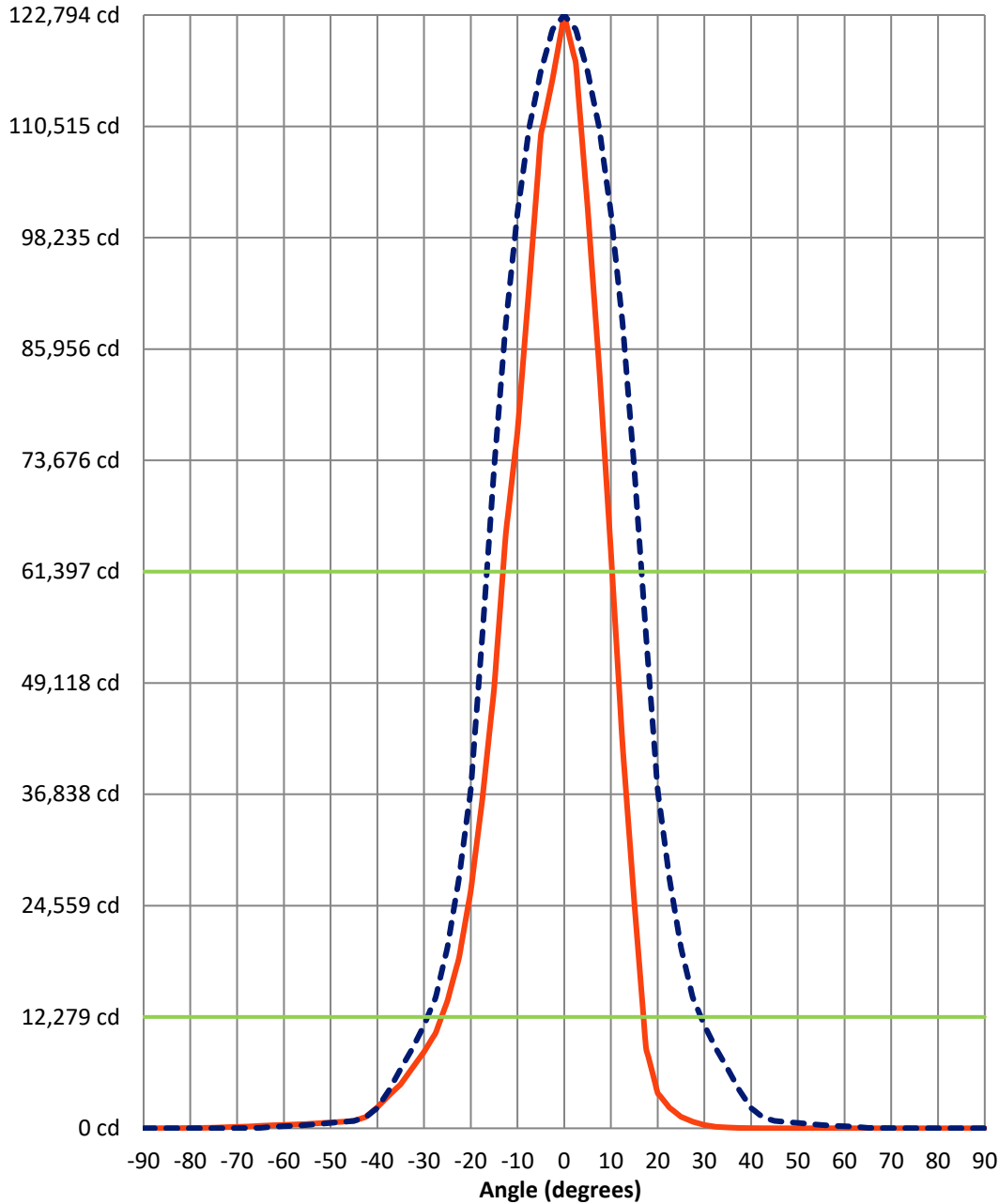
Luminous Intensity Polar Plot



— 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: 16401.2
 Efficiency: 50.6%

Field:
 H Angle: 58.5°
 V Angle: 43.2°
 Lumens: 27955.5
 Efficiency: 86.2%

Spill:
 Lumens: 4460
 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°	4.5	5.0	5.6	5.3	5.1	4.8	4.5	4.8	5.1	5.3	5.6
87.5°	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.7	4.7	4.6	4.5
85°	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.0	4.9	4.7	4.5
82.5°	4.5	4.6	4.8	4.9	5.1	5.2	5.4	5.3	5.1	4.9	4.8
80°	4.5	4.7	4.9	5.1	5.3	5.4	5.6	5.4	5.3	5.2	5.3
77.5°	4.5	4.7	5.0	5.2	5.4	5.6	5.6	5.5	5.4	5.5	5.6
75°	4.5	4.8	5.1	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6
72.5°	4.5	4.8	5.2	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6
70°	4.5	4.9	5.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
67.5°	4.5	4.9	5.3	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
65°	4.5	5.0	5.4	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
62.5°	4.5	5.0	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
60°	4.5	5.0	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
57.5°	4.5	5.1	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
55°	4.5	5.1	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
52.5°	4.5	5.2	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
50°	4.5	5.2	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.6	6.1
47.5°	4.5	5.2	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.6	6.6
45°	4.5	5.3	5.6	5.6	5.6	5.6	5.7	5.8	5.7	5.9	7.0
42.5°	4.5	5.3	5.6	5.6	5.6	5.6	5.8	5.9	5.7	6.2	7.3
40°	4.5	5.3	5.6	5.6	5.6	5.6	5.9	6.0	5.9	6.5	7.5
37.5°	4.5	5.4	5.6	5.6	5.6	5.6	6.1	6.1	6.2	6.9	7.7
35°	4.5	5.4	5.6	5.6	5.6	5.7	6.2	6.1	6.5	7.4	7.9
32.5°	4.5	5.4	5.6	5.6	5.6	5.8	6.3	6.2	6.8	8.0	8.8
30°	4.5	5.5	5.6	5.6	5.6	5.9	6.4	6.3	7.1	8.7	9.7
27.5°	4.5	5.5	5.6	5.6	5.6	6.0	6.5	6.5	7.5	9.5	10.8
25°	4.5	5.5	5.6	5.6	5.6	6.2	6.5	6.8	8.1	10.4	12.1
22.5°	4.5	5.5	5.6	5.6	5.6	6.3	6.6	7.0	8.8	11.4	14.4
20°	4.5	5.5	5.6	5.6	5.6	6.4	6.7	7.2	9.5	12.4	16.9
17.5°	4.5	5.5	5.6	5.6	5.6	6.4	6.8	7.4	10.2	13.5	19.5
15°	4.5	5.6	5.6	5.6	5.6	6.5	6.9	7.7	10.9	14.6	22.2
12.5°	4.5	5.6	5.6	5.6	5.6	6.6	7.0	8.3	11.9	15.7	24.9
10°	4.5	5.6	5.6	5.6	5.6	6.6	7.2	8.9	13.2	18.0	28.5
7.5°	4.5	5.6	5.6	5.6	5.6	6.7	7.3	9.5	14.5	20.5	33.9
5°	4.5	5.6	5.6	5.6	5.6	6.7	7.5	10.1	15.7	23.1	39.2
2.5°	4.5	5.6	5.6	5.6	5.6	6.7	7.6	10.6	16.8	25.6	44.4
0°	4.5	5.6	5.6	5.6	5.6	6.7	7.8	11.2	17.9	28.0	49.3
-2.5°	4.5	5.6	5.6	5.6	5.6	6.8	8.5	12.8	21.1	33.9	58.2
-5°	4.5	5.6	5.6	5.6	5.6	6.9	9.2	14.2	24.1	39.5	66.5
-7.5°	4.5	5.6	5.6	5.6	5.6	7.0	9.9	15.6	26.9	44.6	74.0
-10°	4.5	5.6	5.6	5.6	5.6	7.1	10.5	16.8	29.3	49.2	80.6
-12.5°	4.5	5.6	5.6	5.6	5.6	7.1	10.9	17.9	31.4	53.1	86.5
-15°	4.5	5.6	5.6	5.6	5.6	7.1	11.3	18.8	33.3	56.8	91.4
-17.5°	4.5	5.6	5.6	5.6	5.6	7.1	11.5	19.7	35.1	59.7	95.0
-20°	4.5	5.5	5.6	5.6	5.6	7.0	11.7	20.5	36.2	61.6	97.2



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 CATALOG NUMBER: EPH-LS-08-0320L-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°	4.5	5.5	5.6	5.6	5.6	6.9	11.9	21.1	36.6	62.4	98.1
-25°	4.5	5.5	5.6	5.6	5.6	6.9	12.0	21.4	36.2	62.1	97.4
-27.5°	4.5	5.5	5.6	5.6	5.6	6.9	11.8	21.3	35.0	61.0	96.8
-30°	4.5	5.5	5.6	5.6	5.6	6.8	11.4	21.0	34.2	59.6	94.8
-32.5°	4.5	5.5	5.6	5.6	5.7	6.7	10.7	20.4	33.7	57.0	91.1
-35°	4.5	5.5	5.6	5.6	5.8	6.4	10.3	19.6	32.7	53.2	85.8
-37.5°	4.5	5.4	5.6	5.6	5.8	6.2	10.0	18.4	31.2	48.1	77.3
-40°	4.5	5.4	5.6	5.6	5.9	6.3	9.5	16.9	29.2	44.9	68.8
-42.5°	4.5	5.4	5.6	5.6	6.0	6.4	8.8	14.9	27.0	41.2	59.7
-45°	4.5	5.4	5.6	5.6	6.0	6.5	8.1	13.2	24.3	36.9	50.6
-47.5°	4.5	5.4	5.6	5.7	6.0	6.5	7.1	12.1	21.1	32.2	45.3
-50°	4.5	5.4	5.6	5.7	6.1	6.6	7.1	10.7	17.0	27.5	39.4
-52.5°	4.5	5.3	5.6	5.7	6.1	6.7	7.1	9.2	14.3	22.6	33.1
-55°	4.5	5.3	5.6	5.7	6.1	6.7	7.2	7.7	12.2	17.3	27.2
-57.5°	4.5	5.3	5.6	5.7	6.0	6.6	7.3	7.8	10.1	14.3	20.9
-60°	4.5	5.3	5.6	5.7	6.0	6.6	7.4	7.8	8.3	11.9	15.6
-62.5°	4.5	5.3	5.6	5.7	6.0	6.5	7.2	7.8	8.2	9.5	13.0
-65°	4.5	5.3	5.6	5.7	5.9	6.4	7.0	7.7	8.0	8.7	10.4
-67.5°	4.5	5.2	5.6	5.6	5.8	6.3	6.8	7.4	7.8	8.3	9.2
-70°	4.5	5.2	5.6	5.6	5.8	6.1	6.6	7.1	7.5	7.8	8.4
-72.5°	4.5	5.2	5.6	5.6	5.7	6.0	6.4	6.8	7.1	7.4	7.7
-75°	4.5	5.2	5.6	5.5	5.6	5.8	6.2	6.5	6.7	7.0	7.3
-77.5°	4.5	5.2	5.6	5.5	5.5	5.7	5.9	6.1	6.4	6.6	6.8
-80°	4.5	5.1	5.6	5.5	5.4	5.5	5.6	5.8	6.0	6.2	6.4
-82.5°	4.5	5.1	5.6	5.4	5.3	5.3	5.4	5.5	5.6	5.8	5.9
-85°	4.5	5.1	5.6	5.4	5.2	5.1	5.1	5.3	5.4	5.5	5.6
-87.5°	4.5	5.1	5.6	5.4	5.1	5.0	4.8	5.0	5.2	5.4	5.6
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5



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 CATALOG NUMBER: EPH-LS-08-0320L-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°	5.3	5.1	4.8	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.2	4.0	3.7
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.2	4.2
82.5°	4.8	4.8	4.7	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	5.2	5.1	4.8	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
77.5°	5.4	5.1	4.8	4.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5
75°	5.4	5.1	4.9	4.6	4.5	4.5	4.5	4.7	4.9	4.9	4.8
72.5°	5.4	5.2	4.9	4.6	4.7	5.0	5.3	5.5	5.7	5.9	6.1
70°	5.5	5.2	5.1	5.2	5.4	5.7	6.2	6.8	7.4	7.8	8.5
67.5°	5.5	5.4	5.4	5.7	6.0	6.6	7.3	8.7	10.3	11.2	12.1
65°	5.6	5.6	5.7	6.1	6.6	8.1	9.7	11.5	14.3	15.9	16.6
62.5°	5.6	5.7	6.0	6.8	8.4	10.1	12.4	15.5	19.3	21.8	22.0
60°	5.6	5.7	6.7	8.2	10.0	12.2	15.2	19.5	25.0	29.1	26.5
57.5°	5.6	6.2	7.8	9.5	11.4	13.9	17.9	23.3	28.5	34.1	29.2
55°	5.9	7.1	8.7	10.4	12.6	15.3	19.5	24.0	29.7	31.4	25.9
52.5°	6.6	7.9	9.2	11.1	13.6	16.0	18.6	22.5	24.3	24.6	20.5
50°	7.3	8.3	9.6	11.6	14.0	15.7	16.3	18.6	18.7	16.9	14.7
47.5°	7.7	8.6	9.7	11.8	14.0	15.0	14.7	14.2	13.0	12.0	9.4
45°	8.0	9.0	9.9	12.1	13.9	14.2	13.0	10.3	10.7	9.5	8.8
42.5°	8.3	9.3	10.8	12.4	13.6	13.5	11.7	10.8	10.1	9.8	9.6
40°	8.6	9.6	11.8	13.3	13.6	13.2	13.3	12.7	10.9	11.6	11.7
37.5°	8.8	10.7	13.3	15.6	14.1	14.8	15.9	16.1	15.2	14.8	16.3
35°	9.0	11.8	16.3	18.8	17.4	18.0	20.1	21.0	21.2	21.1	22.2
32.5°	9.8	13.1	20.2	22.7	23.4	23.8	25.2	27.4	29.8	30.9	29.6
30°	11.3	16.7	24.8	27.5	30.4	34.6	33.6	35.3	40.8	43.0	45.1
27.5°	13.9	21.5	29.4	33.8	39.0	48.5	52.0	48.5	53.2	57.7	64.4
25°	16.8	33.6	34.5	41.1	52.8	67.1	76.3	80.2	69.8	77.6	95.6
22.5°	23.3	49.4	52.7	48.8	68.7	89.9	107.9	117.6	116.4	108.8	133.1
20°	34.9	65.4	73.9	75.5	90.7	115.9	144.1	160.5	176.1	203.2	274.3
17.5°	48.4	83.1	96.5	110.1	137.5	160.0	184.0	208.5	245.4	326.0	567.4
15°	63.4	102.2	120.1	147.6	188.5	226.1	255.4	277.3	342.5	511.4	938.3
12.5°	79.4	122.3	144.5	187.3	242.2	295.6	337.2	381.3	490.9	823.1	1528.2
10°	95.8	143.1	169.3	228.4	297.7	367.3	421.3	487.7	659.0	1175.9	2171.9
7.5°	114.1	165.2	194.6	269.9	353.8	439.9	506.5	594.8	830.5	1532.4	2819.7
5°	131.8	188.3	221.5	305.8	401.1	503.8	586.0	700.8	1000.1	1878.0	3449.1
2.5°	148.2	210.7	247.9	338.5	440.8	552.3	640.3	764.2	1117.6	2105.1	3912.5
0°	162.5	231.9	273.4	368.6	477.3	597.2	691.3	822.4	1212.3	2242.1	4189.4
-2.5°	167.9	240.1	283.9	376.2	482.4	604.8	700.7	827.5	1241.4	2297.6	4230.2
-5°	171.0	246.3	293.0	381.2	484.1	607.8	706.3	827.4	1234.2	2249.5	4031.3
-7.5°	172.0	250.6	300.8	381.8	475.0	588.2	678.6	784.0	1136.9	2050.6	3602.6
-10°	171.0	249.9	298.5	367.8	451.3	553.9	641.6	736.6	1024.8	1801.2	3125.9
-12.5°	167.9	245.3	294.0	352.9	426.7	517.1	602.8	686.0	900.2	1504.2	2634.9
-15°	163.7	239.9	289.3	337.8	402.0	478.5	562.6	632.9	770.6	1187.4	2147.5
-17.5°	158.7	233.9	284.7	322.9	377.8	438.5	523.4	588.6	675.0	985.4	1755.4
-20°	153.2	227.6	280.3	308.8	355.2	408.1	485.7	551.9	625.0	826.1	1334.8



REPORT NUMBER: P701353 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	147.4	221.1	273.9	301.0	340.4	387.1	447.8	513.1	574.1	650.4	977.8
-25°	144.5	211.5	264.3	295.6	326.6	366.8	411.1	472.4	526.9	600.1	789.1
-27.5°	143.1	202.6	253.1	289.6	313.1	348.3	385.0	432.3	494.7	559.4	627.9
-30°	139.8	189.3	241.6	281.2	304.5	333.2	363.9	404.1	463.7	523.5	584.0
-32.5°	131.6	175.2	226.7	267.9	296.7	318.9	348.8	385.6	433.5	488.4	542.7
-35°	121.0	162.8	209.8	254.5	287.7	309.3	336.4	368.1	405.6	454.8	512.8
-37.5°	110.4	149.0	192.3	238.5	273.2	301.7	323.4	352.1	384.6	423.7	480.8
-40°	98.5	133.9	175.3	218.7	259.3	290.6	314.7	336.5	364.6	402.9	443.8
-42.5°	85.8	119.6	157.4	198.1	238.5	274.3	304.9	325.4	349.3	382.4	419.7
-45°	75.1	103.9	138.5	175.9	214.0	253.4	285.9	315.8	337.6	362.7	395.9
-47.5°	63.7	88.1	119.6	152.3	188.2	225.1	263.1	294.8	325.5	348.5	372.0
-50°	53.1	74.9	99.1	129.5	161.1	195.5	230.9	268.4	300.7	330.4	356.0
-52.5°	45.9	61.1	82.4	106.4	134.8	164.7	197.9	232.3	267.8	301.6	328.2
-55°	38.1	51.0	66.1	86.4	109.3	135.6	164.0	195.7	227.1	260.1	290.5
-57.5°	30.6	41.6	53.4	67.6	86.9	107.5	132.6	158.9	187.6	216.0	240.1
-60°	23.1	32.7	43.2	53.8	65.6	83.6	101.9	124.0	148.4	171.9	193.2
-62.5°	16.3	24.2	33.3	42.8	52.4	61.6	76.3	92.9	109.5	129.4	148.0
-65°	13.5	16.8	23.5	32.0	40.6	49.2	57.6	65.8	79.5	93.6	106.6
-67.5°	10.7	13.7	16.8	21.0	28.6	36.3	44.3	51.8	59.0	66.1	74.3
-70°	9.5	10.7	13.1	16.0	18.9	22.7	29.5	36.4	43.6	50.8	57.1
-72.5°	8.6	9.7	10.9	12.0	14.3	16.7	19.1	21.4	25.9	32.1	38.4
-75°	7.8	8.7	9.8	10.8	11.8	12.8	14.0	16.1	18.1	20.2	22.4
-77.5°	7.2	7.7	8.5	9.5	10.4	11.1	11.9	12.9	13.8	14.8	15.9
-80°	6.5	6.7	7.1	7.6	8.4	9.1	9.8	10.5	11.2	11.9	12.7
-82.5°	6.0	6.1	6.3	6.4	6.7	7.1	7.6	8.2	8.6	9.0	9.4
-85°	5.6	5.6	5.7	5.8	5.9	6.1	6.3	6.5	6.6	6.8	6.9
-87.5°	5.5	5.3	5.2	5.1	5.2	5.2	5.2	5.3	5.3	5.3	5.4
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.2	4.0	3.7



REPORT NUMBER: P701353 (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°	4.5	5.1	5.6	6.1	6.7	7.3	7.8	8.4	9.0	9.6	10.1
87.5°	3.4	3.4	3.4	3.4	3.4	3.1	2.8	2.5	2.2	1.9	1.7
85°	4.1	4.0	3.8	3.6	3.4	3.1	2.8	2.5	2.2	1.9	1.7
82.5°	4.5	4.2	4.0	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.7
80°	4.5	4.3	4.0	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.7
77.5°	4.5	4.3	4.0	3.7	3.5	3.2	2.9	2.5	2.2	2.2	2.2
75°	4.6	4.4	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8
72.5°	6.2	6.2	6.0	5.9	5.5	5.3	5.0	4.7	4.4	4.1	3.9
70°	9.2	9.5	9.3	8.6	7.6	6.8	6.4	6.0	5.5	5.0	4.6
67.5°	12.8	12.8	11.9	10.7	9.1	7.6	7.0	6.4	5.9	5.5	5.5
65°	16.5	15.5	13.9	12.0	9.8	7.7	7.1	6.5	5.9	5.6	5.6
62.5°	20.7	17.3	13.9	11.4	9.4	7.7	6.9	6.1	5.3	4.8	4.7
60°	22.2	16.5	11.9	9.9	8.2	6.9	6.0	5.4	4.8	4.5	4.5
57.5°	21.5	14.7	9.6	8.0	6.7	5.9	5.3	4.7	4.2	3.8	3.6
55°	18.4	12.0	7.2	6.2	5.5	4.9	4.4	4.1	3.7	3.4	3.4
52.5°	13.5	9.2	6.4	5.4	5.1	4.8	4.5	4.4	4.3	4.1	4.0
50°	9.9	7.1	6.2	5.5	5.3	5.3	5.5	5.4	5.4	5.2	5.1
47.5°	8.0	7.0	6.3	5.6	5.8	6.3	6.5	6.5	6.5	6.3	6.2
45°	7.7	7.1	6.8	7.2	7.5	7.8	7.8	7.7	8.0	8.2	8.0
42.5°	8.5	8.6	9.3	9.9	9.5	10.1	10.8	10.8	11.3	11.7	11.7
40°	12.0	11.8	13.5	14.0	14.3	14.9	16.8	16.6	17.5	19.8	20.3
37.5°	17.3	18.3	19.4	20.5	23.5	25.4	29.2	32.1	33.7	38.3	41.8
35°	24.4	26.9	27.6	33.5	39.6	45.3	50.5	56.8	59.6	69.6	76.5
32.5°	34.6	39.6	46.4	56.2	67.8	81.6	81.0	102.0	109.6	130.1	153.7
30°	48.4	62.5	84.8	100.3	128.8	151.2	162.5	195.3	239.4	281.6	338.9
27.5°	78.7	108.3	148.8	202.2	230.0	263.7	314.8	354.0	454.6	550.7	621.3
25°	135.3	197.5	273.9	352.7	402.1	446.4	539.8	608.3	750.9	858.0	1010.7
22.5°	258.7	391.6	488.3	546.8	652.8	791.4	858.6	1047.0	1258.5	1528.5	1751.6
20°	435.9	645.0	860.5	992.1	1113.1	1419.1	1553.1	1905.9	2355.5	2863.5	3287.0
17.5°	853.0	1043.9	1482.7	1910.2	2231.9	2533.9	3381.6	3987.2	5162.5	6600.9	7264.3
15°	1530.6	2064.5	2576.5	3351.9	4172.6	5085.7	6415.9	8712.6	11597.2	14742.6	18144.9
12.5°	2481.3	3455.9	4371.8	5347.9	6522.8	8766.4	11799.4	15810.5	20993.6	26554.5	32975.5
10°	3549.4	5032.6	6370.4	7844.1	9930.3	13263.4	17758.9	23946.8	33177.0	42612.0	50796.0
7.5°	4505.9	6302.3	8116.9	10250.0	13556.8	18317.1	24784.8	34446.4	46500.2	58176.1	68131.7
5°	5422.5	7521.0	9589.3	12131.8	16299.4	22512.0	30882.5	44137.1	59375.2	72330.5	83241.4
2.5°	6136.6	8474.6	10841.5	13831.7	18586.6	25655.2	35162.4	51205.3	69597.0	83965.0	96441.0
0°	6545.8	8787.8	11357.0	14455.1	19926.4	27626.2	37376.5	54459.1	72775.3	88742.6	100934.9
-2.5°	6465.7	8815.0	11441.6	14575.7	19761.6	27154.2	36765.8	53061.4	71291.6	85685.9	97500.0
-5°	6057.5	8206.9	10522.7	13272.4	17848.3	24584.3	34021.6	49335.0	66253.7	80651.5	92658.7
-7.5°	5420.9	7321.7	9337.7	11731.0	15600.9	21462.2	29574.2	41497.6	56487.7	69527.5	78527.1
-10°	4726.2	6398.7	8218.0	10383.8	13436.1	18031.1	24177.5	32790.6	45050.6	55916.3	64264.2
-12.5°	4067.6	5588.0	7170.6	8979.1	11289.4	14908.5	19579.9	26010.4	33913.4	42845.2	51372.0
-15°	3435.9	4771.1	6152.1	7826.2	9835.3	12290.8	15431.2	19757.7	24949.9	30804.0	37119.0
-17.5°	2834.6	4007.0	5306.3	6768.0	8428.3	10304.3	12938.0	15904.8	19201.1	23015.4	26631.7
-20°	2223.8	3307.1	4486.1	5787.4	7277.0	8987.2	10861.2	13089.8	15474.5	18080.6	20785.9



REPORT NUMBER: P701353 (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°	1697.3	2620.3	3651.9	4836.6	6235.2	7742.6	9196.3	10659.0	12423.3	14142.1	15868.3
-25°	1188.5	1920.5	2883.7	4016.2	5203.7	6463.6	7542.5	8573.6	9798.8	10900.7	12048.2
-27.5°	874.1	1377.1	2173.5	3178.0	4243.0	5107.2	6015.5	6861.2	7748.4	8447.8	9256.0
-30°	666.6	956.2	1548.0	2331.5	3185.9	3939.0	4640.0	5405.9	6135.3	6742.5	7250.6
-32.5°	607.9	718.3	1017.9	1563.7	2181.3	2849.5	3456.0	4122.6	4734.6	5239.6	5644.1
-35°	571.4	631.2	718.5	994.1	1356.2	1883.7	2389.8	2935.7	3442.9	3859.5	4194.5
-37.5°	540.1	592.6	644.1	695.9	895.4	1117.9	1483.2	1878.3	2220.9	2601.9	2899.3
-40°	501.3	560.2	601.9	644.5	692.4	748.1	940.8	1113.8	1307.5	1576.5	1799.2
-42.5°	458.8	508.5	560.4	602.1	639.0	678.3	722.0	765.2	854.3	967.4	1059.4
-45°	430.8	463.6	501.3	548.6	591.8	624.5	657.0	688.4	718.2	744.9	767.3
-47.5°	400.8	428.6	459.2	491.7	523.6	560.0	594.1	622.7	645.2	666.8	686.1
-50°	374.0	394.6	420.4	445.6	470.8	496.6	522.1	544.1	565.9	585.6	604.8
-52.5°	352.3	369.7	386.6	403.5	424.0	443.9	462.8	479.7	495.2	508.6	522.7
-55°	315.8	337.7	359.4	374.4	387.4	399.9	412.3	426.3	438.5	449.1	459.0
-57.5°	266.3	292.7	316.8	334.5	351.3	367.0	377.9	386.0	393.8	401.2	407.9
-60°	213.7	233.5	256.6	279.3	300.2	319.1	331.4	341.8	350.6	357.9	364.5
-62.5°	165.1	182.1	201.0	219.3	236.1	252.8	269.0	283.2	295.3	305.6	314.0
-65°	120.3	135.1	151.2	166.7	181.6	196.2	209.7	221.9	232.9	242.9	252.0
-67.5°	85.7	96.5	108.2	118.7	130.5	143.3	156.0	167.4	177.4	185.4	191.4
-70°	63.0	69.2	76.8	85.8	95.6	104.8	113.9	122.7	131.0	138.2	144.7
-72.5°	44.8	51.2	57.2	62.9	69.0	75.0	81.2	87.7	94.2	99.8	104.5
-75°	24.6	27.7	32.9	37.9	42.8	47.4	51.5	55.1	58.3	60.9	63.1
-77.5°	17.4	19.5	21.7	23.8	25.8	28.2	30.8	33.4	35.9	37.9	39.8
-80°	13.5	14.6	15.9	17.2	18.6	20.3	22.0	23.8	25.5	26.8	28.0
-82.5°	9.8	10.7	11.6	12.4	13.3	14.3	15.4	16.4	17.4	18.1	18.8
-85°	7.0	7.6	8.2	8.8	9.4	10.4	11.3	12.2	13.2	13.8	14.4
-87.5°	5.4	5.7	6.1	6.4	6.7	7.5	8.4	9.2	10.1	10.4	10.6
-90°	3.4	3.4	3.4	3.4	3.4	3.1	2.8	2.5	2.2	1.9	1.7



REPORT NUMBER: P701353 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	10.6	11.2	11.2	11.2	11.2	11.2	10.6	10.1	9.6	9.0	8.4
87.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.5
85°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.5
82.5°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.5
80°	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.7	1.9	2.2	2.5
77.5°	2.2	2.2	1.7	1.1	1.7	2.2	2.2	2.2	2.2	2.2	2.5
75°	2.5	2.2	1.7	1.1	1.7	2.2	2.5	2.8	3.0	3.2	3.4
72.5°	3.6	3.4	3.4	3.4	3.4	3.4	3.6	3.9	4.1	4.4	4.7
70°	4.0	3.5	3.4	3.4	3.4	3.5	4.0	4.6	5.0	5.5	6.0
67.5°	5.5	5.5	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.9	6.4
65°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.9	6.5
62.5°	4.6	4.5	4.5	4.5	4.5	4.5	4.6	4.7	4.8	5.3	6.1
60°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.8	5.4
57.5°	3.5	3.5	3.4	3.4	3.4	3.5	3.5	3.6	3.8	4.2	4.7
55°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.7	4.1
52.5°	3.8	3.5	3.4	3.4	3.4	3.5	3.8	4.0	4.1	4.3	4.4
50°	4.8	4.6	4.5	4.5	4.5	4.6	4.8	5.1	5.2	5.4	5.4
47.5°	6.0	5.7	5.6	5.6	5.6	5.7	6.0	6.2	6.3	6.5	6.5
45°	7.6	7.1	6.7	6.7	6.7	7.1	7.6	8.0	8.2	8.0	7.7
42.5°	11.6	11.3	11.1	11.2	11.1	11.3	11.6	11.7	11.7	11.3	10.8
40°	21.3	21.9	22.1	22.4	22.1	21.9	21.3	20.3	19.8	17.5	16.6
37.5°	43.7	42.9	41.0	41.5	41.0	42.9	43.7	41.8	38.3	33.7	32.1
35°	81.1	86.0	89.4	91.9	89.4	86.0	81.1	76.5	69.6	59.6	56.8
32.5°	162.4	169.1	167.1	163.6	167.1	169.1	162.4	153.7	130.1	109.6	102.0
30°	372.7	392.2	386.9	364.2	386.9	392.2	372.7	338.9	281.6	239.4	195.3
27.5°	672.0	719.0	749.7	733.9	749.7	719.0	672.0	621.3	550.7	454.6	354.0
25°	1142.5	1233.7	1299.1	1271.7	1299.1	1233.7	1142.5	1010.7	858.0	750.9	608.3
22.5°	2031.4	2181.3	2270.3	2293.6	2270.3	2181.3	2031.4	1751.6	1528.5	1258.5	1047.0
20°	3819.6	3939.2	3962.9	3903.7	3962.9	3939.2	3819.6	3287.0	2863.5	2355.5	1905.9
17.5°	9190.6	9742.6	9337.9	8913.3	9337.9	9742.6	9190.6	7264.3	6600.9	5162.5	3987.2
15°	21023.9	23354.9	24682.9	24953.9	24682.9	23354.9	21023.9	18144.9	14742.6	11597.2	8712.6
12.5°	37045.2	40801.9	42352.2	42207.4	42352.2	40801.9	37045.2	32975.5	26554.5	20993.6	15810.5
10°	56045.7	60062.1	63517.8	63552.8	63517.8	60062.1	56045.7	50796.0	42612.0	33177.0	23946.8
7.5°	75041.8	79673.7	82924.8	83852.3	82924.8	79673.7	75041.8	68131.7	58176.1	46500.2	34446.4
5°	91671.7	97406.2	100633.8	101619.5	100633.8	97406.2	91671.7	83241.4	72330.5	59375.2	44137.1
2.5°	106292.7	113317.7	116857.6	117408.0	116857.6	113317.7	106292.7	96441.0	83965.0	69597.0	51205.3
0°	110315.4	116577.7	121162.1	122794.0	121162.1	116577.7	110315.4	100934.9	88742.6	72775.3	54459.1
-2.5°	106349.6	111828.3	114560.7	115700.3	114560.7	111828.3	106349.6	97500.0	85685.9	71291.6	53061.4
-5°	100080.8	105193.8	108673.6	109479.5	108673.6	105193.8	100080.8	92658.7	80651.5	66253.7	49335.0
-7.5°	84462.9	89495.5	91059.0	92831.6	91059.0	89495.5	84462.9	78527.1	69527.5	56487.7	41497.6
-10°	70570.4	74485.4	75562.1	76818.0	75562.1	74485.4	70570.4	64264.2	55916.3	45050.6	32790.6
-12.5°	58390.9	62268.9	64024.5	65527.0	64024.5	62268.9	58390.9	51372.0	42845.2	33913.4	26010.4
-15°	42779.3	46424.1	47683.1	48496.0	47683.1	46424.1	42779.3	37119.0	30804.0	24949.9	19757.7
-17.5°	30988.6	33764.4	35414.0	36370.3	35414.0	33764.4	30988.6	26631.7	23015.4	19201.1	15904.8
-20°	23163.9	24754.6	26032.5	26172.9	26032.5	24754.6	23163.9	20785.9	18080.6	15474.5	13089.8



REPORT NUMBER: P701353 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17314.6	18262.1	18850.4	18814.9	18850.4	18262.1	17314.6	15868.3	14142.1	12423.3	10659.0
-25°	12923.3	13560.3	13965.5	14038.3	13965.5	13560.3	12923.3	12048.2	10900.7	9798.8	8573.6
-27.5°	9834.6	10283.1	10515.5	10527.9	10515.5	10283.1	9834.6	9256.0	8447.8	7748.4	6861.2
-30°	7619.4	7993.0	8240.7	8430.4	8240.7	7993.0	7619.4	7250.6	6742.5	6135.3	5405.9
-32.5°	5984.0	6302.9	6519.0	6647.7	6519.0	6302.9	5984.0	5644.1	5239.6	4734.6	4122.6
-35°	4486.2	4741.5	4894.4	4856.1	4894.4	4741.5	4486.2	4194.5	3859.5	3442.9	2935.7
-37.5°	3161.2	3377.7	3531.7	3629.2	3531.7	3377.7	3161.2	2899.3	2601.9	2220.9	1878.3
-40°	1991.9	2141.6	2248.1	2316.0	2248.1	2141.6	1991.9	1799.2	1576.5	1307.5	1113.8
-42.5°	1134.4	1190.4	1228.1	1248.2	1228.1	1190.4	1134.4	1059.4	967.4	854.3	765.2
-45°	784.6	798.6	808.7	814.6	808.7	798.6	784.6	767.3	744.9	718.2	688.4
-47.5°	701.2	712.6	720.1	723.8	720.1	712.6	701.2	686.1	666.8	645.2	622.7
-50°	622.0	636.1	644.5	647.6	644.5	636.1	622.0	604.8	585.6	565.9	544.1
-52.5°	535.9	547.3	555.0	559.1	555.0	547.3	535.9	522.7	508.6	495.2	479.7
-55°	467.7	475.0	478.7	479.6	478.7	475.0	467.7	459.0	449.1	438.5	426.3
-57.5°	413.7	418.3	422.0	424.7	422.0	418.3	413.7	407.9	401.2	393.8	386.0
-60°	369.8	373.8	375.9	376.5	375.9	373.8	369.8	364.5	357.9	350.6	341.8
-62.5°	320.6	325.4	329.1	331.7	329.1	325.4	320.6	314.0	305.6	295.3	283.2
-65°	260.4	267.6	271.5	273.4	271.5	267.6	260.4	252.0	242.9	232.9	221.9
-67.5°	196.2	199.9	200.8	200.6	200.8	199.9	196.2	191.4	185.4	177.4	167.4
-70°	150.7	156.2	158.2	159.1	158.2	156.2	150.7	144.7	138.2	131.0	122.7
-72.5°	108.9	112.8	115.0	116.5	115.0	112.8	108.9	104.5	99.8	94.2	87.7
-75°	65.0	66.6	67.6	68.3	67.6	66.6	65.0	63.1	60.9	58.3	55.1
-77.5°	41.6	43.4	44.2	44.8	44.2	43.4	41.6	39.8	37.9	35.9	33.4
-80°	29.1	30.1	30.3	30.3	30.3	30.1	29.1	28.0	26.8	25.5	23.8
-82.5°	19.5	20.1	20.2	20.2	20.2	20.1	19.5	18.8	18.1	17.4	16.4
-85°	15.0	15.7	15.7	15.7	15.7	15.7	15.0	14.4	13.8	13.2	12.2
-87.5°	10.9	11.2	11.7	12.3	11.7	11.2	10.9	10.6	10.4	10.1	9.2
-90°	1.4	1.1	0.6	0.0	0.6	1.1	1.4	1.7	1.9	2.2	2.5



REPORT NUMBER: P701353 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.8	7.3	6.7	6.1	5.6	5.1	4.5	4.5	4.5	4.5	4.5
87.5°	2.8	3.1	3.4	3.4	3.4	3.4	3.4	3.7	4.0	4.2	4.5
85°	2.8	3.1	3.4	3.6	3.8	4.0	4.1	4.2	4.2	4.4	4.5
82.5°	2.8	3.1	3.4	3.7	4.0	4.2	4.5	4.5	4.5	4.5	4.5
80°	2.8	3.1	3.4	3.7	4.0	4.3	4.5	4.5	4.5	4.5	4.5
77.5°	2.9	3.2	3.5	3.7	4.0	4.3	4.5	4.5	4.5	4.5	4.5
75°	3.6	3.8	4.0	4.2	4.4	4.4	4.6	4.8	4.9	4.9	4.7
72.5°	5.0	5.3	5.5	5.9	6.0	6.2	6.2	6.1	5.9	5.7	5.5
70°	6.4	6.8	7.6	8.6	9.3	9.5	9.2	8.5	7.8	7.4	6.8
67.5°	7.0	7.6	9.1	10.7	11.9	12.8	12.8	12.1	11.2	10.3	8.7
65°	7.1	7.7	9.8	12.0	13.9	15.5	16.5	16.6	15.9	14.3	11.5
62.5°	6.9	7.7	9.4	11.4	13.9	17.3	20.7	22.0	21.8	19.3	15.5
60°	6.0	6.9	8.2	9.9	11.9	16.5	22.2	26.5	29.1	25.0	19.5
57.5°	5.3	5.9	6.7	8.0	9.6	14.7	21.5	29.2	34.1	28.5	23.3
55°	4.4	4.9	5.5	6.2	7.2	12.0	18.4	25.9	31.4	29.7	24.0
52.5°	4.5	4.8	5.1	5.4	6.4	9.2	13.5	20.5	24.6	24.3	22.5
50°	5.5	5.3	5.3	5.5	6.2	7.1	9.9	14.7	16.9	18.7	18.6
47.5°	6.5	6.3	5.8	5.6	6.3	7.0	8.0	9.4	12.0	13.0	14.2
45°	7.8	7.8	7.5	7.2	6.8	7.1	7.7	8.8	9.5	10.7	10.3
42.5°	10.8	10.1	9.5	9.9	9.3	8.6	8.5	9.6	9.8	10.1	10.8
40°	16.8	14.9	14.3	14.0	13.5	11.8	12.0	11.7	11.6	10.9	12.7
37.5°	29.2	25.4	23.5	20.5	19.4	18.3	17.3	16.3	14.8	15.2	16.1
35°	50.5	45.3	39.6	33.5	27.6	26.9	24.4	22.2	21.1	21.2	21.0
32.5°	81.0	81.6	67.8	56.2	46.4	39.6	34.6	29.6	30.9	29.8	27.4
30°	162.5	151.2	128.8	100.3	84.8	62.5	48.4	45.1	43.0	40.8	35.3
27.5°	314.8	263.7	230.0	202.2	148.8	108.3	78.7	64.4	57.7	53.2	48.5
25°	539.8	446.4	402.1	352.7	273.9	197.5	135.3	95.6	77.6	69.8	80.2
22.5°	858.6	791.4	652.8	546.8	488.3	391.6	258.7	133.1	108.8	116.4	117.6
20°	1553.1	1419.1	1113.1	992.1	860.5	645.0	435.9	274.3	203.2	176.1	160.5
17.5°	3381.6	2533.9	2231.9	1910.2	1482.7	1043.9	853.0	567.4	326.0	245.4	208.5
15°	6415.9	5085.7	4172.6	3351.9	2576.5	2064.5	1530.6	938.3	511.4	342.5	277.3
12.5°	11799.4	8766.4	6522.8	5347.9	4371.8	3455.9	2481.3	1528.2	823.1	490.9	381.3
10°	17758.9	13263.4	9930.3	7844.1	6370.4	5032.6	3549.4	2171.9	1175.9	659.0	487.7
7.5°	24784.8	18317.1	13556.8	10250.0	8116.9	6302.3	4505.9	2819.7	1532.4	830.5	594.8
5°	30882.5	22512.0	16299.4	12131.8	9589.3	7521.0	5422.5	3449.1	1878.0	1000.1	700.8
2.5°	35162.4	25655.2	18586.6	13831.7	10841.5	8474.6	6136.6	3912.5	2105.1	1117.6	764.2
0°	37376.5	27626.2	19926.4	14455.1	11357.0	8787.8	6545.8	4189.4	2242.1	1212.3	822.4
-2.5°	36765.8	27154.2	19761.6	14575.7	11441.6	8815.0	6465.7	4230.2	2297.6	1241.4	827.5
-5°	34021.6	24584.3	17848.3	13272.4	10522.7	8206.9	6057.5	4031.3	2249.5	1234.2	827.4
-7.5°	29574.2	21462.2	15600.9	11731.0	9337.7	7321.7	5420.9	3602.6	2050.6	1136.9	784.0
-10°	24177.5	18031.1	13436.1	10383.8	8218.0	6398.7	4726.2	3125.9	1801.2	1024.8	736.6
-12.5°	19579.9	14908.5	11289.4	8979.1	7170.6	5588.0	4067.6	2634.9	1504.2	900.2	686.0
-15°	15431.2	12290.8	9835.3	7826.2	6152.1	4771.1	3435.9	2147.5	1187.4	770.6	632.9
-17.5°	12938.0	10304.3	8428.3	6768.0	5306.3	4007.0	2834.6	1755.4	985.4	675.0	588.6
-20°	10861.2	8987.2	7277.0	5787.4	4486.1	3307.1	2223.8	1334.8	826.1	625.0	551.9



REPORT NUMBER: P701353 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9196.3	7742.6	6235.2	4836.6	3651.9	2620.3	1697.3	977.8	650.4	574.1	513.1
-25°	7542.5	6463.6	5203.7	4016.2	2883.7	1920.5	1188.5	789.1	600.1	526.9	472.4
-27.5°	6015.5	5107.2	4243.0	3178.0	2173.5	1377.1	874.1	627.9	559.4	494.7	432.3
-30°	4640.0	3939.0	3185.9	2331.5	1548.0	956.2	666.6	584.0	523.5	463.7	404.1
-32.5°	3456.0	2849.5	2181.3	1563.7	1017.9	718.3	607.9	542.7	488.4	433.5	385.6
-35°	2389.8	1883.7	1356.2	994.1	718.5	631.2	571.4	512.8	454.8	405.6	368.1
-37.5°	1483.2	1117.9	895.4	695.9	644.1	592.6	540.1	480.8	423.7	384.6	352.1
-40°	940.8	748.1	692.4	644.5	601.9	560.2	501.3	443.8	402.9	364.6	336.5
-42.5°	722.0	678.3	639.0	602.1	560.4	508.5	458.8	419.7	382.4	349.3	325.4
-45°	657.0	624.5	591.8	548.6	501.3	463.6	430.8	395.9	362.7	337.6	315.8
-47.5°	594.1	560.0	523.6	491.7	459.2	428.6	400.8	372.0	348.5	325.5	294.8
-50°	522.1	496.6	470.8	445.6	420.4	394.6	374.0	356.0	330.4	300.7	268.4
-52.5°	462.8	443.9	424.0	403.5	386.6	369.7	352.3	328.2	301.6	267.8	232.3
-55°	412.3	399.9	387.4	374.4	359.4	337.7	315.8	290.5	260.1	227.1	195.7
-57.5°	377.9	367.0	351.3	334.5	316.8	292.7	266.3	240.1	216.0	187.6	158.9
-60°	331.4	319.1	300.2	279.3	256.6	233.5	213.7	193.2	171.9	148.4	124.0
-62.5°	269.0	252.8	236.1	219.3	201.0	182.1	165.1	148.0	129.4	109.5	92.9
-65°	209.7	196.2	181.6	166.7	151.2	135.1	120.3	106.6	93.6	79.5	65.8
-67.5°	156.0	143.3	130.5	118.7	108.2	96.5	85.7	74.3	66.1	59.0	51.8
-70°	113.9	104.8	95.6	85.8	76.8	69.2	63.0	57.1	50.8	43.6	36.4
-72.5°	81.2	75.0	69.0	62.9	57.2	51.2	44.8	38.4	32.1	25.9	21.4
-75°	51.5	47.4	42.8	37.9	32.9	27.7	24.6	22.4	20.2	18.1	16.1
-77.5°	30.8	28.2	25.8	23.8	21.7	19.5	17.4	15.9	14.8	13.8	12.9
-80°	22.0	20.3	18.6	17.2	15.9	14.6	13.5	12.7	11.9	11.2	10.5
-82.5°	15.4	14.3	13.3	12.4	11.6	10.7	9.8	9.4	9.0	8.6	8.2
-85°	11.3	10.4	9.4	8.8	8.2	7.6	7.0	6.9	6.8	6.6	6.5
-87.5°	8.4	7.5	6.7	6.4	6.1	5.7	5.4	5.4	5.3	5.3	5.3
-90°	2.8	3.1	3.4	3.4	3.4	3.4	3.4	3.7	4.0	4.2	4.5



REPORT NUMBER: P701353 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	4.5	4.5	4.5	4.5	4.8	5.1	5.3	5.6	5.3	5.1	4.8
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.7	4.7
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.7	4.9	5.0
82.5°	4.5	4.5	4.5	4.5	4.7	4.8	4.8	4.8	4.9	5.1	5.3
80°	4.5	4.5	4.5	4.5	4.8	5.1	5.2	5.3	5.2	5.3	5.4
77.5°	4.5	4.5	4.5	4.6	4.8	5.1	5.4	5.6	5.5	5.4	5.5
75°	4.5	4.5	4.5	4.6	4.9	5.1	5.4	5.6	5.6	5.6	5.6
72.5°	5.3	5.0	4.7	4.6	4.9	5.2	5.4	5.6	5.6	5.6	5.6
70°	6.2	5.7	5.4	5.2	5.1	5.2	5.5	5.6	5.6	5.6	5.6
67.5°	7.3	6.6	6.0	5.7	5.4	5.4	5.5	5.6	5.6	5.6	5.6
65°	9.7	8.1	6.6	6.1	5.7	5.6	5.6	5.6	5.6	5.6	5.6
62.5°	12.4	10.1	8.4	6.8	6.0	5.7	5.6	5.6	5.6	5.6	5.6
60°	15.2	12.2	10.0	8.2	6.7	5.7	5.6	5.6	5.6	5.6	5.6
57.5°	17.9	13.9	11.4	9.5	7.8	6.2	5.6	5.6	5.6	5.6	5.6
55°	19.5	15.3	12.6	10.4	8.7	7.1	5.9	5.6	5.6	5.6	5.6
52.5°	18.6	16.0	13.6	11.1	9.2	7.9	6.6	5.6	5.6	5.6	5.6
50°	16.3	15.7	14.0	11.6	9.6	8.3	7.3	6.1	5.6	5.6	5.7
47.5°	14.7	15.0	14.0	11.8	9.7	8.6	7.7	6.6	5.6	5.6	5.7
45°	13.0	14.2	13.9	12.1	9.9	9.0	8.0	7.0	5.9	5.7	5.8
42.5°	11.7	13.5	13.6	12.4	10.8	9.3	8.3	7.3	6.2	5.7	5.9
40°	13.3	13.2	13.6	13.3	11.8	9.6	8.6	7.5	6.5	5.9	6.0
37.5°	15.9	14.8	14.1	15.6	13.3	10.7	8.8	7.7	6.9	6.2	6.1
35°	20.1	18.0	17.4	18.8	16.3	11.8	9.0	7.9	7.4	6.5	6.1
32.5°	25.2	23.8	23.4	22.7	20.2	13.1	9.8	8.8	8.0	6.8	6.2
30°	33.6	34.6	30.4	27.5	24.8	16.7	11.3	9.7	8.7	7.1	6.3
27.5°	52.0	48.5	39.0	33.8	29.4	21.5	13.9	10.8	9.5	7.5	6.5
25°	76.3	67.1	52.8	41.1	34.5	33.6	16.8	12.1	10.4	8.1	6.8
22.5°	107.9	89.9	68.7	48.8	52.7	49.4	23.3	14.4	11.4	8.8	7.0
20°	144.1	115.9	90.7	75.5	73.9	65.4	34.9	16.9	12.4	9.5	7.2
17.5°	184.0	160.0	137.5	110.1	96.5	83.1	48.4	19.5	13.5	10.2	7.4
15°	255.4	226.1	188.5	147.6	120.1	102.2	63.4	22.2	14.6	10.9	7.7
12.5°	337.2	295.6	242.2	187.3	144.5	122.3	79.4	24.9	15.7	11.9	8.3
10°	421.3	367.3	297.7	228.4	169.3	143.1	95.8	28.5	18.0	13.2	8.9
7.5°	506.5	439.9	353.8	269.9	194.6	165.2	114.1	33.9	20.5	14.5	9.5
5°	586.0	503.8	401.1	305.8	221.5	188.3	131.8	39.2	23.1	15.7	10.1
2.5°	640.3	552.3	440.8	338.5	247.9	210.7	148.2	44.4	25.6	16.8	10.6
0°	691.3	597.2	477.3	368.6	273.4	231.9	162.5	49.3	28.0	17.9	11.2
-2.5°	700.7	604.8	482.4	376.2	283.9	240.1	167.9	58.2	33.9	21.1	12.8
-5°	706.3	607.8	484.1	381.2	293.0	246.3	171.0	66.5	39.5	24.1	14.2
-7.5°	678.6	588.2	475.0	381.8	300.8	250.6	172.0	74.0	44.6	26.9	15.6
-10°	641.6	553.9	451.3	367.8	298.5	249.9	171.0	80.6	49.2	29.3	16.8
-12.5°	602.8	517.1	426.7	352.9	294.0	245.3	167.9	86.5	53.1	31.4	17.9
-15°	562.6	478.5	402.0	337.8	289.3	239.9	163.7	91.4	56.8	33.3	18.8
-17.5°	523.4	438.5	377.8	322.9	284.7	233.9	158.7	95.0	59.7	35.1	19.7
-20°	485.7	408.1	355.2	308.8	280.3	227.6	153.2	97.2	61.6	36.2	20.5



REPORT NUMBER: P701353 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-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°	447.8	387.1	340.4	301.0	273.9	221.1	147.4	98.1	62.4	36.6	21.1
-25°	411.1	366.8	326.6	295.6	264.3	211.5	144.5	97.4	62.1	36.2	21.4
-27.5°	385.0	348.3	313.1	289.6	253.1	202.6	143.1	96.8	61.0	35.0	21.3
-30°	363.9	333.2	304.5	281.2	241.6	189.3	139.8	94.8	59.6	34.2	21.0
-32.5°	348.8	318.9	296.7	267.9	226.7	175.2	131.6	91.1	57.0	33.7	20.4
-35°	336.4	309.3	287.7	254.5	209.8	162.8	121.0	85.8	53.2	32.7	19.6
-37.5°	323.4	301.7	273.2	238.5	192.3	149.0	110.4	77.3	48.1	31.2	18.4
-40°	314.7	290.6	259.3	218.7	175.3	133.9	98.5	68.8	44.9	29.2	16.9
-42.5°	304.9	274.3	238.5	198.1	157.4	119.6	85.8	59.7	41.2	27.0	14.9
-45°	285.9	253.4	214.0	175.9	138.5	103.9	75.1	50.6	36.9	24.3	13.2
-47.5°	263.1	225.1	188.2	152.3	119.6	88.1	63.7	45.3	32.2	21.1	12.1
-50°	230.9	195.5	161.1	129.5	99.1	74.9	53.1	39.4	27.5	17.0	10.7
-52.5°	197.9	164.7	134.8	106.4	82.4	61.1	45.9	33.1	22.6	14.3	9.2
-55°	164.0	135.6	109.3	86.4	66.1	51.0	38.1	27.2	17.3	12.2	7.7
-57.5°	132.6	107.5	86.9	67.6	53.4	41.6	30.6	20.9	14.3	10.1	7.8
-60°	101.9	83.6	65.6	53.8	43.2	32.7	23.1	15.6	11.9	8.3	7.8
-62.5°	76.3	61.6	52.4	42.8	33.3	24.2	16.3	13.0	9.5	8.2	7.8
-65°	57.6	49.2	40.6	32.0	23.5	16.8	13.5	10.4	8.7	8.0	7.7
-67.5°	44.3	36.3	28.6	21.0	16.8	13.7	10.7	9.2	8.3	7.8	7.4
-70°	29.5	22.7	18.9	16.0	13.1	10.7	9.5	8.4	7.8	7.5	7.1
-72.5°	19.1	16.7	14.3	12.0	10.9	9.7	8.6	7.7	7.4	7.1	6.8
-75°	14.0	12.8	11.8	10.8	9.8	8.7	7.8	7.3	7.0	6.7	6.5
-77.5°	11.9	11.1	10.4	9.5	8.5	7.7	7.2	6.8	6.6	6.4	6.1
-80°	9.8	9.1	8.4	7.6	7.1	6.7	6.5	6.4	6.2	6.0	5.8
-82.5°	7.6	7.1	6.7	6.4	6.3	6.1	6.0	5.9	5.8	5.6	5.5
-85°	6.3	6.1	5.9	5.8	5.7	5.6	5.6	5.6	5.5	5.4	5.3
-87.5°	5.2	5.2	5.2	5.1	5.2	5.3	5.5	5.6	5.4	5.2	5.0
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5



REPORT NUMBER: P701353 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.5	4.8	5.1	5.3	5.6	5.0	4.5
87.5°	4.8	4.7	4.7	4.6	4.6	4.5	4.5
85°	5.1	5.0	4.9	4.8	4.7	4.6	4.5
82.5°	5.4	5.2	5.1	4.9	4.8	4.6	4.5
80°	5.6	5.4	5.3	5.1	4.9	4.7	4.5
77.5°	5.6	5.6	5.4	5.2	5.0	4.7	4.5
75°	5.6	5.6	5.6	5.4	5.1	4.8	4.5
72.5°	5.6	5.6	5.6	5.5	5.2	4.8	4.5
70°	5.6	5.6	5.6	5.6	5.3	4.9	4.5
67.5°	5.6	5.6	5.6	5.6	5.3	4.9	4.5
65°	5.6	5.6	5.6	5.6	5.4	5.0	4.5
62.5°	5.6	5.6	5.6	5.6	5.5	5.0	4.5
60°	5.6	5.6	5.6	5.6	5.6	5.0	4.5
57.5°	5.6	5.6	5.6	5.6	5.6	5.1	4.5
55°	5.6	5.6	5.6	5.6	5.6	5.1	4.5
52.5°	5.6	5.6	5.6	5.6	5.6	5.2	4.5
50°	5.6	5.6	5.6	5.6	5.6	5.2	4.5
47.5°	5.6	5.6	5.6	5.6	5.6	5.2	4.5
45°	5.7	5.6	5.6	5.6	5.6	5.3	4.5
42.5°	5.8	5.6	5.6	5.6	5.6	5.3	4.5
40°	5.9	5.6	5.6	5.6	5.6	5.3	4.5
37.5°	6.1	5.6	5.6	5.6	5.6	5.4	4.5
35°	6.2	5.7	5.6	5.6	5.6	5.4	4.5
32.5°	6.3	5.8	5.6	5.6	5.6	5.4	4.5
30°	6.4	5.9	5.6	5.6	5.6	5.5	4.5
27.5°	6.5	6.0	5.6	5.6	5.6	5.5	4.5
25°	6.5	6.2	5.6	5.6	5.6	5.5	4.5
22.5°	6.6	6.3	5.6	5.6	5.6	5.5	4.5
20°	6.7	6.4	5.6	5.6	5.6	5.5	4.5
17.5°	6.8	6.4	5.6	5.6	5.6	5.5	4.5
15°	6.9	6.5	5.6	5.6	5.6	5.6	4.5
12.5°	7.0	6.6	5.6	5.6	5.6	5.6	4.5
10°	7.2	6.6	5.6	5.6	5.6	5.6	4.5
7.5°	7.3	6.7	5.6	5.6	5.6	5.6	4.5
5°	7.5	6.7	5.6	5.6	5.6	5.6	4.5
2.5°	7.6	6.7	5.6	5.6	5.6	5.6	4.5
0°	7.8	6.7	5.6	5.6	5.6	5.6	4.5
-2.5°	8.5	6.8	5.6	5.6	5.6	5.6	4.5
-5°	9.2	6.9	5.6	5.6	5.6	5.6	4.5
-7.5°	9.9	7.0	5.6	5.6	5.6	5.6	4.5
-10°	10.5	7.1	5.6	5.6	5.6	5.6	4.5
-12.5°	10.9	7.1	5.6	5.6	5.6	5.6	4.5
-15°	11.3	7.1	5.6	5.6	5.6	5.6	4.5
-17.5°	11.5	7.1	5.6	5.6	5.6	5.6	4.5
-20°	11.7	7.0	5.6	5.6	5.6	5.5	4.5



REPORT NUMBER: P701353 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0320L-40-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	11.9	6.9	5.6	5.6	5.6	5.5	4.5
-25°	12.0	6.9	5.6	5.6	5.6	5.5	4.5
-27.5°	11.8	6.9	5.6	5.6	5.6	5.5	4.5
-30°	11.4	6.8	5.6	5.6	5.6	5.5	4.5
-32.5°	10.7	6.7	5.7	5.6	5.6	5.5	4.5
-35°	10.3	6.4	5.8	5.6	5.6	5.5	4.5
-37.5°	10.0	6.2	5.8	5.6	5.6	5.4	4.5
-40°	9.5	6.3	5.9	5.6	5.6	5.4	4.5
-42.5°	8.8	6.4	6.0	5.6	5.6	5.4	4.5
-45°	8.1	6.5	6.0	5.6	5.6	5.4	4.5
-47.5°	7.1	6.5	6.0	5.7	5.6	5.4	4.5
-50°	7.1	6.6	6.1	5.7	5.6	5.4	4.5
-52.5°	7.1	6.7	6.1	5.7	5.6	5.3	4.5
-55°	7.2	6.7	6.1	5.7	5.6	5.3	4.5
-57.5°	7.3	6.6	6.0	5.7	5.6	5.3	4.5
-60°	7.4	6.6	6.0	5.7	5.6	5.3	4.5
-62.5°	7.2	6.5	6.0	5.7	5.6	5.3	4.5
-65°	7.0	6.4	5.9	5.7	5.6	5.3	4.5
-67.5°	6.8	6.3	5.8	5.6	5.6	5.2	4.5
-70°	6.6	6.1	5.8	5.6	5.6	5.2	4.5
-72.5°	6.4	6.0	5.7	5.6	5.6	5.2	4.5
-75°	6.2	5.8	5.6	5.5	5.6	5.2	4.5
-77.5°	5.9	5.7	5.5	5.5	5.6	5.2	4.5
-80°	5.6	5.5	5.4	5.5	5.6	5.1	4.5
-82.5°	5.4	5.3	5.3	5.4	5.6	5.1	4.5
-85°	5.1	5.1	5.2	5.4	5.6	5.1	4.5
-87.5°	4.8	5.0	5.1	5.4	5.6	5.1	4.5
-90°	4.5	4.5	4.5	4.5	4.5	4.5	4.5

(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

