Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P413404 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-0320L-40-70-1S-HEG**

Issue Date: 10/30/2020

Report Generated By E9812814

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P413404 (CONVERTED FROM TYPE C PHOTOMETRY) TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1912-617-4)
Test Lab:	INNOVATION CENTER
Issue Date:	10/30/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	EPHESUS
Catalog Number:	EPH-08-0320L-40-70-1S-HEG
Description:	EPHESUS LUMASPORT 8 LUMINAIRE (8) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	53678.6 lumens	Max Intensity:	440681.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	155.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	17.6°H x 17.6°V	Field Angle (10%):	33.3°H x 33.3°V
Beam Lumens:	19537 lumens	Field Lumens:	43798.5 lumens
Beam Efficiency:	36.4%	Field Efficiency:	81.6%

Input Watts (W):	346
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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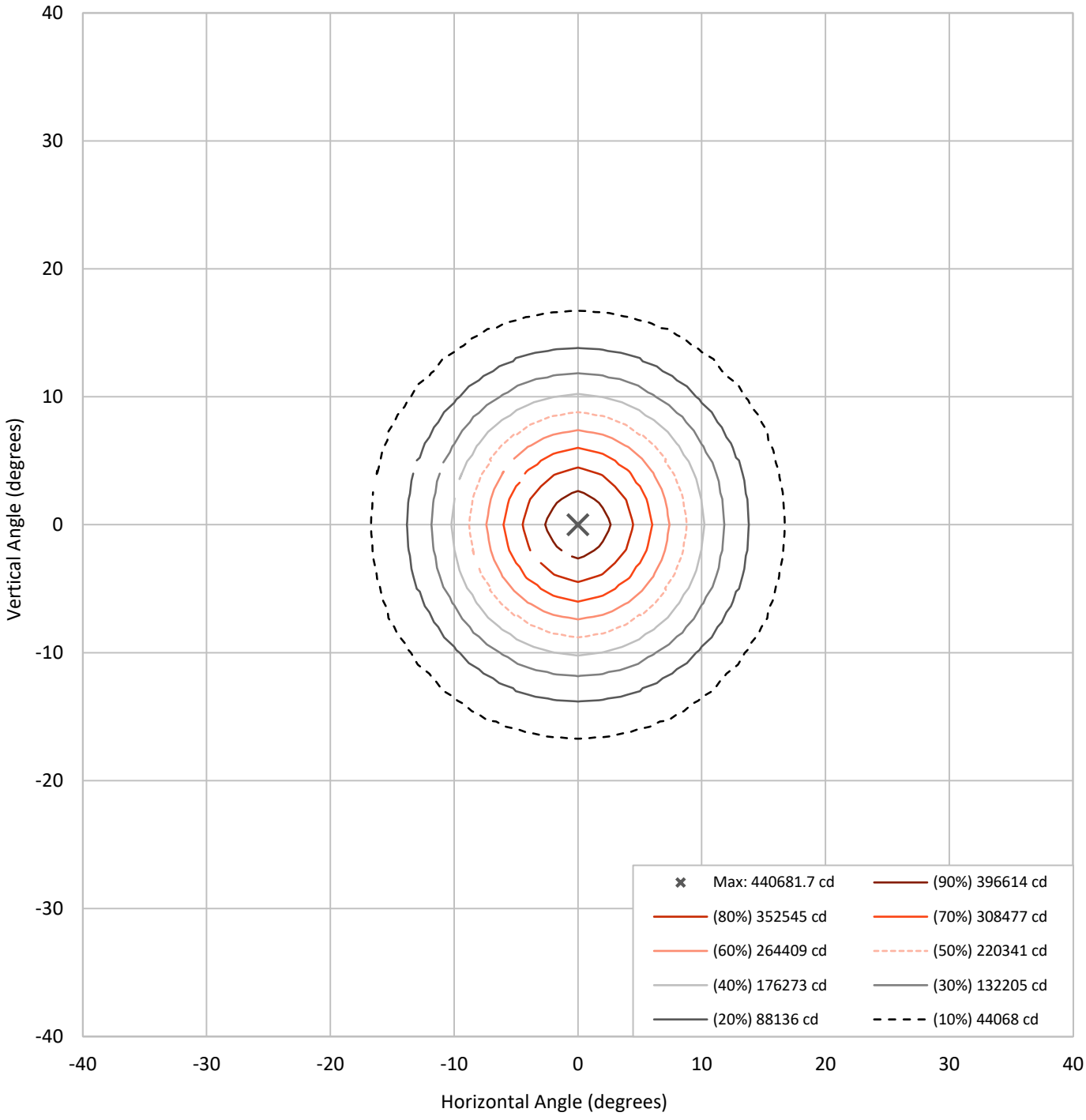
Iso-Candela Plot



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Lumen Table

Vertical Angle (degrees)	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
90	0.2	0.9		2.1		4.5		5.8		4.5		2.1		0.9		0.2			
80																			
70	0.4	0.3	0.9	2.9	5.9	9.2	11.9	13.4	13.4	11.9	9.2	5.9	2.9	0.9	0.3	0.4			
60		0.7	3.5	8.5	14.7	19.7	22.8	24.6	24.6	22.8	19.7	14.7	8.5	3.5	0.7				
50	0.6	1.8	7.0	14.5	20.8	37.0	59.7	71.9	71.9	59.7	37.0	20.8	14.5	7.0	1.8	0.6			
40		3.1	10.4	18.0	45.6	77.9	83.3	81.6	81.6	83.3	77.9	45.6	18.0	10.4	3.1				
30	1.2	4.4	12.5	29.2	70.5	73.4	77.5	136.3	136.3	77.5	73.4	70.5	29.2	12.5	4.4	1.2			
20		5.4	13.6	44.3	70.6	72.8	471.2	1874.1	1874.1	471.2	72.8	70.6	44.3	13.6	5.4				
10	1.5	5.9	14.2	51.6	67.0	125.4	1829.1	7685.5	7685.5	1829.1	125.4	67.0	51.6	14.2	5.9	1.5			
0		5.9	14.2	51.6	67.0	125.4	1829.1	7685.5	7685.5	1829.1	125.4	67.0	51.6	14.2	5.9				
-10	1.2	5.4	13.6	44.3	70.6	72.8	471.2	1874.1	1874.1	471.2	72.8	70.6	44.3	13.6	5.4	1.2			
-20		4.4	12.5	29.2	70.5	73.4	77.5	136.3	136.3	77.5	73.4	70.5	29.2	12.5	4.4				
-30	0.6	3.1	10.4	18.0	45.6	77.9	83.3	81.6	81.6	83.3	77.9	45.6	18.0	10.4	3.1	0.6			
-40		1.8	7.0	14.5	20.8	37.0	59.7	71.9	71.9	59.7	37.0	20.8	14.5	7.0	1.8				
-50	0.4	0.7	3.5	8.5	14.7	19.7	22.8	24.6	24.6	22.8	19.7	14.7	8.5	3.5	0.7	0.4			
-60		0.3	0.9	2.9	5.9	9.2	11.9	13.4	13.4	11.9	9.2	5.9	2.9	0.9	0.3				
-70																			
-80	0.2	0.9		2.1		4.5		5.8		4.5		2.1		0.9		0.2			
-90																			

Horizontal Angle (degrees)

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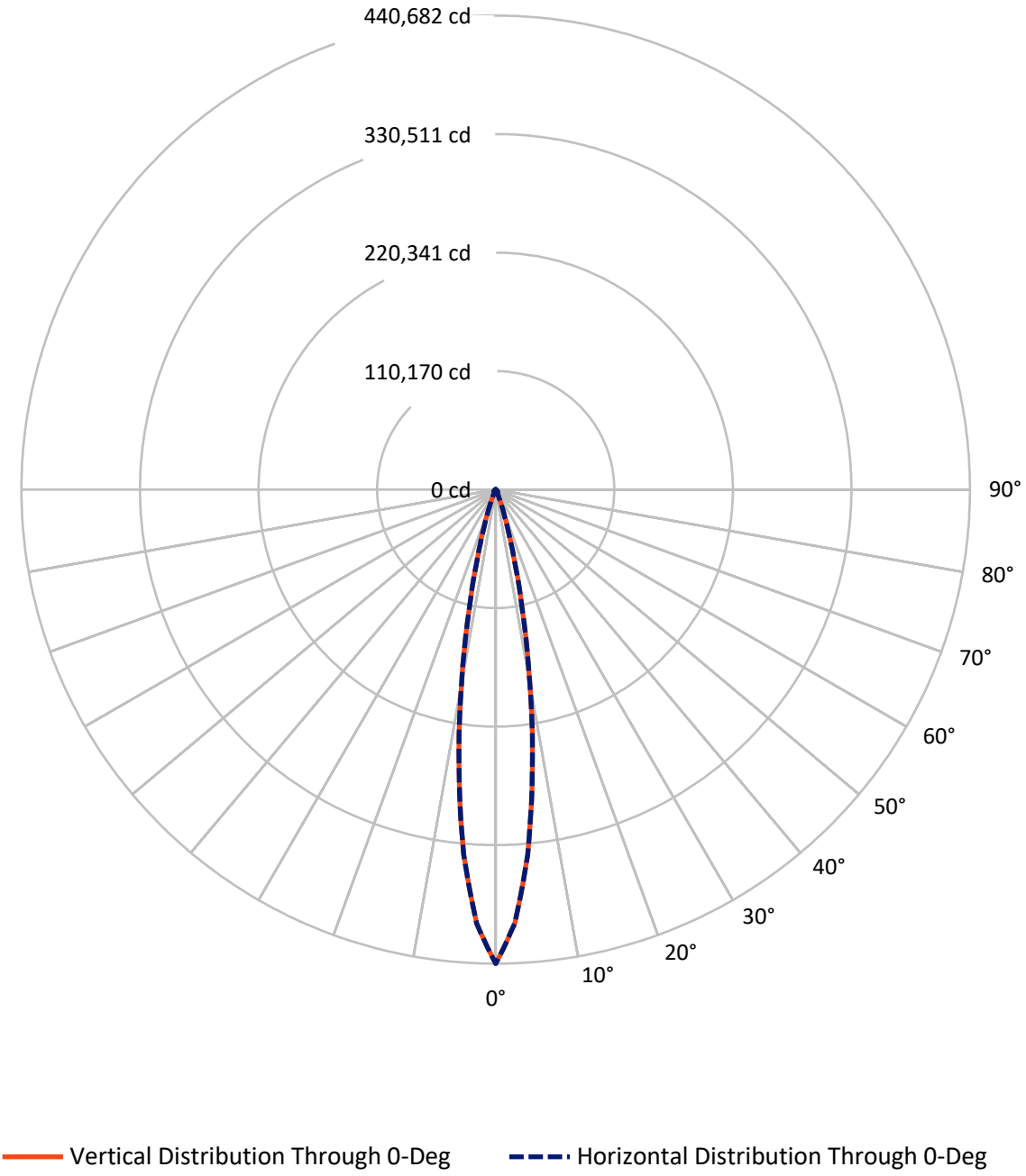
Luminous Intensity Polar Plot



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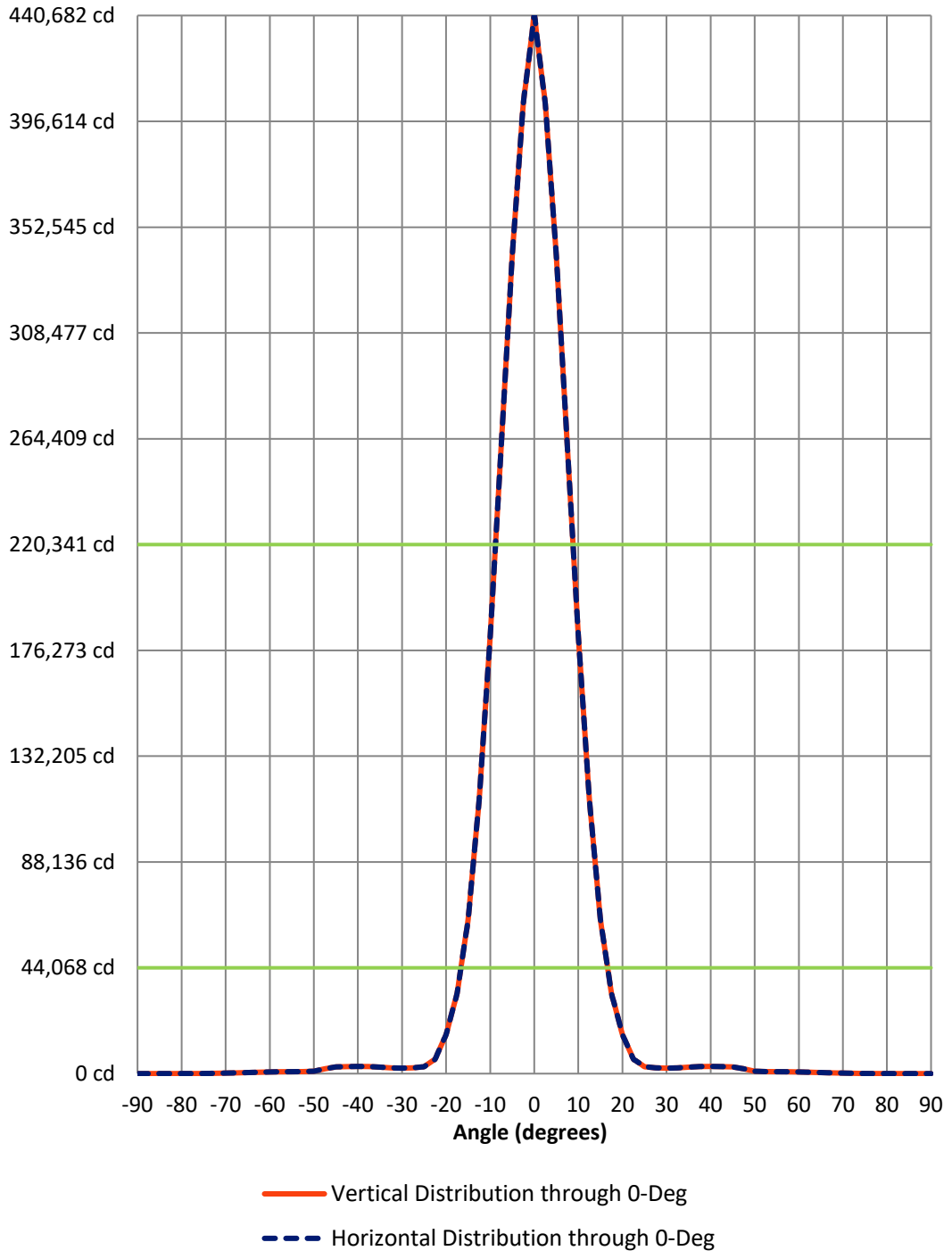
Luminous Intensity Plot



Beam:

H Angle:	17.6°
V Angle:	17.6°
Lumens:	19537
Efficiency:	36.4%

Field:

H Angle:	33.3°
V Angle:	33.3°
Lumens:	43798.5
Efficiency:	81.6%

Spill:

Lumens:	9880.1
Efficiency:	18.4%

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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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9
82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.4	9.2	11.0
80°	0.0	1.2	2.4	3.6	4.8	6.0	7.5	10.0	12.4	14.9	17.3
77.5°	0.0	1.5	3.0	4.5	6.0	8.1	11.3	14.4	17.5	20.5	20.9
75°	0.0	1.8	3.6	5.4	7.5	11.3	15.0	18.8	21.7	19.0	16.4
72.5°	0.0	2.1	4.2	6.3	10.0	14.4	18.8	21.2	18.0	14.9	11.9
70°	0.0	2.4	4.8	7.4	12.4	17.5	21.7	18.0	14.4	11.2	17.8
67.5°	0.0	2.7	5.4	9.2	14.9	20.5	19.0	14.9	11.2	18.7	26.2
65°	0.0	3.0	5.9	11.0	17.3	20.9	16.4	11.9	17.8	26.2	31.1
62.5°	0.0	3.2	6.5	12.7	19.6	18.8	13.8	15.0	24.3	31.4	28.0
60°	0.0	3.5	7.0	14.5	21.9	16.7	11.3	20.6	30.7	28.7	25.0
57.5°	0.0	3.8	8.1	16.1	20.4	14.6	15.1	26.1	30.1	26.0	30.2
55°	0.0	4.0	9.2	17.8	18.8	12.6	19.7	31.4	27.8	25.8	39.3
52.5°	0.0	4.3	10.2	19.3	17.3	11.6	24.1	30.2	25.5	33.7	48.1
50°	0.0	4.5	11.3	20.9	15.8	15.2	28.4	28.3	26.0	41.4	74.7
47.5°	0.0	4.7	12.3	21.7	14.4	18.6	31.8	26.5	32.6	48.8	102.5
45°	0.0	4.9	13.2	20.7	13.0	21.9	30.3	24.7	39.0	72.5	129.3
42.5°	0.0	5.2	14.1	19.7	11.6	25.1	28.8	27.1	45.1	95.7	156.7
40°	0.0	5.4	15.0	18.8	12.2	28.2	27.4	32.2	55.4	117.9	183.1
37.5°	0.0	5.6	15.8	17.8	14.5	31.1	26.1	37.0	74.0	139.4	208.3
35°	0.0	5.7	16.6	17.0	16.7	31.3	24.8	41.6	91.7	160.8	232.2
32.5°	0.0	5.9	17.3	16.2	18.7	30.3	25.1	45.9	108.4	181.0	254.5
30°	0.0	6.1	18.0	15.4	20.7	29.4	28.5	52.2	124.0	199.9	275.5
27.5°	0.0	6.2	18.6	14.7	22.4	28.6	31.7	64.8	138.9	217.4	295.0
25°	0.0	6.3	19.2	14.1	24.1	27.8	34.7	76.4	153.2	233.6	313.3
22.5°	0.0	6.5	19.7	13.5	25.5	27.1	37.3	87.0	166.2	248.2	338.3
20°	0.0	6.6	20.2	13.0	26.9	26.4	39.8	96.6	178.0	261.4	360.8
17.5°	0.0	6.7	20.6	12.5	28.1	25.9	41.9	105.0	188.5	273.2	380.8
15°	0.0	6.8	21.0	12.1	29.1	25.4	43.8	112.4	197.6	283.5	398.3
12.5°	0.0	6.8	21.3	11.8	30.0	25.0	45.4	118.7	205.3	292.2	413.2
10°	0.0	6.9	21.5	11.5	30.7	24.6	46.7	123.9	211.7	299.4	425.4
7.5°	0.0	6.9	21.7	11.3	31.3	24.3	47.7	127.9	216.7	305.0	435.0
5°	0.0	7.0	21.9	11.1	31.7	24.2	48.4	130.8	220.2	309.0	441.8
2.5°	0.0	7.0	22.0	11.0	31.9	24.0	48.9	132.5	222.4	311.4	445.9
0°	*0.0*	*7.0*	*22.0*	*11.0*	*32.0*	*24.0*	*49.0*	*133.1*	*223.1*	*312.2*	*447.3*
-2.5°	0.0	7.0	22.0	11.0	31.9	24.0	48.9	132.5	222.4	311.4	445.9
-5°	0.0	7.0	21.9	11.1	31.7	24.2	48.4	130.8	220.2	309.0	441.8
-7.5°	0.0	6.9	21.7	11.3	31.3	24.3	47.7	127.9	216.7	305.0	435.0
-10°	0.0	6.9	21.5	11.5	30.7	24.6	46.7	123.9	211.7	299.4	425.4
-12.5°	0.0	6.8	21.3	11.8	30.0	25.0	45.4	118.7	205.3	292.2	413.2
-15°	0.0	6.8	21.0	12.1	29.1	25.4	43.8	112.4	197.6	283.5	398.3
-17.5°	0.0	6.7	20.6	12.5	28.1	25.9	41.9	105.0	188.5	273.2	380.8
-20°	0.0	6.6	20.2	13.0	26.9	26.4	39.8	96.6	178.0	261.4	360.8

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REPORT NUMBER: P413404 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-0320L-40-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.5	19.7	13.5	25.5	27.1	37.3	87.0	166.2	248.2	338.3
-25°	0.0	6.3	19.2	14.1	24.1	27.8	34.7	76.4	153.2	233.6	313.3
-27.5°	0.0	6.2	18.6	14.7	22.4	28.6	31.7	64.8	138.9	217.4	295.0
-30°	0.0	6.1	18.0	15.4	20.7	29.4	28.5	52.2	124.0	199.9	275.5
-32.5°	0.0	5.9	17.3	16.2	18.7	30.3	25.1	45.9	108.4	181.0	254.5
-35°	0.0	5.7	16.6	17.0	16.7	31.3	24.8	41.6	91.7	160.8	232.2
-37.5°	0.0	5.6	15.8	17.8	14.5	31.1	26.1	37.0	74.0	139.4	208.3
-40°	0.0	5.4	15.0	18.8	12.2	28.2	27.4	32.2	55.4	117.9	183.1
-42.5°	0.0	5.2	14.1	19.7	11.6	25.1	28.8	27.1	45.1	95.7	156.7
-45°	0.0	4.9	13.2	20.7	13.0	21.9	30.3	24.7	39.0	72.5	129.3
-47.5°	0.0	4.7	12.3	21.7	14.4	18.6	31.8	26.5	32.6	48.8	102.5
-50°	0.0	4.5	11.3	20.9	15.8	15.2	28.4	28.3	26.0	41.4	74.7
-52.5°	0.0	4.3	10.2	19.3	17.3	11.6	24.1	30.2	25.5	33.7	48.1
-55°	0.0	4.0	9.2	17.8	18.8	12.6	19.7	31.4	27.8	25.8	39.3
-57.5°	0.0	3.8	8.1	16.1	20.4	14.6	15.1	26.1	30.1	26.0	30.2
-60°	0.0	3.5	7.0	14.5	21.9	16.7	11.3	20.6	30.7	28.7	25.0
-62.5°	0.0	3.2	6.5	12.7	19.6	18.8	13.8	15.0	24.3	31.4	28.0
-65°	0.0	3.0	5.9	11.0	17.3	20.9	16.4	11.9	17.8	26.2	31.1
-67.5°	0.0	2.7	5.4	9.2	14.9	20.5	19.0	14.9	11.2	18.7	26.2
-70°	0.0	2.4	4.8	7.4	12.4	17.5	21.7	18.0	14.4	11.2	17.8
-72.5°	0.0	2.1	4.2	6.3	10.0	14.4	18.8	21.2	18.0	14.9	11.9
-75°	0.0	1.8	3.6	5.4	7.5	11.3	15.0	18.8	21.7	19.0	16.4
-77.5°	0.0	1.5	3.0	4.5	6.0	8.1	11.3	14.4	17.5	20.5	20.9
-80°	0.0	1.2	2.4	3.6	4.8	6.0	7.5	10.0	12.4	14.9	17.3
-82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.4	9.2	11.0
-85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9
-87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	3.5	3.8	4.0	4.3	4.5	4.7	4.9	5.2	5.4	5.6
85°	6.5	7.0	8.1	9.2	10.2	11.3	12.3	13.2	14.1	15.0	15.8
82.5°	12.7	14.5	16.1	17.8	19.3	20.9	21.7	20.7	19.7	18.8	17.8
80°	19.6	21.9	20.4	18.8	17.3	15.8	14.4	13.0	11.6	12.2	14.5
77.5°	18.8	16.7	14.6	12.6	11.6	15.2	18.6	21.9	25.1	28.2	31.1
75°	13.8	11.3	15.1	19.7	24.1	28.4	31.8	30.3	28.8	27.4	26.1
72.5°	15.0	20.6	26.1	31.4	30.2	28.3	26.5	24.7	27.1	32.2	37.0
70°	24.3	30.7	30.1	27.8	25.5	26.0	32.6	39.0	45.1	55.4	74.0
67.5°	31.4	28.7	26.0	25.8	33.7	41.4	48.8	72.5	95.7	117.9	139.4
65°	28.0	25.0	30.2	39.3	48.1	74.7	102.5	129.3	156.7	183.1	208.3
62.5°	24.6	32.5	42.6	61.0	93.6	125.2	157.5	189.1	219.6	248.6	276.2
60°	32.5	43.8	68.6	105.0	141.1	178.0	213.8	248.2	281.3	313.3	359.2
57.5°	42.6	68.6	108.9	149.3	190.4	230.4	268.9	306.1	357.4	409.7	459.0
55°	61.0	105.0	149.3	194.6	238.7	281.4	328.4	389.3	448.2	501.4	552.4
52.5°	93.6	141.1	190.4	238.7	285.5	341.1	408.7	472.5	532.1	588.7	641.1
50°	125.2	178.0	230.4	281.4	341.1	415.1	484.8	550.6	612.5	671.1	717.1
47.5°	157.5	213.8	268.9	328.4	408.7	484.8	556.8	624.5	689.3	733.7	774.5
45°	189.1	248.2	306.1	389.3	472.5	550.6	624.5	695.4	742.0	780.5	794.3
42.5°	219.6	281.3	357.4	448.2	532.1	612.5	689.3	742.0	781.8	797.0	814.9
40°	248.6	313.3	409.7	501.4	588.7	671.1	733.7	780.5	797.0	816.9	838.4
37.5°	276.2	359.2	459.0	552.4	641.1	717.1	774.5	794.3	814.9	838.4	934.8
35°	302.4	402.9	503.8	599.7	691.1	753.5	788.9	809.1	834.5	925.9	1214.3
32.5°	334.9	444.1	546.2	643.6	724.7	780.8	800.6	826.7	899.5	1097.9	1810.9
30°	370.1	480.8	585.5	684.9	755.0	791.2	815.1	856.0	977.4	1632.8	2295.5
27.5°	402.9	514.7	620.9	714.5	779.3	800.9	829.6	924.5	1340.2	2109.9	2710.0
25°	433.2	546.2	653.8	738.7	787.6	812.5	855.7	988.5	1782.4	2473.8	2842.3
22.5°	460.1	574.9	683.9	761.0	795.3	824.1	910.4	1318.9	2150.6	2798.0	2898.1
20°	483.6	599.7	706.0	778.6	802.3	834.6	960.2	1665.5	2437.6	2845.6	2936.4
17.5°	504.6	621.8	722.5	784.3	810.5	859.1	1044.3	1976.8	2695.9	2888.5	2965.1
15°	522.9	641.1	736.9	789.3	818.1	895.2	1297.0	2196.0	2815.3	2922.3	2989.2
12.5°	538.5	657.6	749.2	793.6	824.6	926.1	1513.5	2376.5	2845.4	2942.5	2974.1
10°	551.3	671.1	759.3	797.1	829.9	951.7	1692.5	2525.9	2870.4	2959.3	2961.5
7.5°	561.4	681.7	767.2	799.8	834.1	971.7	1832.9	2643.2	2890.1	2972.5	2951.6
5°	568.5	689.3	772.8	801.8	837.1	986.0	1933.9	2727.7	2904.2	2982.0	2944.4
2.5°	572.9	693.9	776.3	803.0	838.9	994.7	1994.8	2778.6	2912.7	2987.8	2940.1
0°	*574.3*	*695.4*	*777.4*	*803.4*	*839.5*	*997.6*	*2015.1*	*2795.6*	*2915.6*	*2989.7*	*2938.6*
-2.5°	572.9	693.9	776.3	803.0	838.9	994.7	1994.8	2778.6	2912.7	2987.8	2940.1
-5°	568.5	689.3	772.8	801.8	837.1	986.0	1933.9	2727.7	2904.2	2982.0	2944.4
-7.5°	561.4	681.7	767.2	799.8	834.1	971.7	1832.9	2643.2	2890.1	2972.5	2951.6
-10°	551.3	671.1	759.3	797.1	829.9	951.7	1692.5	2525.9	2870.4	2959.3	2961.5
-12.5°	538.5	657.6	749.2	793.6	824.6	926.1	1513.5	2376.5	2845.4	2942.5	2974.1
-15°	522.9	641.1	736.9	789.3	818.1	895.2	1297.0	2196.0	2815.3	2922.3	2989.2
-17.5°	504.6	621.8	722.5	784.3	810.5	859.1	1044.3	1976.8	2695.9	2888.5	2965.1
-20°	483.6	599.7	706.0	778.6	802.3	834.6	960.2	1665.5	2437.6	2845.6	2936.4

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REPORT NUMBER: P413404 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-0320L-40-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	460.1	574.9	683.9	761.0	795.3	824.1	910.4	1318.9	2150.6	2798.0	2898.1
-25°	433.2	546.2	653.8	738.7	787.6	812.5	855.7	988.5	1782.4	2473.8	2842.3
-27.5°	402.9	514.7	620.9	714.5	779.3	800.9	829.6	924.5	1340.2	2109.9	2710.0
-30°	370.1	480.8	585.5	684.9	755.0	791.2	815.1	856.0	977.4	1632.8	2295.5
-32.5°	334.9	444.1	546.2	643.6	724.7	780.8	800.6	826.7	899.5	1097.9	1810.9
-35°	302.4	402.9	503.8	599.7	691.1	753.5	788.9	809.1	834.5	925.9	1214.3
-37.5°	276.2	359.2	459.0	552.4	641.1	717.1	774.5	794.3	814.9	838.4	934.8
-40°	248.6	313.3	409.7	501.4	588.7	671.1	733.7	780.5	797.0	816.9	838.4
-42.5°	219.6	281.3	357.4	448.2	532.1	612.5	689.3	742.0	781.8	797.0	814.9
-45°	189.1	248.2	306.1	389.3	472.5	550.6	624.5	695.4	742.0	780.5	794.3
-47.5°	157.5	213.8	268.9	328.4	408.7	484.8	556.8	624.5	689.3	733.7	774.5
-50°	125.2	178.0	230.4	281.4	341.1	415.1	484.8	550.6	612.5	671.1	717.1
-52.5°	93.6	141.1	190.4	238.7	285.5	341.1	408.7	472.5	532.1	588.7	641.1
-55°	61.0	105.0	149.3	194.6	238.7	281.4	328.4	389.3	448.2	501.4	552.4
-57.5°	42.6	68.6	108.9	149.3	190.4	230.4	268.9	306.1	357.4	409.7	459.0
-60°	32.5	43.8	68.6	105.0	141.1	178.0	213.8	248.2	281.3	313.3	359.2
-62.5°	24.6	32.5	42.6	61.0	93.6	125.2	157.5	189.1	219.6	248.6	276.2
-65°	28.0	25.0	30.2	39.3	48.1	74.7	102.5	129.3	156.7	183.1	208.3
-67.5°	31.4	28.7	26.0	25.8	33.7	41.4	48.8	72.5	95.7	117.9	139.4
-70°	24.3	30.7	30.1	27.8	25.5	26.0	32.6	39.0	45.1	55.4	74.0
-72.5°	15.0	20.6	26.1	31.4	30.2	28.3	26.5	24.7	27.1	32.2	37.0
-75°	13.8	11.3	15.1	19.7	24.1	28.4	31.8	30.3	28.8	27.4	26.1
-77.5°	18.8	16.7	14.6	12.6	11.6	15.2	18.6	21.9	25.1	28.2	31.1
-80°	19.6	21.9	20.4	18.8	17.3	15.8	14.4	13.0	11.6	12.2	14.5
-82.5°	12.7	14.5	16.1	17.8	19.3	20.9	21.7	20.7	19.7	18.8	17.8
-85°	6.5	7.0	8.1	9.2	10.2	11.3	12.3	13.2	14.1	15.0	15.8
-87.5°	3.2	3.5	3.8	4.0	4.3	4.5	4.7	4.9	5.2	5.4	5.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P413404 (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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.7	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.8	6.8	6.9
85°	16.6	17.3	18.0	18.6	19.2	19.7	20.2	20.6	21.0	21.3	21.5
82.5°	17.0	16.2	15.4	14.7	14.1	13.5	13.0	12.5	12.1	11.8	11.5
80°	16.7	18.7	20.7	22.4	24.1	25.5	26.9	28.1	29.1	30.0	30.7
77.5°	31.3	30.3	29.4	28.6	27.8	27.1	26.4	25.9	25.4	25.0	24.6
75°	24.8	25.1	28.5	31.7	34.7	37.3	39.8	41.9	43.8	45.4	46.7
72.5°	41.6	45.9	52.2	64.8	76.4	87.0	96.6	105.0	112.4	118.7	123.9
70°	91.7	108.4	124.0	138.9	153.2	166.2	178.0	188.5	197.6	205.3	211.7
67.5°	160.8	181.0	199.9	217.4	233.6	248.2	261.4	273.2	283.5	292.2	299.4
65°	232.2	254.5	275.5	295.0	313.3	338.3	360.8	380.8	398.3	413.2	425.4
62.5°	302.4	334.9	370.1	402.9	433.2	460.1	483.6	504.6	522.9	538.5	551.3
60°	402.9	444.1	480.8	514.7	546.2	574.9	599.7	621.8	641.1	657.6	671.1
57.5°	503.8	546.2	585.5	620.9	653.8	683.9	706.0	722.5	736.9	749.2	759.3
55°	599.7	643.6	684.9	714.5	738.7	761.0	778.6	784.3	789.3	793.6	797.1
52.5°	691.1	724.7	755.0	779.3	787.6	795.3	802.3	810.5	818.1	824.6	829.9
50°	753.5	780.8	791.2	800.9	812.5	824.1	834.6	859.1	895.2	926.1	951.7
47.5°	788.9	800.6	815.1	829.6	855.7	910.4	960.2	1044.3	1297.0	1513.5	1692.5
45°	809.1	826.7	856.0	924.5	988.5	1318.9	1665.5	1976.8	2196.0	2376.5	2525.9
42.5°	834.5	899.5	977.4	1340.2	1782.4	2150.6	2437.6	2695.9	2815.3	2845.4	2870.4
40°	925.9	1097.9	1632.8	2109.9	2473.8	2798.0	2845.6	2888.5	2922.3	2942.5	2959.3
37.5°	1214.3	1810.9	2295.5	2710.0	2842.3	2898.1	2936.4	2965.1	2989.2	2974.1	2961.5
35°	1870.6	2389.3	2804.6	2872.5	2928.5	2965.5	2982.9	2961.6	2942.7	2880.3	2815.6
32.5°	2389.3	2812.0	2887.8	2943.0	2985.3	2965.4	2940.2	2837.5	2740.6	2645.3	2555.6
30°	2804.6	2887.8	2947.9	2985.8	2954.7	2876.9	2748.7	2613.7	2480.2	2381.8	2348.2
27.5°	2872.5	2943.0	2985.8	2951.1	2841.7	2693.3	2518.5	2379.8	2330.1	2286.5	2329.6
25°	2928.5	2985.3	2954.7	2841.7	2670.0	2469.9	2353.8	2294.3	2340.6	2396.9	2542.8
22.5°	2965.5	2965.4	2876.9	2693.3	2469.9	2345.1	2298.5	2374.5	2539.4	2776.8	3498.7
20°	2982.9	2940.2	2748.7	2518.5	2353.8	2298.5	2386.0	2632.4	3122.3	4847.3	6992.9
17.5°	2961.6	2837.5	2613.7	2379.8	2294.3	2374.5	2632.4	3452.0	5546.6	10587.1	15969.7
15°	2942.7	2740.6	2480.2	2330.1	2340.6	2539.4	3122.3	5546.6	11819.9	20196.1	30329.1
12.5°	2880.3	2645.3	2381.8	2286.5	2396.9	2776.8	4847.3	10587.1	20196.1	32790.2	52480.1
10°	2815.6	2555.6	2348.2	2329.6	2542.8	3498.7	6992.9	15969.7	30329.1	52480.1	82104.9
7.5°	2764.4	2484.6	2321.5	2364.3	2690.7	4586.1	10937.5	23231.6	42967.4	73307.1	114800.2
5°	2727.4	2433.0	2302.1	2389.7	2799.1	5387.7	13868.1	28847.2	54504.2	95243.4	150342.6
2.5°	2705.0	2401.8	2290.3	2405.1	2865.3	5879.6	15676.4	32340.8	61768.1	109311.4	173825.6
0°	*2697.5*	*2391.3*	*2286.3*	*2410.3*	*2887.6*	*6045.4*	*16288.1*	*33527.8*	*64253.0*	*114176.9*	*182104.0*
-2.5°	2705.0	2401.8	2290.3	2405.1	2865.3	5879.6	15676.4	32340.8	61768.1	109311.4	173825.6
-5°	2727.4	2433.0	2302.1	2389.7	2799.1	5387.7	13868.1	28847.2	54504.2	95243.4	150342.6
-7.5°	2764.4	2484.6	2321.5	2364.3	2690.7	4586.1	10937.5	23231.6	42967.4	73307.1	114800.2
-10°	2815.6	2555.6	2348.2	2329.6	2542.8	3498.7	6992.9	15969.7	30329.1	52480.1	82104.9
-12.5°	2880.3	2645.3	2381.8	2286.5	2396.9	2776.8	4847.3	10587.1	20196.1	32790.2	52480.1
-15°	2942.7	2740.6	2480.2	2330.1	2340.6	2539.4	3122.3	5546.6	11819.9	20196.1	30329.1
-17.5°	2961.6	2837.5	2613.7	2379.8	2294.3	2374.5	2632.4	3452.0	5546.6	10587.1	15969.7
-20°	2982.9	2940.2	2748.7	2518.5	2353.8	2298.5	2386.0	2632.4	3122.3	4847.3	6992.9

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REPORT NUMBER: P413404 (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°	2965.5	2965.4	2876.9	2693.3	2469.9	2345.1	2298.5	2374.5	2539.4	2776.8	3498.7
-25°	2928.5	2985.3	2954.7	2841.7	2670.0	2469.9	2353.8	2294.3	2340.6	2396.9	2542.8
-27.5°	2872.5	2943.0	2985.8	2951.1	2841.7	2693.3	2518.5	2379.8	2330.1	2286.5	2329.6
-30°	2804.6	2887.8	2947.9	2985.8	2954.7	2876.9	2748.7	2613.7	2480.2	2381.8	2348.2
-32.5°	2389.3	2812.0	2887.8	2943.0	2985.3	2965.4	2940.2	2837.5	2740.6	2645.3	2555.6
-35°	1870.6	2389.3	2804.6	2872.5	2928.5	2965.5	2982.9	2961.6	2942.7	2880.3	2815.6
-37.5°	1214.3	1810.9	2295.5	2710.0	2842.3	2898.1	2936.4	2965.1	2989.2	2974.1	2961.5
-40°	925.9	1097.9	1632.8	2109.9	2473.8	2798.0	2845.6	2888.5	2922.3	2942.5	2959.3
-42.5°	834.5	899.5	977.4	1340.2	1782.4	2150.6	2437.6	2695.9	2815.3	2845.4	2870.4
-45°	809.1	826.7	856.0	924.5	988.5	1318.9	1665.5	1976.8	2196.0	2376.5	2525.9
-47.5°	788.9	800.6	815.1	829.6	855.7	910.4	960.2	1044.3	1297.0	1513.5	1692.5
-50°	753.5	780.8	791.2	800.9	812.5	824.1	834.6	859.1	895.2	926.1	951.7
-52.5°	691.1	724.7	755.0	779.3	787.6	795.3	802.3	810.5	818.1	824.6	829.9
-55°	599.7	643.6	684.9	714.5	738.7	761.0	778.6	784.3	789.3	793.6	797.1
-57.5°	503.8	546.2	585.5	620.9	653.8	683.9	706.0	722.5	736.9	749.2	759.3
-60°	402.9	444.1	480.8	514.7	546.2	574.9	599.7	621.8	641.1	657.6	671.1
-62.5°	302.4	334.9	370.1	402.9	433.2	460.1	483.6	504.6	522.9	538.5	551.3
-65°	232.2	254.5	275.5	295.0	313.3	338.3	360.8	380.8	398.3	413.2	425.4
-67.5°	160.8	181.0	199.9	217.4	233.6	248.2	261.4	273.2	283.5	292.2	299.4
-70°	91.7	108.4	124.0	138.9	153.2	166.2	178.0	188.5	197.6	205.3	211.7
-72.5°	41.6	45.9	52.2	64.8	76.4	87.0	96.6	105.0	112.4	118.7	123.9
-75°	24.8	25.1	28.5	31.7	34.7	37.3	39.8	41.9	43.8	45.4	46.7
-77.5°	31.3	30.3	29.4	28.6	27.8	27.1	26.4	25.9	25.4	25.0	24.6
-80°	16.7	18.7	20.7	22.4	24.1	25.5	26.9	28.1	29.1	30.0	30.7
-82.5°	17.0	16.2	15.4	14.7	14.1	13.5	13.0	12.5	12.1	11.8	11.5
-85°	16.6	17.3	18.0	18.6	19.2	19.7	20.2	20.6	21.0	21.3	21.5
-87.5°	5.7	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.8	6.8	6.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P413404 (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°
90°	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.9	7.0	7.0	*7.0*	7.0	7.0	6.9	6.9	6.8	6.8	6.7
85°	21.7	21.9	22.0	*22.0*	22.0	21.9	21.7	21.5	21.3	21.0	20.6
82.5°	11.3	11.1	11.0	*11.0*	11.0	11.1	11.3	11.5	11.8	12.1	12.5
80°	31.3	31.7	31.9	*32.0*	31.9	31.7	31.3	30.7	30.0	29.1	28.1
77.5°	24.3	24.2	24.0	*24.0*	24.0	24.2	24.3	24.6	25.0	25.4	25.9
75°	47.7	48.4	48.9	*49.0*	48.9	48.4	47.7	46.7	45.4	43.8	41.9
72.5°	127.9	130.8	132.5	*133.1*	132.5	130.8	127.9	123.9	118.7	112.4	105.0
70°	216.7	220.2	222.4	*223.1*	222.4	220.2	216.7	211.7	205.3	197.6	188.5
67.5°	305.0	309.0	311.4	*312.2*	311.4	309.0	305.0	299.4	292.2	283.5	273.2
65°	435.0	441.8	445.9	*447.3*	445.9	441.8	435.0	425.4	413.2	398.3	380.8
62.5°	561.4	568.5	572.9	*574.3*	572.9	568.5	561.4	551.3	538.5	522.9	504.6
60°	681.7	689.3	693.9	*695.4*	693.9	689.3	681.7	671.1	657.6	641.1	621.8
57.5°	767.2	772.8	776.3	*777.4*	776.3	772.8	767.2	759.3	749.2	736.9	722.5
55°	799.8	801.8	803.0	*803.4*	803.0	801.8	799.8	797.1	793.6	789.3	784.3
52.5°	834.1	837.1	838.9	*839.5*	838.9	837.1	834.1	829.9	824.6	818.1	810.5
50°	971.7	986.0	994.7	*997.6*	994.7	986.0	971.7	951.7	926.1	895.2	859.1
47.5°	1832.9	1933.9	1994.8	*2015.1*	1994.8	1933.9	1832.9	1692.5	1513.5	1297.0	1044.3
45°	2643.2	2727.7	2778.6	*2795.6*	2778.6	2727.7	2643.2	2525.9	2376.5	2196.0	1976.8
42.5°	2890.1	2904.2	2912.7	*2915.6*	2912.7	2904.2	2890.1	2870.4	2845.4	2815.3	2695.9
40°	2972.5	2982.0	2987.8	*2989.7*	2987.8	2982.0	2972.5	2959.3	2942.5	2922.3	2888.5
37.5°	2951.6	2944.4	2940.1	*2938.6*	2940.1	2944.4	2951.6	2961.5	2974.1	2989.2	2965.1
35°	2764.4	2727.4	2705.0	*2697.5*	2705.0	2727.4	2764.4	2815.6	2880.3	2942.7	2961.6
32.5°	2484.6	2433.0	2401.8	*2391.3*	2401.8	2433.0	2484.6	2555.6	2645.3	2740.6	2837.5
30°	2321.5	2302.1	2290.3	*2286.3*	2290.3	2302.1	2321.5	2348.2	2381.8	2480.2	2613.7
27.5°	2364.3	2389.7	2405.1	*2410.3*	2405.1	2389.7	2364.3	2329.6	2286.5	2330.1	2379.8
25°	2690.7	2799.1	2865.3	*2887.6*	2865.3	2799.1	2690.7	2542.8	2396.9	2340.6	2294.3
22.5°	4586.1	5387.7	5879.6	*6045.4*	5879.6	5387.7	4586.1	3498.7	2776.8	2539.4	2374.5
20°	10937.5	13868.1	15676.4	*16288.1*	15676.4	13868.1	10937.5	6992.9	4847.3	3122.3	2632.4
17.5°	23231.6	28847.2	32340.8	*33527.8*	32340.8	28847.2	23231.6	15969.7	10587.1	5546.6	3452.0
15°	42967.4	54504.2	61768.1	*64253.0*	61768.1	54504.2	42967.4	30329.1	20196.1	11819.9	5546.6
12.5°	73307.1	95243.4	109311.4	*114176.9*	109311.4	95243.4	73307.1	52480.1	32790.2	20196.1	10587.1
10°	114800.2	150342.6	173825.6	*182104.0*	173825.6	150342.6	114800.2	82104.9	52480.1	30329.1	15969.7
7.5°	166034.9	212408.9	247300.1	*261326.8*	247300.1	212408.9	166034.9	114800.2	73307.1	42967.4	23231.6
5°	212408.9	276396.3	323472.0	*340620.7*	323472.0	276396.3	212408.9	150342.6	95243.4	54504.2	28847.2
2.5°	247300.1	323472.0	378193.2	*403859.7*	378193.2	323472.0	247300.1	173825.6	109311.4	61768.1	32340.8
0°	*261326.8*	*340620.7*	*403859.7*	*440681.7*	*403859.7*	*340620.7*	*261326.8*	*182104.0*	*114176.9*	*64253.0*	*33527.8*
-2.5°	247300.1	323472.0	378193.2	*403859.7*	378193.2	323472.0	247300.1	173825.6	109311.4	61768.1	32340.8
-5°	212408.9	276396.3	323472.0	*340620.7*	323472.0	276396.3	212408.9	150342.6	95243.4	54504.2	28847.2
-7.5°	166034.9	212408.9	247300.1	*261326.8*	247300.1	212408.9	166034.9	114800.2	73307.1	42967.4	23231.6
-10°	114800.2	150342.6	173825.6	*182104.0*	173825.6	150342.6	114800.2	82104.9	52480.1	30329.1	15969.7
-12.5°	73307.1	95243.4	109311.4	*114176.9*	109311.4	95243.4	73307.1	52480.1	32790.2	20196.1	10587.1
-15°	42967.4	54504.2	61768.1	*64253.0*	61768.1	54504.2	42967.4	30329.1	20196.1	11819.9	5546.6
-17.5°	23231.6	28847.2	32340.8	*33527.8*	32340.8	28847.2	23231.6	15969.7	10587.1	5546.6	3452.0
-20°	10937.5	13868.1	15676.4	*16288.1*	15676.4	13868.1	10937.5	6992.9	4847.3	3122.3	2632.4

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REPORT NUMBER: P413404 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-0320L-40-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4586.1	5387.7	5879.6	*6045.4*	5879.6	5387.7	4586.1	3498.7	2776.8	2539.4	2374.5
-25°	2690.7	2799.1	2865.3	*2887.6*	2865.3	2799.1	2690.7	2542.8	2396.9	2340.6	2294.3
-27.5°	2364.3	2389.7	2405.1	*2410.3*	2405.1	2389.7	2364.3	2329.6	2286.5	2330.1	2379.8
-30°	2321.5	2302.1	2290.3	*2286.3*	2290.3	2302.1	2321.5	2348.2	2381.8	2480.2	2613.7
-32.5°	2484.6	2433.0	2401.8	*2391.3*	2401.8	2433.0	2484.6	2555.6	2645.3	2740.6	2837.5
-35°	2764.4	2727.4	2705.0	*2697.5*	2705.0	2727.4	2764.4	2815.6	2880.3	2942.7	2961.6
-37.5°	2951.6	2944.4	2940.1	*2938.6*	2940.1	2944.4	2951.6	2961.5	2974.1	2989.2	2965.1
-40°	2972.5	2982.0	2987.8	*2989.7*	2987.8	2982.0	2972.5	2959.3	2942.5	2922.3	2888.5
-42.5°	2890.1	2904.2	2912.7	*2915.6*	2912.7	2904.2	2890.1	2870.4	2845.4	2815.3	2695.9
-45°	2643.2	2727.7	2778.6	*2795.6*	2778.6	2727.7	2643.2	2525.9	2376.5	2196.0	1976.8
-47.5°	1832.9	1933.9	1994.8	*2015.1*	1994.8	1933.9	1832.9	1692.5	1513.5	1297.0	1044.3
-50°	971.7	986.0	994.7	*997.6*	994.7	986.0	971.7	951.7	926.1	895.2	859.1
-52.5°	834.1	837.1	838.9	*839.5*	838.9	837.1	834.1	829.9	824.6	818.1	810.5
-55°	799.8	801.8	803.0	*803.4*	803.0	801.8	799.8	797.1	793.6	789.3	784.3
-57.5°	767.2	772.8	776.3	*777.4*	776.3	772.8	767.2	759.3	749.2	736.9	722.5
-60°	681.7	689.3	693.9	*695.4*	693.9	689.3	681.7	671.1	657.6	641.1	621.8
-62.5°	561.4	568.5	572.9	*574.3*	572.9	568.5	561.4	551.3	538.5	522.9	504.6
-65°	435.0	441.8	445.9	*447.3*	445.9	441.8	435.0	425.4	413.2	398.3	380.8
-67.5°	305.0	309.0	311.4	*312.2*	311.4	309.0	305.0	299.4	292.2	283.5	273.2
-70°	216.7	220.2	222.4	*223.1*	222.4	220.2	216.7	211.7	205.3	197.6	188.5
-72.5°	127.9	130.8	132.5	*133.1*	132.5	130.8	127.9	123.9	118.7	112.4	105.0
-75°	47.7	48.4	48.9	*49.0*	48.9	48.4	47.7	46.7	45.4	43.8	41.9
-77.5°	24.3	24.2	24.0	*24.0*	24.0	24.2	24.3	24.6	25.0	25.4	25.9
-80°	31.3	31.7	31.9	*32.0*	31.9	31.7	31.3	30.7	30.0	29.1	28.1
-82.5°	11.3	11.1	11.0	*11.0*	11.0	11.1	11.3	11.5	11.8	12.1	12.5
-85°	21.7	21.9	22.0	*22.0*	22.0	21.9	21.7	21.5	21.3	21.0	20.6
-87.5°	6.9	7.0	7.0	*7.0*	7.0	7.0	6.9	6.9	6.8	6.8	6.7
-90°	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P413404 (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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.6	6.5	6.3	6.2	6.1	5.9	5.7	5.6	5.4	5.2	4.9
85°	20.2	19.7	19.2	18.6	18.0	17.3	16.6	15.8	15.0	14.1	13.2
82.5°	13.0	13.5	14.1	14.7	15.4	16.2	17.0	17.8	18.8	19.7	20.7
80°	26.9	25.5	24.1	22.4	20.7	18.7	16.7	14.5	12.2	11.6	13.0
77.5°	26.4	27.1	27.8	28.6	29.4	30.3	31.3	31.1	28.2	25.1	21.9
75°	39.8	37.3	34.7	31.7	28.5	25.1	24.8	26.1	27.4	28.8	30.3
72.5°	96.6	87.0	76.4	64.8	52.2	45.9	41.6	37.0	32.2	27.1	24.7
70°	178.0	166.2	153.2	138.9	124.0	108.4	91.7	74.0	55.4	45.1	39.0
67.5°	261.4	248.2	233.6	217.4	199.9	181.0	160.8	139.4	117.9	95.7	72.5
65°	360.8	338.3	313.3	295.0	275.5	254.5	232.2	208.3	183.1	156.7	129.3
62.5°	483.6	460.1	433.2	402.9	370.1	334.9	302.4	276.2	248.6	219.6	189.1
60°	599.7	574.9	546.2	514.7	480.8	444.1	402.9	359.2	313.3	281.3	248.2
57.5°	706.0	683.9	653.8	620.9	585.5	546.2	503.8	459.0	409.7	357.4	306.1
55°	778.6	761.0	738.7	714.5	684.9	643.6	599.7	552.4	501.4	448.2	389.3
52.5°	802.3	795.3	787.6	779.3	755.0	724.7	691.1	641.1	588.7	532.1	472.5
50°	834.6	824.1	812.5	800.9	791.2	780.8	753.5	717.1	671.1	612.5	550.6
47.5°	960.2	910.4	855.7	829.6	815.1	800.6	788.9	774.5	733.7	689.3	624.5
45°	1665.5	1318.9	988.5	924.5	856.0	826.7	809.1	794.3	780.5	742.0	695.4
42.5°	2437.6	2150.6	1782.4	1340.2	977.4	899.5	834.5	814.9	797.0	781.8	742.0
40°	2845.6	2798.0	2473.8	2109.9	1632.8	1097.9	925.9	838.4	816.9	797.0	780.5
37.5°	2936.4	2898.1	2842.3	2710.0	2295.5	1810.9	1214.3	934.8	838.4	814.9	794.3
35°	2982.9	2965.5	2928.5	2872.5	2804.6	2389.3	1870.6	1214.3	925.9	834.5	809.1
32.5°	2940.2	2965.4	2985.3	2943.0	2887.8	2812.0	2389.3	1810.9	1097.9	899.5	826.7
30°	2748.7	2876.9	2954.7	2985.8	2947.9	2887.8	2804.6	2295.5	1632.8	977.4	856.0
27.5°	2518.5	2693.3	2841.7	2951.1	2985.8	2943.0	2872.5	2710.0	2109.9	1340.2	924.5
25°	2353.8	2469.9	2670.0	2841.7	2954.7	2985.3	2928.5	2842.3	2473.8	1782.4	988.5
22.5°	2298.5	2345.1	2469.9	2693.3	2876.9	2965.4	2965.5	2898.1	2798.0	2150.6	1318.9
20°	2386.0	2298.5	2353.8	2518.5	2748.7	2940.2	2982.9	2936.4	2845.6	2437.6	1665.5
17.5°	2632.4	2374.5	2294.3	2379.8	2613.7	2837.5	2961.6	2965.1	2888.5	2695.9	1976.8
15°	3122.3	2539.4	2340.6	2330.1	2480.2	2740.6	2942.7	2989.2	2922.3	2815.3	2196.0
12.5°	4847.3	2776.8	2396.9	2286.5	2381.8	2645.3	2880.3	2974.1	2942.5	2845.4	2376.5
10°	6992.9	3498.7	2542.8	2329.6	2348.2	2555.6	2815.6	2961.5	2959.3	2870.4	2525.9
7.5°	10937.5	4586.1	2690.7	2364.3	2321.5	2484.6	2764.4	2951.6	2972.5	2890.1	2643.2
5°	13868.1	5387.7	2799.1	2389.7	2302.1	2433.0	2727.4	2944.4	2982.0	2904.2	2727.7
2.5°	15676.4	5879.6	2865.3	2405.1	2290.3	2401.8	2705.0	2940.1	2987.8	2912.7	2778.6
0°	*16288.1*	*6045.4*	*2887.6*	*2410.3*	*2286.3*	*2391.3*	*2697.5*	*2938.6*	*2989.7*	*2915.6*	*2795.6*
-2.5°	15676.4	5879.6	2865.3	2405.1	2290.3	2401.8	2705.0	2940.1	2987.8	2912.7	2778.6
-5°	13868.1	5387.7	2799.1	2389.7	2302.1	2433.0	2727.4	2944.4	2982.0	2904.2	2727.7
-7.5°	10937.5	4586.1	2690.7	2364.3	2321.5	2484.6	2764.4	2951.6	2972.5	2890.1	2643.2
-10°	6992.9	3498.7	2542.8	2329.6	2348.2	2555.6	2815.6	2961.5	2959.3	2870.4	2525.9
-12.5°	4847.3	2776.8	2396.9	2286.5	2381.8	2645.3	2880.3	2974.1	2942.5	2845.4	2376.5
-15°	3122.3	2539.4	2340.6	2330.1	2480.2	2740.6	2942.7	2989.2	2922.3	2815.3	2196.0
-17.5°	2632.4	2374.5	2294.3	2379.8	2613.7	2837.5	2961.6	2965.1	2888.5	2695.9	1976.8
-20°	2386.0	2298.5	2353.8	2518.5	2748.7	2940.2	2982.9	2936.4	2845.6	2437.6	1665.5

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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°	2298.5	2345.1	2469.9	2693.3	2876.9	2965.4	2965.5	2898.1	2798.0	2150.6	1318.9
-25°	2353.8	2469.9	2670.0	2841.7	2954.7	2985.3	2928.5	2842.3	2473.8	1782.4	988.5
-27.5°	2518.5	2693.3	2841.7	2951.1	2985.8	2943.0	2872.5	2710.0	2109.9	1340.2	924.5
-30°	2748.7	2876.9	2954.7	2985.8	2947.9	2887.8	2804.6	2295.5	1632.8	977.4	856.0
-32.5°	2940.2	2965.4	2985.3	2943.0	2887.8	2812.0	2389.3	1810.9	1097.9	899.5	826.7
-35°	2982.9	2965.5	2928.5	2872.5	2804.6	2389.3	1870.6	1214.3	925.9	834.5	809.1
-37.5°	2936.4	2898.1	2842.3	2710.0	2295.5	1810.9	1214.3	934.8	838.4	814.9	794.3
-40°	2845.6	2798.0	2473.8	2109.9	1632.8	1097.9	925.9	838.4	816.9	797.0	780.5
-42.5°	2437.6	2150.6	1782.4	1340.2	977.4	899.5	834.5	814.9	797.0	781.8	742.0
-45°	1665.5	1318.9	988.5	924.5	856.0	826.7	809.1	794.3	780.5	742.0	695.4
-47.5°	960.2	910.4	855.7	829.6	815.1	800.6	788.9	774.5	733.7	689.3	624.5
-50°	834.6	824.1	812.5	800.9	791.2	780.8	753.5	717.1	671.1	612.5	550.6
-52.5°	802.3	795.3	787.6	779.3	755.0	724.7	691.1	641.1	588.7	532.1	472.5
-55°	778.6	761.0	738.7	714.5	684.9	643.6	599.7	552.4	501.4	448.2	389.3
-57.5°	706.0	683.9	653.8	620.9	585.5	546.2	503.8	459.0	409.7	357.4	306.1
-60°	599.7	574.9	546.2	514.7	480.8	444.1	402.9	359.2	313.3	281.3	248.2
-62.5°	483.6	460.1	433.2	402.9	370.1	334.9	302.4	276.2	248.6	219.6	189.1
-65°	360.8	338.3	313.3	295.0	275.5	254.5	232.2	208.3	183.1	156.7	129.3
-67.5°	261.4	248.2	233.6	217.4	199.9	181.0	160.8	139.4	117.9	95.7	72.5
-70°	178.0	166.2	153.2	138.9	124.0	108.4	91.7	74.0	55.4	45.1	39.0
-72.5°	96.6	87.0	76.4	64.8	52.2	45.9	41.6	37.0	32.2	27.1	24.7
-75°	39.8	37.3	34.7	31.7	28.5	25.1	24.8	26.1	27.4	28.8	30.3
-77.5°	26.4	27.1	27.8	28.6	29.4	30.3	31.3	31.1	28.2	25.1	21.9
-80°	26.9	25.5	24.1	22.4	20.7	18.7	16.7	14.5	12.2	11.6	13.0
-82.5°	13.0	13.5	14.1	14.7	15.4	16.2	17.0	17.8	18.8	19.7	20.7
-85°	20.2	19.7	19.2	18.6	18.0	17.3	16.6	15.8	15.0	14.1	13.2
-87.5°	6.6	6.5	6.3	6.2	6.1	5.9	5.7	5.6	5.4	5.2	4.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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REPORT NUMBER: P413404 (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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.7	4.5	4.3	4.0	3.8	3.5	3.2	3.0	2.7	2.4	2.1
85°	12.3	11.3	10.2	9.2	8.1	7.0	6.5	5.9	5.4	4.8	4.2
82.5°	21.7	20.9	19.3	17.8	16.1	14.5	12.7	11.0	9.2	7.4	6.3
80°	14.4	15.8	17.3	18.8	20.4	21.9	19.6	17.3	14.9	12.4	10.0
77.5°	18.6	15.2	11.6	12.6	14.6	16.7	18.8	20.9	20.5	17.5	14.4
75°	31.8	28.4	24.1	19.7	15.1	11.3	13.8	16.4	19.0	21.7	18.8
72.5°	26.5	28.3	30.2	31.4	26.1	20.6	15.0	11.9	14.9	18.0	21.2
70°	32.6	26.0	25.5	27.8	30.1	30.7	24.3	17.8	11.2	14.4	18.0
67.5°	48.8	41.4	33.7	25.8	26.0	28.7	31.4	26.2	18.7	11.2	14.9
65°	102.5	74.7	48.1	39.3	30.2	25.0	28.0	31.1	26.2	17.8	11.9
62.5°	157.5	125.2	93.6	61.0	42.6	32.5	24.6	28.0	31.4	24.3	15.0
60°	213.8	178.0	141.1	105.0	68.6	43.8	32.5	25.0	28.7	30.7	20.6
57.5°	268.9	230.4	190.4	149.3	108.9	68.6	42.6	30.2	26.0	30.1	26.1
55°	328.4	281.4	238.7	194.6	149.3	105.0	61.0	39.3	25.8	27.8	31.4
52.5°	408.7	341.1	285.5	238.7	190.4	141.1	93.6	48.1	33.7	25.5	30.2
50°	484.8	415.1	341.1	281.4	230.4	178.0	125.2	74.7	41.4	26.0	28.3
47.5°	556.8	484.8	408.7	328.4	268.9	213.8	157.5	102.5	48.8	32.6	26.5
45°	624.5	550.6	472.5	389.3	306.1	248.2	189.1	129.3	72.5	39.0	24.7
42.5°	689.3	612.5	532.1	448.2	357.4	281.3	219.6	156.7	95.7	45.1	27.1
40°	733.7	671.1	588.7	501.4	409.7	313.3	248.6	183.1	117.9	55.4	32.2
37.5°	774.5	717.1	641.1	552.4	459.0	359.2	276.2	208.3	139.4	74.0	37.0
35°	788.9	753.5	691.1	599.7	503.8	402.9	302.4	232.2	160.8	91.7	41.6
32.5°	800.6	780.8	724.7	643.6	546.2	444.1	334.9	254.5	181.0	108.4	45.9
30°	815.1	791.2	755.0	684.9	585.5	480.8	370.1	275.5	199.9	124.0	52.2
27.5°	829.6	800.9	779.3	714.5	620.9	514.7	402.9	295.0	217.4	138.9	64.8
25°	855.7	812.5	787.6	738.7	653.8	546.2	433.2	313.3	233.6	153.2	76.4
22.5°	910.4	824.1	795.3	761.0	683.9	574.9	460.1	338.3	248.2	166.2	87.0
20°	960.2	834.6	802.3	778.6	706.0	599.7	483.6	360.8	261.4	178.0	96.6
17.5°	1044.3	859.1	810.5	784.3	722.5	621.8	504.6	380.8	273.2	188.5	105.0
15°	1297.0	895.2	818.1	789.3	736.9	641.1	522.9	398.3	283.5	197.6	112.4
12.5°	1513.5	926.1	824.6	793.6	749.2	657.6	538.5	413.2	292.2	205.3	118.7
10°	1692.5	951.7	829.9	797.1	759.3	671.1	551.3	425.4	299.4	211.7	123.9
7.5°	1832.9	971.7	834.1	799.8	767.2	681.7	561.4	435.0	305.0	216.7	127.9
5°	1933.9	986.0	837.1	801.8	772.8	689.3	568.5	441.8	309.0	220.2	130.8
2.5°	1994.8	994.7	838.9	803.0	776.3	693.9	572.9	445.9	311.4	222.4	132.5
0°	*2015.1*	*997.6*	*839.5*	*803.4*	*777.4*	*695.4*	*574.3*	*447.3*	*312.2*	*223.1*	*133.1*
-2.5°	1994.8	994.7	838.9	803.0	776.3	693.9	572.9	445.9	311.4	222.4	132.5
-5°	1933.9	986.0	837.1	801.8	772.8	689.3	568.5	441.8	309.0	220.2	130.8
-7.5°	1832.9	971.7	834.1	799.8	767.2	681.7	561.4	435.0	305.0	216.7	127.9
-10°	1692.5	951.7	829.9	797.1	759.3	671.1	551.3	425.4	299.4	211.7	123.9
-12.5°	1513.5	926.1	824.6	793.6	749.2	657.6	538.5	413.2	292.2	205.3	118.7
-15°	1297.0	895.2	818.1	789.3	736.9	641.1	522.9	398.3	283.5	197.6	112.4
-17.5°	1044.3	859.1	810.5	784.3	722.5	621.8	504.6	380.8	273.2	188.5	105.0
-20°	960.2	834.6	802.3	778.6	706.0	599.7	483.6	360.8	261.4	178.0	96.6

Cooper Lighting Solutions Photometric Lab
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Scaled Data Report

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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	910.4	824.1	795.3	761.0	683.9	574.9	460.1	338.3	248.2	166.2	87.0
-25°	855.7	812.5	787.6	738.7	653.8	546.2	433.2	313.3	233.6	153.2	76.4
-27.5°	829.6	800.9	779.3	714.5	620.9	514.7	402.9	295.0	217.4	138.9	64.8
-30°	815.1	791.2	755.0	684.9	585.5	480.8	370.1	275.5	199.9	124.0	52.2
-32.5°	800.6	780.8	724.7	643.6	546.2	444.1	334.9	254.5	181.0	108.4	45.9
-35°	788.9	753.5	691.1	599.7	503.8	402.9	302.4	232.2	160.8	91.7	41.6
-37.5°	774.5	717.1	641.1	552.4	459.0	359.2	276.2	208.3	139.4	74.0	37.0
-40°	733.7	671.1	588.7	501.4	409.7	313.3	248.6	183.1	117.9	55.4	32.2
-42.5°	689.3	612.5	532.1	448.2	357.4	281.3	219.6	156.7	95.7	45.1	27.1
-45°	624.5	550.6	472.5	389.3	306.1	248.2	189.1	129.3	72.5	39.0	24.7
-47.5°	556.8	484.8	408.7	328.4	268.9	213.8	157.5	102.5	48.8	32.6	26.5
-50°	484.8	415.1	341.1	281.4	230.4	178.0	125.2	74.7	41.4	26.0	28.3
-52.5°	408.7	341.1	285.5	238.7	190.4	141.1	93.6	48.1	33.7	25.5	30.2
-55°	328.4	281.4	238.7	194.6	149.3	105.0	61.0	39.3	25.8	27.8	31.4
-57.5°	268.9	230.4	190.4	149.3	108.9	68.6	42.6	30.2	26.0	30.1	26.1
-60°	213.8	178.0	141.1	105.0	68.6	43.8	32.5	25.0	28.7	30.7	20.6
-62.5°	157.5	125.2	93.6	61.0	42.6	32.5	24.6	28.0	31.4	24.3	15.0
-65°	102.5	74.7	48.1	39.3	30.2	25.0	28.0	31.1	26.2	17.8	11.9
-67.5°	48.8	41.4	33.7	25.8	26.0	28.7	31.4	26.2	18.7	11.2	14.9
-70°	32.6	26.0	25.5	27.8	30.1	30.7	24.3	17.8	11.2	14.4	18.0
-72.5°	26.5	28.3	30.2	31.4	26.1	20.6	15.0	11.9	14.9	18.0	21.2
-75°	31.8	28.4	24.1	19.7	15.1	11.3	13.8	16.4	19.0	21.7	18.8
-77.5°	18.6	15.2	11.6	12.6	14.6	16.7	18.8	20.9	20.5	17.5	14.4
-80°	14.4	15.8	17.3	18.8	20.4	21.9	19.6	17.3	14.9	12.4	10.0
-82.5°	21.7	20.9	19.3	17.8	16.1	14.5	12.7	11.0	9.2	7.4	6.3
-85°	12.3	11.3	10.2	9.2	8.1	7.0	6.5	5.9	5.4	4.8	4.2
-87.5°	4.7	4.5	4.3	4.0	3.8	3.5	3.2	3.0	2.7	2.4	2.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
82.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
80°	7.5	6.0	4.8	3.6	2.4	1.2	0.0
77.5°	11.3	8.1	6.0	4.5	3.0	1.5	0.0
75°	15.0	11.3	7.5	5.4	3.6	1.8	0.0
72.5°	18.8	14.4	10.0	6.3	4.2	2.1	0.0
70°	21.7	17.5	12.4	7.4	4.8	2.4	0.0
67.5°	19.0	20.5	14.9	9.2	5.4	2.7	0.0
65°	16.4	20.9	17.3	11.0	5.9	3.0	0.0
62.5°	13.8	18.8	19.6	12.7	6.5	3.2	0.0
60°	11.3	16.7	21.9	14.5	7.0	3.5	0.0
57.5°	15.1	14.6	20.4	16.1	8.1	3.8	0.0
55°	19.7	12.6	18.8	17.8	9.2	4.0	0.0
52.5°	24.1	11.6	17.3	19.3	10.2	4.3	0.0
50°	28.4	15.2	15.8	20.9	11.3	4.5	0.0
47.5°	31.8	18.6	14.4	21.7	12.3	4.7	0.0
45°	30.3	21.9	13.0	20.7	13.2	4.9	0.0
42.5°	28.8	25.1	11.6	19.7	14.1	5.2	0.0
40°	27.4	28.2	12.2	18.8	15.0	5.4	0.0
37.5°	26.1	31.1	14.5	17.8	15.8	5.6	0.0
35°	24.8	31.3	16.7	17.0	16.6	5.7	0.0
32.5°	25.1	30.3	18.7	16.2	17.3	5.9	0.0
30°	28.5	29.4	20.7	15.4	18.0	6.1	0.0
27.5°	31.7	28.6	22.4	14.7	18.6	6.2	0.0
25°	34.7	27.8	24.1	14.1	19.2	6.3	0.0
22.5°	37.3	27.1	25.5	13.5	19.7	6.5	0.0
20°	39.8	26.4	26.9	13.0	20.2	6.6	0.0
17.5°	41.9	25.9	28.1	12.5	20.6	6.7	0.0
15°	43.8	25.4	29.1	12.1	21.0	6.8	0.0
12.5°	45.4	25.0	30.0	11.8	21.3	6.8	0.0
10°	46.7	24.6	30.7	11.5	21.5	6.9	0.0
7.5°	47.7	24.3	31.3	11.3	21.7	6.9	0.0
5°	48.4	24.2	31.7	11.1	21.9	7.0	0.0
2.5°	48.9	24.0	31.9	11.0	22.0	7.0	0.0
0°	*49.0*	*24.0*	*32.0*	*11.0*	*22.0*	*7.0*	*0.0*
-2.5°	48.9	24.0	31.9	11.0	22.0	7.0	0.0
-5°	48.4	24.2	31.7	11.1	21.9	7.0	0.0
-7.5°	47.7	24.3	31.3	11.3	21.7	6.9	0.0
-10°	46.7	24.6	30.7	11.5	21.5	6.9	0.0
-12.5°	45.4	25.0	30.0	11.8	21.3	6.8	0.0
-15°	43.8	25.4	29.1	12.1	21.0	6.8	0.0
-17.5°	41.9	25.9	28.1	12.5	20.6	6.7	0.0
-20°	39.8	26.4	26.9	13.0	20.2	6.6	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	37.3	27.1	25.5	13.5	19.7	6.5	0.0
-25°	34.7	27.8	24.1	14.1	19.2	6.3	0.0
-27.5°	31.7	28.6	22.4	14.7	18.6	6.2	0.0
-30°	28.5	29.4	20.7	15.4	18.0	6.1	0.0
-32.5°	25.1	30.3	18.7	16.2	17.3	5.9	0.0
-35°	24.8	31.3	16.7	17.0	16.6	5.7	0.0
-37.5°	26.1	31.1	14.5	17.8	15.8	5.6	0.0
-40°	27.4	28.2	12.2	18.8	15.0	5.4	0.0
-42.5°	28.8	25.1	11.6	19.7	14.1	5.2	0.0
-45°	30.3	21.9	13.0	20.7	13.2	4.9	0.0
-47.5°	31.8	18.6	14.4	21.7	12.3	4.7	0.0
-50°	28.4	15.2	15.8	20.9	11.3	4.5	0.0
-52.5°	24.1	11.6	17.3	19.3	10.2	4.3	0.0
-55°	19.7	12.6	18.8	17.8	9.2	4.0	0.0
-57.5°	15.1	14.6	20.4	16.1	8.1	3.8	0.0
-60°	11.3	16.7	21.9	14.5	7.0	3.5	0.0
-62.5°	13.8	18.8	19.6	12.7	6.5	3.2	0.0
-65°	16.4	20.9	17.3	11.0	5.9	3.0	0.0
-67.5°	19.0	20.5	14.9	9.2	5.4	2.7	0.0
-70°	21.7	17.5	12.4	7.4	4.8	2.4	0.0
-72.5°	18.8	14.4	10.0	6.3	4.2	2.1	0.0
-75°	15.0	11.3	7.5	5.4	3.6	1.8	0.0
-77.5°	11.3	8.1	6.0	4.5	3.0	1.5	0.0
-80°	7.5	6.0	4.8	3.6	2.4	1.2	0.0
-82.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0
-85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)