

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: P701725 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-80-1S-CV5-S**

Issue Date: 8/29/2023

Test Information

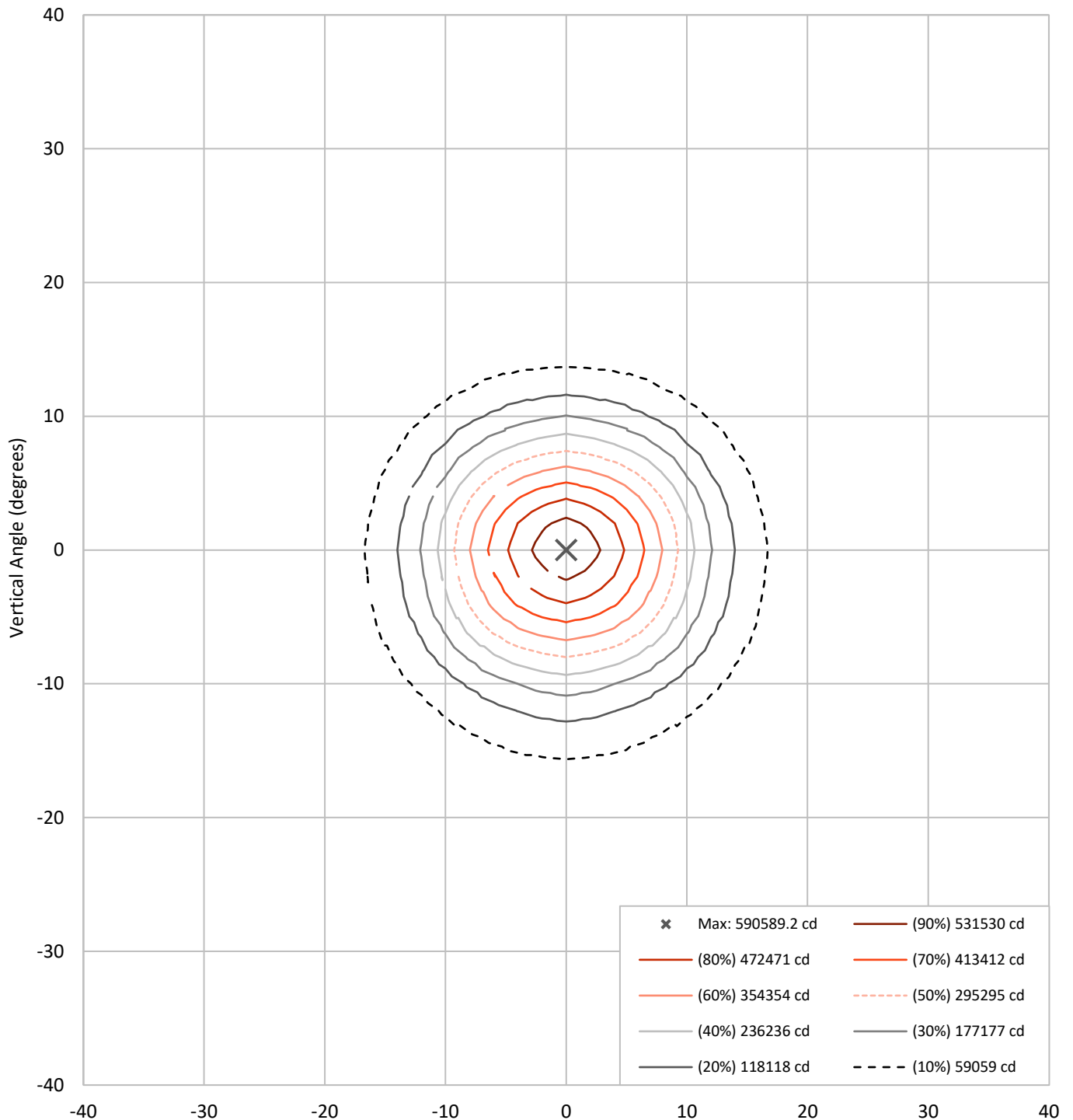
Test Method: LM-79-08
Report Number: P701725 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-4)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-80-1S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	60718.2 lumens	Max Intensity:	590589.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	83.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.6°H x 15.4°V	Field Angle (10%):	33.2°H x 29.1°V
Beam Lumens:	28002.5 lumens	Field Lumens:	51661.6 lumens
Beam Efficiency:	46.1%	Field Efficiency:	85.1%
Input Watts (W):	724.6		
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





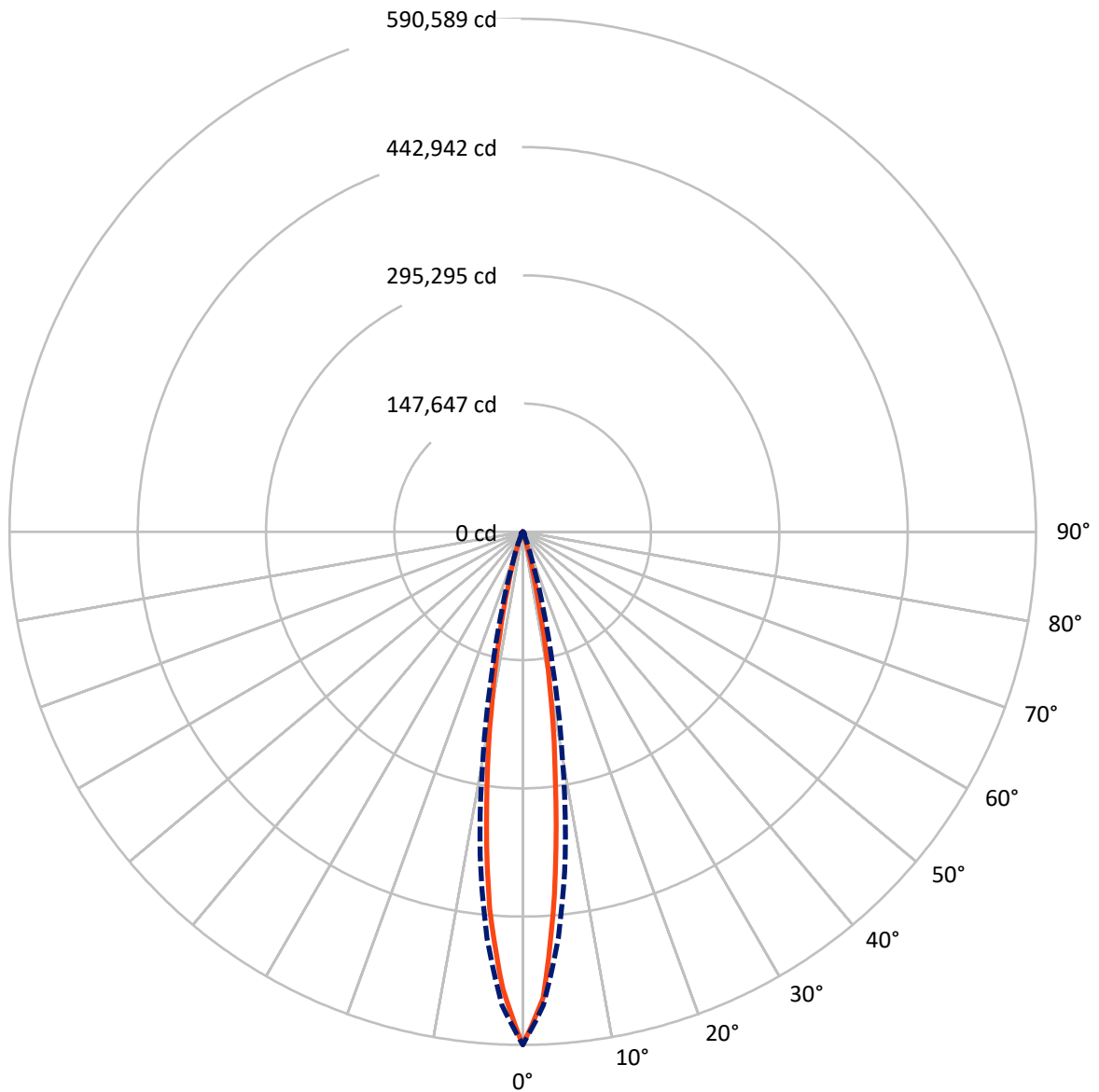
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Lumen Table

90		0.2		0.4		0.7		0.7		0.9		0.7		0.7		0.4		0.2	
80		0.2		0.4		0.7		0.7		0.9		0.7		0.7		0.4		0.2	
70		0.2		0.4		0.7		0.7		0.9		0.7		0.7		0.4		0.2	
60	0.2	0.1	0.2	0.6	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.6	0.2	0.1	0.2		
50		0.2		0.4		0.7		0.7		0.9		0.7		0.7		0.4		0.2	
40	0.3	0.2	0.5	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.4	0.5	0.2	0.3			
30		0.3		0.7		0.9		1.6		2.2		2.4		2.7		2.7		2.4	
20	0.4	0.5	1.5	3.6	6.8	7.7	11.0	22.0	22.0	11.0	7.7	6.8	3.6	1.5	0.5	0.4			
10		0.4		1.2		4.9		16.6		30.9		41.1		1267.9		1267.9		304.4	
0	0.4	2.0	9.8	41.7	67.5	153.5	2233.4	9678.0	9678.0	2233.4	153.5	67.5	41.7	9.8	2.0	0.4			
-10		0.4		2.5		11.4		48.0		79.1		157.3		2397.0		10115.7		10115.7	
-20	0.5	2.6	10.0	36.3	65.3	72.0	511.2	1985.6	1985.6	511.2	72.0	65.3	36.3	10.0	2.6	0.5			
-30		0.5		2.5		8.6		20.3		52.6		60.8		67.1		130.7		130.7	
-40	0.5	2.2	7.3	12.9	32.2	60.8	71.1	71.8	71.8	71.1	60.8	32.2	12.9	7.3	2.2	0.5			
-50		0.5		1.5		5.4		11.1		17.5		30.7		51.8		68.0		68.0	
-60	0.3	0.7	3.1	7.3	13.1	18.0	21.3	23.7	23.7	21.3	18.0	13.1	7.3	3.1	0.7	0.3			
-70		0.3		1.0		3.0		5.8		9.0		11.9		14.1		14.1		11.9	
-80	0.2	1.0		2.7		6.4		10.7		6.4		2.7		1.0		0.2			
-90		0.2		1.0		2.7		6.4		10.7		6.4		2.7		1.0		0.2	

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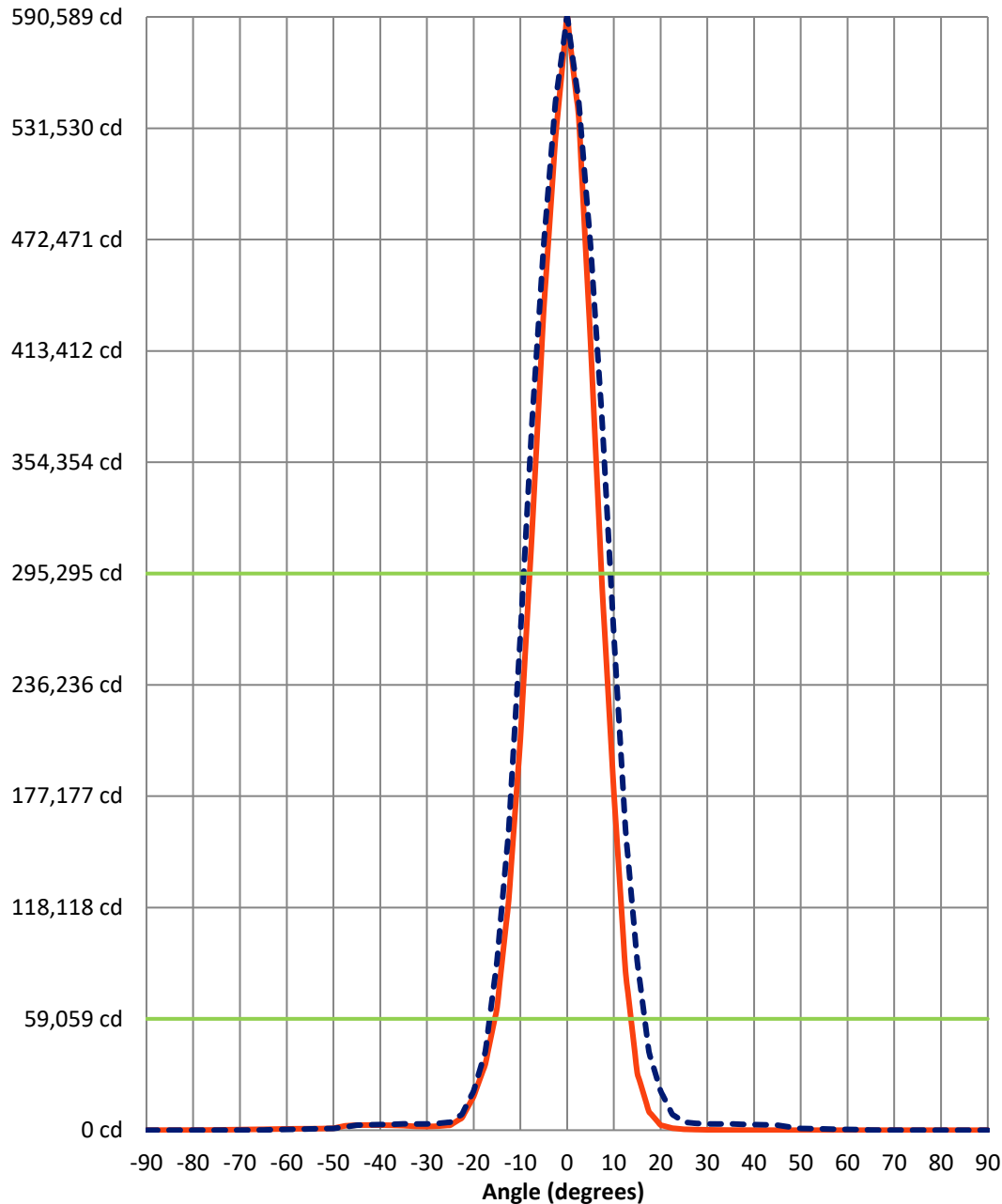
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 18.6°
 V Angle: 15.4°
 Lumens: 28002.5
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 29.1°
 Lumens: 51661.6
 Efficiency: 85.1%

Spill:
 Lumens: 9056.5
 Efficiency: 14.9%

- 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°	7.5	7.5	7.5	7.9	8.3	8.6	9.0	9.0	9.0	9.0	9.0
87.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
85°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
82.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
80°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
77.5°	7.5	7.5	7.5	7.5	7.5	7.6	7.5	7.5	7.5	7.5	7.5
75°	7.5	7.5	7.5	7.5	7.5	7.7	7.6	7.5	7.5	7.6	7.6
72.5°	7.5	7.5	7.5	7.5	7.8	8.0	7.7	7.6	7.8	7.8	7.6
70°	7.5	7.5	7.5	7.6	8.1	8.2	7.8	8.0	8.1	8.1	8.2
67.5°	7.5	7.5	7.5	7.9	8.4	8.4	8.2	8.3	8.5	8.7	8.8
65°	7.5	7.5	7.5	8.2	8.7	8.7	8.7	8.7	9.0	9.2	9.3
62.5°	7.5	7.5	7.5	8.5	9.0	9.1	9.1	9.2	9.5	9.8	9.6
60°	7.5	7.5	7.5	8.8	9.4	9.5	9.5	9.6	10.0	10.1	9.8
57.5°	7.5	7.5	7.7	9.1	9.7	9.8	10.0	10.1	10.5	10.5	10.4
55°	7.5	7.5	7.9	9.4	10.0	10.2	10.6	10.7	10.9	11.0	11.1
52.5°	7.5	7.5	8.1	9.7	10.3	10.6	11.1	11.3	11.4	11.6	11.9
50°	7.5	7.5	8.3	10.1	10.5	11.1	11.7	12.0	11.9	12.3	13.7
47.5°	7.5	7.5	8.4	10.4	10.8	11.6	12.3	12.8	12.5	12.9	15.5
45°	7.5	7.5	8.6	10.6	11.1	12.1	13.0	13.6	13.4	14.4	17.3
42.5°	7.5	7.5	8.7	10.8	11.4	12.6	13.8	14.5	14.5	15.9	19.1
40°	7.5	7.5	8.8	10.9	11.7	13.1	14.6	15.5	15.8	17.3	20.7
37.5°	7.5	7.5	8.9	10.9	12.1	13.7	15.5	16.5	17.5	19.2	22.0
35°	7.5	7.5	9.0	11.0	12.5	14.3	16.3	17.6	19.2	21.4	22.9
32.5°	7.5	7.5	9.1	11.0	13.0	15.0	17.3	18.8	20.8	23.8	25.4
30°	7.5	7.5	9.1	11.0	13.4	15.7	18.2	20.0	22.4	26.3	28.2
27.5°	7.5	7.5	9.2	11.0	13.5	16.4	19.2	21.4	24.2	29.0	31.4
25°	7.5	7.5	9.2	11.0	13.5	17.1	20.1	22.7	26.4	31.7	34.9
22.5°	7.5	7.5	9.3	11.0	13.5	17.6	21.1	24.1	28.7	34.6	40.3
20°	7.5	7.5	9.3	11.0	13.5	17.6	22.1	25.3	30.9	37.5	46.0
17.5°	7.5	7.5	9.3	11.0	13.4	17.5	22.3	26.6	33.2	40.6	52.1
15°	7.5	7.5	9.3	10.9	13.3	17.3	21.9	27.1	35.5	43.8	58.4
12.5°	7.5	7.5	9.2	10.9	13.1	17.0	21.4	26.7	36.6	47.0	64.8
10°	7.5	7.5	9.2	10.8	12.9	16.7	20.8	26.3	36.5	48.4	70.9
7.5°	7.5	7.5	9.2	10.8	12.7	16.3	20.2	25.8	36.3	49.7	76.5
5°	7.5	7.5	9.1	10.7	12.5	15.9	19.5	25.3	35.9	50.8	81.9
2.5°	7.5	7.5	9.1	10.6	12.3	15.5	18.8	24.7	35.3	51.8	87.0
0°	7.5	7.5	9.0	10.5	12.0	15.0	18.0	24.0	34.6	52.6	91.6
-2.5°	7.5	7.5	9.0	10.5	12.1	15.2	18.8	26.6	40.8	63.0	105.9
-5°	7.5	7.6	9.0	10.5	12.2	15.3	19.5	29.0	46.6	72.8	119.2
-7.5°	7.5	7.6	9.0	10.5	12.3	15.4	20.2	31.1	51.9	81.9	131.2
-10°	7.5	7.6	9.0	10.4	12.4	15.4	20.7	33.0	56.6	90.1	141.9
-12.5°	7.5	7.7	8.9	10.4	12.4	15.5	21.1	34.5	60.4	97.3	152.0
-15°	7.5	7.7	8.9	10.3	12.5	15.5	21.4	35.6	64.3	104.7	160.8
-17.5°	7.5	7.7	8.9	10.3	12.5	15.4	21.5	37.3	68.5	110.9	167.7
-20°	7.5	7.7	8.9	10.2	12.4	15.4	21.8	39.2	71.5	115.8	172.5



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.5	7.8	8.9	10.2	12.3	15.3	22.4	40.2	73.3	119.2	175.1
-25°	7.5	7.8	8.8	10.1	12.2	15.4	22.7	40.4	73.7	121.1	175.3
-27.5°	7.5	7.8	8.8	10.0	12.1	15.6	22.5	39.5	72.6	121.4	176.8
-30°	7.5	7.8	8.8	9.9	11.9	15.6	21.9	37.6	71.2	120.0	176.3
-32.5°	7.5	7.8	8.8	9.8	11.9	15.6	20.9	36.5	69.0	116.6	173.8
-35°	7.5	7.9	8.8	9.7	11.8	15.5	20.5	35.3	65.3	111.1	169.2
-37.5°	7.5	7.9	8.8	9.6	11.7	15.4	20.3	33.4	60.0	103.6	156.4
-40°	7.5	7.9	8.7	9.4	11.6	15.2	20.0	30.8	53.1	95.7	141.7
-42.5°	7.5	7.9	8.7	9.4	11.5	15.0	19.6	27.6	47.9	83.9	125.4
-45°	7.5	7.9	8.7	9.3	11.4	14.7	19.0	25.0	43.4	70.8	108.2
-47.5°	7.5	7.9	8.7	9.3	11.4	14.4	18.3	24.1	37.8	56.9	92.4
-50°	7.5	7.9	8.7	9.3	11.3	14.0	17.8	23.1	30.9	49.0	75.5
-52.5°	7.5	7.9	8.8	9.4	11.2	13.6	17.2	21.8	27.4	40.5	58.5
-55°	7.5	7.9	8.8	9.4	11.0	13.3	16.6	20.5	25.4	31.7	48.5
-57.5°	7.5	7.8	8.8	9.4	10.8	13.1	16.0	19.7	23.4	27.9	37.9
-60°	7.5	7.8	8.8	9.4	10.6	12.8	15.3	18.6	21.5	25.5	29.7
-62.5°	7.5	7.8	8.7	9.4	10.6	12.5	14.8	17.6	20.2	23.1	27.0
-65°	7.5	7.8	8.6	9.4	10.4	12.1	14.3	16.5	18.9	21.4	24.2
-67.5°	7.5	7.8	8.6	9.4	10.3	11.8	13.8	15.8	17.6	19.9	22.2
-70°	7.5	7.7	8.5	9.3	10.1	11.4	13.2	15.0	16.7	18.4	20.6
-72.5°	7.5	7.7	8.4	9.2	10.0	11.1	12.6	14.2	15.8	17.4	19.0
-75°	7.5	7.7	8.2	9.0	9.7	10.7	12.0	13.4	14.9	16.4	17.8
-77.5°	7.5	7.7	8.1	8.8	9.5	10.2	11.3	12.5	13.8	15.2	16.6
-80°	7.5	7.6	8.0	8.6	9.3	9.9	10.6	11.5	12.6	13.7	15.0
-82.5°	7.5	7.6	7.9	8.5	9.0	9.6	10.1	10.7	11.3	12.2	13.2
-85°	7.5	7.6	7.8	8.3	8.8	9.3	9.8	10.1	10.5	11.0	11.5
-87.5°	7.5	7.5	7.6	8.1	8.5	8.9	9.4	9.6	9.8	10.0	10.3
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5



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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°	9.0	9.0	9.0	9.0	9.4	9.8	10.1	10.5	10.5	10.5	10.5
87.5°	7.1	6.8	6.4	6.0	5.6	5.3	4.9	4.5	4.5	4.5	4.5
85°	7.1	6.8	6.4	6.0	5.7	5.5	5.3	5.1	5.0	4.9	4.7
82.5°	7.2	6.8	6.4	6.0	5.9	5.9	6.0	6.0	5.7	5.3	4.9
80°	7.2	6.8	6.6	6.5	6.5	6.5	6.3	6.1	5.7	5.4	5.2
77.5°	7.3	7.2	7.2	7.3	7.2	7.0	6.8	6.8	6.7	6.6	6.4
75°	7.4	7.5	7.6	7.6	7.4	7.4	7.5	7.5	7.4	7.2	7.2
72.5°	7.7	7.9	7.9	7.7	7.5	7.5	7.5	7.5	8.4	9.8	10.9
70°	8.4	8.4	8.1	7.7	7.5	7.9	9.6	11.7	13.7	15.8	18.4
67.5°	8.9	8.5	8.2	8.1	9.3	11.2	13.5	19.0	25.7	28.6	29.7
65°	9.0	8.6	9.0	10.2	11.8	15.8	21.8	29.6	38.0	39.5	38.5
62.5°	9.1	9.4	10.4	12.5	15.8	21.1	28.8	37.5	47.1	47.2	41.2
60°	9.7	10.3	12.6	16.1	19.9	25.8	34.6	41.3	48.3	51.1	39.0
57.5°	10.5	12.1	15.6	19.8	24.6	28.9	33.7	40.2	43.0	42.9	31.7
55°	11.9	14.6	18.9	24.1	27.6	26.7	30.0	32.2	32.7	30.5	22.0
52.5°	14.2	17.3	22.8	27.3	28.0	25.2	23.5	24.6	23.1	19.7	17.1
50°	16.5	20.9	26.3	29.2	27.7	22.6	18.7	18.9	17.8	16.3	14.6
47.5°	19.0	24.1	29.4	30.6	25.4	21.6	18.1	16.8	16.0	15.4	14.1
45°	21.5	26.4	32.0	28.6	24.6	22.4	19.7	16.5	16.5	16.0	16.0
42.5°	23.6	28.2	30.5	26.8	26.2	24.7	22.3	19.3	18.1	18.8	19.2
40°	24.9	29.6	29.3	29.3	28.8	27.9	26.3	23.9	21.4	23.0	23.9
37.5°	25.8	29.4	30.2	33.5	32.5	32.2	31.1	31.4	29.6	28.6	32.3
35°	26.3	30.1	35.3	39.2	38.7	37.4	39.3	40.5	39.8	38.7	44.4
32.5°	27.1	31.6	41.6	45.8	47.4	46.5	49.0	51.3	53.7	56.7	65.8
30°	30.0	37.4	48.8	53.4	58.0	63.4	62.2	64.0	70.7	92.0	111.9
27.5°	35.8	45.1	56.0	63.4	71.7	84.3	87.0	83.7	104.2	138.3	173.7
25°	42.4	67.8	63.7	75.3	92.0	109.4	118.7	126.0	154.1	203.8	241.0
22.5°	55.3	97.8	97.2	88.3	114.9	138.3	160.8	210.7	281.4	304.1	311.4
20°	77.3	127.8	137.2	140.2	149.3	170.7	208.9	326.1	467.5	520.8	463.8
17.5°	103.3	160.6	181.4	204.2	232.1	238.5	271.0	464.9	699.1	779.2	779.5
15°	132.3	195.8	228.4	274.5	320.4	349.4	457.4	691.7	949.7	1076.5	1149.0
12.5°	163.3	232.7	277.4	349.7	413.1	463.9	699.7	1073.3	1313.3	1424.0	1635.3
10°	195.4	270.6	327.7	428.1	508.7	580.7	972.1	1480.5	1714.3	1822.7	2064.1
7.5°	227.4	306.1	376.9	507.9	605.8	698.4	1262.1	1901.2	2101.2	2197.8	2394.5
5°	258.1	337.4	415.8	568.5	682.6	794.8	1525.3	2320.3	2476.0	2554.0	2665.0
2.5°	286.4	367.2	453.1	623.0	744.2	855.6	1639.7	2504.2	2675.2	2792.1	2886.7
0°	311.0	395.1	488.3	673.0	802.2	911.9	1723.2	2656.1	2836.4	2976.1	3090.3
-2.5°	312.2	401.0	499.8	670.9	789.3	902.9	1643.5	2621.8	2891.7	3101.4	3272.5
-5°	309.2	404.4	508.3	664.4	773.3	889.3	1538.6	2539.5	2903.0	3126.3	3301.0
-7.5°	303.1	405.3	513.2	652.8	749.6	855.1	1446.9	2371.3	2771.8	2962.9	3148.6
-10°	295.0	403.0	505.9	625.6	715.5	808.0	1330.3	2175.8	2637.3	2801.5	2973.9
-12.5°	288.0	398.3	495.0	598.9	680.9	759.6	1177.7	1960.7	2503.9	2647.0	2784.6
-15°	279.8	392.1	482.7	573.9	646.5	710.8	987.3	1733.2	2373.7	2534.2	2640.7
-17.5°	271.0	384.6	469.5	552.0	613.2	662.4	761.8	1459.7	2156.7	2401.5	2526.1
-20°	262.2	375.9	455.6	534.3	581.9	628.2	694.8	1181.1	1818.4	2241.3	2400.4



REPORT NUMBER: P701725 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	254.1	366.4	442.0	516.2	565.1	606.3	659.5	909.9	1461.1	2060.2	2252.0
-25°	251.1	351.6	428.6	498.7	552.8	585.5	623.2	682.1	1131.1	1700.5	2085.3
-27.5°	250.2	339.3	413.0	480.3	543.0	567.8	596.7	641.6	871.6	1331.5	1879.7
-30°	246.3	321.7	395.7	461.0	524.2	557.8	576.0	611.5	673.2	1026.5	1476.2
-32.5°	234.9	302.8	375.0	440.3	501.8	551.9	565.8	595.7	641.2	742.3	1107.2
-35°	220.7	285.1	352.7	418.0	478.8	534.6	565.8	583.4	613.8	662.0	825.9
-37.5°	207.2	266.0	329.6	393.7	453.0	509.5	563.9	579.5	599.9	634.3	696.8
-40°	191.6	245.7	306.9	367.8	425.1	481.1	534.6	580.1	592.4	627.1	670.8
-42.5°	173.8	226.1	283.5	340.4	394.0	448.8	502.8	553.7	601.4	625.2	659.0
-45°	154.2	204.0	258.8	309.7	359.8	413.3	466.0	518.9	580.5	636.0	658.6
-47.5°	132.9	179.7	230.9	276.7	323.4	373.0	425.8	481.6	543.5	604.9	668.3
-50°	111.1	154.4	198.9	242.2	285.1	330.6	379.1	437.9	497.0	558.3	619.8
-52.5°	91.0	127.3	167.2	207.0	246.4	286.4	332.9	386.0	443.0	501.8	556.4
-55°	69.8	102.1	134.6	171.4	208.3	243.8	284.9	332.9	382.3	436.5	485.9
-57.5°	54.2	76.8	104.8	134.9	168.9	203.3	240.8	279.1	323.1	368.6	409.4
-60°	41.9	56.5	76.8	102.1	128.3	160.9	196.0	231.0	266.4	300.0	334.8
-62.5°	30.9	42.4	55.3	71.5	94.2	118.4	148.4	180.4	212.7	241.1	266.5
-65°	27.8	31.0	40.0	51.3	62.0	83.3	105.9	128.6	156.4	181.3	204.4
-67.5°	24.6	27.6	30.5	34.9	45.0	56.1	67.6	87.4	107.2	124.5	141.7
-70°	22.5	24.2	26.7	29.2	32.0	37.1	46.9	57.0	67.1	79.1	94.2
-72.5°	20.6	22.1	23.7	25.2	27.6	30.3	33.2	36.2	42.1	50.2	58.4
-75°	18.9	20.0	21.4	22.7	24.2	25.8	27.7	30.2	32.5	34.6	36.5
-77.5°	17.5	18.3	19.2	20.3	21.4	22.7	24.0	25.5	26.9	28.5	30.2
-80°	15.8	16.5	17.1	17.8	18.6	19.4	20.4	21.4	22.1	22.9	23.9
-82.5°	13.7	14.2	14.7	15.2	15.7	16.2	16.6	17.2	17.5	17.8	18.1
-85°	11.8	12.0	12.3	12.7	13.0	13.3	13.6	13.9	13.8	13.7	13.5
-87.5°	10.4	10.5	10.6	10.7	11.0	11.2	11.4	11.6	11.3	11.1	10.8
-90°	7.1	6.8	6.4	6.0	5.6	5.3	4.9	4.5	4.5	4.5	4.5



REPORT NUMBER: P701725 (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°	10.5	10.5	10.5	10.5	10.5	14.6	18.7	22.9	27.0	37.1	47.3
87.5°	4.5	4.1	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5
85°	4.5	4.1	3.8	3.4	3.0	2.9	2.9	2.9	2.9	2.6	2.2
82.5°	4.5	4.3	4.2	4.1	4.1	3.9	3.6	3.3	3.0	2.6	2.3
80°	5.0	4.9	4.9	4.7	4.5	4.2	3.8	3.4	3.0	3.0	3.0
77.5°	6.2	6.0	5.6	5.2	4.6	4.4	4.3	4.2	4.2	4.0	3.7
75°	7.4	7.3	7.1	6.7	6.1	6.0	6.0	5.9	5.7	5.5	5.2
72.5°	11.9	12.1	11.5	11.1	10.2	9.9	9.9	9.8	9.6	9.4	9.3
70°	19.9	20.1	19.4	18.0	15.7	14.2	13.6	12.8	11.9	12.1	12.9
67.5°	28.7	26.7	24.6	22.2	18.9	16.5	15.3	14.1	12.6	11.9	11.6
65°	34.8	27.6	23.5	20.8	19.0	17.2	15.2	13.4	11.8	10.7	10.1
62.5°	33.3	23.6	19.3	17.3	15.8	14.6	12.6	10.9	9.4	8.4	8.4
60°	28.6	19.7	15.1	13.5	12.0	10.6	9.6	8.7	8.0	7.6	8.0
57.5°	22.3	15.5	11.9	11.3	10.5	9.5	8.9	8.6	8.1	7.5	8.0
55°	16.3	13.6	12.1	11.6	11.2	10.7	10.2	9.5	8.9	8.5	8.7
52.5°	14.1	13.3	13.2	13.0	12.1	11.3	10.4	10.3	10.2	10.0	10.1
50°	13.7	13.6	13.7	13.3	12.5	12.1	11.9	11.8	11.7	11.5	11.6
47.5°	14.1	14.3	14.3	13.6	13.4	13.6	13.5	13.4	13.6	13.8	14.0
45°	15.4	15.9	16.0	16.3	15.9	16.3	16.4	16.2	18.7	19.0	17.8
42.5°	18.7	20.7	22.2	21.7	19.8	23.8	29.7	32.3	29.7	25.8	23.2
40°	26.7	29.2	30.3	32.3	40.2	46.3	40.8	35.1	32.7	34.7	36.4
37.5°	37.4	40.7	50.3	62.3	57.9	47.2	48.4	48.8	47.7	50.9	51.3
35°	54.6	70.2	81.6	78.0	72.5	71.4	74.0	74.9	67.6	71.0	72.1
32.5°	87.6	106.4	107.3	102.5	105.2	105.7	113.1	108.1	101.9	105.0	113.3
30°	126.5	145.1	151.9	143.2	127.4	136.3	143.8	141.5	145.9	158.7	172.3
27.5°	187.3	199.4	210.6	193.2	161.6	175.5	180.8	175.4	205.3	221.4	253.4
25°	259.8	273.5	282.3	267.7	245.9	234.7	251.7	264.5	301.0	336.7	386.7
22.5°	338.8	375.5	386.0	348.0	347.9	347.8	354.4	397.9	447.0	525.7	657.6
20°	430.9	503.8	562.2	523.6	474.1	507.5	548.9	602.2	742.4	1099.1	1504.6
17.5°	757.1	705.9	813.3	816.9	745.6	823.7	972.4	1163.7	1755.5	3575.1	4767.9
15°	1288.2	1234.3	1167.5	1170.9	1241.3	1394.4	1698.6	2758.2	5371.9	9255.4	13269.0
12.5°	1830.5	1749.6	1651.2	1625.1	1778.7	2087.1	3522.4	7882.3	14036.5	20738.4	37930.3
10°	2258.4	2215.3	2124.5	2192.3	2448.9	3354.4	6289.8	13851.6	26551.1	48754.5	76151.2
7.5°	2509.5	2493.0	2517.5	2716.4	3134.7	5518.7	11972.7	23213.0	44140.1	77786.7	127144.5
5°	2761.5	2775.2	2849.4	3123.0	3658.4	7019.7	16898.0	32257.4	63911.8	113370.3	189804.3
2.5°	3040.8	3053.3	3153.1	3497.6	4110.3	7254.4	18070.2	38017.4	81034.6	145847.0	247165.5
0°	3362.2	3290.1	3320.2	3634.1	4266.6	8461.1	20853.9	41689.7	89684.7	159337.3	262676.7
-2.5°	3476.4	3322.1	3293.9	3559.0	4113.4	7498.1	18628.5	38767.4	82373.5	145972.9	244937.7
-5°	3398.9	3188.1	3103.8	3320.7	3846.9	6574.8	15663.6	35275.6	73135.0	124872.7	207550.6
-7.5°	3206.4	3004.3	2880.0	3043.2	3502.7	5417.7	11998.2	26713.1	53233.9	92392.2	147439.2
-10°	3041.2	2847.4	2657.9	2710.3	3028.5	4032.7	7469.4	17497.5	35170.9	62367.3	93737.7
-12.5°	2898.1	2735.7	2452.0	2365.9	2544.2	3015.4	5213.2	11926.2	22496.9	35378.9	57368.9
-15°	2750.1	2617.1	2333.7	2197.3	2260.9	2490.5	3085.9	5728.3	12318.3	20967.9	30441.1
-17.5°	2585.9	2494.6	2324.3	2122.8	2036.6	2128.9	2413.3	3229.3	5474.2	10864.9	16771.7
-20°	2474.7	2423.9	2298.9	2122.0	2011.3	1968.7	2067.3	2317.1	2868.4	4934.6	7479.3



REPORT NUMBER: P701725 (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°	2335.5	2314.4	2229.9	2179.3	2098.3	2006.8	1920.3	1997.8	2180.8	2462.3	3341.7
-25°	2203.6	2208.8	2214.3	2280.9	2267.9	2140.0	1975.9	1858.4	1920.0	2008.3	2186.3
-27.5°	2057.8	2130.2	2242.7	2368.0	2426.2	2318.0	2124.7	1948.5	1896.0	1844.5	1919.7
-30°	1929.8	2077.2	2197.5	2350.7	2451.2	2418.9	2319.2	2200.4	2071.8	1982.4	1953.0
-32.5°	1599.2	2007.9	2119.3	2242.4	2392.4	2440.1	2428.8	2383.2	2328.1	2265.1	2199.8
-35°	1242.9	1696.5	2069.8	2140.7	2238.8	2380.2	2491.5	2499.3	2492.2	2469.0	2451.5
-37.5°	877.7	1309.6	1702.8	2018.5	2136.2	2230.4	2400.9	2531.2	2605.3	2599.5	2601.2
-40°	728.9	847.8	1243.5	1608.4	1878.8	2131.0	2266.9	2437.5	2573.1	2628.4	2670.5
-42.5°	703.2	749.2	796.5	1070.3	1418.4	1723.6	1958.2	2174.7	2366.1	2502.7	2611.1
-45°	685.0	716.3	752.1	797.5	846.5	1119.1	1422.3	1704.1	1888.4	2072.6	2265.0
-47.5°	684.3	692.0	717.3	749.3	780.5	824.7	875.3	944.1	1148.0	1333.1	1528.6
-50°	663.9	694.8	703.4	713.1	733.1	757.3	781.2	805.9	829.2	843.9	863.7
-52.5°	603.5	643.6	681.0	710.1	717.8	725.1	732.0	748.1	763.6	776.5	791.2
-55°	530.6	573.0	614.2	647.8	678.0	706.5	727.8	731.3	736.1	741.7	750.7
-57.5°	451.7	492.9	531.9	567.1	600.2	631.0	653.1	669.6	685.0	699.7	718.7
-60°	370.5	406.8	442.5	476.5	509.2	540.2	560.7	577.4	592.0	606.4	626.0
-62.5°	291.0	318.9	351.1	381.8	410.1	436.8	458.0	476.0	490.9	505.9	524.0
-65°	226.2	246.9	270.8	293.3	314.2	338.9	361.8	380.5	395.6	410.4	426.6
-67.5°	161.4	180.7	203.0	223.8	243.3	262.2	281.3	299.3	316.1	332.9	349.8
-70°	107.9	121.5	137.6	155.3	173.6	190.7	207.1	222.9	237.8	252.9	267.3
-72.5°	66.9	75.3	84.3	96.1	108.4	120.3	132.0	143.7	155.2	168.8	182.2
-75°	38.2	41.6	48.4	54.9	61.1	66.9	71.9	76.2	79.7	87.7	96.4
-77.5°	32.0	33.7	35.5	37.3	39.1	41.6	44.3	47.1	50.0	56.4	63.4
-80°	24.9	26.1	27.3	28.6	30.0	31.9	33.8	35.6	37.3	42.0	47.0
-82.5°	18.4	19.0	19.5	19.9	20.4	21.8	23.3	24.8	26.2	30.1	34.1
-85°	13.4	13.6	13.8	14.0	14.2	15.4	16.7	17.9	19.2	23.0	26.9
-87.5°	10.5	10.5	10.5	10.5	10.5	11.8	13.1	14.3	15.4	19.5	23.6
-90°	4.5	4.1	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.5	1.5



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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°	57.4	67.6	57.1	46.6	57.1	67.6	57.4	47.3	37.1	27.0	22.9
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9
85°	1.9	1.5	1.5	1.5	1.5	1.5	1.9	2.2	2.6	2.9	2.9
82.5°	1.9	1.5	2.2	3.0	2.2	1.5	1.9	2.3	2.6	3.0	3.3
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.4
77.5°	3.4	3.0	3.0	3.0	3.0	3.0	3.4	3.7	4.0	4.2	4.2
75°	4.8	4.5	4.5	4.5	4.5	4.5	4.8	5.2	5.5	5.7	5.9
72.5°	9.2	8.9	9.0	9.0	9.0	8.9	9.2	9.3	9.4	9.6	9.8
70°	13.8	14.7	15.0	15.0	15.0	14.7	13.8	12.9	12.1	11.9	12.8
67.5°	11.2	10.7	10.5	10.5	10.5	10.7	11.2	11.6	11.9	12.6	14.1
65°	9.6	9.1	9.0	9.0	9.0	9.1	9.6	10.1	10.7	11.8	13.4
62.5°	8.6	8.9	9.0	9.0	9.0	8.9	8.6	8.4	8.4	9.4	10.9
60°	8.5	8.9	9.0	9.0	9.0	8.9	8.5	8.0	7.6	8.0	8.7
57.5°	8.4	8.9	9.0	9.0	9.0	8.9	8.4	8.0	7.5	8.1	8.6
55°	8.9	9.0	9.6	10.5	9.6	9.0	8.9	8.7	8.5	8.9	9.5
52.5°	10.3	10.4	10.5	10.5	10.5	10.4	10.3	10.1	10.0	10.2	10.3
50°	11.8	11.9	12.0	12.0	12.0	11.9	11.8	11.6	11.5	11.7	11.8
47.5°	14.5	14.8	14.9	15.0	14.9	14.8	14.5	14.0	13.8	13.6	13.4
45°	18.1	18.0	17.9	18.0	17.9	18.0	18.1	17.8	19.0	18.7	16.2
42.5°	24.1	24.8	25.3	25.5	25.3	24.8	24.1	23.2	25.8	29.7	32.3
40°	38.2	38.8	38.4	37.6	38.4	38.8	38.2	36.4	34.7	32.7	35.1
37.5°	51.9	53.0	53.7	54.1	53.7	53.0	51.9	51.3	50.9	47.7	48.8
35°	72.8	73.7	73.2	75.1	73.2	73.7	72.8	72.1	71.0	67.6	74.9
32.5°	118.7	119.4	115.7	117.2	115.7	119.4	118.7	113.3	105.0	101.9	108.1
30°	181.9	190.2	195.2	201.3	195.2	190.2	181.9	172.3	158.7	145.9	141.5
27.5°	276.8	297.3	310.7	318.5	310.7	297.3	276.8	253.4	221.4	205.3	175.4
25°	432.3	463.4	480.1	492.8	480.1	463.4	432.3	386.7	336.7	301.0	264.5
22.5°	839.7	958.4	1024.8	1087.7	1024.8	958.4	839.7	657.6	525.7	447.0	397.9
20°	2153.1	2291.8	2553.1	2714.7	2553.1	2291.8	2153.1	1504.6	1099.1	742.4	602.2
17.5°	7253.0	9246.9	9619.2	9900.4	9619.2	9246.9	7253.0	4767.9	3575.1	1755.5	1163.7
15°	21599.6	27517.4	29110.1	30465.8	29110.1	27517.4	21599.6	13269.0	9255.4	5371.9	2758.2
12.5°	52150.7	68438.2	77297.2	84027.7	77297.2	68438.2	52150.7	37930.3	20738.4	14036.5	7882.3
10°	109263.3	141150.6	165353.2	179369.4	165353.2	141150.6	109263.3	76151.2	48754.5	26551.1	13851.6
7.5°	186071.0	240117.3	271710.5	287792.0	271710.5	240117.3	186071.0	127144.5	77786.7	44140.1	23213.0
5°	280647.3	350415.6	394507.6	418752.5	394507.6	350415.6	280647.3	189804.3	113370.3	63911.8	32257.4
2.5°	350555.2	440061.2	506153.6	537242.2	506153.6	440061.2	350555.2	247165.5	145847.0	81034.6	38017.4
0°	375867.7	469773.2	545327.0	590589.2	545327.0	469773.2	375867.7	262676.7	159337.3	89684.7	41689.7
-2.5°	351703.7	439860.7	498706.7	526090.3	498706.7	439860.7	351703.7	244937.7	145972.9	82373.5	38767.4
-5°	299074.0	375292.1	417580.2	435481.0	417580.2	375292.1	299074.0	207550.6	124872.7	73135.0	35275.6
-7.5°	212187.7	270327.2	300049.2	317681.6	300049.2	270327.2	212187.7	147439.2	92392.2	53233.9	26713.1
-10°	133592.7	166276.4	194707.3	207568.2	194707.3	166276.4	133592.7	93737.7	62367.3	35170.9	17497.5
-12.5°	77583.7	98276.2	114911.5	121978.1	114911.5	98276.2	77583.7	57368.9	35378.9	22496.9	11926.2
-15°	42874.9	54182.8	61841.7	64837.6	61841.7	54182.8	42874.9	30441.1	20967.9	12318.3	5728.3
-17.5°	23841.7	29329.0	31505.9	34996.8	31505.9	29329.0	23841.7	16771.7	10864.9	5474.2	3229.3
-20°	11680.3	14525.5	15437.8	17900.3	15437.8	14525.5	11680.3	7479.3	4934.6	2868.4	2317.1



REPORT NUMBER: P701725 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	4537.1	5208.6	5358.3	6526.1	5358.3	5208.6	4537.1	3341.7	2462.3	2180.8	1997.8
-25°	2356.2	2469.4	2522.0	2659.1	2522.0	2469.4	2356.2	2186.3	2008.3	1920.0	1858.4
-27.5°	1980.7	2035.5	2079.3	2145.3	2079.3	2035.5	1980.7	1919.7	1844.5	1896.0	1948.5
-30°	1930.4	1920.8	1922.1	1929.0	1922.1	1920.8	1930.4	1953.0	1982.4	2071.8	2200.4
-32.5°	2147.8	2114.5	2097.9	2035.7	2097.9	2114.5	2147.8	2199.8	2265.1	2328.1	2383.2
-35°	2440.9	2438.1	2440.2	2411.2	2440.2	2438.1	2440.9	2451.5	2469.0	2492.2	2499.3
-37.5°	2602.1	2606.8	2612.5	2603.5	2612.5	2606.8	2602.1	2601.2	2599.5	2605.3	2531.2
-40°	2685.1	2698.7	2708.2	2705.7	2708.2	2698.7	2685.1	2670.5	2628.4	2573.1	2437.5
-42.5°	2665.2	2698.7	2715.2	2720.7	2715.2	2698.7	2665.2	2611.1	2502.7	2366.1	2174.7
-45°	2441.0	2577.8	2660.3	2683.2	2660.3	2577.8	2441.0	2265.0	2072.6	1888.4	1704.1
-47.5°	1748.6	1951.1	2140.9	2307.6	2140.9	1951.1	1748.6	1528.6	1333.1	1148.0	944.1
-50°	888.4	911.3	958.1	1026.1	958.1	911.3	888.4	863.7	843.9	829.2	805.9
-52.5°	805.7	818.9	832.0	844.3	832.0	818.9	805.7	791.2	776.5	763.6	748.1
-55°	759.3	767.3	773.4	778.2	773.4	767.3	759.3	750.7	741.7	736.1	731.3
-57.5°	734.9	748.4	760.0	769.2	760.0	748.4	734.9	718.7	699.7	685.0	669.6
-60°	643.2	658.0	671.8	683.6	671.8	658.0	643.2	626.0	606.4	592.0	577.4
-62.5°	539.6	552.7	566.3	578.4	566.3	552.7	539.6	524.0	505.9	490.9	476.0
-65°	441.0	453.6	464.9	474.7	464.9	453.6	441.0	426.6	410.4	395.6	380.5
-67.5°	365.4	379.8	394.1	407.1	394.1	379.8	365.4	349.8	332.9	316.1	299.3
-70°	280.4	292.2	302.3	311.0	302.3	292.2	280.4	267.3	252.9	237.8	222.9
-72.5°	194.4	205.5	218.2	229.9	218.2	205.5	194.4	182.2	168.8	155.2	143.7
-75°	104.8	112.9	120.5	127.7	120.5	112.9	104.8	96.4	87.7	79.7	76.2
-77.5°	70.4	77.4	82.4	87.1	82.4	77.4	70.4	63.4	56.4	50.0	47.1
-80°	51.9	56.7	60.7	64.6	60.7	56.7	51.9	47.0	42.0	37.3	35.6
-82.5°	38.0	41.9	45.1	48.1	45.1	41.9	38.0	34.1	30.1	26.2	24.8
-85°	30.7	34.5	37.6	40.6	37.6	34.5	30.7	26.9	23.0	19.2	17.9
-87.5°	27.6	31.6	33.8	36.1	33.8	31.6	27.6	23.6	19.5	15.4	14.3
-90°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	18.7	14.6	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
87.5°	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.5	4.5	4.5	4.5
85°	2.9	2.9	3.0	3.4	3.8	4.1	4.5	4.7	4.9	5.0	5.1
82.5°	3.6	3.9	4.1	4.1	4.2	4.3	4.5	4.9	5.3	5.7	6.0
80°	3.8	4.2	4.5	4.7	4.9	4.9	5.0	5.2	5.4	5.7	6.1
77.5°	4.3	4.4	4.6	5.2	5.6	6.0	6.2	6.4	6.6	6.7	6.8
75°	6.0	6.0	6.1	6.7	7.1	7.3	7.4	7.2	7.2	7.4	7.5
72.5°	9.9	9.9	10.2	11.1	11.5	12.1	11.9	10.9	9.8	8.4	7.5
70°	13.6	14.2	15.7	18.0	19.4	20.1	19.9	18.4	15.8	13.7	11.7
67.5°	15.3	16.5	18.9	22.2	24.6	26.7	28.7	29.7	28.6	25.7	19.0
65°	15.2	17.2	19.0	20.8	23.5	27.6	34.8	38.5	39.5	38.0	29.6
62.5°	12.6	14.6	15.8	17.3	19.3	23.6	33.3	41.2	47.2	47.1	37.5
60°	9.6	10.6	12.0	13.5	15.1	19.7	28.6	39.0	51.1	48.3	41.3
57.5°	8.9	9.5	10.5	11.3	11.9	15.5	22.3	31.7	42.9	43.0	40.2
55°	10.2	10.7	11.2	11.6	12.1	13.6	16.3	22.0	30.5	32.7	32.2
52.5°	10.4	11.3	12.1	13.0	13.2	13.3	14.1	17.1	19.7	23.1	24.6
50°	11.9	12.1	12.5	13.3	13.7	13.6	13.7	14.6	16.3	17.8	18.9
47.5°	13.5	13.6	13.4	13.6	14.3	14.3	14.1	14.1	15.4	16.0	16.8
45°	16.4	16.3	15.9	16.3	16.0	15.9	15.4	16.0	16.0	16.5	16.5
42.5°	29.7	23.8	19.8	21.7	22.2	20.7	18.7	19.2	18.8	18.1	19.3
40°	40.8	46.3	40.2	32.3	30.3	29.2	26.7	23.9	23.0	21.4	23.9
37.5°	48.4	47.2	57.9	62.3	50.3	40.7	37.4	32.3	28.6	29.6	31.4
35°	74.0	71.4	72.5	78.0	81.6	70.2	54.6	44.4	38.7	39.8	40.5
32.5°	113.1	105.7	105.2	102.5	107.3	106.4	87.6	65.8	56.7	53.7	51.3
30°	143.8	136.3	127.4	143.2	151.9	145.1	126.5	111.9	92.0	70.7	64.0
27.5°	180.8	175.5	161.6	193.2	210.6	199.4	187.3	173.7	138.3	104.2	83.7
25°	251.7	234.7	245.9	267.7	282.3	273.5	259.8	241.0	203.8	154.1	126.0
22.5°	354.4	347.8	347.9	348.0	386.0	375.5	338.8	311.4	304.1	281.4	210.7
20°	548.9	507.5	474.1	523.6	562.2	503.8	430.9	463.8	520.8	467.5	326.1
17.5°	972.4	823.7	745.6	816.9	813.3	705.9	757.1	779.5	779.2	699.1	464.9
15°	1698.6	1394.4	1241.3	1170.9	1167.5	1234.3	1288.2	1149.0	1076.5	949.7	691.7
12.5°	3522.4	2087.1	1778.7	1625.1	1651.2	1749.6	1830.5	1635.3	1424.0	1313.3	1073.3
10°	6289.8	3354.4	2448.9	2192.3	2124.5	2215.3	2258.4	2064.1	1822.7	1714.3	1480.5
7.5°	11972.7	5518.7	3134.7	2716.4	2517.5	2493.0	2509.5	2394.5	2197.8	2101.2	1901.2
5°	16898.0	7019.7	3658.4	3123.0	2849.4	2775.2	2761.5	2665.0	2554.0	2476.0	2320.3
2.5°	18070.2	7254.4	4110.3	3497.6	3153.1	3053.3	3040.8	2886.7	2792.1	2675.2	2504.2
0°	20853.9	8461.1	4266.6	3634.1	3320.2	3290.1	3362.2	3090.3	2976.1	2836.4	2656.1
-2.5°	18628.5	7498.1	4113.4	3559.0	3293.9	3322.1	3476.4	3272.5	3101.4	2891.7	2621.8
-5°	15663.6	6574.8	3846.9	3320.7	3103.8	3188.1	3398.9	3301.0	3126.3	2903.0	2539.5
-7.5°	11998.2	5417.7	3502.7	3043.2	2880.0	3004.3	3206.4	3148.6	2962.9	2771.8	2371.3
-10°	7469.4	4032.7	3028.5	2710.3	2657.9	2847.4	3041.2	2973.9	2801.5	2637.3	2175.8
-12.5°	5213.2	3015.4	2544.2	2365.9	2452.0	2735.7	2898.1	2784.6	2647.0	2503.9	1960.7
-15°	3085.9	2490.5	2260.9	2197.3	2333.7	2617.1	2750.1	2640.7	2534.2	2373.7	1733.2
-17.5°	2413.3	2128.9	2036.6	2122.8	2324.3	2494.6	2585.9	2526.1	2401.5	2156.7	1459.7
-20°	2067.3	1968.7	2011.3	2122.0	2298.9	2423.9	2474.7	2400.4	2241.3	1818.4	1181.1



REPORT NUMBER: P701725 (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°	1920.3	2006.8	2098.3	2179.3	2229.9	2314.4	2335.5	2252.0	2060.2	1461.1	909.9
-25°	1975.9	2140.0	2267.9	2280.9	2214.3	2208.8	2203.6	2085.3	1700.5	1131.1	682.1
-27.5°	2124.7	2318.0	2426.2	2368.0	2242.7	2130.2	2057.8	1879.7	1331.5	871.6	641.6
-30°	2319.2	2418.9	2451.2	2350.7	2197.5	2077.2	1929.8	1476.2	1026.5	673.2	611.5
-32.5°	2428.8	2440.1	2392.4	2242.4	2119.3	2007.9	1599.2	1107.2	742.3	641.2	595.7
-35°	2491.5	2380.2	2238.8	2140.7	2069.8	1696.5	1242.9	825.9	662.0	613.8	583.4
-37.5°	2400.9	2230.4	2136.2	2018.5	1702.8	1309.6	877.7	696.8	634.3	599.9	579.5
-40°	2266.9	2131.0	1878.8	1608.4	1243.5	847.8	728.9	670.8	627.1	592.4	580.1
-42.5°	1958.2	1723.6	1418.4	1070.3	796.5	749.2	703.2	659.0	625.2	601.4	553.7
-45°	1422.3	1119.1	846.5	797.5	752.1	716.3	685.0	658.6	636.0	580.5	518.9
-47.5°	875.3	824.7	780.5	749.3	717.3	692.0	684.3	668.3	604.9	543.5	481.6
-50°	781.2	757.3	733.1	713.1	703.4	694.8	663.9	619.8	558.3	497.0	437.9
-52.5°	732.0	725.1	717.8	710.1	681.0	643.6	603.5	556.4	501.8	443.0	386.0
-55°	727.8	706.5	678.0	647.8	614.2	573.0	530.6	485.9	436.5	382.3	332.9
-57.5°	653.1	631.0	600.2	567.1	531.9	492.9	451.7	409.4	368.6	323.1	279.1
-60°	560.7	540.2	509.2	476.5	442.5	406.8	370.5	334.8	300.0	266.4	231.0
-62.5°	458.0	436.8	410.1	381.8	351.1	318.9	291.0	266.5	241.1	212.7	180.4
-65°	361.8	338.9	314.2	293.3	270.8	246.9	226.2	204.4	181.3	156.4	128.6
-67.5°	281.3	262.2	243.3	223.8	203.0	180.7	161.4	141.7	124.5	107.2	87.4
-70°	207.1	190.7	173.6	155.3	137.6	121.5	107.9	94.2	79.1	67.1	57.0
-72.5°	132.0	120.3	108.4	96.1	84.3	75.3	66.9	58.4	50.2	42.1	36.2
-75°	71.9	66.9	61.1	54.9	48.4	41.6	38.2	36.5	34.6	32.5	30.2
-77.5°	44.3	41.6	39.1	37.3	35.5	33.7	32.0	30.2	28.5	26.9	25.5
-80°	33.8	31.9	30.0	28.6	27.3	26.1	24.9	23.9	22.9	22.1	21.4
-82.5°	23.3	21.8	20.4	19.9	19.5	19.0	18.4	18.1	17.8	17.5	17.2
-85°	16.7	15.4	14.2	14.0	13.8	13.6	13.4	13.5	13.7	13.8	13.9
-87.5°	13.1	11.8	10.5	10.5	10.5	10.5	10.5	10.8	11.1	11.3	11.6
-90°	2.3	2.6	3.0	3.4	3.8	4.1	4.5	4.5	4.5	4.5	4.5



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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°	10.1	9.8	9.4	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
87.5°	4.9	5.3	5.6	6.0	6.4	6.8	7.1	7.5	7.5	7.5	7.5
85°	5.3	5.5	5.7	6.0	6.4	6.8	7.1	7.5	7.5	7.5	7.5
82.5°	6.0	5.9	5.9	6.0	6.4	6.8	7.2	7.5	7.5	7.5	7.5
80°	6.3	6.5	6.5	6.5	6.6	6.8	7.2	7.5	7.5	7.5	7.5
77.5°	6.8	7.0	7.2	7.3	7.2	7.2	7.3	7.5	7.5	7.5	7.5
75°	7.5	7.4	7.4	7.6	7.6	7.5	7.4	7.6	7.6	7.5	7.5
72.5°	7.5	7.5	7.5	7.7	7.9	7.9	7.7	7.6	7.8	7.8	7.6
70°	9.6	7.9	7.5	7.7	8.1	8.4	8.4	8.2	8.1	8.1	8.0
67.5°	13.5	11.2	9.3	8.1	8.2	8.5	8.9	8.8	8.7	8.5	8.3
65°	21.8	15.8	11.8	10.2	9.0	8.6	9.0	9.3	9.2	9.0	8.7
62.5°	28.8	21.1	15.8	12.5	10.4	9.4	9.1	9.6	9.8	9.5	9.2
60°	34.6	25.8	19.9	16.1	12.6	10.3	9.7	9.8	10.1	10.0	9.6
57.5°	33.7	28.9	24.6	19.8	15.6	12.1	10.5	10.4	10.5	10.5	10.1
55°	30.0	26.7	27.6	24.1	18.9	14.6	11.9	11.1	11.0	10.9	10.7
52.5°	23.5	25.2	28.0	27.3	22.8	17.3	14.2	11.9	11.6	11.4	11.3
50°	18.7	22.6	27.7	29.2	26.3	20.9	16.5	13.7	12.3	11.9	12.0
47.5°	18.1	21.6	25.4	30.6	29.4	24.1	19.0	15.5	12.9	12.5	12.8
45°	19.7	22.4	24.6	28.6	32.0	26.4	21.5	17.3	14.4	13.4	13.6
42.5°	22.3	24.7	26.2	26.8	30.5	28.2	23.6	19.1	15.9	14.5	14.5
40°	26.3	27.9	28.8	29.3	29.3	29.6	24.9	20.7	17.3	15.8	15.5
37.5°	31.1	32.2	32.5	33.5	30.2	29.4	25.8	22.0	19.2	17.5	16.5
35°	39.3	37.4	38.7	39.2	35.3	30.1	26.3	22.9	21.4	19.2	17.6
32.5°	49.0	46.5	47.4	45.8	41.6	31.6	27.1	25.4	23.8	20.8	18.8
30°	62.2	63.4	58.0	53.4	48.8	37.4	30.0	28.2	26.3	22.4	20.0
27.5°	87.0	84.3	71.7	63.4	56.0	45.1	35.8	31.4	29.0	24.2	21.4
25°	118.7	109.4	92.0	75.3	63.7	67.8	42.4	34.9	31.7	26.4	22.7
22.5°	160.8	138.3	114.9	88.3	97.2	97.8	55.3	40.3	34.6	28.7	24.1
20°	208.9	170.7	149.3	140.2	137.2	127.8	77.3	46.0	37.5	30.9	25.3
17.5°	271.0	238.5	232.1	204.2	181.4	160.6	103.3	52.1	40.6	33.2	26.6
15°	457.4	349.4	320.4	274.5	228.4	195.8	132.3	58.4	43.8	35.5	27.1
12.5°	699.7	463.9	413.1	349.7	277.4	232.7	163.3	64.8	47.0	36.6	26.7
10°	972.1	580.7	508.7	428.1	327.7	270.6	195.4	70.9	48.4	36.5	26.3
7.5°	1262.1	698.4	605.8	507.9	376.9	306.1	227.4	76.5	49.7	36.3	25.8
5°	1525.3	794.8	682.6	568.5	415.8	337.4	258.1	81.9	50.8	35.9	25.3
2.5°	1639.7	855.6	744.2	623.0	453.1	367.2	286.4	87.0	51.8	35.3	24.7
0°	1723.2	911.9	802.2	673.0	488.3	395.1	311.0	91.6	52.6	34.6	24.0
-2.5°	1643.5	902.9	789.3	670.9	499.8	401.0	312.2	105.9	63.0	40.8	26.6
-5°	1538.6	889.3	773.3	664.4	508.3	404.4	309.2	119.2	72.8	46.6	29.0
-7.5°	1446.9	855.1	749.6	652.8	513.2	405.3	303.1	131.2	81.9	51.9	31.1
-10°	1330.3	808.0	715.5	625.6	505.9	403.0	295.0	141.9	90.1	56.6	33.0
-12.5°	1177.7	759.6	680.9	598.9	495.0	398.3	288.0	152.0	97.3	60.4	34.5
-15°	987.3	710.8	646.5	573.9	482.7	392.1	279.8	160.8	104.7	64.3	35.6
-17.5°	761.8	662.4	613.2	552.0	469.5	384.6	271.0	167.7	110.9	68.5	37.3
-20°	694.8	628.2	581.9	534.3	455.6	375.9	262.2	172.5	115.8	71.5	39.2



REPORT NUMBER: P701725 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	659.5	606.3	565.1	516.2	442.0	366.4	254.1	175.1	119.2	73.3	40.2
-25°	623.2	585.5	552.8	498.7	428.6	351.6	251.1	175.3	121.1	73.7	40.4
-27.5°	596.7	567.8	543.0	480.3	413.0	339.3	250.2	176.8	121.4	72.6	39.5
-30°	576.0	557.8	524.2	461.0	395.7	321.7	246.3	176.3	120.0	71.2	37.6
-32.5°	565.8	551.9	501.8	440.3	375.0	302.8	234.9	173.8	116.6	69.0	36.5
-35°	565.8	534.6	478.8	418.0	352.7	285.1	220.7	169.2	111.1	65.3	35.3
-37.5°	563.9	509.5	453.0	393.7	329.6	266.0	207.2	156.4	103.6	60.0	33.4
-40°	534.6	481.1	425.1	367.8	306.9	245.7	191.6	141.7	95.7	53.1	30.8
-42.5°	502.8	448.8	394.0	340.4	283.5	226.1	173.8	125.4	83.9	47.9	27.6
-45°	466.0	413.3	359.8	309.7	258.8	204.0	154.2	108.2	70.8	43.4	25.0
-47.5°	425.8	373.0	323.4	276.7	230.9	179.7	132.9	92.4	56.9	37.8	24.1
-50°	379.1	330.6	285.1	242.2	198.9	154.4	111.1	75.5	49.0	30.9	23.1
-52.5°	332.9	286.4	246.4	207.0	167.2	127.3	91.0	58.5	40.5	27.4	21.8
-55°	284.9	243.8	208.3	171.4	134.6	102.1	69.8	48.5	31.7	25.4	20.5
-57.5°	240.8	203.3	168.9	134.9	104.8	76.8	54.2	37.9	27.9	23.4	19.7
-60°	196.0	160.9	128.3	102.1	76.8	56.5	41.9	29.7	25.5	21.5	18.6
-62.5°	148.4	118.4	94.2	71.5	55.3	42.4	30.9	27.0	23.1	20.2	17.6
-65°	105.9	83.3	62.0	51.3	40.0	31.0	27.8	24.2	21.4	18.9	16.5
-67.5°	67.6	56.1	45.0	34.9	30.5	27.6	24.6	22.2	19.9	17.6	15.8
-70°	46.9	37.1	32.0	29.2	26.7	24.2	22.5	20.6	18.4	16.7	15.0
-72.5°	33.2	30.3	27.6	25.2	23.7	22.1	20.6	19.0	17.4	15.8	14.2
-75°	27.7	25.8	24.2	22.7	21.4	20.0	18.9	17.8	16.4	14.9	13.4
-77.5°	24.0	22.7	21.4	20.3	19.2	18.3	17.5	16.6	15.2	13.8	12.5
-80°	20.4	19.4	18.6	17.8	17.1	16.5	15.8	15.0	13.7	12.6	11.5
-82.5°	16.6	16.2	15.7	15.2	14.7	14.2	13.7	13.2	12.2	11.3	10.7
-85°	13.6	13.3	13.0	12.7	12.3	12.0	11.8	11.5	11.0	10.5	10.1
-87.5°	11.4	11.2	11.0	10.7	10.6	10.5	10.4	10.3	10.0	9.8	9.6
-90°	4.9	5.3	5.6	6.0	6.4	6.8	7.1	7.5	7.5	7.5	7.5



REPORT NUMBER: P701725 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	9.0	8.6	8.3	7.9	7.5	7.5	7.5
87.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
85°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
82.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
80°	7.5	7.5	7.5	7.5	7.5	7.5	7.5
77.5°	7.5	7.6	7.5	7.5	7.5	7.5	7.5
75°	7.6	7.7	7.5	7.5	7.5	7.5	7.5
72.5°	7.7	8.0	7.8	7.5	7.5	7.5	7.5
70°	7.8	8.2	8.1	7.6	7.5	7.5	7.5
67.5°	8.2	8.4	8.4	7.9	7.5	7.5	7.5
65°	8.7	8.7	8.7	8.2	7.5	7.5	7.5
62.5°	9.1	9.1	9.0	8.5	7.5	7.5	7.5
60°	9.5	9.5	9.4	8.8	7.5	7.5	7.5
57.5°	10.0	9.8	9.7	9.1	7.7	7.5	7.5
55°	10.6	10.2	10.0	9.4	7.9	7.5	7.5
52.5°	11.1	10.6	10.3	9.7	8.1	7.5	7.5
50°	11.7	11.1	10.5	10.1	8.3	7.5	7.5
47.5°	12.3	11.6	10.8	10.4	8.4	7.5	7.5
45°	13.0	12.1	11.1	10.6	8.6	7.5	7.5
42.5°	13.8	12.6	11.4	10.8	8.7	7.5	7.5
40°	14.6	13.1	11.7	10.9	8.8	7.5	7.5
37.5°	15.5	13.7	12.1	10.9	8.9	7.5	7.5
35°	16.3	14.3	12.5	11.0	9.0	7.5	7.5
32.5°	17.3	15.0	13.0	11.0	9.1	7.5	7.5
30°	18.2	15.7	13.4	11.0	9.1	7.5	7.5
27.5°	19.2	16.4	13.5	11.0	9.2	7.5	7.5
25°	20.1	17.1	13.5	11.0	9.2	7.5	7.5
22.5°	21.1	17.6	13.5	11.0	9.3	7.5	7.5
20°	22.1	17.6	13.5	11.0	9.3	7.5	7.5
17.5°	22.3	17.5	13.4	11.0	9.3	7.5	7.5
15°	21.9	17.3	13.3	10.9	9.3	7.5	7.5
12.5°	21.4	17.0	13.1	10.9	9.2	7.5	7.5
10°	20.8	16.7	12.9	10.8	9.2	7.5	7.5
7.5°	20.2	16.3	12.7	10.8	9.2	7.5	7.5
5°	19.5	15.9	12.5	10.7	9.1	7.5	7.5
2.5°	18.8	15.5	12.3	10.6	9.1	7.5	7.5
0°	18.0	15.0	12.0	10.5	9.0	7.5	7.5
-2.5°	18.8	15.2	12.1	10.5	9.0	7.5	7.5
-5°	19.5	15.3	12.2	10.5	9.0	7.6	7.5
-7.5°	20.2	15.4	12.3	10.5	9.0	7.6	7.5
-10°	20.7	15.4	12.4	10.4	9.0	7.6	7.5
-12.5°	21.1	15.5	12.4	10.4	8.9	7.7	7.5
-15°	21.4	15.5	12.5	10.3	8.9	7.7	7.5
-17.5°	21.5	15.4	12.5	10.3	8.9	7.7	7.5
-20°	21.8	15.4	12.4	10.2	8.9	7.7	7.5



REPORT NUMBER: P701725 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	22.4	15.3	12.3	10.2	8.9	7.8	7.5
-25°	22.7	15.4	12.2	10.1	8.8	7.8	7.5
-27.5°	22.5	15.6	12.1	10.0	8.8	7.8	7.5
-30°	21.9	15.6	11.9	9.9	8.8	7.8	7.5
-32.5°	20.9	15.6	11.9	9.8	8.8	7.8	7.5
-35°	20.5	15.5	11.8	9.7	8.8	7.9	7.5
-37.5°	20.3	15.4	11.7	9.6	8.8	7.9	7.5
-40°	20.0	15.2	11.6	9.4	8.7	7.9	7.5
-42.5°	19.6	15.0	11.5	9.4	8.7	7.9	7.5
-45°	19.0	14.7	11.4	9.3	8.7	7.9	7.5
-47.5°	18.3	14.4	11.4	9.3	8.7	7.9	7.5
-50°	17.8	14.0	11.3	9.3	8.7	7.9	7.5
-52.5°	17.2	13.6	11.2	9.4	8.8	7.9	7.5
-55°	16.6	13.3	11.0	9.4	8.8	7.9	7.5
-57.5°	16.0	13.1	10.8	9.4	8.8	7.8	7.5
-60°	15.3	12.8	10.6	9.4	8.8	7.8	7.5
-62.5°	14.8	12.5	10.6	9.4	8.7	7.8	7.5
-65°	14.3	12.1	10.4	9.4	8.6	7.8	7.5
-67.5°	13.8	11.8	10.3	9.4	8.6	7.8	7.5
-70°	13.2	11.4	10.1	9.3	8.5	7.7	7.5
-72.5°	12.6	11.1	10.0	9.2	8.4	7.7	7.5
-75°	12.0	10.7	9.7	9.0	8.2	7.7	7.5
-77.5°	11.3	10.2	9.5	8.8	8.1	7.7	7.5
-80°	10.6	9.9	9.3	8.6	8.0	7.6	7.5
-82.5°	10.1	9.6	9.0	8.5	7.9	7.6	7.5
-85°	9.8	9.3	8.8	8.3	7.8	7.6	7.5
-87.5°	9.4	8.9	8.5	8.1	7.6	7.5	7.5
-90°	7.5	7.5	7.5	7.5	7.5	7.5	7.5

(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

