

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: P701629 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-80-1S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701629 (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-40-80-1S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

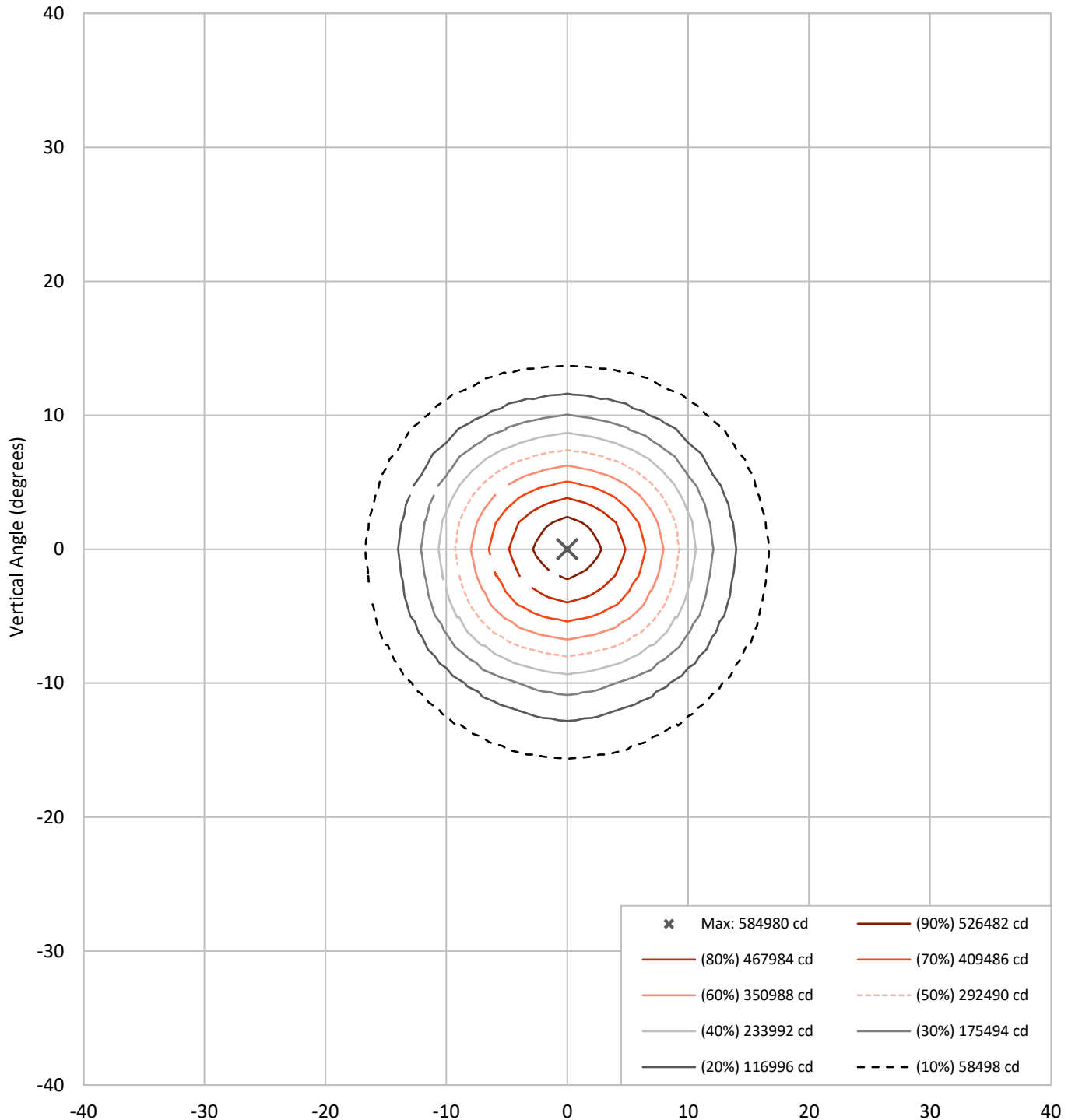
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	60141.5 lumens	Max Intensity:	584980 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	83.0 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:	27736.5 lumens	Field Lumens:	51171 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





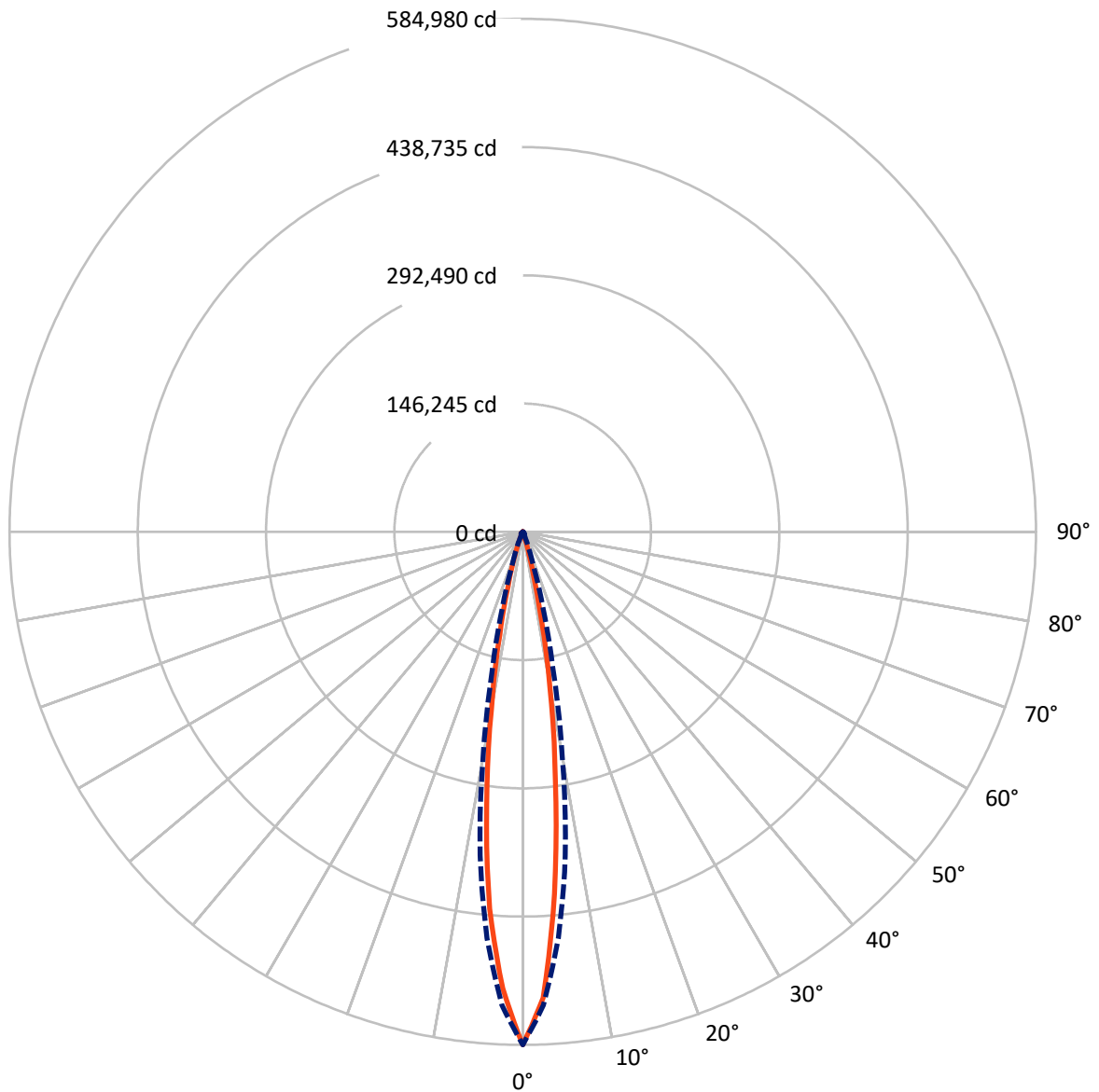
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Lumen Table

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	0.1	0.2	0.6	0.7	0.5	0.3	0.3	0.3	0.3	0.5	0.7	0.6	0.2	0.1	0.2
60		0.2	0.4	0.7	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.7	0.4	0.2	
50	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
40		0.3	0.7	0.9	1.6	2.2	2.3	2.7	2.7	2.3	2.2	1.6	0.9	0.7	0.3	
30	0.4	0.5	1.5	3.5	6.7	7.6	10.9	21.8	21.8	10.9	7.6	6.7	3.5	1.5	0.5	0.4
20		1.2	4.8	16.4	30.6	40.7	301.5	1255.8	1255.8	301.5	40.7	30.6	16.4	4.8	1.2	
10	0.4	2.0	9.7	41.3	66.9	152.1	2212.2	9586.1	9586.1	2212.2	152.1	66.9	41.3	9.7	2.0	0.4
0		2.4	11.3	47.6	78.4	155.8	2374.2	10019.6	10019.6	2374.2	155.8	78.4	47.6	11.3	2.4	
-10	0.5	2.6	9.9	35.9	64.7	71.3	506.3	1966.7	1966.7	506.3	71.3	64.7	35.9	9.9	2.6	0.5
-20		2.5	8.5	20.2	52.1	60.3	66.5	129.5	129.5	66.5	60.3	52.1	20.2	8.5	2.5	
-30	0.5	2.2	7.2	12.8	31.9	60.3	70.4	71.1	71.1	70.4	60.3	31.9	12.8	7.2	2.2	0.5
-40		1.5	5.4	11.0	17.3	30.4	51.3	67.4	67.4	51.3	30.4	17.3	11.0	5.4	1.5	
-50	0.3	0.7	3.0	7.2	12.9	17.8	21.1	23.4	23.4	21.1	17.8	12.9	7.2	3.0	0.7	0.3
-60		0.3	1.0	2.9	5.7	8.9	11.8	13.9	13.9	11.8	8.9	5.7	2.9	1.0	0.3	
-70	0.2	1.0	2.6	6.3	10.6	6.3	2.6	1.0	0.2							
-80		0.2	1.0	2.6	6.3	10.6	6.3	2.6	1.0	0.2						
-90	0.2	1.0	2.6	6.3	10.6	6.3	2.6	1.0	0.2							

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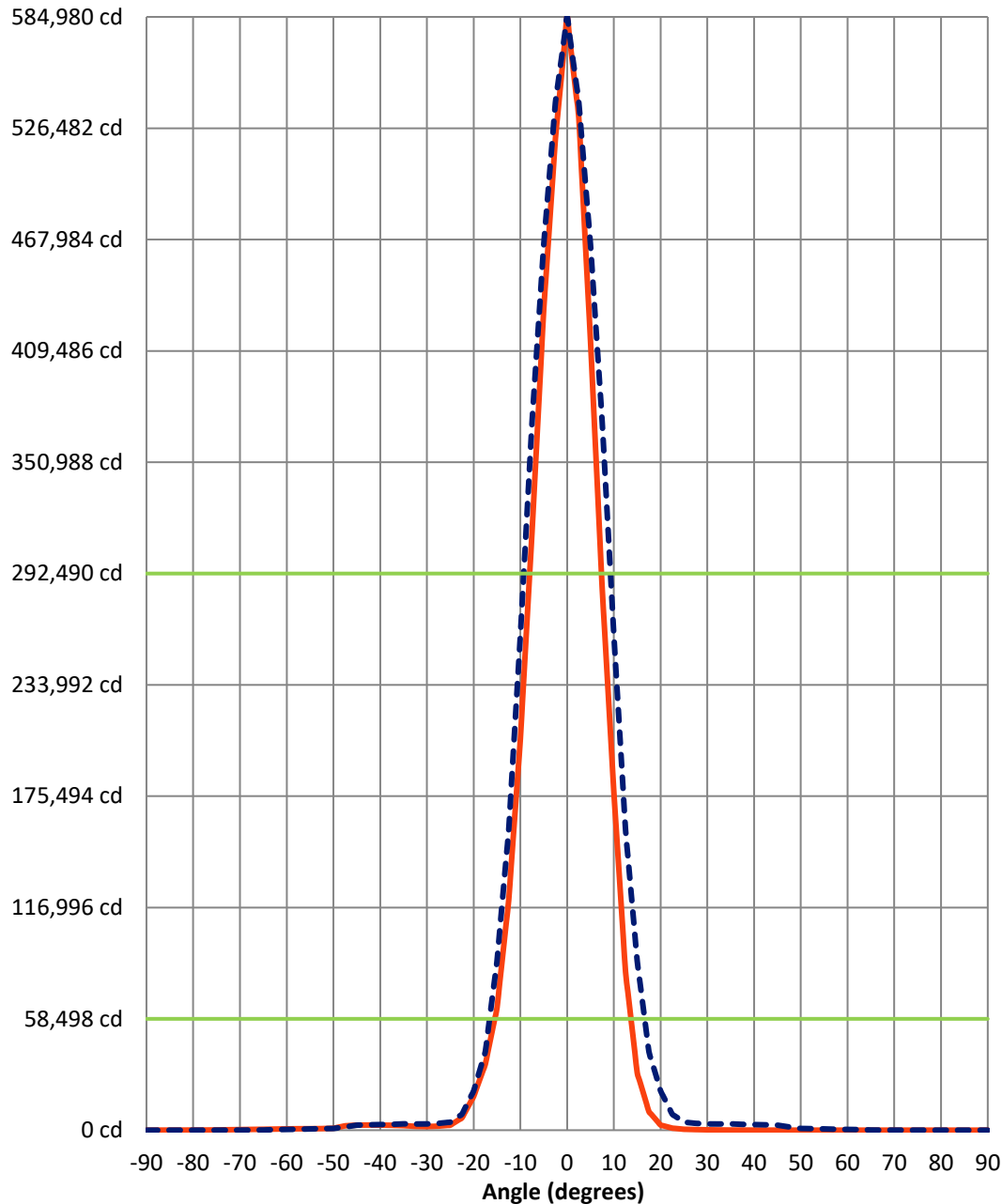
Luminous Intensity Polar Plot



— 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: 27736.5
 Efficiency: 46.1%

Field:
 H Angle: 33.2°
 V Angle: 29.1°
 Lumens: 51171
 Efficiency: 85.1%

Spill:
 Lumens: 8970.5
 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°	7.4	7.4	7.4	7.8	8.2	8.5	8.9	8.9	8.9	8.9	8.9
87.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
85°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
82.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
80°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
77.5°	7.4	7.4	7.4	7.4	7.4	7.5	7.4	7.4	7.4	7.4	7.4
75°	7.4	7.4	7.4	7.4	7.4	7.6	7.5	7.4	7.4	7.5	7.5
72.5°	7.4	7.4	7.4	7.4	7.7	7.9	7.6	7.5	7.7	7.7	7.5
70°	7.4	7.4	7.4	7.5	8.0	8.1	7.7	7.9	8.0	8.0	8.1
67.5°	7.4	7.4	7.4	7.8	8.3	8.3	8.1	8.2	8.4	8.6	8.7
65°	7.4	7.4	7.4	8.1	8.6	8.6	8.6	8.6	8.9	9.1	9.2
62.5°	7.4	7.4	7.4	8.4	8.9	9.0	9.0	9.1	9.4	9.7	9.5
60°	7.4	7.4	7.4	8.7	9.3	9.4	9.4	9.5	9.9	10.0	9.7
57.5°	7.4	7.4	7.6	9.0	9.6	9.7	9.9	10.0	10.4	10.4	10.3
55°	7.4	7.4	7.8	9.3	9.9	10.1	10.5	10.6	10.8	10.9	11.0
52.5°	7.4	7.4	8.0	9.6	10.2	10.5	11.0	11.2	11.3	11.5	11.8
50°	7.4	7.4	8.2	10.0	10.4	11.0	11.6	11.9	11.8	12.2	13.6
47.5°	7.4	7.4	8.3	10.3	10.7	11.5	12.2	12.7	12.4	12.8	15.4
45°	7.4	7.4	8.5	10.5	11.0	12.0	12.9	13.5	13.3	14.3	17.2
42.5°	7.4	7.4	8.6	10.7	11.3	12.5	13.7	14.4	14.3	15.8	19.0
40°	7.4	7.4	8.7	10.8	11.6	13.0	14.5	15.4	15.6	17.2	20.5
37.5°	7.4	7.4	8.8	10.8	12.0	13.6	15.3	16.4	17.3	19.1	21.8
35°	7.4	7.4	8.9	10.9	12.4	14.2	16.2	17.5	19.0	21.3	22.6
32.5°	7.4	7.4	9.0	10.9	12.9	14.9	17.1	18.6	20.7	23.6	25.1
30°	7.4	7.4	9.0	10.9	13.3	15.6	18.0	19.9	22.3	26.1	28.0
27.5°	7.4	7.4	9.1	10.9	13.4	16.3	19.0	21.2	24.1	28.7	31.1
25°	7.4	7.4	9.1	10.9	13.4	17.0	20.0	22.6	26.2	31.4	34.6
22.5°	7.4	7.4	9.2	10.9	13.4	17.5	20.9	23.9	28.4	34.2	39.9
20°	7.4	7.4	9.2	10.9	13.4	17.4	21.9	25.1	30.7	37.2	45.6
17.5°	7.4	7.4	9.2	10.9	13.3	17.3	22.1	26.4	32.9	40.2	51.6
15°	7.4	7.4	9.2	10.8	13.2	17.1	21.7	26.9	35.2	43.3	57.8
12.5°	7.4	7.4	9.1	10.8	13.0	16.9	21.2	26.5	36.2	46.5	64.1
10°	7.4	7.4	9.1	10.7	12.8	16.6	20.7	26.1	36.1	47.9	70.2
7.5°	7.4	7.4	9.1	10.7	12.6	16.2	20.1	25.6	35.9	49.2	75.7
5°	7.4	7.4	9.0	10.6	12.4	15.8	19.4	25.1	35.5	50.3	81.2
2.5°	7.4	7.4	9.0	10.5	12.2	15.4	18.7	24.5	34.9	51.3	86.3
0°	7.4	7.4	8.9	10.4	11.9	14.9	17.9	23.8	34.2	52.1	90.8
-2.5°	7.4	7.4	8.9	10.4	12.0	15.1	18.7	26.3	40.3	62.4	104.9
-5°	7.4	7.5	8.9	10.4	12.1	15.2	19.4	28.7	46.1	72.1	118.1
-7.5°	7.4	7.5	8.9	10.4	12.2	15.3	20.0	30.9	51.4	81.1	130.0
-10°	7.4	7.5	8.9	10.3	12.3	15.3	20.5	32.7	56.1	89.2	140.6
-12.5°	7.4	7.6	8.8	10.3	12.3	15.4	21.0	34.2	59.9	96.4	150.6
-15°	7.4	7.6	8.8	10.2	12.4	15.4	21.2	35.2	63.7	103.7	159.4
-17.5°	7.4	7.6	8.8	10.2	12.4	15.3	21.3	36.9	67.9	109.9	166.2
-20°	7.4	7.6	8.8	10.1	12.3	15.3	21.6	38.8	70.8	114.7	170.9



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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	7.4	7.7	8.8	10.1	12.2	15.2	22.3	39.9	72.6	118.1	173.5
-25°	7.4	7.7	8.7	10.0	12.1	15.3	22.5	40.0	73.0	119.9	173.7
-27.5°	7.4	7.7	8.7	9.9	12.0	15.5	22.4	39.2	71.9	120.2	175.1
-30°	7.4	7.7	8.7	9.8	11.8	15.5	21.8	37.3	70.6	118.8	174.7
-32.5°	7.4	7.7	8.7	9.7	11.8	15.5	20.8	36.2	68.4	115.5	172.2
-35°	7.4	7.8	8.7	9.6	11.7	15.4	20.4	35.0	64.7	110.1	167.6
-37.5°	7.4	7.8	8.7	9.5	11.6	15.2	20.2	33.2	59.4	102.6	154.9
-40°	7.4	7.8	8.6	9.3	11.5	15.1	19.9	30.6	52.6	94.8	140.3
-42.5°	7.4	7.8	8.6	9.3	11.4	14.9	19.4	27.4	47.5	83.1	124.2
-45°	7.4	7.8	8.6	9.2	11.3	14.6	18.9	24.8	43.0	70.2	107.2
-47.5°	7.4	7.8	8.6	9.2	11.3	14.3	18.1	24.0	37.5	56.4	91.5
-50°	7.4	7.8	8.6	9.2	11.2	13.9	17.6	22.9	30.6	48.5	74.8
-52.5°	7.4	7.8	8.7	9.3	11.1	13.5	17.1	21.6	27.2	40.2	58.0
-55°	7.4	7.8	8.7	9.3	10.9	13.2	16.5	20.3	25.2	31.4	48.0
-57.5°	7.4	7.7	8.7	9.3	10.7	13.0	15.8	19.5	23.2	27.6	37.6
-60°	7.4	7.7	8.7	9.3	10.5	12.7	15.2	18.5	21.3	25.3	29.4
-62.5°	7.4	7.7	8.6	9.3	10.5	12.4	14.7	17.4	20.0	22.9	26.8
-65°	7.4	7.7	8.5	9.3	10.3	12.0	14.2	16.4	18.8	21.2	24.0
-67.5°	7.4	7.7	8.5	9.3	10.2	11.7	13.7	15.7	17.5	19.8	22.0
-70°	7.4	7.6	8.4	9.2	10.0	11.3	13.1	14.9	16.6	18.3	20.4
-72.5°	7.4	7.6	8.3	9.1	9.9	11.0	12.5	14.1	15.7	17.3	18.8
-75°	7.4	7.6	8.1	8.9	9.6	10.6	11.9	13.3	14.8	16.2	17.7
-77.5°	7.4	7.6	8.0	8.7	9.4	10.1	11.2	12.4	13.7	15.1	16.5
-80°	7.4	7.5	7.9	8.5	9.2	9.8	10.5	11.4	12.5	13.6	14.9
-82.5°	7.4	7.5	7.8	8.4	8.9	9.5	10.0	10.6	11.2	12.1	13.1
-85°	7.4	7.5	7.7	8.2	8.7	9.2	9.7	10.0	10.4	10.9	11.4
-87.5°	7.4	7.4	7.5	8.0	8.4	8.8	9.3	9.5	9.7	9.9	10.2
-90°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4



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 CATALOG NUMBER: EPH-LS-08-0680R-40-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	8.9	8.9	8.9	8.9	9.3	9.7	10.0	10.4	10.4	10.4	10.4
87.5°	7.1	6.7	6.4	6.0	5.6	5.3	4.9	4.5	4.5	4.5	4.5
85°	7.1	6.7	6.4	6.0	5.7	5.5	5.3	5.1	5.0	4.9	4.7
82.5°	7.1	6.7	6.4	6.0	5.9	5.9	6.0	6.0	5.7	5.3	4.9
80°	7.1	6.8	6.5	6.4	6.5	6.4	6.3	6.1	5.7	5.4	5.2
77.5°	7.2	7.1	7.1	7.2	7.1	6.9	6.8	6.8	6.7	6.5	6.4
75°	7.3	7.4	7.5	7.5	7.3	7.3	7.4	7.4	7.3	7.2	7.2
72.5°	7.6	7.8	7.8	7.6	7.4	7.4	7.4	7.4	8.3	9.7	10.8
70°	8.3	8.3	8.0	7.6	7.4	7.8	9.5	11.6	13.6	15.7	18.3
67.5°	8.8	8.4	8.1	8.0	9.2	11.1	13.4	18.9	25.5	28.3	29.4
65°	8.9	8.5	8.9	10.1	11.7	15.7	21.6	29.3	37.6	39.1	38.2
62.5°	9.0	9.3	10.3	12.4	15.7	20.9	28.5	37.1	46.6	46.8	40.8
60°	9.6	10.2	12.5	15.9	19.7	25.6	34.3	41.0	47.9	50.6	38.7
57.5°	10.4	12.0	15.5	19.6	24.4	28.7	33.4	39.8	42.6	42.5	31.4
55°	11.8	14.5	18.7	23.9	27.4	26.5	29.7	31.9	32.4	30.2	21.8
52.5°	14.1	17.2	22.6	27.1	27.8	25.0	23.2	24.4	22.9	19.5	17.0
50°	16.4	20.8	26.1	28.9	27.4	22.4	18.5	18.7	17.6	16.2	14.5
47.5°	18.9	23.9	29.1	30.3	25.1	21.5	18.0	16.7	15.9	15.3	14.0
45°	21.3	26.2	31.7	28.3	24.4	22.3	19.5	16.4	16.4	15.9	15.9
42.5°	23.4	28.0	30.2	26.6	26.1	24.5	22.1	19.2	18.0	18.7	19.1
40°	24.6	29.3	29.0	29.1	28.6	27.7	26.1	23.7	21.2	22.9	23.8
37.5°	25.5	29.1	29.9	33.2	32.2	31.9	30.8	31.1	29.3	28.4	32.0
35°	26.1	29.8	35.0	38.8	38.3	37.0	38.9	40.1	39.5	38.4	43.9
32.5°	26.9	31.3	41.2	45.4	46.9	46.1	48.5	50.8	53.3	56.2	65.1
30°	29.7	37.0	48.4	52.9	57.5	62.9	61.6	63.4	70.1	91.2	110.9
27.5°	35.4	44.6	55.5	62.8	71.1	83.5	86.2	83.0	103.2	136.9	172.1
25°	41.9	67.1	63.2	74.6	91.2	108.3	117.6	124.9	152.6	201.9	238.7
22.5°	54.7	96.8	96.3	87.5	113.9	137.0	159.3	208.7	278.7	301.2	308.4
20°	76.6	126.6	136.0	139.0	147.9	169.1	207.0	323.0	463.1	515.8	459.4
17.5°	102.3	159.1	179.7	202.3	229.9	236.2	268.5	460.5	692.5	771.8	772.1
15°	131.0	194.0	226.2	272.0	317.4	346.1	453.1	685.1	940.7	1066.3	1138.1
12.5°	161.8	230.5	274.8	346.4	409.2	459.6	693.0	1063.1	1300.8	1410.5	1619.8
10°	193.6	268.0	324.6	424.0	503.9	575.2	962.9	1466.5	1698.0	1805.4	2044.5
7.5°	225.2	303.1	373.3	503.1	600.1	691.8	1250.2	1883.1	2081.2	2176.9	2371.8
5°	255.7	334.2	411.8	563.1	676.2	787.3	1510.8	2298.3	2452.5	2529.8	2639.7
2.5°	283.7	363.7	448.8	617.2	737.2	847.5	1624.2	2480.5	2649.8	2765.6	2859.3
0°	308.0	391.4	483.6	666.7	794.6	903.3	1706.8	2630.9	2809.5	2947.9	3060.9
-2.5°	309.2	397.2	495.0	664.6	781.8	894.3	1627.8	2596.9	2864.3	3071.9	3241.4
-5°	306.3	400.6	503.5	658.2	766.0	880.9	1523.9	2515.3	2875.5	3096.5	3269.7
-7.5°	300.2	401.5	508.4	646.6	742.6	847.0	1433.1	2348.7	2745.4	2934.8	3118.7
-10°	292.2	399.2	501.1	619.7	708.7	800.3	1317.6	2155.1	2612.2	2774.9	2945.6
-12.5°	285.2	394.5	490.3	593.2	674.4	752.4	1166.5	1942.1	2480.1	2621.8	2758.2
-15°	277.1	388.4	478.2	568.4	640.4	704.0	977.9	1716.7	2351.1	2510.2	2615.6
-17.5°	268.4	380.9	465.0	546.8	607.4	656.0	754.6	1445.8	2136.2	2378.7	2502.1
-20°	259.8	372.4	451.3	529.3	576.4	622.2	688.2	1169.8	1801.1	2220.0	2377.6



REPORT NUMBER: P701629 (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°	251.7	362.9	437.8	511.3	559.8	600.5	653.2	901.3	1447.2	2040.6	2230.6
-25°	248.7	348.2	424.6	494.0	547.5	579.9	617.3	675.7	1120.3	1684.3	2065.4
-27.5°	247.9	336.1	409.1	475.7	537.9	562.3	591.0	635.5	863.3	1318.8	1861.8
-30°	244.1	318.6	391.9	456.6	519.2	552.5	570.5	605.7	666.8	1016.8	1462.2
-32.5°	232.7	299.9	371.5	436.1	497.0	546.6	560.4	590.0	635.1	735.2	1096.7
-35°	218.6	282.4	349.4	414.1	474.2	529.4	560.4	577.8	607.9	655.7	818.1
-37.5°	205.3	263.5	326.5	390.0	448.7	504.6	558.5	574.0	594.2	628.2	690.1
-40°	189.8	243.4	304.0	364.3	421.1	476.4	529.5	574.6	586.7	621.1	664.4
-42.5°	172.1	224.0	280.8	337.2	390.3	444.6	498.0	548.4	595.7	619.3	652.7
-45°	152.7	202.1	256.3	306.8	356.4	409.4	461.6	514.0	575.0	629.9	652.3
-47.5°	131.6	178.0	228.8	274.1	320.4	369.5	421.8	477.0	538.4	599.1	661.9
-50°	110.0	152.9	197.0	240.0	282.4	327.5	375.5	433.7	492.3	553.0	613.8
-52.5°	90.2	126.0	165.6	205.1	244.1	283.7	329.8	382.3	438.8	497.0	551.1
-55°	69.2	101.1	133.3	169.8	206.3	241.5	282.3	329.8	378.7	432.3	481.3
-57.5°	53.7	76.0	103.8	133.5	167.3	201.4	238.5	276.5	320.0	365.1	405.5
-60°	41.5	56.0	76.0	101.1	127.0	159.3	194.2	228.8	263.9	297.0	331.6
-62.5°	30.6	42.0	54.7	70.8	93.3	117.2	147.0	178.7	210.7	238.8	264.0
-65°	27.5	30.7	39.6	50.8	61.4	82.5	104.9	127.4	154.9	179.6	202.5
-67.5°	24.4	27.3	30.1	34.5	44.5	55.5	67.0	86.6	106.2	123.3	140.3
-70°	22.3	24.0	26.4	28.9	31.6	36.7	46.4	56.4	66.5	78.4	93.3
-72.5°	20.4	21.9	23.5	25.0	27.3	30.0	32.9	35.8	41.7	49.7	57.9
-75°	18.8	19.8	21.2	22.5	24.0	25.6	27.5	29.9	32.2	34.3	36.1
-77.5°	17.3	18.1	19.0	20.1	21.2	22.5	23.8	25.3	26.7	28.2	29.9
-80°	15.7	16.4	17.0	17.6	18.4	19.3	20.2	21.2	21.9	22.7	23.6
-82.5°	13.6	14.1	14.6	15.1	15.6	16.1	16.5	17.1	17.4	17.6	17.9
-85°	11.7	11.9	12.2	12.6	12.9	13.2	13.5	13.8	13.7	13.6	13.4
-87.5°	10.3	10.4	10.5	10.6	10.9	11.1	11.3	11.5	11.2	11.0	10.7
-90°	7.1	6.7	6.4	6.0	5.6	5.3	4.9	4.5	4.5	4.5	4.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	10.4	10.4	10.4	10.4	10.4	14.5	18.6	22.7	26.8	36.8	46.9
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	5.1	4.6	4.4	4.3	4.2	4.2	4.0	3.7
75°	7.3	7.2	7.1	6.7	6.1	5.9	5.9	5.9	5.7	5.5	5.2
72.5°	11.8	12.0	11.4	11.0	10.1	9.8	9.8	9.7	9.5	9.4	9.2
70°	19.7	20.0	19.3	17.8	15.6	14.1	13.5	12.7	11.8	12.0	12.8
67.5°	28.5	26.5	24.5	22.0	18.8	16.4	15.2	14.0	12.5	11.8	11.5
65°	34.6	27.4	23.4	20.6	18.8	17.1	15.1	13.3	11.7	10.6	10.0
62.5°	33.0	23.4	19.2	17.2	15.7	14.5	12.5	10.8	9.3	8.3	8.3
60°	28.3	19.6	15.0	13.4	11.9	10.5	9.5	8.6	7.9	7.5	7.9
57.5°	22.1	15.3	11.8	11.2	10.4	9.4	8.8	8.5	8.0	7.4	7.9
55°	16.1	13.5	12.0	11.5	11.1	10.6	10.1	9.4	8.8	8.4	8.6
52.5°	14.0	13.2	13.1	12.9	12.0	11.2	10.3	10.2	10.1	9.9	10.0
50°	13.6	13.5	13.6	13.2	12.4	12.0	11.8	11.7	11.6	11.4	11.5
47.5°	14.0	14.2	14.2	13.5	13.3	13.5	13.4	13.3	13.5	13.7	13.9
45°	15.3	15.8	15.9	16.2	15.8	16.2	16.2	16.1	18.6	18.8	17.7
42.5°	18.6	20.6	22.1	21.5	19.6	23.5	29.4	32.0	29.4	25.5	23.0
40°	26.5	29.0	30.0	32.0	39.8	45.8	40.3	34.7	32.4	34.3	36.0
37.5°	37.0	40.3	49.8	61.8	57.4	46.7	47.9	48.3	47.2	50.4	50.8
35°	54.1	69.5	80.9	77.2	71.8	70.8	73.3	74.2	67.0	70.3	71.4
32.5°	86.8	105.4	106.3	101.5	104.2	104.7	112.0	107.1	101.0	104.0	112.3
30°	125.3	143.7	150.5	141.9	126.1	135.0	142.4	140.2	144.6	157.3	170.7
27.5°	185.5	197.4	208.6	191.3	160.1	173.8	179.1	173.7	203.4	219.4	251.0
25°	257.3	270.9	279.6	265.1	243.6	232.5	249.3	262.0	298.2	333.5	383.0
22.5°	335.6	371.9	382.3	344.7	344.6	344.5	351.0	394.1	442.8	520.7	651.4
20°	426.8	499.1	556.9	518.7	469.6	502.7	543.6	596.5	735.3	1088.7	1490.4
17.5°	749.9	699.2	805.6	809.1	738.6	815.9	963.1	1152.7	1738.8	3541.1	4722.6
15°	1276.0	1222.6	1156.3	1159.8	1229.5	1381.2	1682.5	2732.0	5320.9	9167.5	13142.9
12.5°	1813.1	1733.0	1635.5	1609.7	1761.9	2067.3	3489.0	7807.4	13903.2	20541.5	37570.1
10°	2237.0	2194.3	2104.4	2171.5	2425.7	3322.5	6230.0	13720.0	26298.9	48291.5	75427.9
7.5°	2485.6	2469.4	2493.6	2690.6	3104.9	5466.3	11859.0	22992.6	43720.9	77047.9	125936.9
5°	2735.3	2748.8	2822.3	3093.3	3623.6	6953.1	16737.5	31951.1	63304.8	112293.5	188001.5
2.5°	3011.9	3024.3	3123.1	3464.4	4071.3	7185.5	17898.6	37656.3	80265.0	144461.8	244817.9
0°	3330.3	3258.9	3288.6	3599.6	4226.1	8380.8	20655.8	41293.8	88832.9	157823.9	260181.9
-2.5°	3443.3	3290.5	3262.6	3525.3	4074.4	7426.9	18451.7	38399.2	81591.1	144586.5	242611.4
-5°	3366.6	3157.8	3074.3	3289.2	3810.4	6512.4	15514.9	34940.5	72440.4	123686.7	205579.4
-7.5°	3175.9	2975.8	2852.6	3014.3	3469.5	5366.3	11884.3	26459.4	52728.3	91514.8	146038.8
-10°	3012.2	2820.3	2632.7	2684.5	2999.7	3994.4	7398.5	17331.3	34836.8	61775.0	92847.4
-12.5°	2870.5	2709.8	2428.7	2343.3	2519.9	2986.8	5163.7	11812.9	22283.3	35042.9	56824.0
-15°	2723.9	2592.2	2311.6	2176.4	2239.4	2466.9	3056.6	5673.9	12201.3	20768.8	30152.0
-17.5°	2561.4	2470.9	2302.2	2102.6	2017.3	2108.7	2390.4	3198.7	5422.3	10761.7	16612.4
-20°	2451.2	2400.9	2277.1	2101.9	1992.2	1949.9	2047.7	2295.2	2841.2	4887.7	7408.2



REPORT NUMBER: P701629 (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°	2313.3	2292.4	2208.8	2158.7	2078.4	1987.8	1902.1	1978.8	2160.1	2438.9	3309.9
-25°	2182.7	2187.8	2193.2	2259.3	2246.4	2119.7	1957.2	1840.8	1901.8	1989.2	2165.5
-27.5°	2038.3	2110.0	2221.4	2345.5	2403.2	2296.1	2104.5	1930.0	1878.0	1826.9	1901.5
-30°	1911.4	2057.4	2176.6	2328.4	2427.9	2396.0	2297.2	2179.5	2052.2	1963.5	1934.5
-32.5°	1584.0	1988.8	2099.1	2221.1	2369.7	2417.0	2405.7	2360.5	2306.0	2243.6	2178.9
-35°	1231.1	1680.4	2050.2	2120.3	2217.5	2357.6	2467.9	2475.6	2468.5	2445.6	2428.2
-37.5°	869.4	1297.1	1686.6	1999.3	2115.8	2209.2	2378.1	2507.2	2580.7	2574.9	2576.5
-40°	722.0	839.8	1231.6	1593.0	1860.9	2110.6	2245.4	2414.4	2548.7	2603.4	2645.1
-42.5°	696.5	742.1	789.0	1060.1	1404.9	1707.1	1939.5	2154.0	2343.6	2478.9	2586.2
-45°	678.5	709.5	744.9	789.9	838.5	1108.5	1408.7	1687.9	1870.4	2052.9	2243.5
-47.5°	677.8	685.4	710.5	742.2	773.1	816.9	867.1	935.2	1137.1	1320.4	1514.1
-50°	657.5	688.2	696.7	706.3	726.1	750.2	773.8	798.3	821.4	835.9	855.5
-52.5°	597.8	637.4	674.5	703.4	710.9	718.2	725.1	741.0	756.4	769.2	783.7
-55°	525.5	567.5	608.3	641.6	671.6	699.8	720.9	724.4	729.1	734.7	743.6
-57.5°	447.4	488.2	526.9	561.8	594.5	625.0	646.9	663.3	678.5	693.1	711.9
-60°	367.0	403.0	438.3	472.0	504.4	535.1	555.4	572.0	586.4	600.6	620.0
-62.5°	288.2	315.8	347.7	378.1	406.2	432.6	453.6	471.4	486.2	501.1	519.1
-65°	224.1	244.6	268.3	290.5	311.3	335.7	358.3	376.9	391.8	406.5	422.5
-67.5°	159.9	179.0	201.1	221.7	241.0	259.7	278.7	296.5	313.1	329.8	346.5
-70°	106.9	120.3	136.3	153.9	172.0	188.9	205.2	220.8	235.6	250.5	264.7
-72.5°	66.3	74.7	83.5	95.2	107.4	119.2	130.8	142.4	153.7	167.2	180.4
-75°	37.8	41.2	47.9	54.4	60.6	66.3	71.3	75.5	79.0	86.8	95.5
-77.5°	31.7	33.4	35.1	36.9	38.7	41.2	43.9	46.7	49.5	55.9	62.8
-80°	24.7	25.8	27.0	28.3	29.6	31.5	33.4	35.2	37.0	41.6	46.5
-82.5°	18.3	18.8	19.3	19.8	20.2	21.6	23.1	24.6	26.0	29.8	33.8
-85°	13.3	13.5	13.7	13.9	14.1	15.3	16.5	17.8	19.0	22.8	26.6
-87.5°	10.4	10.4	10.4	10.4	10.4	11.7	13.0	14.2	15.3	19.4	23.4
-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°	56.9	67.0	56.5	46.1	56.5	67.0	56.9	46.9	36.8	26.8	22.7
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°	9.1	8.8	8.9	8.9	8.9	8.8	9.1	9.2	9.4	9.5	9.7
70°	13.7	14.6	14.9	14.9	14.9	14.6	13.7	12.8	12.0	11.8	12.7
67.5°	11.1	10.6	10.4	10.4	10.4	10.6	11.1	11.5	11.8	12.5	14.0
65°	9.5	9.0	8.9	8.9	8.9	9.0	9.5	10.0	10.6	11.7	13.3
62.5°	8.5	8.8	8.9	8.9	8.9	8.8	8.5	8.3	8.3	9.3	10.8
60°	8.4	8.8	8.9	8.9	8.9	8.8	8.4	7.9	7.5	7.9	8.6
57.5°	8.3	8.8	8.9	8.9	8.9	8.8	8.3	7.9	7.4	8.0	8.5
55°	8.8	8.9	9.5	10.4	9.5	8.9	8.8	8.6	8.4	8.8	9.4
52.5°	10.2	10.3	10.4	10.4	10.4	10.3	10.2	10.0	9.9	10.1	10.2
50°	11.7	11.8	11.9	11.9	11.9	11.8	11.7	11.5	11.4	11.6	11.7
47.5°	14.4	14.7	14.8	14.9	14.8	14.7	14.4	13.9	13.7	13.5	13.3
45°	17.9	17.9	17.8	17.9	17.8	17.9	17.9	17.7	18.8	18.6	16.1
42.5°	23.9	24.6	25.1	25.3	25.1	24.6	23.9	23.0	25.5	29.4	32.0
40°	37.9	38.4	38.0	37.2	38.0	38.4	37.9	36.0	34.3	32.4	34.7
37.5°	51.4	52.5	53.2	53.6	53.2	52.5	51.4	50.8	50.4	47.2	48.3
35°	72.2	73.0	72.5	74.4	72.5	73.0	72.2	71.4	70.3	67.0	74.2
32.5°	117.6	118.3	114.6	116.1	114.6	118.3	117.6	112.3	104.0	101.0	107.1
30°	180.2	188.4	193.4	199.4	193.4	188.4	180.2	170.7	157.3	144.6	140.2
27.5°	274.2	294.5	307.7	315.5	307.7	294.5	274.2	251.0	219.4	203.4	173.7
25°	428.2	459.0	475.5	488.1	475.5	459.0	428.2	383.0	333.5	298.2	262.0
22.5°	831.7	949.4	1015.1	1077.4	1015.1	949.4	831.7	651.4	520.7	442.8	394.1
20°	2132.7	2270.0	2528.8	2688.9	2528.8	2270.0	2132.7	1490.4	1088.7	735.3	596.5
17.5°	7184.1	9159.1	9527.8	9806.3	9527.8	9159.1	7184.1	4722.6	3541.1	1738.8	1152.7
15°	21394.4	27256.0	28833.7	30176.4	28833.7	27256.0	21394.4	13142.9	9167.5	5320.9	2732.0
12.5°	51655.4	67788.2	76563.0	83229.6	76563.0	67788.2	51655.4	37570.1	20541.5	13903.2	7807.4
10°	108225.5	139809.9	163782.7	177665.8	163782.7	139809.9	108225.5	75427.9	48291.5	26298.9	13720.0
7.5°	184303.7	237836.7	269129.9	285058.6	269129.9	237836.7	184303.7	125936.9	77047.9	43720.9	22992.6
5°	277981.7	347087.4	390760.6	414775.3	390760.6	347087.4	277981.7	188001.5	112293.5	63304.8	31951.1
2.5°	347225.7	435881.6	501346.3	532139.6	501346.3	435881.6	347225.7	244817.9	144461.8	80265.0	37656.3
0°	372297.8	465311.4	540147.6	584980.0	540147.6	465311.4	372297.8	260181.9	157823.9	88832.9	41293.8
-2.5°	348363.4	435683.0	493970.2	521093.7	493970.2	435683.0	348363.4	242611.4	144586.5	81591.1	38399.2
-5°	296233.5	371727.6	413614.1	431344.9	413614.1	371727.6	296233.5	205579.4	123686.7	72440.4	34940.5
-7.5°	210172.4	267759.8	297199.5	314664.3	297199.5	267759.8	210172.4	146038.8	91514.8	52728.3	26459.4
-10°	132323.9	164697.1	192858.0	205596.8	192858.0	164697.1	132323.9	92847.4	61775.0	34836.8	17331.3
-12.5°	76846.8	97342.7	113820.0	120819.5	113820.0	97342.7	76846.8	56824.0	35042.9	22283.3	11812.9
-15°	42467.7	53668.2	61254.4	64221.8	61254.4	53668.2	42467.7	30152.0	20768.8	12201.3	5673.9
-17.5°	23615.3	29050.4	31206.6	34664.4	31206.6	29050.4	23615.3	16612.4	10761.7	5422.3	3198.7
-20°	11569.4	14387.6	15291.2	17730.3	15291.2	14387.6	11569.4	7408.2	4887.7	2841.2	2295.2



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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°	4494.0	5159.1	5307.4	6464.1	5307.4	5159.1	4494.0	3309.9	2438.9	2160.1	1978.8
-25°	2333.8	2446.0	2498.0	2633.9	2498.0	2446.0	2333.8	2165.5	1989.2	1901.8	1840.8
-27.5°	1961.8	2016.2	2059.6	2125.0	2059.6	2016.2	1961.8	1901.5	1826.9	1878.0	1930.0
-30°	1912.1	1902.5	1903.8	1910.7	1903.8	1902.5	1912.1	1934.5	1963.5	2052.2	2179.5
-32.5°	2127.4	2094.4	2078.0	2016.3	2078.0	2094.4	2127.4	2178.9	2243.6	2306.0	2360.5
-35°	2417.7	2415.0	2417.0	2388.3	2417.0	2415.0	2417.7	2428.2	2445.6	2468.5	2475.6
-37.5°	2577.3	2582.0	2587.7	2578.8	2587.7	2582.0	2577.3	2576.5	2574.9	2580.7	2507.2
-40°	2659.6	2673.1	2682.5	2680.0	2682.5	2673.1	2659.6	2645.1	2603.4	2548.7	2414.4
-42.5°	2639.8	2673.0	2689.4	2694.9	2689.4	2673.0	2639.8	2586.2	2478.9	2343.6	2154.0
-45°	2417.8	2553.3	2635.0	2657.7	2635.0	2553.3	2417.8	2243.5	2052.9	1870.4	1687.9
-47.5°	1732.0	1932.5	2120.6	2285.7	2120.6	1932.5	1732.0	1514.1	1320.4	1137.1	935.2
-50°	880.0	902.6	948.9	1016.3	948.9	902.6	880.0	855.5	835.9	821.4	798.3
-52.5°	798.1	811.1	824.0	836.3	824.0	811.1	798.1	783.7	769.2	756.4	741.0
-55°	752.1	760.0	766.1	770.8	766.1	760.0	752.1	743.6	734.7	729.1	724.4
-57.5°	727.9	741.3	752.7	761.9	752.7	741.3	727.9	711.9	693.1	678.5	663.3
-60°	637.1	651.7	665.4	677.1	665.4	651.7	637.1	620.0	600.6	586.4	572.0
-62.5°	534.5	547.5	560.9	572.9	560.9	547.5	534.5	519.1	501.1	486.2	471.4
-65°	436.8	449.3	460.5	470.2	460.5	449.3	436.8	422.5	406.5	391.8	376.9
-67.5°	362.0	376.2	390.4	403.3	390.4	376.2	362.0	346.5	329.8	313.1	296.5
-70°	277.7	289.4	299.4	308.0	299.4	289.4	277.7	264.7	250.5	235.6	220.8
-72.5°	192.6	203.5	216.1	227.7	216.1	203.5	192.6	180.4	167.2	153.7	142.4
-75°	103.8	111.8	119.3	126.5	119.3	111.8	103.8	95.5	86.8	79.0	75.5
-77.5°	69.8	76.7	81.6	86.3	81.6	76.7	69.8	62.8	55.9	49.5	46.7
-80°	51.4	56.1	60.1	64.0	60.1	56.1	51.4	46.5	41.6	37.0	35.2
-82.5°	37.7	41.5	44.6	47.6	44.6	41.5	37.7	33.8	29.8	26.0	24.6
-85°	30.4	34.1	37.2	40.2	37.2	34.1	30.4	26.6	22.8	19.0	17.8
-87.5°	27.4	31.3	33.5	35.7	33.5	31.3	27.4	23.4	19.4	15.3	14.2
-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°	18.6	14.5	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
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	5.1	5.6	6.0	6.2	6.4	6.5	6.7	6.8
75°	5.9	5.9	6.1	6.7	7.1	7.2	7.3	7.2	7.2	7.3	7.4
72.5°	9.8	9.8	10.1	11.0	11.4	12.0	11.8	10.8	9.7	8.3	7.4
70°	13.5	14.1	15.6	17.8	19.3	20.0	19.7	18.3	15.7	13.6	11.6
67.5°	15.2	16.4	18.8	22.0	24.5	26.5	28.5	29.4	28.3	25.5	18.9
65°	15.1	17.1	18.8	20.6	23.4	27.4	34.6	38.2	39.1	37.6	29.3
62.5°	12.5	14.5	15.7	17.2	19.2	23.4	33.0	40.8	46.8	46.6	37.1
60°	9.5	10.5	11.9	13.4	15.0	19.6	28.3	38.7	50.6	47.9	41.0
57.5°	8.8	9.4	10.4	11.2	11.8	15.3	22.1	31.4	42.5	42.6	39.8
55°	10.1	10.6	11.1	11.5	12.0	13.5	16.1	21.8	30.2	32.4	31.9
52.5°	10.3	11.2	12.0	12.9	13.1	13.2	14.0	17.0	19.5	22.9	24.4
50°	11.8	12.0	12.4	13.2	13.6	13.5	13.6	14.5	16.2	17.6	18.7
47.5°	13.4	13.5	13.3	13.5	14.2	14.2	14.0	14.0	15.3	15.9	16.7
45°	16.2	16.2	15.8	16.2	15.9	15.8	15.3	15.9	15.9	16.4	16.4
42.5°	29.4	23.5	19.6	21.5	22.1	20.6	18.6	19.1	18.7	18.0	19.2
40°	40.3	45.8	39.8	32.0	30.0	29.0	26.5	23.8	22.9	21.2	23.7
37.5°	47.9	46.7	57.4	61.8	49.8	40.3	37.0	32.0	28.4	29.3	31.1
35°	73.3	70.8	71.8	77.2	80.9	69.5	54.1	43.9	38.4	39.5	40.1
32.5°	112.0	104.7	104.2	101.5	106.3	105.4	86.8	65.1	56.2	53.3	50.8
30°	142.4	135.0	126.1	141.9	150.5	143.7	125.3	110.9	91.2	70.1	63.4
27.5°	179.1	173.8	160.1	191.3	208.6	197.4	185.5	172.1	136.9	103.2	83.0
25°	249.3	232.5	243.6	265.1	279.6	270.9	257.3	238.7	201.9	152.6	124.9
22.5°	351.0	344.5	344.6	344.7	382.3	371.9	335.6	308.4	301.2	278.7	208.7
20°	543.6	502.7	469.6	518.7	556.9	499.1	426.8	459.4	515.8	463.1	323.0
17.5°	963.1	815.9	738.6	809.1	805.6	699.2	749.9	772.1	771.8	692.5	460.5
15°	1682.5	1381.2	1229.5	1159.8	1156.3	1222.6	1276.0	1138.1	1066.3	940.7	685.1
12.5°	3489.0	2067.3	1761.9	1609.7	1635.5	1733.0	1813.1	1619.8	1410.5	1300.8	1063.1
10°	6230.0	3322.5	2425.7	2171.5	2104.4	2194.3	2237.0	2044.5	1805.4	1698.0	1466.5
7.5°	11859.0	5466.3	3104.9	2690.6	2493.6	2469.4	2485.6	2371.8	2176.9	2081.2	1883.1
5°	16737.5	6953.1	3623.6	3093.3	2822.3	2748.8	2735.3	2639.7	2529.8	2452.5	2298.3
2.5°	17898.6	7185.5	4071.3	3464.4	3123.1	3024.3	3011.9	2859.3	2765.6	2649.8	2480.5
0°	20655.8	8380.8	4226.1	3599.6	3288.6	3258.9	3330.3	3060.9	2947.9	2809.5	2630.9
-2.5°	18451.7	7426.9	4074.4	3525.3	3262.6	3290.5	3443.3	3241.4	3071.9	2864.3	2596.9
-5°	15514.9	6512.4	3810.4	3289.2	3074.3	3157.8	3366.6	3269.7	3096.5	2875.5	2515.3
-7.5°	11884.3	5366.3	3469.5	3014.3	2852.6	2975.8	3175.9	3118.7	2934.8	2745.4	2348.7
-10°	7398.5	3994.4	2999.7	2684.5	2632.7	2820.3	3012.2	2945.6	2774.9	2612.2	2155.1
-12.5°	5163.7	2986.8	2519.9	2343.3	2428.7	2709.8	2870.5	2758.2	2621.8	2480.1	1942.1
-15°	3056.6	2466.9	2239.4	2176.4	2311.6	2592.2	2723.9	2615.6	2510.2	2351.1	1716.7
-17.5°	2390.4	2108.7	2017.3	2102.6	2302.2	2470.9	2561.4	2502.1	2378.7	2136.2	1445.8
-20°	2047.7	1949.9	1992.2	2101.9	2277.1	2400.9	2451.2	2377.6	2220.0	1801.1	1169.8



REPORT NUMBER: P701629 (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°	1902.1	1987.8	2078.4	2158.7	2208.8	2292.4	2313.3	2230.6	2040.6	1447.2	901.3
-25°	1957.2	2119.7	2246.4	2259.3	2193.2	2187.8	2182.7	2065.4	1684.3	1120.3	675.7
-27.5°	2104.5	2296.1	2403.2	2345.5	2221.4	2110.0	2038.3	1861.8	1318.8	863.3	635.5
-30°	2297.2	2396.0	2427.9	2328.4	2176.6	2057.4	1911.4	1462.2	1016.8	666.8	605.7
-32.5°	2405.7	2417.0	2369.7	2221.1	2099.1	1988.8	1584.0	1096.7	735.2	635.1	590.0
-35°	2467.9	2357.6	2217.5	2120.3	2050.2	1680.4	1231.1	818.1	655.7	607.9	577.8
-37.5°	2378.1	2209.2	2115.8	1999.3	1686.6	1297.1	869.4	690.1	628.2	594.2	574.0
-40°	2245.4	2110.6	1860.9	1593.0	1231.6	839.8	722.0	664.4	621.1	586.7	574.6
-42.5°	1939.5	1707.1	1404.9	1060.1	789.0	742.1	696.5	652.7	619.3	595.7	548.4
-45°	1408.7	1108.5	838.5	789.9	744.9	709.5	678.5	652.3	629.9	575.0	514.0
-47.5°	867.1	816.9	773.1	742.2	710.5	685.4	677.8	661.9	599.1	538.4	477.0
-50°	773.8	750.2	726.1	706.3	696.7	688.2	657.5	613.8	553.0	492.3	433.7
-52.5°	725.1	718.2	710.9	703.4	674.5	637.4	597.8	551.1	497.0	438.8	382.3
-55°	720.9	699.8	671.6	641.6	608.3	567.5	525.5	481.3	432.3	378.7	329.8
-57.5°	646.9	625.0	594.5	561.8	526.9	488.2	447.4	405.5	365.1	320.0	276.5
-60°	555.4	535.1	504.4	472.0	438.3	403.0	367.0	331.6	297.0	263.9	228.8
-62.5°	453.6	432.6	406.2	378.1	347.7	315.8	288.2	264.0	238.8	210.7	178.7
-65°	358.3	335.7	311.3	290.5	268.3	244.6	224.1	202.5	179.6	154.9	127.4
-67.5°	278.7	259.7	241.0	221.7	201.1	179.0	159.9	140.3	123.3	106.2	86.6
-70°	205.2	188.9	172.0	153.9	136.3	120.3	106.9	93.3	78.4	66.5	56.4
-72.5°	130.8	119.2	107.4	95.2	83.5	74.7	66.3	57.9	49.7	41.7	35.8
-75°	71.3	66.3	60.6	54.4	47.9	41.2	37.8	36.1	34.3	32.2	29.9
-77.5°	43.9	41.2	38.7	36.9	35.1	33.4	31.7	29.9	28.2	26.7	25.3
-80°	33.4	31.5	29.6	28.3	27.0	25.8	24.7	23.6	22.7	21.9	21.2
-82.5°	23.1	21.6	20.2	19.8	19.3	18.8	18.3	17.9	17.6	17.4	17.1
-85°	16.5	15.3	14.1	13.9	13.7	13.5	13.3	13.4	13.6	13.7	13.8
-87.5°	13.0	11.7	10.4	10.4	10.4	10.4	10.4	10.7	11.0	11.2	11.5
-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°	10.0	9.7	9.3	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
87.5°	4.9	5.3	5.6	6.0	6.4	6.7	7.1	7.4	7.4	7.4	7.4
85°	5.3	5.5	5.7	6.0	6.4	6.7	7.1	7.4	7.4	7.4	7.4
82.5°	6.0	5.9	5.9	6.0	6.4	6.7	7.1	7.4	7.4	7.4	7.4
80°	6.3	6.4	6.5	6.4	6.5	6.8	7.1	7.4	7.4	7.4	7.4
77.5°	6.8	6.9	7.1	7.2	7.1	7.1	7.2	7.4	7.4	7.4	7.4
75°	7.4	7.3	7.3	7.5	7.5	7.4	7.3	7.5	7.5	7.4	7.4
72.5°	7.4	7.4	7.4	7.6	7.8	7.8	7.6	7.5	7.7	7.7	7.5
70°	9.5	7.8	7.4	7.6	8.0	8.3	8.3	8.1	8.0	8.0	7.9
67.5°	13.4	11.1	9.2	8.0	8.1	8.4	8.8	8.7	8.6	8.4	8.2
65°	21.6	15.7	11.7	10.1	8.9	8.5	8.9	9.2	9.1	8.9	8.6
62.5°	28.5	20.9	15.7	12.4	10.3	9.3	9.0	9.5	9.7	9.4	9.1
60°	34.3	25.6	19.7	15.9	12.5	10.2	9.6	9.7	10.0	9.9	9.5
57.5°	33.4	28.7	24.4	19.6	15.5	12.0	10.4	10.3	10.4	10.4	10.0
55°	29.7	26.5	27.4	23.9	18.7	14.5	11.8	11.0	10.9	10.8	10.6
52.5°	23.2	25.0	27.8	27.1	22.6	17.2	14.1	11.8	11.5	11.3	11.2
50°	18.5	22.4	27.4	28.9	26.1	20.8	16.4	13.6	12.2	11.8	11.9
47.5°	18.0	21.5	25.1	30.3	29.1	23.9	18.9	15.4	12.8	12.4	12.7
45°	19.5	22.3	24.4	28.3	31.7	26.2	21.3	17.2	14.3	13.3	13.5
42.5°	22.1	24.5	26.1	26.6	30.2	28.0	23.4	19.0	15.8	14.3	14.4
40°	26.1	27.7	28.6	29.1	29.0	29.3	24.6	20.5	17.2	15.6	15.4
37.5°	30.8	31.9	32.2	33.2	29.9	29.1	25.5	21.8	19.1	17.3	16.4
35°	38.9	37.0	38.3	38.8	35.0	29.8	26.1	22.6	21.3	19.0	17.5
32.5°	48.5	46.1	46.9	45.4	41.2	31.3	26.9	25.1	23.6	20.7	18.6
30°	61.6	62.9	57.5	52.9	48.4	37.0	29.7	28.0	26.1	22.3	19.9
27.5°	86.2	83.5	71.1	62.8	55.5	44.6	35.4	31.1	28.7	24.1	21.2
25°	117.6	108.3	91.2	74.6	63.2	67.1	41.9	34.6	31.4	26.2	22.6
22.5°	159.3	137.0	113.9	87.5	96.3	96.8	54.7	39.9	34.2	28.4	23.9
20°	207.0	169.1	147.9	139.0	136.0	126.6	76.6	45.6	37.2	30.7	25.1
17.5°	268.5	236.2	229.9	202.3	179.7	159.1	102.3	51.6	40.2	32.9	26.4
15°	453.1	346.1	317.4	272.0	226.2	194.0	131.0	57.8	43.3	35.2	26.9
12.5°	693.0	459.6	409.2	346.4	274.8	230.5	161.8	64.1	46.5	36.2	26.5
10°	962.9	575.2	503.9	424.0	324.6	268.0	193.6	70.2	47.9	36.1	26.1
7.5°	1250.2	691.8	600.1	503.1	373.3	303.1	225.2	75.7	49.2	35.9	25.6
5°	1510.8	787.3	676.2	563.1	411.8	334.2	255.7	81.2	50.3	35.5	25.1
2.5°	1624.2	847.5	737.2	617.2	448.8	363.7	283.7	86.3	51.3	34.9	24.5
0°	1706.8	903.3	794.6	666.7	483.6	391.4	308.0	90.8	52.1	34.2	23.8
-2.5°	1627.8	894.3	781.8	664.6	495.0	397.2	309.2	104.9	62.4	40.3	26.3
-5°	1523.9	880.9	766.0	658.2	503.5	400.6	306.3	118.1	72.1	46.1	28.7
-7.5°	1433.1	847.0	742.6	646.6	508.4	401.5	300.2	130.0	81.1	51.4	30.9
-10°	1317.6	800.3	708.7	619.7	501.1	399.2	292.2	140.6	89.2	56.1	32.7
-12.5°	1166.5	752.4	674.4	593.2	490.3	394.5	285.2	150.6	96.4	59.9	34.2
-15°	977.9	704.0	640.4	568.4	478.2	388.4	277.1	159.4	103.7	63.7	35.2
-17.5°	754.6	656.0	607.4	546.8	465.0	380.9	268.4	166.2	109.9	67.9	36.9
-20°	688.2	622.2	576.4	529.3	451.3	372.4	259.8	170.9	114.7	70.8	38.8



REPORT NUMBER: P701629 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	653.2	600.5	559.8	511.3	437.8	362.9	251.7	173.5	118.1	72.6	39.9
-25°	617.3	579.9	547.5	494.0	424.6	348.2	248.7	173.7	119.9	73.0	40.0
-27.5°	591.0	562.3	537.9	475.7	409.1	336.1	247.9	175.1	120.2	71.9	39.2
-30°	570.5	552.5	519.2	456.6	391.9	318.6	244.1	174.7	118.8	70.6	37.3
-32.5°	560.4	546.6	497.0	436.1	371.5	299.9	232.7	172.2	115.5	68.4	36.2
-35°	560.4	529.4	474.2	414.1	349.4	282.4	218.6	167.6	110.1	64.7	35.0
-37.5°	558.5	504.6	448.7	390.0	326.5	263.5	205.3	154.9	102.6	59.4	33.2
-40°	529.5	476.4	421.1	364.3	304.0	243.4	189.8	140.3	94.8	52.6	30.6
-42.5°	498.0	444.6	390.3	337.2	280.8	224.0	172.1	124.2	83.1	47.5	27.4
-45°	461.6	409.4	356.4	306.8	256.3	202.1	152.7	107.2	70.2	43.0	24.8
-47.5°	421.8	369.5	320.4	274.1	228.8	178.0	131.6	91.5	56.4	37.5	24.0
-50°	375.5	327.5	282.4	240.0	197.0	152.9	110.0	74.8	48.5	30.6	22.9
-52.5°	329.8	283.7	244.1	205.1	165.6	126.0	90.2	58.0	40.2	27.2	21.6
-55°	282.3	241.5	206.3	169.8	133.3	101.1	69.2	48.0	31.4	25.2	20.3
-57.5°	238.5	201.4	167.3	133.5	103.8	76.0	53.7	37.6	27.6	23.2	19.5
-60°	194.2	159.3	127.0	101.1	76.0	56.0	41.5	29.4	25.3	21.3	18.5
-62.5°	147.0	117.2	93.3	70.8	54.7	42.0	30.6	26.8	22.9	20.0	17.4
-65°	104.9	82.5	61.4	50.8	39.6	30.7	27.5	24.0	21.2	18.8	16.4
-67.5°	67.0	55.5	44.5	34.5	30.1	27.3	24.4	22.0	19.8	17.5	15.7
-70°	46.4	36.7	31.6	28.9	26.4	24.0	22.3	20.4	18.3	16.6	14.9
-72.5°	32.9	30.0	27.3	25.0	23.5	21.9	20.4	18.8	17.3	15.7	14.1
-75°	27.5	25.6	24.0	22.5	21.2	19.8	18.8	17.7	16.2	14.8	13.3
-77.5°	23.8	22.5	21.2	20.1	19.0	18.1	17.3	16.5	15.1	13.7	12.4
-80°	20.2	19.3	18.4	17.6	17.0	16.4	15.7	14.9	13.6	12.5	11.4
-82.5°	16.5	16.1	15.6	15.1	14.6	14.1	13.6	13.1	12.1	11.2	10.6
-85°	13.5	13.2	12.9	12.6	12.2	11.9	11.7	11.4	10.9	10.4	10.0
-87.5°	11.3	11.1	10.9	10.6	10.5	10.4	10.3	10.2	9.9	9.7	9.5
-90°	4.9	5.3	5.6	6.0	6.4	6.7	7.1	7.4	7.4	7.4	7.4



REPORT NUMBER: P701629 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.9	8.5	8.2	7.8	7.4	7.4	7.4
87.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
85°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
82.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
80°	7.4	7.4	7.4	7.4	7.4	7.4	7.4
77.5°	7.4	7.5	7.4	7.4	7.4	7.4	7.4
75°	7.5	7.6	7.4	7.4	7.4	7.4	7.4
72.5°	7.6	7.9	7.7	7.4	7.4	7.4	7.4
70°	7.7	8.1	8.0	7.5	7.4	7.4	7.4
67.5°	8.1	8.3	8.3	7.8	7.4	7.4	7.4
65°	8.6	8.6	8.6	8.1	7.4	7.4	7.4
62.5°	9.0	9.0	8.9	8.4	7.4	7.4	7.4
60°	9.4	9.4	9.3	8.7	7.4	7.4	7.4
57.5°	9.9	9.7	9.6	9.0	7.6	7.4	7.4
55°	10.5	10.1	9.9	9.3	7.8	7.4	7.4
52.5°	11.0	10.5	10.2	9.6	8.0	7.4	7.4
50°	11.6	11.0	10.4	10.0	8.2	7.4	7.4
47.5°	12.2	11.5	10.7	10.3	8.3	7.4	7.4
45°	12.9	12.0	11.0	10.5	8.5	7.4	7.4
42.5°	13.7	12.5	11.3	10.7	8.6	7.4	7.4
40°	14.5	13.0	11.6	10.8	8.7	7.4	7.4
37.5°	15.3	13.6	12.0	10.8	8.8	7.4	7.4
35°	16.2	14.2	12.4	10.9	8.9	7.4	7.4
32.5°	17.1	14.9	12.9	10.9	9.0	7.4	7.4
30°	18.0	15.6	13.3	10.9	9.0	7.4	7.4
27.5°	19.0	16.3	13.4	10.9	9.1	7.4	7.4
25°	20.0	17.0	13.4	10.9	9.1	7.4	7.4
22.5°	20.9	17.5	13.4	10.9	9.2	7.4	7.4
20°	21.9	17.4	13.4	10.9	9.2	7.4	7.4
17.5°	22.1	17.3	13.3	10.9	9.2	7.4	7.4
15°	21.7	17.1	13.2	10.8	9.2	7.4	7.4
12.5°	21.2	16.9	13.0	10.8	9.1	7.4	7.4
10°	20.7	16.6	12.8	10.7	9.1	7.4	7.4
7.5°	20.1	16.2	12.6	10.7	9.1	7.4	7.4
5°	19.4	15.8	12.4	10.6	9.0	7.4	7.4
2.5°	18.7	15.4	12.2	10.5	9.0	7.4	7.4
0°	17.9	14.9	11.9	10.4	8.9	7.4	7.4
-2.5°	18.7	15.1	12.0	10.4	8.9	7.4	7.4
-5°	19.4	15.2	12.1	10.4	8.9	7.5	7.4
-7.5°	20.0	15.3	12.2	10.4	8.9	7.5	7.4
-10°	20.5	15.3	12.3	10.3	8.9	7.5	7.4
-12.5°	21.0	15.4	12.3	10.3	8.8	7.6	7.4
-15°	21.2	15.4	12.4	10.2	8.8	7.6	7.4
-17.5°	21.3	15.3	12.4	10.2	8.8	7.6	7.4
-20°	21.6	15.3	12.3	10.1	8.8	7.6	7.4



REPORT NUMBER: P701629 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-40-80-1S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	22.3	15.2	12.2	10.1	8.8	7.7	7.4
-25°	22.5	15.3	12.1	10.0	8.7	7.7	7.4
-27.5°	22.4	15.5	12.0	9.9	8.7	7.7	7.4
-30°	21.8	15.5	11.8	9.8	8.7	7.7	7.4
-32.5°	20.8	15.5	11.8	9.7	8.7	7.7	7.4
-35°	20.4	15.4	11.7	9.6	8.7	7.8	7.4
-37.5°	20.2	15.2	11.6	9.5	8.7	7.8	7.4
-40°	19.9	15.1	11.5	9.3	8.6	7.8	7.4
-42.5°	19.4	14.9	11.4	9.3	8.6	7.8	7.4
-45°	18.9	14.6	11.3	9.2	8.6	7.8	7.4
-47.5°	18.1	14.3	11.3	9.2	8.6	7.8	7.4
-50°	17.6	13.9	11.2	9.2	8.6	7.8	7.4
-52.5°	17.1	13.5	11.1	9.3	8.7	7.8	7.4
-55°	16.5	13.2	10.9	9.3	8.7	7.8	7.4
-57.5°	15.8	13.0	10.7	9.3	8.7	7.7	7.4
-60°	15.2	12.7	10.5	9.3	8.7	7.7	7.4
-62.5°	14.7	12.4	10.5	9.3	8.6	7.7	7.4
-65°	14.2	12.0	10.3	9.3	8.5	7.7	7.4
-67.5°	13.7	11.7	10.2	9.3	8.5	7.7	7.4
-70°	13.1	11.3	10.0	9.2	8.4	7.6	7.4
-72.5°	12.5	11.0	9.9	9.1	8.3	7.6	7.4
-75°	11.9	10.6	9.6	8.9	8.1	7.6	7.4
-77.5°	11.2	10.1	9.4	8.7	8.0	7.6	7.4
-80°	10.5	9.8	9.2	8.5	7.9	7.5	7.4
-82.5°	10.0	9.5	8.9	8.4	7.8	7.5	7.4
-85°	9.7	9.2	8.7	8.2	7.7	7.5	7.4
-87.5°	9.3	8.8	8.4	8.0	7.5	7.4	7.4
-90°	7.4	7.4	7.4	7.4	7.4	7.4	7.4

(END OF REPORT)

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

Scaled Data Report



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

Scaled Data Report





Horizontal Angle (degrees)



Horizontal Angle (degrees)

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

Scaled Data Report

