

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: P701737 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-57-80-4S-CV5-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701737 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-23)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-57-80-4S-CV5-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

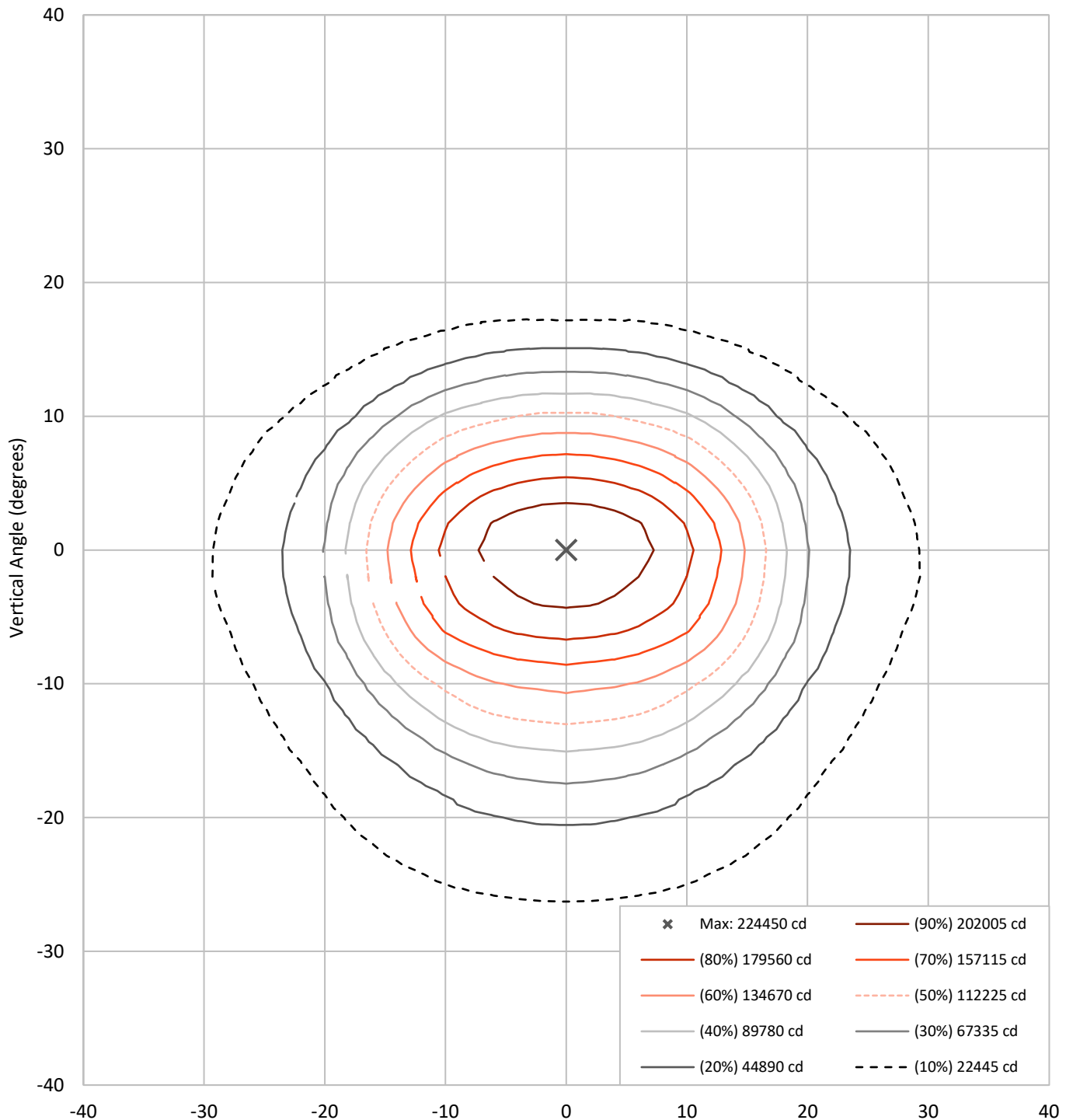
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	59250.8 lumens	Max Intensity:	224450 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	84.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 23.4°V	Field Angle (10%):	58.5°H x 43.2°V
Beam Lumens:	29979 lumens	Field Lumens:	51098.7 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%

Input Watts (W): 697.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





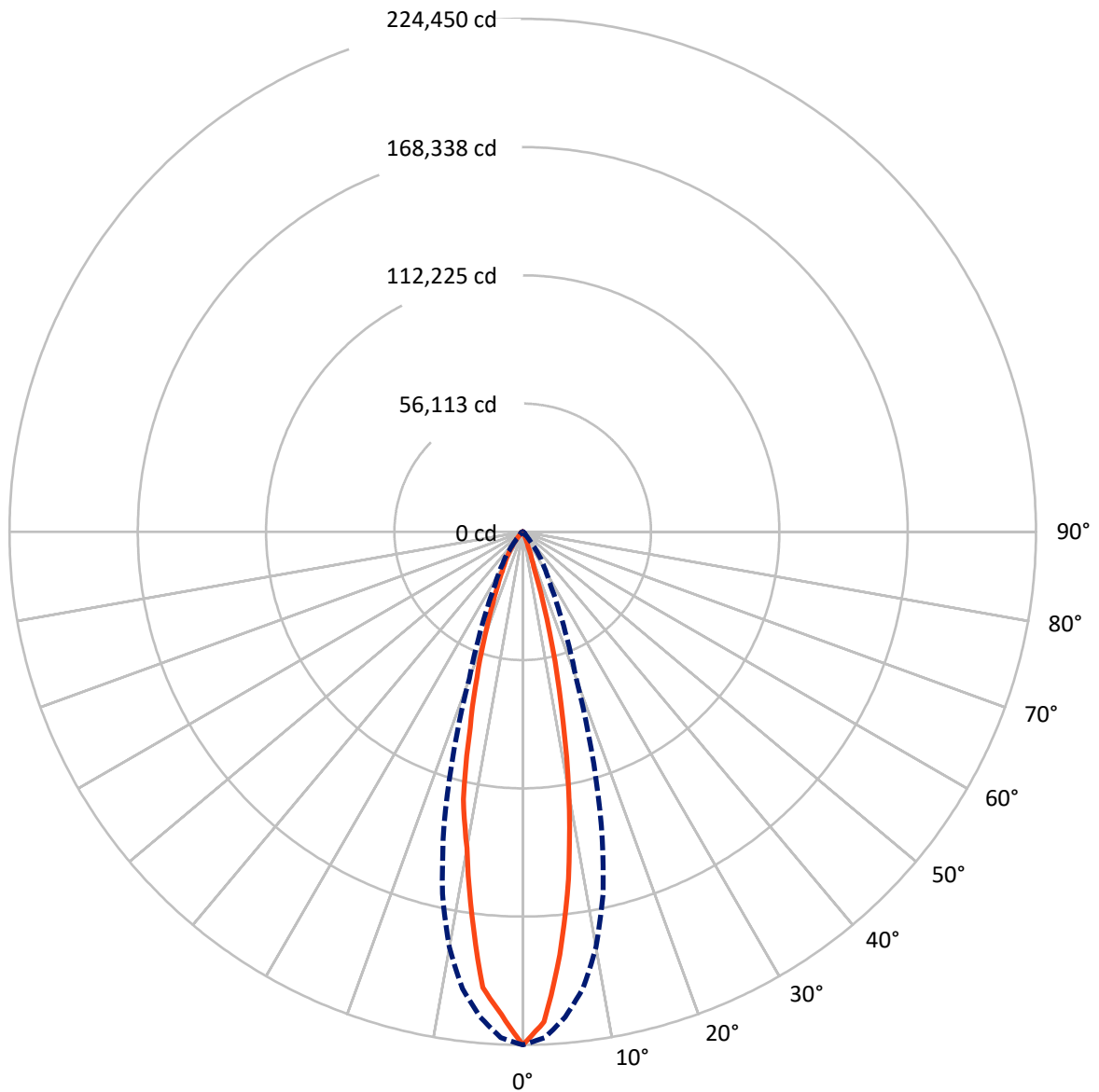
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Lumen Table

90	0.2	0.5	0.8	0.8	0.5	0.8	0.8	0.5	0.2										
80	0.2	0.5	0.8	0.8	0.5	0.8	0.8	0.5	0.2										
70	0.2	0.1	0.2	0.5	0.7	0.5	0.3	0.3	0.3	0.3	0.5	0.7	0.5	0.2	0.1	0.2			
60		0.1	0.3	0.9	0.8	0.3	0.2	0.2	0.2	0.2	0.3	0.8	0.9	0.3	0.1				
50	0.2	0.2	0.4	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.4	0.2	0.2			
40		0.2	0.6	0.9	1.3	2.5	4.6	6.8	6.8	4.6	2.5	1.3	0.9	0.6	0.2				
30	0.3	0.4	1.6	3.3	8.9	24.7	51.2	85.0	85.0	51.2	24.7	8.9	3.3	1.6	0.4	0.3			
20		1.0	5.1	13.4	80.0	249.9	761.2	1422.8	1422.8	761.2	249.9	80.0	13.4	5.1	1.0				
10	0.4	1.9	10.3	33.7	248.2	874.4	3027.3	5151.6	5151.6	3027.3	874.4	248.2	33.7	10.3	1.9	0.4			
0		2.6	12.7	40.5	276.6	964.8	3334.4	5473.7	5473.7	3334.4	964.8	276.6	40.5	12.7	2.6				
-10	0.5	2.8	11.2	28.4	163.9	531.8	1475.6	2593.3	2593.3	1475.6	531.8	163.9	28.4	11.2	2.8	0.5			
-20		2.6	9.5	19.0	68.5	265.8	547.8	797.7	797.7	547.8	265.8	68.5	19.0	9.5	2.6				
-30	0.4	2.2	7.9	14.8	27.8	82.7	187.9	266.7	266.7	187.9	82.7	27.8	14.8	7.9	2.2	0.4			
-40		1.4	5.7	12.2	19.8	29.6	42.8	56.1	56.1	42.8	29.6	19.8	12.2	5.7	1.4				
-50	0.3	0.7	2.9	7.8	14.0	19.5	23.9	26.8	26.8	23.9	19.5	14.0	7.8	2.9	0.7	0.3			
-60		0.3	1.1	2.9	5.8	9.4	12.7	14.6	14.6	12.7	9.4	5.8	2.9	1.1	0.3				
-70																			
-80	0.2	0.9	2.8	7.3	10.4	7.3	2.8	0.9	0.2										
-90																			

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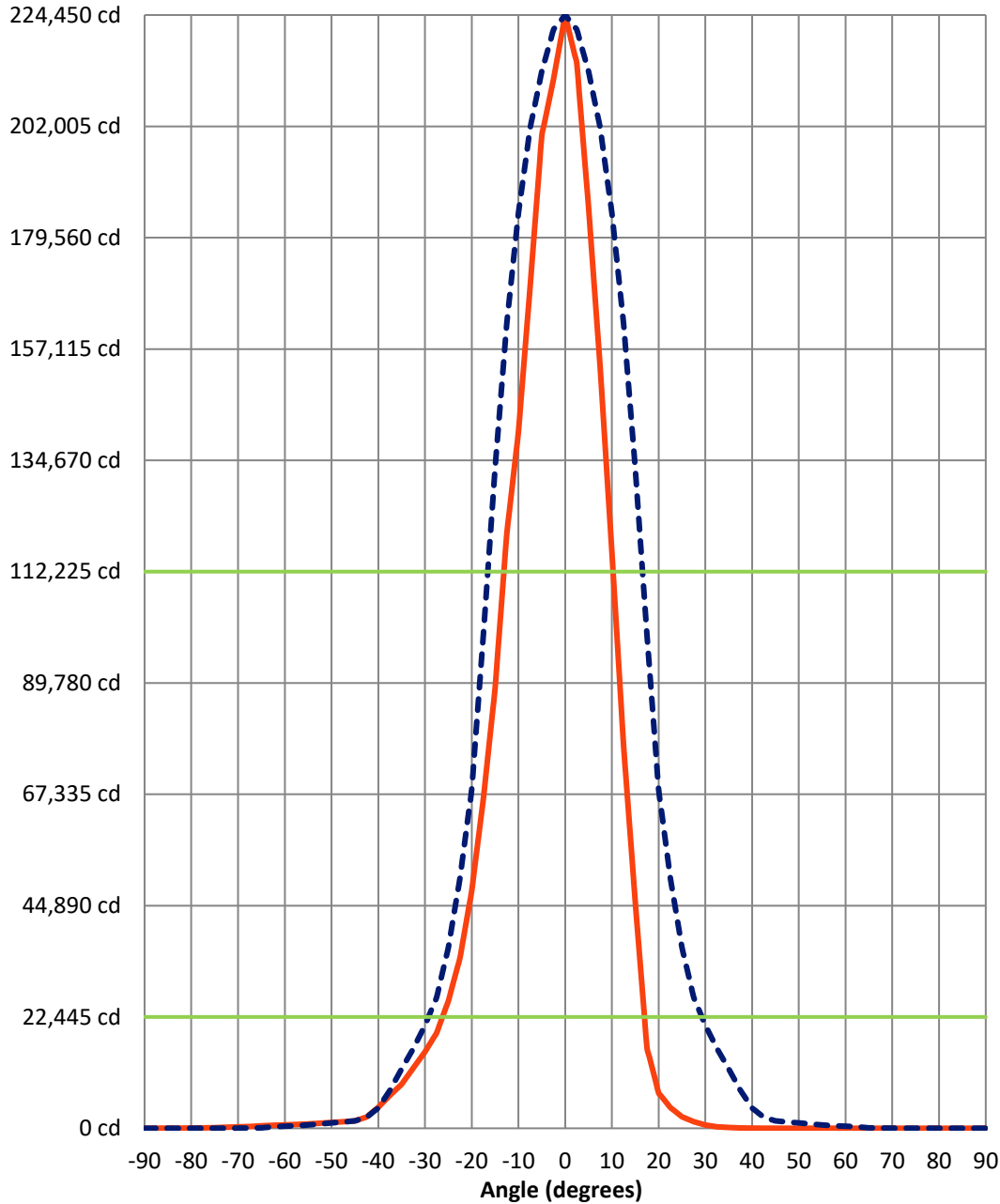
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 33.1°
V Angle: 23.4°
Lumens: 29979
Efficiency: 50.6%

Field:
H Angle: 58.5°
V Angle: 43.2°
Lumens: 51098.7
Efficiency: 86.2%

Spill:
Lumens: 8152.1
Efficiency: 13.8%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.2	9.2	10.2	9.7	9.2	8.7	8.2	8.7	9.2	9.7	10.2
87.5°	8.2	8.3	8.4	8.5	8.5	8.6	8.7	8.7	8.5	8.4	8.2
85°	8.2	8.4	8.5	8.7	8.9	9.1	9.2	9.1	8.9	8.6	8.2
82.5°	8.2	8.5	8.7	9.0	9.2	9.5	9.7	9.6	9.3	8.9	8.8
80°	8.2	8.5	8.9	9.2	9.6	9.9	10.2	9.8	9.6	9.5	9.6
77.5°	8.2	8.6	9.1	9.5	9.9	10.2	10.2	10.0	9.9	10.1	10.2
75°	8.2	8.7	9.2	9.7	10.2	10.2	10.2	10.1	10.2	10.2	10.2
72.5°	8.2	8.8	9.4	10.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2
70°	8.2	8.9	9.6	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
67.5°	8.2	9.0	9.7	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
65°	8.2	9.0	9.9	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
62.5°	8.2	9.1	10.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
60°	8.2	9.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
57.5°	8.2	9.3	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
55°	8.2	9.3	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
52.5°	8.2	9.4	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
50°	8.2	9.5	10.2	10.2	10.2	10.2	10.2	10.3	10.2	10.2	11.1
47.5°	8.2	9.6	10.2	10.2	10.2	10.2	10.2	10.5	10.2	10.2	12.0
45°	8.2	9.6	10.2	10.2	10.2	10.2	10.4	10.7	10.3	10.9	12.8
42.5°	8.2	9.7	10.2	10.2	10.2	10.2	10.6	10.8	10.4	11.4	13.3
40°	8.2	9.7	10.2	10.2	10.2	10.2	10.8	10.9	10.7	11.9	13.8
37.5°	8.2	9.8	10.2	10.2	10.2	10.2	11.1	11.1	11.3	12.6	14.1
35°	8.2	9.8	10.2	10.2	10.2	10.3	11.4	11.2	11.9	13.6	14.5
32.5°	8.2	9.9	10.2	10.2	10.2	10.6	11.6	11.3	12.5	14.7	16.0
30°	8.2	9.9	10.2	10.2	10.2	10.8	11.7	11.5	13.0	16.0	17.7
27.5°	8.2	10.0	10.2	10.2	10.2	11.0	11.9	12.0	13.7	17.4	19.7
25°	8.2	10.0	10.2	10.2	10.2	11.3	12.0	12.4	14.9	19.1	22.0
22.5°	8.2	10.0	10.2	10.2	10.2	11.5	12.1	12.8	16.1	20.8	26.3
20°	8.2	10.1	10.2	10.2	10.2	11.7	12.3	13.2	17.3	22.7	30.9
17.5°	8.2	10.1	10.2	10.2	10.2	11.8	12.4	13.5	18.6	24.7	35.7
15°	8.2	10.1	10.2	10.2	10.2	11.9	12.6	14.2	19.9	26.7	40.6
12.5°	8.2	10.2	10.2	10.2	10.2	12.0	12.9	15.2	21.8	28.7	45.6
10°	8.2	10.2	10.2	10.2	10.2	12.1	13.1	16.2	24.2	32.9	52.1
7.5°	8.2	10.2	10.2	10.2	10.2	12.2	13.4	17.3	26.5	37.5	61.9
5°	8.2	10.2	10.2	10.2	10.2	12.3	13.7	18.4	28.7	42.2	71.7
2.5°	8.2	10.2	10.2	10.2	10.2	12.3	14.0	19.5	30.8	46.8	81.1
0°	8.2	10.2	10.2	10.2	10.2	12.3	14.3	20.5	32.8	51.2	90.1
-2.5°	8.2	10.2	10.2	10.2	10.2	12.5	15.7	23.3	38.6	62.0	106.4
-5°	8.2	10.2	10.2	10.2	10.2	12.7	17.0	26.1	44.1	72.3	121.5
-7.5°	8.2	10.2	10.2	10.2	10.2	12.8	18.1	28.6	49.2	81.7	135.3
-10°	8.2	10.2	10.2	10.2	10.2	13.0	19.2	30.8	53.6	90.0	147.4
-12.5°	8.2	10.2	10.2	10.2	10.2	13.0	20.0	32.7	57.3	97.1	158.1
-15°	8.2	10.1	10.2	10.2	10.2	13.0	20.7	34.3	60.8	104.0	167.0
-17.5°	8.2	10.1	10.2	10.2	10.2	13.0	21.1	35.9	64.1	109.2	173.7
-20°	8.2	10.1	10.2	10.2	10.2	12.9	21.4	37.5	66.1	112.6	177.8



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.2	10.1	10.2	10.2	10.2	12.7	21.9	38.6	66.9	114.1	179.3
-25°	8.2	10.1	10.2	10.2	10.2	12.7	21.9	39.1	66.2	113.5	178.1
-27.5°	8.2	10.0	10.2	10.2	10.2	12.7	21.6	39.0	64.0	111.5	177.0
-30°	8.2	10.0	10.2	10.2	10.2	12.5	20.8	38.3	62.5	108.9	173.2
-32.5°	8.2	10.0	10.2	10.2	10.4	12.2	19.6	37.4	61.6	104.1	166.5
-35°	8.2	9.9	10.2	10.2	10.5	11.7	18.9	35.9	59.8	97.2	156.8
-37.5°	8.2	9.9	10.2	10.2	10.7	11.3	18.2	33.7	57.0	88.0	141.3
-40°	8.2	9.9	10.2	10.2	10.8	11.5	17.3	30.8	53.4	82.1	125.7
-42.5°	8.2	9.9	10.2	10.2	10.9	11.6	16.2	27.3	49.3	75.3	109.0
-45°	8.2	9.8	10.2	10.3	11.0	11.8	14.7	24.1	44.4	67.4	92.5
-47.5°	8.2	9.8	10.2	10.3	11.0	12.0	13.0	22.1	38.5	58.7	82.7
-50°	8.2	9.8	10.2	10.3	11.1	12.1	12.9	19.6	31.1	50.3	72.0
-52.5°	8.2	9.7	10.2	10.4	11.1	12.2	13.1	16.8	26.2	41.2	60.5
-55°	8.2	9.7	10.2	10.4	11.1	12.2	13.2	14.1	22.3	31.7	49.6
-57.5°	8.2	9.7	10.2	10.4	11.0	12.1	13.4	14.3	18.4	26.1	38.1
-60°	8.2	9.6	10.2	10.4	11.0	12.0	13.5	14.4	15.3	21.8	28.5
-62.5°	8.2	9.6	10.2	10.3	10.9	11.8	13.2	14.3	15.1	17.4	23.8
-65°	8.2	9.6	10.2	10.3	10.8	11.7	12.9	14.1	14.7	16.0	19.0
-67.5°	8.2	9.5	10.2	10.3	10.7	11.4	12.6	13.6	14.3	15.2	16.8
-70°	8.2	9.5	10.2	10.2	10.5	11.2	12.2	13.0	13.7	14.3	15.5
-72.5°	8.2	9.5	10.2	10.2	10.4	10.9	11.7	12.5	13.0	13.6	14.1
-75°	8.2	9.4	10.2	10.1	10.2	10.6	11.3	11.8	12.4	12.8	13.3
-77.5°	8.2	9.4	10.2	10.0	10.1	10.3	10.8	11.2	11.7	12.1	12.5
-80°	8.2	9.4	10.2	10.0	9.9	10.0	10.3	10.6	11.0	11.3	11.6
-82.5°	8.2	9.3	10.2	9.9	9.7	9.7	9.8	10.0	10.2	10.5	10.8
-85°	8.2	9.3	10.2	9.8	9.6	9.4	9.2	9.6	9.9	10.1	10.2
-87.5°	8.2	9.2	10.2	9.8	9.4	9.0	8.7	9.1	9.5	9.9	10.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2



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 CATALOG NUMBER: EPH-LS-08-0680R-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	9.7	9.2	8.7	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.7	7.2	6.6
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.9	7.7	7.6
82.5°	8.8	8.7	8.5	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	9.5	9.3	8.8	8.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2
77.5°	9.8	9.3	8.8	8.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2
75°	9.9	9.4	8.9	8.4	8.2	8.2	8.3	8.6	8.9	8.9	8.7
72.5°	9.9	9.4	8.9	8.5	8.6	9.1	9.6	10.0	10.5	10.8	11.1
70°	10.0	9.5	9.3	9.4	9.8	10.4	11.3	12.4	13.5	14.3	15.6
67.5°	10.1	9.8	9.9	10.3	11.0	12.0	13.3	16.0	18.8	20.5	22.1
65°	10.2	10.1	10.5	11.2	12.2	14.8	17.7	21.0	26.1	29.0	30.3
62.5°	10.2	10.4	10.9	12.4	15.3	18.5	22.7	28.3	35.2	39.9	40.1
60°	10.2	10.5	12.2	15.1	18.3	22.3	27.9	35.6	45.6	53.1	48.4
57.5°	10.2	11.4	14.3	17.4	20.9	25.5	32.8	42.5	52.1	62.1	53.3
55°	10.7	13.0	15.9	19.1	23.1	28.0	35.6	43.9	54.3	57.3	47.3
52.5°	12.1	14.4	16.9	20.4	24.8	29.2	33.9	41.1	44.4	45.1	37.5
50°	13.3	15.1	17.4	21.2	25.5	28.6	29.7	33.9	34.2	31.0	26.9
47.5°	14.1	15.8	17.6	21.6	25.5	27.4	26.9	25.9	23.7	21.9	17.1
45°	14.6	16.4	18.1	22.1	25.3	26.0	23.7	18.7	19.5	17.4	16.1
42.5°	15.1	17.0	19.7	22.8	24.9	24.7	21.3	19.7	18.4	18.0	17.5
40°	15.6	17.5	21.6	24.4	24.9	24.1	24.3	23.2	20.0	21.3	21.4
37.5°	16.1	19.5	24.4	28.5	25.7	27.1	29.0	29.5	27.8	27.1	29.9
35°	16.5	21.7	29.8	34.4	31.8	32.8	36.7	38.3	38.7	38.6	40.7
32.5°	17.9	24.0	37.1	41.5	42.8	43.4	46.1	50.1	54.5	56.5	54.0
30°	20.8	30.7	45.4	50.1	55.5	63.2	61.4	64.4	74.5	78.6	82.3
27.5°	25.5	39.4	53.7	61.8	71.4	88.7	95.0	88.6	97.2	105.4	117.7
25°	30.8	61.5	63.0	75.1	96.5	122.7	139.4	146.6	127.6	141.7	174.7
22.5°	42.7	90.4	96.2	89.3	125.5	164.2	197.2	214.9	212.6	198.8	243.3
20°	63.8	119.6	135.1	138.0	165.7	211.9	263.3	293.4	321.8	371.3	501.4
17.5°	88.5	152.0	176.4	201.2	251.4	292.4	336.4	381.1	448.4	595.8	1037.1
15°	115.9	186.9	219.6	269.8	344.5	413.3	466.9	506.9	626.0	934.7	1715.1
12.5°	145.2	223.7	264.1	342.5	442.7	540.3	616.4	697.0	897.3	1504.4	2793.2
10°	175.2	261.5	309.5	417.6	544.1	671.4	770.0	891.4	1204.5	2149.3	3969.9
7.5°	208.6	302.0	355.7	493.5	646.7	804.2	925.7	1087.3	1517.9	2801.0	5153.9
5°	241.0	344.3	404.9	559.0	733.1	920.9	1071.1	1280.9	1828.0	3432.7	6304.5
2.5°	270.8	385.2	453.1	618.9	805.7	1009.6	1170.3	1396.8	2042.7	3847.7	7151.5
0°	297.0	423.9	499.7	673.8	872.5	1091.6	1263.6	1503.3	2216.0	4098.1	7657.7
-2.5°	307.0	438.8	518.8	687.7	881.8	1105.5	1280.8	1512.5	2269.2	4199.7	7732.2
-5°	312.7	450.3	535.6	696.8	885.0	1110.9	1290.9	1512.4	2255.9	4111.8	7368.7
-7.5°	314.5	458.0	549.9	697.9	868.3	1075.3	1240.4	1433.0	2078.1	3748.2	6585.1
-10°	312.7	456.9	545.6	672.2	824.9	1012.6	1172.8	1346.3	1873.1	3292.2	5713.7
-12.5°	306.9	448.5	537.4	645.0	780.0	945.3	1101.8	1253.9	1645.4	2749.4	4816.2
-15°	299.2	438.6	528.9	617.4	734.8	874.6	1028.5	1156.8	1408.5	2170.3	3925.3
-17.5°	290.1	427.7	520.4	590.2	690.6	801.4	956.8	1075.9	1233.8	1801.1	3208.5
-20°	280.0	416.0	512.4	564.4	649.3	745.9	887.9	1008.8	1142.3	1510.1	2439.9



REPORT NUMBER: P701737 (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°	269.5	404.1	500.7	550.1	622.2	707.6	818.5	937.9	1049.5	1188.8	1787.3
-25°	264.2	386.7	483.3	540.3	597.0	670.5	751.4	863.4	963.1	1097.0	1442.3
-27.5°	261.7	370.3	462.7	529.3	572.3	636.6	703.6	790.1	904.1	1022.5	1147.7
-30°	255.5	346.0	441.6	514.1	556.6	608.9	665.1	738.5	847.6	956.8	1067.4
-32.5°	240.5	320.2	414.4	489.6	542.3	582.9	637.5	704.8	792.4	892.7	992.0
-35°	221.1	297.6	383.6	465.2	525.8	565.3	614.9	672.8	741.3	831.2	937.4
-37.5°	201.8	272.5	351.5	436.0	499.4	551.4	591.0	643.5	703.0	774.3	878.8
-40°	180.1	244.9	320.5	399.8	474.0	531.1	575.2	614.9	666.4	736.4	811.1
-42.5°	156.9	218.6	287.8	362.1	436.0	501.3	557.2	594.7	638.4	699.0	767.2
-45°	137.2	189.8	253.2	321.6	391.1	463.1	522.6	577.1	617.0	663.0	723.7
-47.5°	116.4	161.0	218.6	278.5	343.9	411.5	480.9	538.7	594.9	637.0	679.9
-50°	97.0	136.8	181.1	236.7	294.5	357.3	422.0	490.6	549.6	603.9	650.7
-52.5°	83.8	111.6	150.6	194.5	246.5	301.1	361.7	424.6	489.5	551.2	599.8
-55°	69.5	93.1	120.8	157.9	199.7	247.8	299.9	357.7	415.0	475.4	531.0
-57.5°	55.8	76.0	97.5	123.7	158.8	196.4	242.5	290.6	343.0	394.7	438.9
-60°	42.2	59.7	78.9	98.4	120.0	152.8	186.2	226.8	271.3	314.3	353.1
-62.5°	29.7	44.1	60.8	78.2	95.7	112.8	139.5	169.8	200.2	236.6	270.5
-65°	24.7	30.8	43.0	58.4	74.2	90.0	105.3	120.3	145.5	171.1	194.9
-67.5°	19.6	25.0	30.7	38.3	52.2	66.3	80.9	94.6	107.9	120.8	135.8
-70°	17.3	19.6	24.0	29.2	34.4	41.5	53.8	66.5	79.7	92.9	104.3
-72.5°	15.7	17.8	19.8	21.9	26.1	30.6	34.9	39.2	47.4	58.7	70.2
-75°	14.3	15.9	17.8	19.7	21.5	23.3	25.6	29.3	33.1	37.0	40.9
-77.5°	13.1	14.1	15.5	17.3	18.9	20.3	21.8	23.5	25.2	27.1	29.1
-80°	12.0	12.3	13.0	14.0	15.3	16.7	18.0	19.3	20.5	21.8	23.2
-82.5°	11.0	11.2	11.5	11.7	12.3	13.0	13.9	15.0	15.7	16.4	17.2
-85°	10.2	10.2	10.4	10.5	10.8	11.1	11.5	11.9	12.1	12.4	12.6
-87.5°	9.9	9.7	9.5	9.3	9.4	9.5	9.6	9.6	9.7	9.7	9.8
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	7.7	7.2	6.6



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	8.2	9.2	10.2	11.3	12.3	13.3	14.3	15.4	16.4	17.4	18.4
87.5°	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.6	4.1	3.6	3.1
85°	7.4	7.2	6.9	6.5	6.1	5.6	5.1	4.6	4.1	3.6	3.1
82.5°	8.2	7.7	7.2	6.7	6.1	5.6	5.1	4.6	4.1	3.6	3.1
80°	8.2	7.8	7.2	6.7	6.2	5.7	5.2	4.7	4.1	3.6	3.1
77.5°	8.2	7.8	7.3	6.7	6.2	5.7	5.2	4.7	4.2	4.0	4.0
75°	8.4	8.0	7.9	7.7	7.2	6.9	6.5	6.2	5.8	5.5	5.1
72.5°	11.3	11.3	11.0	10.7	10.1	9.6	9.2	8.6	7.9	7.4	7.0
70°	16.8	17.5	16.9	15.8	14.0	12.5	11.7	10.9	10.0	9.2	8.3
67.5°	23.4	23.3	21.7	19.5	16.6	14.0	12.9	11.8	10.7	10.1	10.0
65°	30.2	28.2	25.3	21.9	17.9	14.1	13.0	11.9	10.8	10.2	10.2
62.5°	37.8	31.6	25.4	21.0	17.3	14.1	12.6	11.2	9.8	8.8	8.6
60°	40.7	30.2	21.8	18.1	15.1	12.6	11.1	9.8	8.8	8.2	8.2
57.5°	39.4	26.9	17.5	14.5	12.3	10.7	9.6	8.6	7.7	6.8	6.6
55°	33.6	22.0	13.2	11.3	10.1	9.0	8.0	7.4	6.8	6.1	6.1
52.5°	24.7	16.8	11.8	9.9	9.3	8.7	8.1	7.9	7.7	7.5	7.3
50°	18.1	13.0	11.2	10.0	9.7	9.6	9.9	9.9	9.8	9.5	9.2
47.5°	14.7	12.7	11.5	10.3	10.6	11.5	12.0	12.0	11.8	11.6	11.3
45°	14.2	13.1	12.5	13.1	13.8	14.4	14.4	14.0	14.7	14.9	14.6
42.5°	15.7	15.8	17.0	18.0	17.3	18.5	19.7	19.7	20.7	21.4	21.4
40°	22.0	21.5	24.7	25.6	26.1	27.3	30.8	30.4	32.0	36.3	37.1
37.5°	31.7	33.4	35.5	37.5	43.0	46.5	53.3	58.8	61.7	69.9	76.3
35°	44.6	49.1	50.3	61.2	72.4	82.9	92.4	104.0	108.9	127.2	139.8
32.5°	63.2	72.4	84.8	102.8	124.0	149.2	148.1	186.5	200.4	237.9	280.9
30°	88.4	114.2	155.1	183.4	235.6	276.5	297.2	357.2	437.7	514.7	619.4
27.5°	143.8	198.0	272.0	369.6	420.4	482.2	575.5	647.2	831.0	1006.6	1135.6
25°	247.3	361.0	500.6	644.7	735.0	816.0	986.6	1111.8	1372.5	1568.2	1847.4
22.5°	472.9	715.7	892.4	999.5	1193.2	1446.5	1569.5	1913.8	2300.3	2793.8	3201.6
20°	796.8	1178.9	1572.9	1813.5	2034.7	2593.8	2838.8	3483.8	4305.4	5234.0	6008.1
17.5°	1559.1	1908.3	2710.2	3491.7	4079.6	4631.6	6181.1	7288.0	9436.2	12065.5	13278.2
15°	2797.7	3773.6	4709.4	6126.9	7627.0	9295.9	11727.4	15925.4	21198.0	26947.5	33166.3
12.5°	4535.5	6316.9	7991.0	9775.3	11922.8	16023.7	21567.5	28899.4	38373.3	48538.0	60274.5
10°	6487.7	9198.9	11644.2	14338.0	18151.2	24243.5	32460.7	43771.3	60642.8	77888.7	92847.9
7.5°	8236.1	11519.6	14836.4	18735.5	24779.8	33481.1	45303.2	62963.1	84995.7	106337.7	124535.1
5°	9911.4	13747.3	17527.7	22175.1	29792.9	41148.8	56448.7	80676.3	108529.4	132209.9	152153.4
2.5°	11216.8	15490.4	19816.6	25282.3	33973.6	46894.1	64271.8	93596.0	127213.4	153476.2	176280.4
0°	11964.7	16062.9	20759.0	26421.9	36422.5	50496.7	68318.9	99543.5	133022.9	162208.7	184494.5
-2.5°	11818.3	16112.6	20913.7	26642.4	36121.4	49633.9	67202.7	96988.6	130310.9	156621.7	178216.2
-5°	11072.2	15001.1	19234.0	24260.0	32624.1	44936.6	62186.6	90177.4	121102.4	147419.3	169366.9
-7.5°	9908.7	13383.1	17067.9	21442.5	28516.3	39229.9	54057.4	75851.7	103251.4	127086.3	143536.4
-10°	8638.9	11696.0	15021.3	18980.2	24559.4	32958.2	44192.9	59936.5	82346.1	102207.1	117465.8
-12.5°	7435.0	10214.2	13106.8	16412.6	20635.5	27250.7	35789.3	47543.2	61988.9	78314.9	93900.8
-15°	6280.3	8720.9	11245.1	14305.1	17977.6	22465.8	28206.0	36114.2	45604.9	56305.3	67848.3
-17.5°	5181.2	7324.1	9699.1	12370.9	15405.7	18834.7	23648.9	29071.8	35096.9	42068.9	48679.0
-20°	4064.8	6044.9	8199.9	10578.6	13301.4	16427.3	19852.8	23926.3	28285.3	33048.9	37993.7



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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°	3102.3	4789.6	6675.1	8840.7	11397.0	14152.4	16809.5	19483.2	22708.1	25849.7	29005.0
-25°	2172.4	3510.5	5271.0	7341.1	9511.6	11814.6	13786.7	15671.2	17910.8	19924.9	22022.3
-27.5°	1597.8	2517.0	3973.0	5809.0	7755.6	9335.2	10995.5	12541.3	14163.0	15441.3	16918.7
-30°	1218.4	1747.7	2829.5	4261.7	5823.5	7199.9	8481.2	9881.1	11214.5	12324.3	13253.1
-32.5°	1111.2	1312.9	1860.5	2858.1	3987.1	5208.5	6317.1	7535.5	8654.0	9577.1	10316.5
-35°	1044.3	1153.7	1313.4	1816.9	2478.9	3443.1	4368.2	5366.1	6293.2	7054.7	7667.0
-37.5°	987.2	1083.2	1177.4	1272.0	1636.7	2043.3	2711.0	3433.3	4059.6	4755.9	5299.5
-40°	916.3	1024.0	1100.2	1178.0	1265.6	1367.3	1719.6	2036.0	2390.0	2881.7	3288.7
-42.5°	838.5	929.5	1024.3	1100.5	1168.0	1239.8	1319.7	1398.7	1561.6	1768.2	1936.5
-45°	787.5	847.4	916.3	1002.8	1081.7	1141.6	1200.9	1258.4	1312.7	1361.6	1402.6
-47.5°	732.5	783.4	839.3	898.7	957.1	1023.6	1086.0	1138.1	1179.4	1218.8	1254.0
-50°	683.6	721.2	768.4	814.5	860.5	907.7	954.3	994.6	1034.4	1070.3	1105.4
-52.5°	643.9	675.6	706.7	737.6	775.0	811.4	845.8	876.8	905.1	929.6	955.5
-55°	577.3	617.2	656.8	684.4	708.0	730.8	753.5	779.1	801.5	820.8	838.9
-57.5°	486.7	535.1	579.2	611.5	642.0	670.8	690.8	705.5	719.7	733.2	745.6
-60°	390.6	426.8	469.1	510.6	548.7	583.4	605.7	624.7	640.8	654.3	666.2
-62.5°	301.9	332.9	367.4	400.8	431.6	462.1	491.8	517.6	539.8	558.5	574.0
-65°	219.9	247.0	276.3	304.7	331.8	358.6	383.2	405.6	425.8	443.9	460.6
-67.5°	156.5	176.4	197.7	216.9	238.5	262.0	285.2	305.9	324.3	338.9	349.8
-70°	115.1	126.4	140.4	156.9	174.8	191.6	208.3	224.3	239.5	252.7	264.4
-72.5°	81.8	93.5	104.6	115.0	126.1	137.1	148.4	160.2	172.3	182.3	191.1
-75°	44.8	50.7	60.1	69.2	78.1	86.6	94.1	100.7	106.5	111.3	115.4
-77.5°	31.8	35.6	39.6	43.4	47.1	51.5	56.2	60.9	65.6	69.3	72.8
-80°	24.6	26.7	29.0	31.5	34.0	37.1	40.3	43.5	46.7	49.0	51.1
-82.5°	18.0	19.6	21.2	22.7	24.2	26.2	28.1	30.0	31.9	33.2	34.4
-85°	12.8	13.8	14.9	16.1	17.2	19.0	20.7	22.4	24.1	25.3	26.4
-87.5°	9.8	10.5	11.1	11.7	12.3	13.8	15.3	16.8	18.3	18.9	19.4
-90°	6.1	6.1	6.1	6.1	6.1	5.6	5.1	4.6	4.1	3.6	3.1



REPORT NUMBER: P701737 (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°	19.5	20.5	20.5	20.5	20.5	20.5	19.5	18.4	17.4	16.4	15.4
87.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.6
85°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.6
82.5°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.6
80°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.1	3.6	4.1	4.7
77.5°	4.0	4.1	3.1	2.0	3.1	4.1	4.0	4.0	4.0	4.2	4.7
75°	4.6	4.1	3.1	2.0	3.1	4.1	4.6	5.1	5.5	5.8	6.2
72.5°	6.6	6.1	6.1	6.1	6.1	6.1	6.6	7.0	7.4	7.9	8.6
70°	7.3	6.2	6.1	6.1	6.1	6.2	7.3	8.3	9.2	10.0	10.9
67.5°	10.0	10.1	10.2	10.2	10.2	10.1	10.0	10.0	10.1	10.7	11.8
65°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.8	11.9
62.5°	8.4	8.3	8.2	8.2	8.2	8.3	8.4	8.6	8.8	9.8	11.2
60°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.8	9.8
57.5°	6.4	6.2	6.1	6.1	6.1	6.2	6.4	6.6	6.8	7.7	8.6
55°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.8	7.4
52.5°	6.9	6.4	6.1	6.1	6.1	6.4	6.9	7.3	7.5	7.7	7.9
50°	8.8	8.4	8.2	8.2	8.2	8.4	8.8	9.2	9.5	9.8	9.9
47.5°	10.9	10.4	10.2	10.2	10.2	10.4	10.9	11.3	11.6	11.8	12.0
45°	13.9	12.9	12.3	12.3	12.3	12.9	13.9	14.6	14.9	14.7	14.0
42.5°	21.2	20.7	20.3	20.5	20.3	20.7	21.2	21.4	21.4	20.7	19.7
40°	38.9	40.0	40.5	41.0	40.5	40.0	38.9	37.1	36.3	32.0	30.4
37.5°	79.8	78.3	74.8	75.8	74.8	78.3	79.8	76.3	69.9	61.7	58.8
35°	148.2	157.1	163.3	167.9	163.3	157.1	148.2	139.8	127.2	108.9	104.0
32.5°	296.8	309.0	305.5	299.0	305.5	309.0	296.8	280.9	237.9	200.4	186.5
30°	681.3	716.9	707.4	665.6	707.4	716.9	681.3	619.4	514.7	437.7	357.2
27.5°	1228.2	1314.2	1370.2	1341.5	1370.2	1314.2	1228.2	1135.6	1006.6	831.0	647.2
25°	2088.2	2255.1	2374.5	2324.5	2374.5	2255.1	2088.2	1847.4	1568.2	1372.5	1111.8
22.5°	3713.0	3987.0	4149.8	4192.4	4149.8	3987.0	3713.0	3201.6	2793.8	2300.3	1913.8
20°	6981.8	7200.3	7243.6	7135.4	7243.6	7200.3	6981.8	6008.1	5234.0	4305.4	3483.8
17.5°	16799.0	17808.0	17068.4	16292.2	17068.4	17808.0	16799.0	13278.2	12065.5	9436.2	7288.0
15°	38428.6	42689.5	45116.9	45612.1	45116.9	42689.5	38428.6	33166.3	26947.5	21198.0	15925.4
12.5°	67713.4	74580.1	77413.8	77149.1	77413.8	74580.1	67713.4	60274.5	48538.0	38373.3	28899.4
10°	102443.6	109784.9	116101.5	116165.4	116101.5	109784.9	102443.6	92847.9	77888.7	60642.8	43771.3
7.5°	137165.7	145632.2	151574.7	153270.0	151574.7	145632.2	137165.7	124535.1	106337.7	84995.7	62963.1
5°	167562.8	178044.7	183944.3	185745.9	183944.3	178044.7	167562.8	152153.4	132209.9	108529.4	80676.3
2.5°	194287.9	207128.7	213599.1	214605.0	213599.1	207128.7	194287.9	176280.4	153476.2	127213.4	93596.0
0°	201640.9	213087.4	221467.0	224450.0	221467.0	213087.4	201640.9	184494.5	162208.7	133022.9	99543.5
-2.5°	194391.9	204406.3	209400.6	211483.7	209400.6	204406.3	194391.9	178216.2	156621.7	130310.9	96988.6
-5°	182933.5	192279.4	198639.9	200113.0	198639.9	192279.4	182933.5	169366.9	147419.3	121102.4	90177.4
-7.5°	154386.0	163585.0	166442.9	169683.0	166442.9	163585.0	154386.0	143536.4	127086.3	103251.4	75851.7
-10°	128992.5	136148.7	138116.8	140412.3	138116.8	136148.7	128992.5	117465.8	102207.1	82346.1	59936.5
-12.5°	106730.3	113818.6	117027.6	119774.1	117027.6	113818.6	106730.3	93900.8	78314.9	61988.9	47543.2
-15°	78194.4	84856.6	87157.9	88643.7	87157.9	84856.6	78194.4	67848.3	56305.3	45604.9	36114.2
-17.5°	56642.6	61716.5	64731.7	66479.7	64731.7	61716.5	56642.6	48679.0	42068.9	35096.9	29071.8
-20°	42340.2	45247.9	47583.6	47840.4	47583.6	45247.9	42340.2	37993.7	33048.9	28285.3	23926.3



REPORT NUMBER: P701737 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	31648.6	33380.5	34455.7	34390.9	34455.7	33380.5	31648.6	29005.0	25849.7	22708.1	19483.2
-25°	23621.9	24786.3	25526.9	25660.0	25526.9	24786.3	23621.9	22022.3	19924.9	17910.8	15671.2
-27.5°	17976.3	18796.1	19220.8	19243.5	19220.8	18796.1	17976.3	16918.7	15441.3	14163.0	12541.3
-30°	13927.2	14610.0	15062.9	15409.5	15062.9	14610.0	13927.2	13253.1	12324.3	11214.5	9881.1
-32.5°	10937.9	11520.7	11915.8	12151.1	11915.8	11520.7	10937.9	10316.5	9577.1	8654.0	7535.5
-35°	8200.1	8666.9	8946.2	8876.3	8946.2	8666.9	8200.1	7667.0	7054.7	6293.2	5366.1
-37.5°	5778.2	6173.9	6455.5	6633.6	6455.5	6173.9	5778.2	5299.5	4755.9	4059.6	3433.3
-40°	3640.9	3914.6	4109.3	4233.3	4109.3	3914.6	3640.9	3288.7	2881.7	2390.0	2036.0
-42.5°	2073.5	2175.9	2244.8	2281.5	2244.8	2175.9	2073.5	1936.5	1768.2	1561.6	1398.7
-45°	1434.1	1459.7	1478.1	1488.9	1478.1	1459.7	1434.1	1402.6	1361.6	1312.7	1258.4
-47.5°	1281.6	1302.5	1316.1	1323.0	1316.1	1302.5	1281.6	1254.0	1218.8	1179.4	1138.1
-50°	1136.9	1162.6	1178.1	1183.8	1178.1	1162.6	1136.9	1105.4	1070.3	1034.4	994.6
-52.5°	979.7	1000.5	1014.5	1022.0	1014.5	1000.5	979.7	955.5	929.6	905.1	876.8
-55°	854.8	868.1	875.0	876.6	875.0	868.1	854.8	838.9	820.8	801.5	779.1
-57.5°	756.1	764.6	771.4	776.2	771.4	764.6	756.1	745.6	733.2	719.7	705.5
-60°	675.8	683.2	687.0	688.1	687.0	683.2	675.8	666.2	654.3	640.8	624.7
-62.5°	586.0	594.8	601.6	606.2	601.6	594.8	586.0	574.0	558.5	539.8	517.6
-65°	475.8	489.1	496.1	499.7	496.1	489.1	475.8	460.6	443.9	425.8	405.6
-67.5°	358.5	365.3	367.0	366.6	367.0	365.3	358.5	349.8	338.9	324.3	305.9
-70°	275.4	285.4	289.1	290.8	289.1	285.4	275.4	264.4	252.7	239.5	224.3
-72.5°	199.1	206.1	210.3	213.0	210.3	206.1	199.1	191.1	182.3	172.3	160.2
-75°	118.9	121.8	123.6	124.9	123.6	121.8	118.9	115.4	111.3	106.5	100.7
-77.5°	76.1	79.3	80.8	81.9	80.8	79.3	76.1	72.8	69.3	65.6	60.9
-80°	53.1	55.0	55.2	55.3	55.2	55.0	53.1	51.1	49.0	46.7	43.5
-82.5°	35.6	36.8	36.9	36.9	36.9	36.8	35.6	34.4	33.2	31.9	30.0
-85°	27.5	28.6	28.7	28.7	28.7	28.6	27.5	26.4	25.3	24.1	22.4
-87.5°	20.0	20.5	21.5	22.5	21.5	20.5	20.0	19.4	18.9	18.3	16.8
-90°	2.5	2.0	1.0	0.0	1.0	2.0	2.5	3.1	3.6	4.1	4.6



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	14.3	13.3	12.3	11.3	10.2	9.2	8.2	8.2	8.2	8.2	8.2
87.5°	5.1	5.6	6.1	6.1	6.1	6.1	6.1	6.6	7.2	7.7	8.2
85°	5.1	5.6	6.1	6.5	6.9	7.2	7.4	7.6	7.7	7.9	8.2
82.5°	5.1	5.6	6.1	6.7	7.2	7.7	8.2	8.2	8.2	8.2	8.2
80°	5.2	5.7	6.2	6.7	7.2	7.8	8.2	8.2	8.2	8.2	8.2
77.5°	5.2	5.7	6.2	6.7	7.3	7.8	8.2	8.2	8.2	8.2	8.2
75°	6.5	6.9	7.2	7.7	7.9	8.0	8.4	8.7	8.9	8.9	8.6
72.5°	9.2	9.6	10.1	10.7	11.0	11.3	11.3	11.1	10.8	10.5	10.0
70°	11.7	12.5	14.0	15.8	16.9	17.5	16.8	15.6	14.3	13.5	12.4
67.5°	12.9	14.0	16.6	19.5	21.7	23.3	23.4	22.1	20.5	18.8	16.0
65°	13.0	14.1	17.9	21.9	25.3	28.2	30.2	30.3	29.0	26.1	21.0
62.5°	12.6	14.1	17.3	21.0	25.4	31.6	37.8	40.1	39.9	35.2	28.3
60°	11.1	12.6	15.1	18.1	21.8	30.2	40.7	48.4	53.1	45.6	35.6
57.5°	9.6	10.7	12.3	14.5	17.5	26.9	39.4	53.3	62.1	52.1	42.5
55°	8.0	9.0	10.1	11.3	13.2	22.0	33.6	47.3	57.3	54.3	43.9
52.5°	8.1	8.7	9.3	9.9	11.8	16.8	24.7	37.5	45.1	44.4	41.1
50°	9.9	9.6	9.7	10.0	11.2	13.0	18.1	26.9	31.0	34.2	33.9
47.5°	12.0	11.5	10.6	10.3	11.5	12.7	14.7	17.1	21.9	23.7	25.9
45°	14.4	14.4	13.8	13.1	12.5	13.1	14.2	16.1	17.4	19.5	18.7
42.5°	19.7	18.5	17.3	18.0	17.0	15.8	15.7	17.5	18.0	18.4	19.7
40°	30.8	27.3	26.1	25.6	24.7	21.5	22.0	21.4	21.3	20.0	23.2
37.5°	53.3	46.5	43.0	37.5	35.5	33.4	31.7	29.9	27.1	27.8	29.5
35°	92.4	82.9	72.4	61.2	50.3	49.1	44.6	40.7	38.6	38.7	38.3
32.5°	148.1	149.2	124.0	102.8	84.8	72.4	63.2	54.0	56.5	54.5	50.1
30°	297.2	276.5	235.6	183.4	155.1	114.2	88.4	82.3	78.6	74.5	64.4
27.5°	575.5	482.2	420.4	369.6	272.0	198.0	143.8	117.7	105.4	97.2	88.6
25°	986.6	816.0	735.0	644.7	500.6	361.0	247.3	174.7	141.7	127.6	146.6
22.5°	1569.5	1446.5	1193.2	999.5	892.4	715.7	472.9	243.3	198.8	212.6	214.9
20°	2838.8	2593.8	2034.7	1813.5	1572.9	1178.9	796.8	501.4	371.3	321.8	293.4
17.5°	6181.1	4631.6	4079.6	3491.7	2710.2	1908.3	1559.1	1037.1	595.8	448.4	381.1
15°	11727.4	9295.9	7627.0	6126.9	4709.4	3773.6	2797.7	1715.1	934.7	626.0	506.9
12.5°	21567.5	16023.7	11922.8	9775.3	7991.0	6316.9	4535.5	2793.2	1504.4	897.3	697.0
10°	32460.7	24243.5	18151.2	14338.0	11644.2	9198.9	6487.7	3969.9	2149.3	1204.5	891.4
7.5°	45303.2	33481.1	24779.8	18735.5	14836.4	11519.6	8236.1	5153.9	2801.0	1517.9	1087.3
5°	56448.7	41148.8	29792.9	22175.1	17527.7	13747.3	9911.4	6304.5	3432.7	1828.0	1280.9
2.5°	64271.8	46894.1	33973.6	25282.3	19816.6	15490.4	11216.8	7151.5	3847.7	2042.7	1396.8
0°	68318.9	50496.7	36422.5	26421.9	20759.0	16062.9	11964.7	7657.7	4098.1	2216.0	1503.3
-2.5°	67202.7	49633.9	36121.4	26642.4	20913.7	16112.6	11818.3	7732.2	4199.7	2269.2	1512.5
-5°	62186.6	44936.6	32624.1	24260.0	19234.0	15001.1	11072.2	7368.7	4111.8	2255.9	1512.4
-7.5°	54057.4	39229.9	28516.3	21442.5	17067.9	13383.1	9908.7	6585.1	3748.2	2078.1	1433.0
-10°	44192.9	32958.2	24559.4	18980.2	15021.3	11696.0	8638.9	5713.7	3292.2	1873.1	1346.3
-12.5°	35789.3	27250.7	20635.5	16412.6	13106.8	10214.2	7435.0	4816.2	2749.4	1645.4	1253.9
-15°	28206.0	22465.8	17977.6	14305.1	11245.1	8720.9	6280.3	3925.3	2170.3	1408.5	1156.8
-17.5°	23648.9	18834.7	15405.7	12370.9	9699.1	7324.1	5181.2	3208.5	1801.1	1233.8	1075.9
-20°	19852.8	16427.3	13301.4	10578.6	8199.9	6044.9	4064.8	2439.9	1510.1	1142.3	1008.8



REPORT NUMBER: P701737 (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°	16809.5	14152.4	11397.0	8840.7	6675.1	4789.6	3102.3	1787.3	1188.8	1049.5	937.9
-25°	13786.7	11814.6	9511.6	7341.1	5271.0	3510.5	2172.4	1442.3	1097.0	963.1	863.4
-27.5°	10995.5	9335.2	7755.6	5809.0	3973.0	2517.0	1597.8	1147.7	1022.5	904.1	790.1
-30°	8481.2	7199.9	5823.5	4261.7	2829.5	1747.7	1218.4	1067.4	956.8	847.6	738.5
-32.5°	6317.1	5208.5	3987.1	2858.1	1860.5	1312.9	1111.2	992.0	892.7	792.4	704.8
-35°	4368.2	3443.1	2478.9	1816.9	1313.4	1153.7	1044.3	937.4	831.2	741.3	672.8
-37.5°	2711.0	2043.3	1636.7	1272.0	1177.4	1083.2	987.2	878.8	774.3	703.0	643.5
-40°	1719.6	1367.3	1265.6	1178.0	1100.2	1024.0	916.3	811.1	736.4	666.4	614.9
-42.5°	1319.7	1239.8	1168.0	1100.5	1024.3	929.5	838.5	767.2	699.0	638.4	594.7
-45°	1200.9	1141.6	1081.7	1002.8	916.3	847.4	787.5	723.7	663.0	617.0	577.1
-47.5°	1086.0	1023.6	957.1	898.7	839.3	783.4	732.5	679.9	637.0	594.9	538.7
-50°	954.3	907.7	860.5	814.5	768.4	721.2	683.6	650.7	603.9	549.6	490.6
-52.5°	845.8	811.4	775.0	737.6	706.7	675.6	643.9	599.8	551.2	489.5	424.6
-55°	753.5	730.8	708.0	684.4	656.8	617.2	577.3	531.0	475.4	415.0	357.7
-57.5°	690.8	670.8	642.0	611.5	579.2	535.1	486.7	438.9	394.7	343.0	290.6
-60°	605.7	583.4	548.7	510.6	469.1	426.8	390.6	353.1	314.3	271.3	226.8
-62.5°	491.8	462.1	431.6	400.8	367.4	332.9	301.9	270.5	236.6	200.2	169.8
-65°	383.2	358.6	331.8	304.7	276.3	247.0	219.9	194.9	171.1	145.5	120.3
-67.5°	285.2	262.0	238.5	216.9	197.7	176.4	156.5	135.8	120.8	107.9	94.6
-70°	208.3	191.6	174.8	156.9	140.4	126.4	115.1	104.3	92.9	79.7	66.5
-72.5°	148.4	137.1	126.1	115.0	104.6	93.5	81.8	70.2	58.7	47.4	39.2
-75°	94.1	86.6	78.1	69.2	60.1	50.7	44.8	40.9	37.0	33.1	29.3
-77.5°	56.2	51.5	47.1	43.4	39.6	35.6	31.8	29.1	27.1	25.2	23.5
-80°	40.3	37.1	34.0	31.5	29.0	26.7	24.6	23.2	21.8	20.5	19.3
-82.5°	28.1	26.2	24.2	22.7	21.2	19.6	18.0	17.2	16.4	15.7	15.0
-85°	20.7	19.0	17.2	16.1	14.9	13.8	12.8	12.6	12.4	12.1	11.9
-87.5°	15.3	13.8	12.3	11.7	11.1	10.5	9.8	9.8	9.7	9.7	9.6
-90°	5.1	5.6	6.1	6.1	6.1	6.1	6.1	6.6	7.2	7.7	8.2



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	8.2	8.2	8.2	8.2	8.7	9.2	9.7	10.2	9.7	9.2	8.7
87.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.4	8.5	8.7
85°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.6	8.9	9.1
82.5°	8.2	8.2	8.2	8.2	8.5	8.7	8.8	8.8	8.9	9.3	9.6
80°	8.2	8.2	8.2	8.3	8.8	9.3	9.5	9.6	9.5	9.6	9.8
77.5°	8.2	8.2	8.2	8.3	8.8	9.3	9.8	10.2	10.1	9.9	10.0
75°	8.3	8.2	8.2	8.4	8.9	9.4	9.9	10.2	10.2	10.2	10.1
72.5°	9.6	9.1	8.6	8.5	8.9	9.4	9.9	10.2	10.2	10.2	10.2
70°	11.3	10.4	9.8	9.4	9.3	9.5	10.0	10.2	10.2	10.2	10.2
67.5°	13.3	12.0	11.0	10.3	9.9	9.8	10.1	10.2	10.2	10.2	10.2
65°	17.7	14.8	12.2	11.2	10.5	10.1	10.2	10.2	10.2	10.2	10.2
62.5°	22.7	18.5	15.3	12.4	10.9	10.4	10.2	10.2	10.2	10.2	10.2
60°	27.9	22.3	18.3	15.1	12.2	10.5	10.2	10.2	10.2	10.2	10.2
57.5°	32.8	25.5	20.9	17.4	14.3	11.4	10.2	10.2	10.2	10.2	10.2
55°	35.6	28.0	23.1	19.1	15.9	13.0	10.7	10.2	10.2	10.2	10.2
52.5°	33.9	29.2	24.8	20.4	16.9	14.4	12.1	10.2	10.2	10.2	10.2
50°	29.7	28.6	25.5	21.2	17.4	15.1	13.3	11.1	10.2	10.2	10.3
47.5°	26.9	27.4	25.5	21.6	17.6	15.8	14.1	12.0	10.2	10.2	10.5
45°	23.7	26.0	25.3	22.1	18.1	16.4	14.6	12.8	10.9	10.3	10.7
42.5°	21.3	24.7	24.9	22.8	19.7	17.0	15.1	13.3	11.4	10.4	10.8
40°	24.3	24.1	24.9	24.4	21.6	17.5	15.6	13.8	11.9	10.7	10.9
37.5°	29.0	27.1	25.7	28.5	24.4	19.5	16.1	14.1	12.6	11.3	11.1
35°	36.7	32.8	31.8	34.4	29.8	21.7	16.5	14.5	13.6	11.9	11.2
32.5°	46.1	43.4	42.8	41.5	37.1	24.0	17.9	16.0	14.7	12.5	11.3
30°	61.4	63.2	55.5	50.1	45.4	30.7	20.8	17.7	16.0	13.0	11.5
27.5°	95.0	88.7	71.4	61.8	53.7	39.4	25.5	19.7	17.4	13.7	12.0
25°	139.4	122.7	96.5	75.1	63.0	61.5	30.8	22.0	19.1	14.9	12.4
22.5°	197.2	164.2	125.5	89.3	96.2	90.4	42.7	26.3	20.8	16.1	12.8
20°	263.3	211.9	165.7	138.0	135.1	119.6	63.8	30.9	22.7	17.3	13.2
17.5°	336.4	292.4	251.4	201.2	176.4	152.0	88.5	35.7	24.7	18.6	13.5
15°	466.9	413.3	344.5	269.8	219.6	186.9	115.9	40.6	26.7	19.9	14.2
12.5°	616.4	540.3	442.7	342.5	264.1	223.7	145.2	45.6	28.7	21.8	15.2
10°	770.0	671.4	544.1	417.6	309.5	261.5	175.2	52.1	32.9	24.2	16.2
7.5°	925.7	804.2	646.7	493.5	355.7	302.0	208.6	61.9	37.5	26.5	17.3
5°	1071.1	920.9	733.1	559.0	404.9	344.3	241.0	71.7	42.2	28.7	18.4
2.5°	1170.3	1009.6	805.7	618.9	453.1	385.2	270.8	81.1	46.8	30.8	19.5
0°	1263.6	1091.6	872.5	673.8	499.7	423.9	297.0	90.1	51.2	32.8	20.5
-2.5°	1280.8	1105.5	881.8	687.7	518.8	438.8	307.0	106.4	62.0	38.6	23.3
-5°	1290.9	1110.9	885.0	696.8	535.6	450.3	312.7	121.5	72.3	44.1	26.1
-7.5°	1240.4	1075.3	868.3	697.9	549.9	458.0	314.5	135.3	81.7	49.2	28.6
-10°	1172.8	1012.6	824.9	672.2	545.6	456.9	312.7	147.4	90.0	53.6	30.8
-12.5°	1101.8	945.3	780.0	645.0	537.4	448.5	306.9	158.1	97.1	57.3	32.7
-15°	1028.5	874.6	734.8	617.4	528.9	438.6	299.2	167.0	104.0	60.8	34.3
-17.5°	956.8	801.4	690.6	590.2	520.4	427.7	290.1	173.7	109.2	64.1	35.9
-20°	887.9	745.9	649.3	564.4	512.4	416.0	280.0	177.8	112.6	66.1	37.5



REPORT NUMBER: P701737 (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°
-22.5°	818.5	707.6	622.2	550.1	500.7	404.1	269.5	179.3	114.1	66.9	38.6
-25°	751.4	670.5	597.0	540.3	483.3	386.7	264.2	178.1	113.5	66.2	39.1
-27.5°	703.6	636.6	572.3	529.3	462.7	370.3	261.7	177.0	111.5	64.0	39.0
-30°	665.1	608.9	556.6	514.1	441.6	346.0	255.5	173.2	108.9	62.5	38.3
-32.5°	637.5	582.9	542.3	489.6	414.4	320.2	240.5	166.5	104.1	61.6	37.4
-35°	614.9	565.3	525.8	465.2	383.6	297.6	221.1	156.8	97.2	59.8	35.9
-37.5°	591.0	551.4	499.4	436.0	351.5	272.5	201.8	141.3	88.0	57.0	33.7
-40°	575.2	531.1	474.0	399.8	320.5	244.9	180.1	125.7	82.1	53.4	30.8
-42.5°	557.2	501.3	436.0	362.1	287.8	218.6	156.9	109.0	75.3	49.3	27.3
-45°	522.6	463.1	391.1	321.6	253.2	189.8	137.2	92.5	67.4	44.4	24.1
-47.5°	480.9	411.5	343.9	278.5	218.6	161.0	116.4	82.7	58.7	38.5	22.1
-50°	422.0	357.3	294.5	236.7	181.1	136.8	97.0	72.0	50.3	31.1	19.6
-52.5°	361.7	301.1	246.5	194.5	150.6	111.6	83.8	60.5	41.2	26.2	16.8
-55°	299.9	247.8	199.7	157.9	120.8	93.1	69.5	49.6	31.7	22.3	14.1
-57.5°	242.5	196.4	158.8	123.7	97.5	76.0	55.8	38.1	26.1	18.4	14.3
-60°	186.2	152.8	120.0	98.4	78.9	59.7	42.2	28.5	21.8	15.3	14.4
-62.5°	139.5	112.8	95.7	78.2	60.8	44.1	29.7	23.8	17.4	15.1	14.3
-65°	105.3	90.0	74.2	58.4	43.0	30.8	24.7	19.0	16.0	14.7	14.1
-67.5°	80.9	66.3	52.2	38.3	30.7	25.0	19.6	16.8	15.2	14.3	13.6
-70°	53.8	41.5	34.4	29.2	24.0	19.6	17.3	15.5	14.3	13.7	13.0
-72.5°	34.9	30.6	26.1	21.9	19.8	17.8	15.7	14.1	13.6	13.0	12.5
-75°	25.6	23.3	21.5	19.7	17.8	15.9	14.3	13.3	12.8	12.4	11.8
-77.5°	21.8	20.3	18.9	17.3	15.5	14.1	13.1	12.5	12.1	11.7	11.2
-80°	18.0	16.7	15.3	14.0	13.0	12.3	12.0	11.6	11.3	11.0	10.6
-82.5°	13.9	13.0	12.3	11.7	11.5	11.2	11.0	10.8	10.5	10.2	10.0
-85°	11.5	11.1	10.8	10.5	10.4	10.2	10.2	10.2	10.1	9.9	9.6
-87.5°	9.6	9.5	9.4	9.3	9.5	9.7	9.9	10.2	9.9	9.5	9.1
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2



REPORT NUMBER: P701737 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	8.2	8.7	9.2	9.7	10.2	9.2	8.2
87.5°	8.7	8.6	8.5	8.5	8.4	8.3	8.2
85°	9.2	9.1	8.9	8.7	8.5	8.4	8.2
82.5°	9.7	9.5	9.2	9.0	8.7	8.5	8.2
80°	10.2	9.9	9.6	9.2	8.9	8.5	8.2
77.5°	10.2	10.2	9.9	9.5	9.1	8.6	8.2
75°	10.2	10.2	10.2	9.7	9.2	8.7	8.2
72.5°	10.2	10.2	10.2	10.0	9.4	8.8	8.2
70°	10.2	10.2	10.2	10.2	9.6	8.9	8.2
67.5°	10.2	10.2	10.2	10.2	9.7	9.0	8.2
65°	10.2	10.2	10.2	10.2	9.9	9.0	8.2
62.5°	10.2	10.2	10.2	10.2	10.0	9.1	8.2
60°	10.2	10.2	10.2	10.2	10.2	9.2	8.2
57.5°	10.2	10.2	10.2	10.2	10.2	9.3	8.2
55°	10.2	10.2	10.2	10.2	10.2	9.3	8.2
52.5°	10.2	10.2	10.2	10.2	10.2	9.4	8.2
50°	10.2	10.2	10.2	10.2	10.2	9.5	8.2
47.5°	10.2	10.2	10.2	10.2	10.2	9.6	8.2
45°	10.4	10.2	10.2	10.2	10.2	9.6	8.2
42.5°	10.6	10.2	10.2	10.2	10.2	9.7	8.2
40°	10.8	10.2	10.2	10.2	10.2	9.7	8.2
37.5°	11.1	10.2	10.2	10.2	10.2	9.8	8.2
35°	11.4	10.3	10.2	10.2	10.2	9.8	8.2
32.5°	11.6	10.6	10.2	10.2	10.2	9.9	8.2
30°	11.7	10.8	10.2	10.2	10.2	9.9	8.2
27.5°	11.9	11.0	10.2	10.2	10.2	10.0	8.2
25°	12.0	11.3	10.2	10.2	10.2	10.0	8.2
22.5°	12.1	11.5	10.2	10.2	10.2	10.0	8.2
20°	12.3	11.7	10.2	10.2	10.2	10.1	8.2
17.5°	12.4	11.8	10.2	10.2	10.2	10.1	8.2
15°	12.6	11.9	10.2	10.2	10.2	10.1	8.2
12.5°	12.9	12.0	10.2	10.2	10.2	10.2	8.2
10°	13.1	12.1	10.2	10.2	10.2	10.2	8.2
7.5°	13.4	12.2	10.2	10.2	10.2	10.2	8.2
5°	13.7	12.3	10.2	10.2	10.2	10.2	8.2
2.5°	14.0	12.3	10.2	10.2	10.2	10.2	8.2
0°	14.3	12.3	10.2	10.2	10.2	10.2	8.2
-2.5°	15.7	12.5	10.2	10.2	10.2	10.2	8.2
-5°	17.0	12.7	10.2	10.2	10.2	10.2	8.2
-7.5°	18.1	12.8	10.2	10.2	10.2	10.2	8.2
-10°	19.2	13.0	10.2	10.2	10.2	10.2	8.2
-12.5°	20.0	13.0	10.2	10.2	10.2	10.2	8.2
-15°	20.7	13.0	10.2	10.2	10.2	10.1	8.2
-17.5°	21.1	13.0	10.2	10.2	10.2	10.1	8.2
-20°	21.4	12.9	10.2	10.2	10.2	10.1	8.2



REPORT NUMBER: P701737 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0680R-57-80-4S-CV5-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	21.9	12.7	10.2	10.2	10.2	10.1	8.2
-25°	21.9	12.7	10.2	10.2	10.2	10.1	8.2
-27.5°	21.6	12.7	10.2	10.2	10.2	10.0	8.2
-30°	20.8	12.5	10.2	10.2	10.2	10.0	8.2
-32.5°	19.6	12.2	10.4	10.2	10.2	10.0	8.2
-35°	18.9	11.7	10.5	10.2	10.2	9.9	8.2
-37.5°	18.2	11.3	10.7	10.2	10.2	9.9	8.2
-40°	17.3	11.5	10.8	10.2	10.2	9.9	8.2
-42.5°	16.2	11.6	10.9	10.2	10.2	9.9	8.2
-45°	14.7	11.8	11.0	10.3	10.2	9.8	8.2
-47.5°	13.0	12.0	11.0	10.3	10.2	9.8	8.2
-50°	12.9	12.1	11.1	10.3	10.2	9.8	8.2
-52.5°	13.1	12.2	11.1	10.4	10.2	9.7	8.2
-55°	13.2	12.2	11.1	10.4	10.2	9.7	8.2
-57.5°	13.4	12.1	11.0	10.4	10.2	9.7	8.2
-60°	13.5	12.0	11.0	10.4	10.2	9.6	8.2
-62.5°	13.2	11.8	10.9	10.3	10.2	9.6	8.2
-65°	12.9	11.7	10.8	10.3	10.2	9.6	8.2
-67.5°	12.6	11.4	10.7	10.3	10.2	9.5	8.2
-70°	12.2	11.2	10.5	10.2	10.2	9.5	8.2
-72.5°	11.7	10.9	10.4	10.2	10.2	9.5	8.2
-75°	11.3	10.6	10.2	10.1	10.2	9.4	8.2
-77.5°	10.8	10.3	10.1	10.0	10.2	9.4	8.2
-80°	10.3	10.0	9.9	10.0	10.2	9.4	8.2
-82.5°	9.8	9.7	9.7	9.9	10.2	9.3	8.2
-85°	9.2	9.4	9.6	9.8	10.2	9.3	8.2
-87.5°	8.7	9.0	9.4	9.8	10.2	9.2	8.2
-90°	8.2	8.2	8.2	8.2	8.2	8.2	8.2

(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

