

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: P701587 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0640L-57-80-3S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701587 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-20)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0640L-57-80-3S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

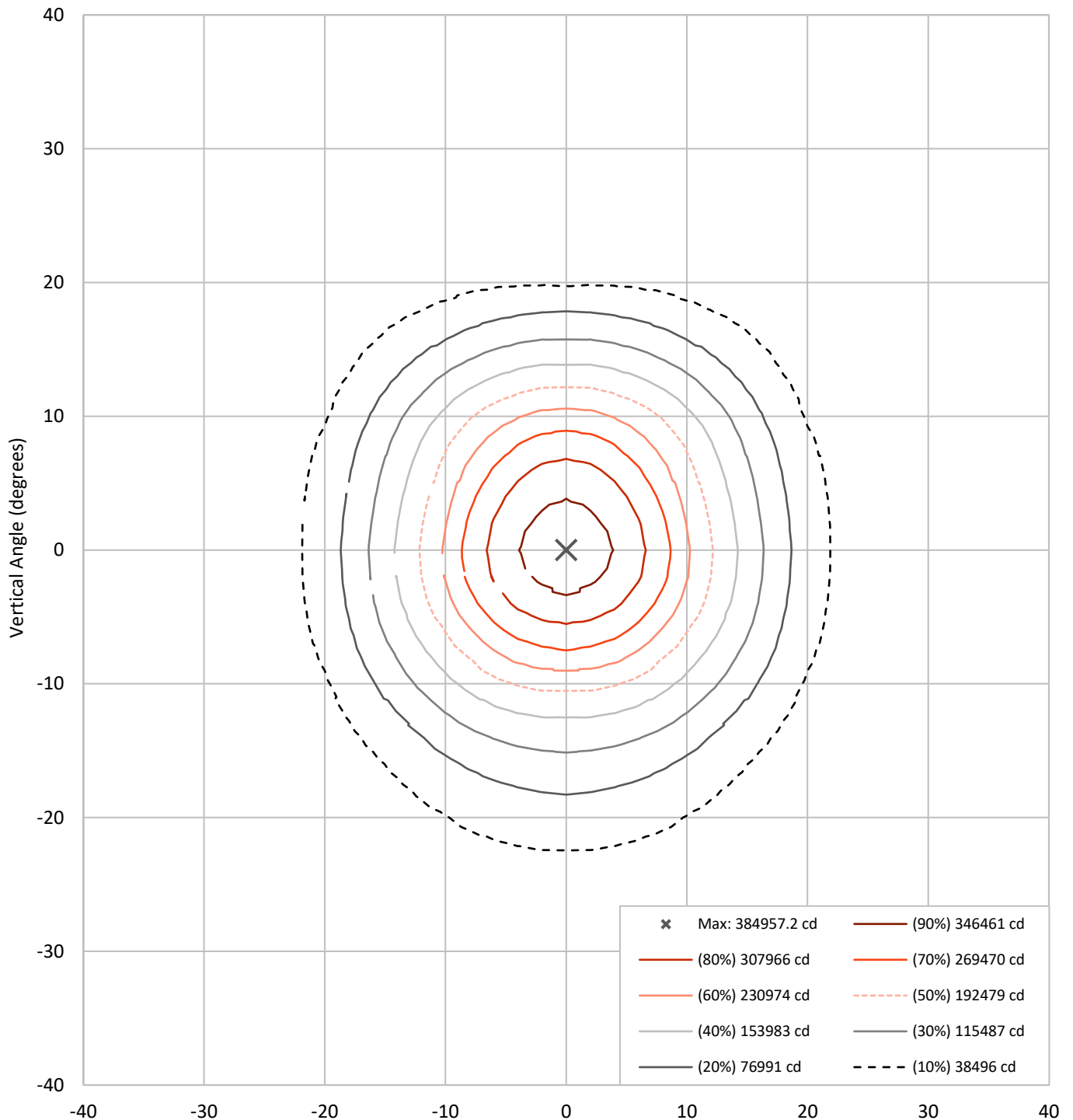
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	79785.5 lumens	Max Intensity:	384957.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	121.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	24.3°H x 22.7°V	Field Angle (10%):	43.8°H x 42.1°V
Beam Lumens:	37622.6 lumens	Field Lumens:	67966.9 lumens
Beam Efficiency:	47.2%	Field Efficiency:	85.2%

Input Watts (W): 658
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





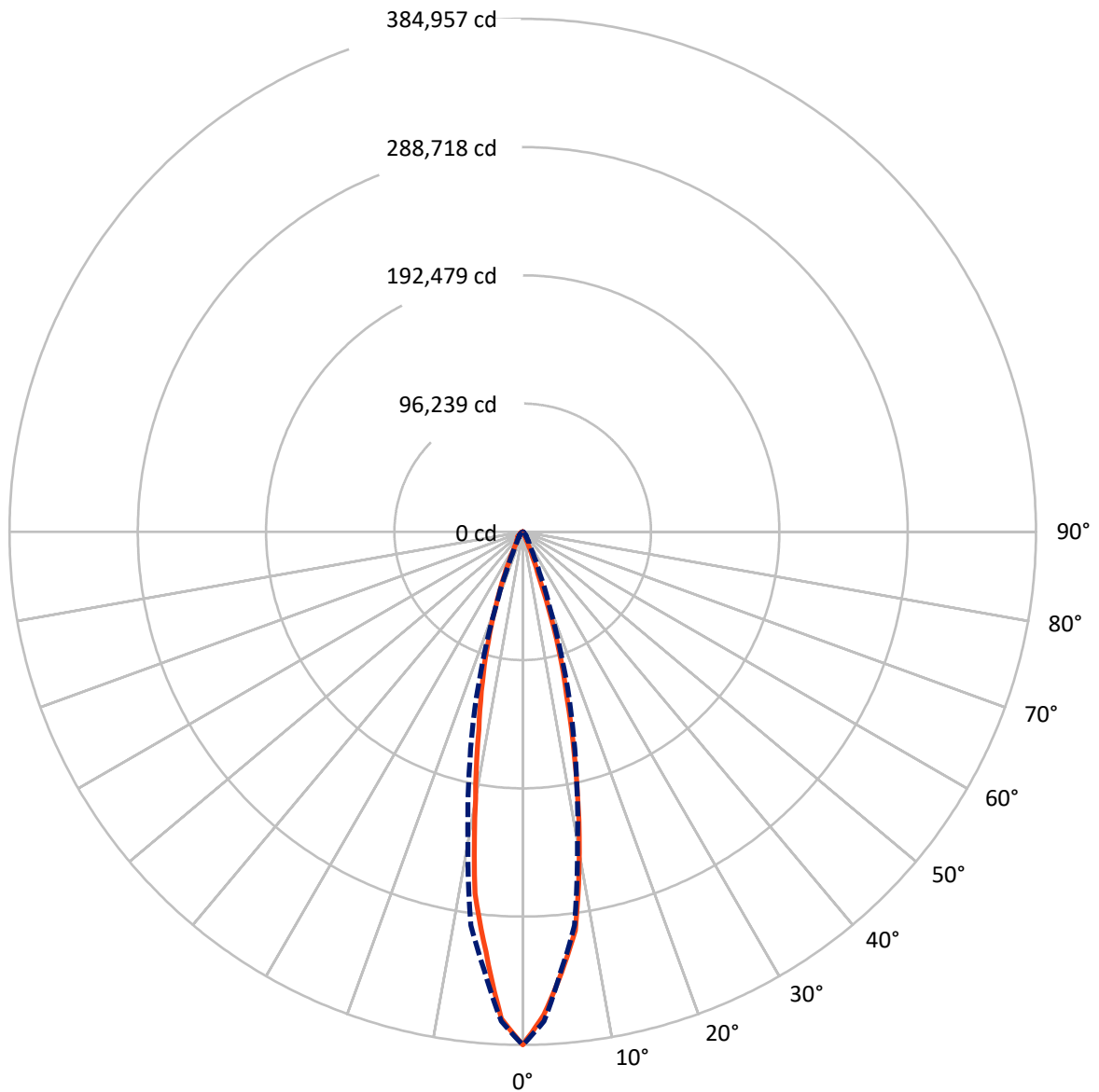
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Lumen Table

90	0.1		0.2		0.5		0.5		0.5		0.5		0.5		0.2		0.1	
80	0.1		0.2		0.5		0.5		0.5		0.5		0.5		0.2		0.1	
70	0.1	0.1	0.2	0.7	0.8	0.6	0.4	0.4	0.4	0.4	0.6	0.8	0.7	0.2	0.1	0.1		
60		0.1	0.5	0.9	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.9	0.5	0.1			
50	0.2	0.2	0.7	0.7	0.8	1.2	2.1	1.4	1.4	2.1	1.2	0.8	0.7	0.7	0.2	0.2		
40		0.4	1.3	3.1	5.6	8.1	11.1	13.4	13.4	11.1	8.1	5.6	3.1	1.3	0.4			
30	0.2	0.8	5.4	17.0	39.3	65.5	134.6	259.0	259.0	134.6	65.5	39.3	17.0	5.4	0.8	0.2		
20		1.7	11.6	43.3	104.9	277.7	1529.0	3608.4	3608.4	1529.0	277.7	104.9	43.3	11.6	1.7			
10	0.4	2.5	15.4	57.7	135.0	592.3	3665.6	8596.7	8596.7	3665.6	592.3	135.0	57.7	15.4	2.5	0.4		
0		3.1	16.5	58.6	135.3	586.5	3601.6	8238.3	8238.3	3601.6	586.5	135.3	58.6	16.5	3.1			
-10	0.7	3.7	15.7	48.7	106.3	279.9	1460.2	3295.7	3295.7	1460.2	279.9	106.3	48.7	15.7	3.7	0.7		
-20		3.9	14.5	36.4	90.6	158.7	363.3	742.8	742.8	363.3	158.7	90.6	36.4	14.5	3.9			
-30	0.6	3.4	12.5	27.6	66.9	131.2	184.3	226.4	226.4	184.3	131.2	66.9	27.6	12.5	3.4	0.6		
-40		2.4	9.5	21.7	40.6	72.1	118.0	151.1	151.1	118.0	72.1	40.6	21.7	9.5	2.4			
-50	0.3	1.2	5.8	14.6	27.7	42.7	57.1	66.1	66.1	57.1	42.7	27.7	14.6	5.8	1.2	0.3		
-60		0.5	2.0	6.3	12.9	20.5	28.0	32.2	32.2	28.0	20.5	12.9	6.3	2.0	0.5			
-70	0.2	0.5	2.0	6.3	12.9	20.5	28.0	32.2	32.2	28.0	20.5	12.9	6.3	2.0	0.5	0.2		
-80		0.2	1.1	4.1	10.5	14.2	10.5	4.1	1.1	0.2								
-90	0.2		1.1		4.1		10.5		14.2		10.5		4.1		1.1		0.2	

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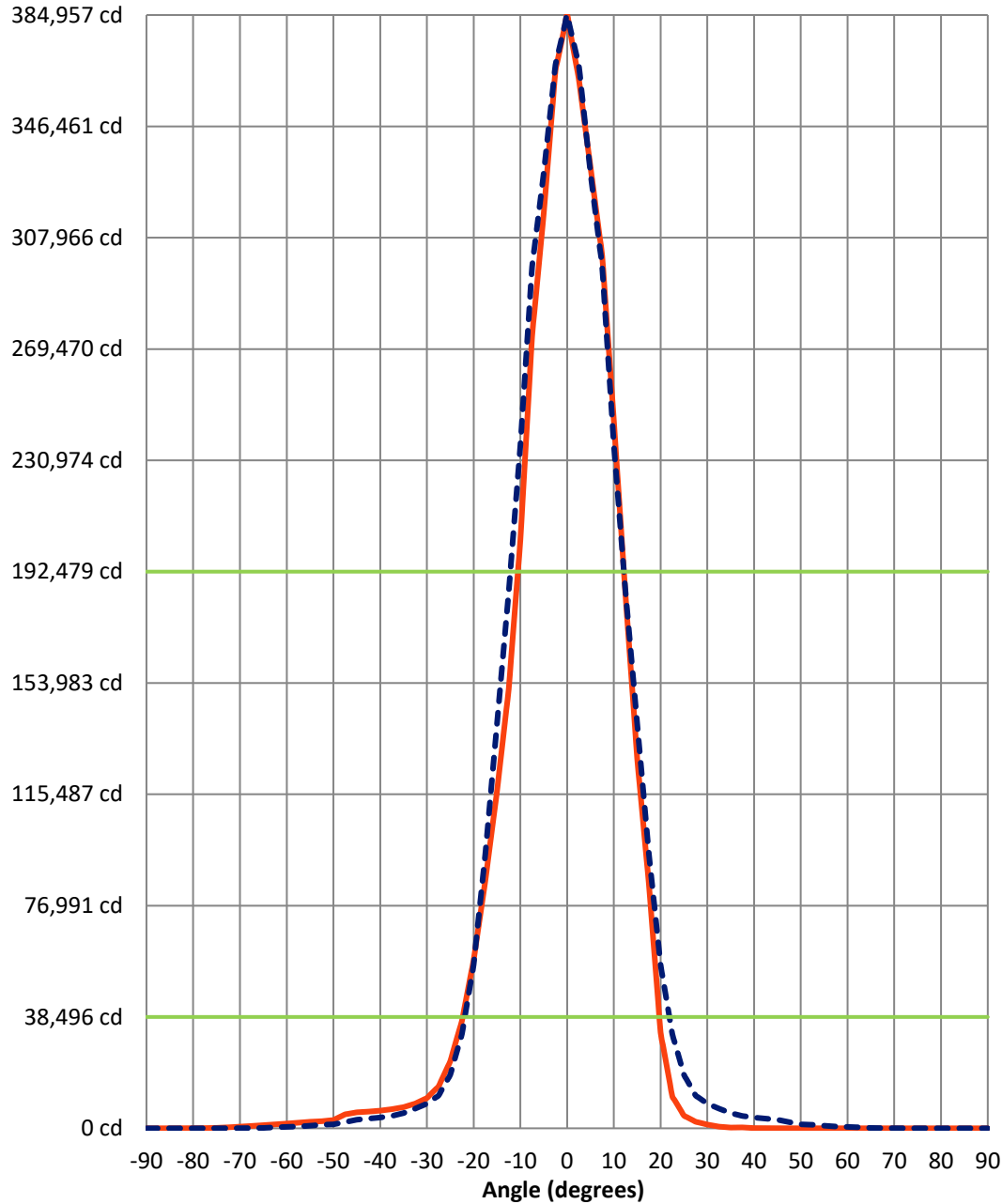
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 24.3°
V Angle: 22.7°
Lumens: 37622.6
Efficiency: 47.2%

Field:
H Angle: 43.8°
V Angle: 42.1°
Lumens: 67966.9
Efficiency: 85.2%

Spill:
Lumens: 11818.6
Efficiency: 14.8%

— 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°	3.9	4.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
87.5°	3.9	4.0	4.1	4.1	4.1	4.0	3.9	3.9	3.9	3.9	3.9
85°	3.9	4.1	4.2	4.3	4.2	4.1	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	4.2	4.4	4.5	4.4	4.2	3.9	3.9	3.9	4.0	3.9
80°	3.9	4.2	4.6	4.7	4.6	4.4	4.0	4.2	4.3	4.2	3.9
77.5°	3.9	4.3	4.8	4.9	4.8	4.6	4.5	4.7	4.7	4.4	4.0
75°	3.9	4.4	4.9	5.1	5.0	4.9	5.0	5.2	5.0	4.5	4.1
72.5°	3.9	4.5	5.1	5.3	5.2	5.2	5.5	5.6	5.1	4.6	4.1
70°	3.9	4.6	5.3	5.5	5.3	5.5	5.9	5.6	5.1	4.7	4.7
67.5°	3.9	4.7	5.4	5.6	5.5	5.8	5.9	5.7	5.2	5.1	5.4
65°	3.9	4.7	5.6	5.6	5.6	5.9	5.9	5.7	5.5	5.6	5.9
62.5°	3.9	4.8	5.7	5.7	5.8	5.9	5.9	5.8	5.7	6.0	6.1
60°	3.9	4.9	5.9	5.7	5.9	5.9	5.9	5.9	5.9	6.3	6.4
57.5°	3.9	5.0	5.9	5.8	5.9	5.9	6.0	5.9	6.3	6.7	6.7
55°	3.9	5.0	5.9	5.8	5.9	5.9	6.1	6.0	6.7	7.2	7.2
52.5°	3.9	5.1	5.9	5.9	5.9	5.9	6.3	6.5	7.3	7.7	7.7
50°	3.9	5.2	5.9	5.9	5.9	6.1	6.4	7.0	7.8	8.3	10.3
47.5°	3.9	5.3	5.9	5.9	5.9	6.3	6.7	7.6	8.5	9.0	12.9
45°	3.9	5.3	5.9	5.9	5.9	6.5	7.1	8.1	9.1	11.1	15.3
42.5°	3.9	5.4	5.9	5.9	5.9	6.7	7.6	8.6	9.7	12.9	19.7
40°	3.9	5.4	5.9	5.9	6.0	7.0	8.0	9.2	10.6	14.6	24.3
37.5°	3.9	5.5	5.9	5.9	6.2	7.2	8.4	9.6	11.9	16.7	28.7
35°	3.9	5.5	5.9	5.9	6.4	7.5	8.8	10.1	13.0	20.7	32.3
32.5°	3.9	5.6	5.9	5.9	6.6	7.9	9.2	10.6	14.1	24.7	35.5
30°	3.9	5.6	5.9	5.9	6.8	8.2	9.6	11.1	15.1	28.7	38.8
27.5°	3.9	5.7	5.9	5.9	6.9	8.5	10.0	11.9	16.8	32.6	42.2
25°	3.9	5.7	5.9	5.9	7.1	8.8	10.3	12.6	19.9	35.8	45.8
22.5°	3.9	5.7	5.9	5.9	7.2	9.0	10.6	13.3	22.9	38.6	52.2
20°	3.9	5.8	5.9	5.9	7.3	9.2	11.0	13.8	25.8	41.3	59.1
17.5°	3.9	5.8	5.9	5.9	7.4	9.3	11.3	14.3	28.4	44.0	66.3
15°	3.9	5.8	5.9	5.9	7.5	9.5	11.6	14.9	30.9	46.7	73.7
12.5°	3.9	5.9	5.9	5.9	7.6	9.6	12.0	15.7	33.8	49.2	81.2
10°	3.9	5.9	5.9	5.9	7.7	9.6	12.4	16.6	36.9	53.2	89.5
7.5°	3.9	5.9	5.9	5.9	7.7	9.7	12.7	17.4	39.9	57.3	99.7
5°	3.9	5.9	5.9	5.9	7.8	9.8	13.1	18.2	42.6	61.3	109.6
2.5°	3.9	5.9	5.9	5.9	7.8	9.8	13.4	18.9	44.9	65.1	118.8
0°	3.9	5.9	5.9	5.9	7.8	9.8	13.7	19.6	46.9	68.5	127.1
-2.5°	3.9	5.9	6.0	6.2	8.1	10.7	16.0	25.7	57.7	86.1	149.7
-5°	3.9	5.9	6.1	6.4	8.5	11.5	18.3	31.6	67.8	102.9	170.9
-7.5°	3.9	5.9	6.1	6.7	8.8	12.2	20.3	37.0	77.1	118.7	190.4
-10°	3.9	5.9	6.2	6.9	9.1	13.0	22.2	42.0	85.4	133.2	207.9
-12.5°	3.9	5.9	6.3	7.1	9.3	13.6	23.9	46.2	92.4	146.0	225.6
-15°	3.9	5.8	6.4	7.3	9.6	14.1	25.2	49.7	98.6	157.7	241.3
-17.5°	3.9	5.8	6.4	7.5	9.8	14.6	26.2	52.9	104.0	167.5	253.2
-20°	3.9	5.8	6.5	7.7	10.0	14.9	27.2	55.7	107.7	175.2	261.2



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 CATALOG NUMBER: EPH-LS-08-0640L-57-80-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.9	5.8	6.5	7.9	10.2	15.1	28.1	57.3	109.4	180.7	264.8
-25°	3.9	5.8	6.6	8.0	10.4	15.3	28.4	57.5	109.1	183.7	263.7
-27.5°	3.9	5.7	6.6	8.1	10.6	15.4	28.0	56.4	106.6	183.8	266.2
-30°	3.9	5.7	6.6	8.2	10.7	15.3	26.8	53.9	104.2	180.5	265.7
-32.5°	3.9	5.7	6.6	8.3	10.8	15.0	24.9	52.1	101.1	174.3	261.9
-35°	3.9	5.6	6.6	8.3	10.8	14.6	23.9	49.8	95.9	164.9	254.6
-37.5°	3.9	5.6	6.6	8.3	10.8	14.2	23.3	46.4	88.6	152.5	238.4
-40°	3.9	5.6	6.5	8.3	10.8	14.2	22.5	41.8	79.2	140.9	218.2
-42.5°	3.9	5.6	6.5	8.3	10.7	14.1	21.3	35.9	71.1	126.1	195.1
-45°	3.9	5.5	6.5	8.2	10.6	13.9	19.8	31.2	63.0	108.8	170.0
-47.5°	3.9	5.5	6.4	8.1	10.4	13.6	18.1	29.1	53.4	89.6	147.9
-50°	3.9	5.5	6.3	7.9	10.3	13.2	17.4	26.7	41.8	76.2	123.4
-52.5°	3.9	5.4	6.2	7.8	10.1	12.8	16.8	23.8	35.6	61.7	97.6
-55°	3.9	5.4	6.1	7.6	9.8	12.4	16.1	20.8	31.6	46.1	79.6
-57.5°	3.9	5.4	6.0	7.5	9.5	12.0	15.3	19.7	27.4	38.6	60.3
-60°	3.9	5.3	5.9	7.3	9.2	11.6	14.4	18.5	23.6	33.4	44.6
-62.5°	3.9	5.3	5.9	7.1	8.9	11.1	13.7	17.3	22.0	27.8	38.2
-65°	3.9	5.3	5.9	6.8	8.5	10.6	13.0	16.0	20.3	25.0	31.4
-67.5°	3.9	5.2	5.9	6.6	8.1	10.0	12.3	15.1	18.5	22.9	27.6
-70°	3.9	5.2	5.9	6.3	7.7	9.5	11.5	14.1	17.2	20.6	24.9
-72.5°	3.9	5.2	5.9	6.3	7.3	8.8	10.6	13.0	15.9	18.9	22.2
-75°	3.9	5.1	5.9	6.2	6.9	8.2	9.7	11.9	14.4	17.2	20.1
-77.5°	3.9	5.1	5.9	6.2	6.7	7.5	8.8	10.8	12.9	15.3	17.9
-80°	3.9	5.1	5.9	6.1	6.5	7.1	7.9	9.5	11.4	13.4	15.6
-82.5°	3.9	5.0	5.9	6.1	6.4	6.8	7.4	8.4	9.8	11.4	13.2
-85°	3.9	5.0	5.9	6.0	6.2	6.5	6.9	7.6	8.5	9.6	10.8
-87.5°	3.9	4.9	5.9	6.0	6.1	6.2	6.4	6.8	7.2	7.7	8.3
-90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9



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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°	6.4	6.9	7.3	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
87.5°	3.4	3.0	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	3.4	3.0	2.6	2.3	2.3	2.3	2.2	2.0	2.0	2.0	2.0
82.5°	3.6	3.4	3.4	3.4	3.2	2.9	2.6	2.3	2.3	2.3	2.2
80°	3.8	3.9	3.9	3.9	3.7	3.5	3.5	3.6	3.4	3.1	2.9
77.5°	3.9	3.9	3.9	3.9	3.9	4.1	4.4	4.9	4.9	4.7	4.4
75°	3.9	3.9	4.0	4.0	4.1	4.6	5.2	5.7	5.7	5.6	5.6
72.5°	4.2	4.5	4.4	4.1	4.5	5.2	5.7	5.9	7.0	8.6	9.7
70°	5.0	5.1	5.0	5.1	5.5	6.4	8.4	11.1	13.8	15.8	18.4
67.5°	5.8	5.5	5.6	6.1	7.5	9.7	12.8	19.7	27.4	30.4	31.9
65°	5.9	5.8	6.4	7.7	9.6	15.4	22.9	31.9	41.3	43.4	43.2
62.5°	5.9	6.2	7.2	10.2	15.6	22.9	32.7	42.8	52.7	51.0	45.0
60°	6.1	6.4	9.9	15.6	22.2	31.9	42.7	48.0	51.2	50.8	43.8
57.5°	6.3	8.6	14.5	21.9	31.2	39.5	43.1	46.2	48.1	49.6	41.2
55°	7.9	12.5	20.0	29.8	37.4	39.0	41.0	42.2	43.8	40.7	31.5
52.5°	11.5	17.0	26.9	35.5	38.8	38.4	36.5	36.7	33.9	29.6	25.0
50°	14.8	23.4	32.8	38.2	39.7	36.8	31.6	30.0	27.2	23.7	20.5
47.5°	19.9	29.7	36.4	40.8	39.9	35.7	29.7	26.0	23.0	22.1	19.0
45°	25.4	34.1	40.4	42.3	40.3	34.9	30.0	23.4	24.8	24.6	24.3
42.5°	30.7	37.7	43.1	44.6	40.2	36.7	32.4	30.8	30.6	34.5	37.2
40°	34.1	41.2	46.2	46.7	41.8	41.0	43.9	45.7	44.0	50.6	56.2
37.5°	37.1	44.8	51.0	53.3	47.3	52.1	59.4	80.0	82.0	70.2	89.9
35°	40.0	49.0	60.6	69.7	69.4	69.8	101.4	132.7	147.3	129.0	146.1
32.5°	43.6	53.8	73.9	97.6	117.3	120.4	154.7	218.4	248.2	249.5	247.1
30°	48.7	66.4	94.6	133.7	183.4	231.6	257.7	327.7	375.8	458.0	520.3
27.5°	55.8	82.6	129.4	194.7	273.1	368.8	427.1	467.6	586.0	739.7	905.5
25°	64.0	115.3	169.6	272.9	406.2	527.8	602.1	650.7	857.5	1162.5	1375.9
22.5°	81.8	157.4	228.4	361.8	556.5	693.1	771.6	928.4	1249.1	1658.6	1911.2
20°	112.5	208.9	297.5	442.9	710.2	862.5	936.6	1247.9	1743.0	2162.8	2510.7
17.5°	148.0	260.8	366.0	537.8	796.6	992.7	1118.8	1589.9	2269.0	2646.1	3044.7
15°	187.0	312.7	427.0	622.2	879.8	1069.8	1342.7	2002.2	2750.2	3110.3	3521.5
12.5°	228.2	363.9	481.0	696.2	961.9	1141.1	1543.1	2296.3	2998.6	3486.2	4019.7
10°	270.3	413.9	528.7	760.0	1041.0	1206.6	1731.3	2541.4	3130.0	3588.6	4211.1
7.5°	296.4	448.3	567.7	814.1	1115.5	1266.6	1903.2	2739.3	3223.2	3649.2	4237.1
5°	315.4	464.9	586.9	850.8	1167.4	1314.2	2043.4	2892.0	3283.8	3673.4	4190.8
2.5°	329.3	477.8	603.1	878.5	1199.3	1346.9	2109.3	2950.7	3323.9	3703.0	4197.6
0°	338.4	487.0	616.1	897.8	1220.5	1375.0	2143.7	2971.1	3348.6	3728.0	4267.8
-2.5°	350.4	500.4	636.6	917.4	1225.9	1381.2	2148.7	2963.1	3362.8	3788.0	4343.8
-5°	358.3	510.0	653.1	928.5	1222.0	1382.1	2121.8	2920.7	3342.3	3773.2	4314.5
-7.5°	363.0	515.9	664.8	929.4	1201.1	1361.2	2029.7	2787.7	3227.5	3631.9	4163.9
-10°	366.8	524.2	675.9	913.6	1160.6	1324.7	1899.8	2629.7	3100.2	3472.7	3972.3
-12.5°	379.1	535.6	684.2	894.5	1119.1	1283.7	1741.0	2451.6	2962.8	3297.7	3765.5
-15°	387.8	544.7	689.1	873.7	1079.0	1238.3	1554.3	2257.5	2858.1	3234.3	3635.4
-17.5°	392.8	552.1	690.8	852.6	1042.3	1188.8	1349.1	2077.5	2774.8	3199.9	3570.2
-20°	394.3	558.0	689.6	832.6	1010.0	1159.4	1303.5	1858.9	2570.9	3145.2	3512.7



REPORT NUMBER: P701587 (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°	392.4	562.9	687.8	823.5	989.2	1146.1	1286.1	1617.4	2301.8	3066.3	3439.1
-25°	391.3	556.2	687.5	810.6	965.7	1130.1	1268.0	1391.5	1999.2	2762.5	3340.1
-27.5°	388.8	545.9	673.7	790.2	936.4	1107.7	1246.8	1368.6	1720.3	2417.5	3184.6
-30°	380.1	518.1	654.7	764.7	906.7	1069.7	1222.8	1351.7	1483.3	2065.2	2780.9
-32.5°	360.4	487.7	623.5	739.9	869.7	1025.8	1188.7	1322.2	1455.7	1669.3	2348.1
-35°	339.6	459.1	587.0	709.2	825.1	975.2	1130.8	1282.6	1415.4	1555.2	1886.4
-37.5°	323.5	427.7	548.9	670.7	785.8	917.7	1066.6	1220.2	1363.3	1507.5	1670.6
-40°	304.1	393.6	510.9	627.6	742.5	861.6	999.0	1144.1	1294.2	1460.2	1613.1
-42.5°	280.9	368.2	470.9	583.2	694.7	809.0	927.6	1065.0	1221.8	1397.4	1559.2
-45°	251.8	339.2	429.9	535.2	642.9	751.7	864.6	983.5	1140.8	1308.4	1480.4
-47.5°	219.4	305.5	393.1	483.1	586.4	691.4	796.9	917.0	1049.9	1205.9	1373.1
-50°	185.6	265.3	350.9	434.1	525.3	626.1	727.8	843.6	968.8	1098.8	1245.2
-52.5°	154.8	221.5	301.4	383.9	465.9	555.2	654.5	762.5	878.5	1002.1	1122.6
-55°	121.3	181.0	247.3	325.9	406.8	486.4	571.7	670.8	777.5	890.4	1003.2
-57.5°	94.2	139.0	196.0	261.7	338.3	417.6	493.4	572.4	665.8	767.0	865.7
-60°	70.7	102.6	145.9	201.4	263.0	336.2	411.8	484.9	559.0	633.7	721.0
-62.5°	49.1	73.9	103.8	142.2	195.0	252.2	318.5	388.1	458.8	523.1	586.9
-65°	41.2	49.6	70.2	98.2	127.9	176.2	229.3	284.9	347.0	402.5	459.8
-67.5°	33.0	40.6	48.1	59.2	84.8	112.7	142.8	189.7	238.1	278.2	319.1
-70°	28.8	32.1	38.2	44.9	51.3	62.7	87.1	113.2	139.3	165.4	198.9
-72.5°	25.3	28.2	31.2	34.4	39.8	45.2	50.7	56.3	70.9	90.8	109.1
-75°	22.2	24.1	26.6	29.2	31.8	34.3	37.1	41.6	46.2	50.8	55.3
-77.5°	19.4	20.9	22.4	24.1	26.0	28.2	30.3	32.4	34.2	36.1	38.0
-80°	16.7	17.6	18.6	19.8	21.1	22.5	24.0	25.6	26.8	28.0	29.3
-82.5°	14.0	14.6	15.3	15.9	16.6	17.2	17.8	18.8	19.6	20.5	21.3
-85°	11.3	11.7	12.1	12.6	13.0	13.4	13.8	14.1	14.5	14.8	15.2
-87.5°	8.8	9.3	9.7	10.0	10.2	10.3	10.4	10.6	10.7	10.8	10.9
-90°	3.4	3.0	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	7.8	8.3	8.8	9.3	9.8	9.8	9.8	9.8	9.8	9.8	9.8
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.6	2.6	2.5	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	4.2	4.0	3.7	3.4	3.1	2.9	2.7	2.4	2.1	2.0	2.0
75°	5.7	5.8	5.8	5.6	5.0	4.6	4.3	4.0	3.6	3.6	3.7
72.5°	10.3	10.3	9.9	9.9	9.3	9.0	9.0	8.9	8.6	8.8	9.2
70°	20.0	20.5	20.1	18.8	16.8	15.2	14.4	13.2	11.8	11.6	12.2
67.5°	31.5	30.0	28.3	26.0	22.5	19.5	18.0	16.5	15.1	14.8	15.2
65°	40.1	34.0	29.9	26.5	23.7	20.9	19.0	17.1	15.3	14.2	14.0
62.5°	38.7	31.8	27.2	24.1	21.5	19.2	16.9	14.6	12.4	11.0	11.1
60°	36.4	28.7	22.7	19.7	17.4	15.7	13.7	11.9	10.6	9.8	9.9
57.5°	30.9	22.6	17.3	15.9	14.3	12.5	11.2	10.5	10.0	9.8	9.8
55°	23.8	19.1	15.9	14.2	12.5	10.9	9.9	10.1	10.1	9.8	10.2
52.5°	19.6	16.9	14.7	13.0	12.3	11.8	11.6	11.6	11.8	12.1	12.4
50°	17.6	15.7	14.7	13.5	13.5	13.5	13.5	14.1	14.7	14.9	14.7
47.5°	17.8	17.0	17.9	15.5	15.9	17.4	17.5	17.6	18.9	19.3	19.1
45°	22.4	27.0	27.1	24.9	23.6	28.9	29.2	26.5	40.6	39.7	30.1
42.5°	39.9	42.6	42.7	45.1	50.1	65.8	95.0	121.3	125.3	110.1	75.5
40°	64.4	62.2	67.2	80.7	119.6	155.0	181.9	262.2	261.5	204.7	206.1
37.5°	104.9	102.6	110.1	150.9	163.5	141.3	199.0	204.6	175.2	208.8	211.8
35°	180.7	204.9	178.6	221.7	223.8	200.2	214.9	239.8	204.4	244.6	262.0
32.5°	329.4	372.0	376.1	372.7	395.0	416.7	403.9	464.5	475.3	515.5	559.8
30°	535.2	617.3	680.0	667.9	704.7	769.4	790.6	883.1	975.3	1032.5	1172.5
27.5°	932.6	974.1	1102.7	1193.2	1172.2	1277.9	1487.5	1552.4	1816.8	1943.4	2125.7
25°	1476.8	1550.4	1733.7	1948.6	2040.6	2217.6	2558.1	2721.1	3068.4	3245.7	3914.3
22.5°	2151.1	2400.2	2630.2	2918.9	3333.3	3685.1	4063.7	4700.0	5733.8	7219.1	8992.4
20°	2920.8	3338.5	3686.2	4219.6	4906.4	5568.3	6547.6	9371.1	12369.9	18624.8	22874.5
17.5°	3649.1	4312.0	4797.9	5506.3	6520.8	8177.6	11551.0	17862.2	27781.1	39897.9	51464.3
15°	4217.4	4895.0	5795.6	6864.8	8414.4	11656.6	17818.4	30293.1	49204.3	67667.7	87094.3
12.5°	4697.7	5414.3	6401.3	7849.7	10167.4	15995.1	27074.1	45865.7	70795.3	98281.5	127323.3
10°	5006.7	5877.0	7059.0	8972.0	12823.5	21103.0	35506.1	60687.2	94196.8	130082.8	162362.0
7.5°	5061.1	6123.0	7620.3	9947.2	15458.8	26431.4	45535.3	75157.8	111857.6	152275.5	192928.8
5°	5082.8	6352.1	8094.7	10713.2	17269.3	30285.7	51312.7	84428.5	125178.7	166688.5	210441.0
2.5°	5140.8	6577.0	8442.8	11249.2	18313.6	32584.1	54651.4	91069.3	134060.5	179135.1	227916.6
0°	5261.5	6812.5	8518.1	11340.5	18532.5	32632.8	56577.4	94874.6	139853.2	185393.2	236274.9
-2.5°	5326.9	6782.3	8454.6	11154.2	18250.3	32637.9	54726.5	92227.1	136832.5	181264.9	232539.0
-5°	5214.6	6479.4	8063.4	10592.0	17015.7	30027.9	51049.7	85391.2	126561.8	166511.5	207742.8
-7.5°	4973.4	6053.3	7507.5	9793.7	15101.2	25982.2	44403.9	72602.8	107563.2	142293.7	174416.4
-10°	4692.6	5601.6	6794.3	8634.7	12395.7	20543.9	34743.7	56931.4	86960.5	116775.2	143883.9
-12.5°	4389.5	5097.4	5980.4	7253.3	9594.8	15512.0	26331.3	43337.0	64101.1	86592.8	111215.9
-15°	4130.4	4652.4	5321.7	6405.7	8191.8	11556.2	17675.0	28991.6	43881.0	61513.3	79664.3
-17.5°	3956.3	4344.4	4927.3	5754.2	6852.0	8850.4	13278.9	19988.4	29568.7	42765.3	54752.9
-20°	3831.3	4196.3	4658.8	5309.9	6229.4	7638.4	9805.3	14429.6	20733.8	29287.3	37424.3



REPORT NUMBER: P701587 (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°	3742.2	4070.6	4461.4	4985.4	5806.5	6907.6	8290.8	10535.2	14505.3	19549.3	25206.2
-25°	3654.4	3926.8	4358.0	4921.3	5485.7	6273.6	7229.5	8331.5	10446.6	12689.1	16161.5
-27.5°	3554.1	3891.1	4372.8	4899.1	5407.6	5798.6	6477.2	7237.3	8357.2	9441.3	11225.3
-30°	3481.0	3911.9	4391.2	4897.0	5288.8	5634.4	6013.9	6594.8	7319.4	8085.7	8905.8
-32.5°	3117.2	3847.8	4339.8	4793.3	5117.3	5438.4	5774.7	6177.6	6640.9	7126.4	7624.5
-35°	2629.7	3407.8	4170.9	4526.5	4854.9	5178.8	5529.3	5855.8	6182.6	6510.9	6823.8
-37.5°	2032.1	2794.6	3515.6	4136.7	4513.8	4843.6	5217.4	5552.4	5839.1	6085.7	6326.5
-40°	1775.3	2041.6	2738.9	3392.7	3941.5	4464.1	4816.4	5187.5	5507.2	5734.7	5939.2
-42.5°	1704.6	1854.6	2009.2	2510.5	3116.5	3653.6	4131.5	4595.7	5035.2	5351.5	5594.7
-45°	1643.2	1770.1	1902.6	2050.5	2198.1	2669.1	3165.9	3666.0	4183.2	4646.2	5021.1
-47.5°	1529.7	1683.4	1813.9	1936.2	2053.6	2187.6	2326.1	2525.2	2979.1	3442.4	3864.6
-50°	1389.4	1533.5	1678.9	1823.6	1932.4	2035.2	2140.4	2259.3	2391.5	2526.5	2640.3
-52.5°	1236.7	1369.2	1503.4	1631.0	1752.8	1871.2	1986.8	2091.5	2190.1	2285.2	2341.1
-55°	1112.6	1218.7	1324.4	1433.8	1544.9	1653.1	1760.6	1868.9	1973.3	2072.9	2128.6
-57.5°	967.9	1073.6	1174.8	1258.2	1344.3	1432.4	1524.3	1617.6	1709.1	1794.3	1842.2
-60°	810.7	902.4	990.1	1071.0	1150.8	1228.9	1304.2	1378.3	1449.4	1511.3	1548.9
-62.5°	652.7	727.4	800.0	868.9	935.9	1001.6	1072.1	1139.0	1201.9	1252.8	1284.1
-65°	517.9	574.8	625.3	674.9	723.8	780.1	840.1	896.9	950.1	991.6	1019.1
-67.5°	366.8	415.8	462.1	506.2	546.8	586.9	629.6	671.3	711.4	742.5	764.6
-70°	231.1	262.0	292.5	325.1	360.7	396.0	431.1	463.5	493.1	515.4	532.2
-72.5°	126.0	140.8	156.4	179.5	201.7	225.3	249.5	272.3	293.6	308.6	319.8
-75°	59.8	66.5	78.5	89.2	98.7	109.1	119.6	129.2	138.0	142.7	145.3
-77.5°	41.0	44.3	47.3	49.9	52.3	55.4	58.8	62.1	65.4	67.5	69.2
-80°	30.6	31.9	33.2	34.5	35.9	37.3	38.7	39.9	41.1	42.2	43.1
-82.5°	22.1	22.8	23.4	24.1	24.6	25.6	26.5	27.4	28.3	29.1	29.8
-85°	15.5	15.9	16.3	16.6	16.9	17.4	18.0	18.6	19.2	19.3	19.4
-87.5°	11.0	11.6	12.2	12.8	13.3	13.4	13.5	13.5	13.6	13.6	13.6
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0



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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°	9.8	9.8	10.8	11.7	10.8	9.8	9.8	9.8	9.8	9.8	9.8
87.5°	0.5	0.0	1.0	2.0	1.0	0.0	0.5	1.0	1.5	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.9	3.9	2.9	2.0	2.0	2.0	2.0	2.1	2.4
75°	3.8	3.9	3.9	3.9	3.9	3.9	3.8	3.7	3.6	3.6	4.0
72.5°	9.4	9.6	9.8	9.8	9.8	9.6	9.4	9.2	8.8	8.6	8.9
70°	12.9	13.5	13.7	13.7	13.7	13.5	12.9	12.2	11.6	11.8	13.2
67.5°	15.4	15.5	15.6	15.6	15.6	15.5	15.4	15.2	14.8	15.1	16.5
65°	13.9	13.8	12.8	11.7	12.8	13.8	13.9	14.0	14.2	15.3	17.1
62.5°	11.3	11.7	11.7	11.7	11.7	11.7	11.3	11.1	11.0	12.4	14.6
60°	9.9	9.9	9.8	9.8	9.8	9.9	9.9	9.9	9.8	10.6	11.9
57.5°	9.8	9.8	10.6	11.7	10.6	9.8	9.8	9.8	9.8	10.0	10.5
55°	10.8	11.4	11.7	11.7	11.7	11.4	10.8	10.2	9.8	10.1	10.1
52.5°	12.3	11.9	11.7	11.7	11.7	11.9	12.3	12.4	12.1	11.8	11.6
50°	14.3	13.8	13.7	13.7	13.7	13.8	14.3	14.7	14.9	14.7	14.1
47.5°	18.7	17.9	17.5	17.6	17.5	17.9	18.7	19.1	19.3	18.9	17.6
45°	30.8	30.9	31.0	31.3	31.0	30.9	30.8	30.1	39.7	40.6	26.5
42.5°	72.5	62.8	54.2	54.8	54.2	62.8	72.5	75.5	110.1	125.3	121.3
40°	185.8	139.0	92.4	78.2	92.4	139.0	185.8	206.1	204.7	261.5	262.2
37.5°	191.3	195.2	229.6	309.0	229.6	195.2	191.3	211.8	208.8	175.2	204.6
35°	267.4	271.6	262.0	256.2	262.0	271.6	267.4	262.0	244.6	204.4	239.8
32.5°	568.7	593.9	590.7	575.0	590.7	593.9	568.7	559.8	515.5	475.3	464.5
30°	1224.8	1288.8	1281.9	1294.8	1281.9	1288.8	1224.8	1172.5	1032.5	975.3	883.1
27.5°	2198.1	2277.2	2291.7	2274.8	2291.7	2277.2	2198.1	2125.7	1943.4	1816.8	1552.4
25°	4363.3	4488.4	4442.7	4383.2	4442.7	4488.4	4363.3	3914.3	3245.7	3068.4	2721.1
22.5°	11065.4	11560.9	11509.9	11092.1	11509.9	11560.9	11065.4	8992.4	7219.1	5733.8	4700.0
20°	30401.2	33672.5	35096.1	33166.8	35096.1	33672.5	30401.2	22874.5	18624.8	12369.9	9371.1
17.5°	64348.4	74315.5	81402.3	84359.5	81402.3	74315.5	64348.4	51464.3	39897.9	27781.1	17862.2
15°	105257.4	120261.0	128986.7	127814.4	128986.7	120261.0	105257.4	87094.3	67667.7	49204.3	30293.1
12.5°	151355.0	169137.8	183875.1	184187.4	183875.1	169137.8	151355.0	127323.3	98281.5	70795.3	45865.7
10°	195943.1	220624.1	240738.6	244636.5	240738.6	220624.1	195943.1	162362.0	130082.8	94196.8	60687.2
7.5°	229394.3	267229.8	292479.4	301731.3	292479.4	267229.8	229394.3	192928.8	152275.5	111857.6	75157.8
5°	262452.1	302097.6	327825.3	332389.5	327825.3	302097.6	262452.1	210441.0	166688.5	125178.7	84428.5
2.5°	284748.9	324740.7	347254.7	362870.8	347254.7	324740.7	284748.9	227916.6	179135.1	134060.5	91069.3
0°	297809.6	330394.5	367648.2	384957.2	367648.2	330394.5	297809.6	236274.9	185393.2	139853.2	94874.6
-2.5°	287934.7	324591.9	345920.3	365589.6	345920.3	324591.9	287934.7	232539.0	181264.9	136832.5	92227.1
-5°	255229.8	295096.5	313939.2	316397.8	313939.2	295096.5	255229.8	207742.8	166511.5	126561.8	85391.2
-7.5°	208552.8	245671.8	263762.7	273749.6	263762.7	245671.8	208552.8	174416.4	142293.7	107563.2	72602.8
-10°	168825.5	190487.6	202666.1	203468.0	202666.1	190487.6	168825.5	143883.9	116775.2	86960.5	56931.4
-12.5°	130342.2	144872.3	152075.2	151811.9	152075.2	144872.3	130342.2	111215.9	86592.8	64101.1	43337.0
-15°	95647.4	106935.8	113432.9	116548.3	113432.9	106935.8	95647.4	79664.3	61513.3	43881.0	28991.6
-17.5°	67511.1	76478.7	82989.0	85619.1	82989.0	76478.7	67511.1	54752.9	42765.3	29568.7	19988.4
-20°	46024.5	52170.4	56394.1	58187.1	56394.1	52170.4	46024.5	37424.3	29287.3	20733.8	14429.6



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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°	30315.8	34436.0	37331.9	37176.4	37331.9	34436.0	30315.8	25206.2	19549.3	14505.3	10535.2
-25°	19325.9	21591.3	23078.9	23199.3	23078.9	21591.3	19325.9	16161.5	12689.1	10446.6	8331.5
-27.5°	12791.1	13787.0	14387.3	14491.5	14387.3	13787.0	12791.1	11225.3	9441.3	8357.2	7237.3
-30°	9681.2	10139.4	10482.5	10468.2	10482.5	10139.4	9681.2	8905.8	8085.7	7319.4	6594.8
-32.5°	8048.3	8273.8	8424.0	8545.5	8424.0	8273.8	8048.3	7624.5	7126.4	6640.9	6177.6
-35°	7038.4	7153.2	7237.0	7313.2	7237.0	7153.2	7038.4	6823.8	6510.9	6182.6	5855.8
-37.5°	6465.0	6544.5	6597.2	6615.0	6597.2	6544.5	6465.0	6326.5	6085.7	5839.1	5552.4
-40°	6017.3	6062.1	6088.7	6104.5	6088.7	6062.1	6017.3	5939.2	5734.7	5507.2	5187.5
-42.5°	5681.3	5742.7	5774.5	5773.9	5774.5	5742.7	5681.3	5594.7	5351.5	5035.2	4595.7
-45°	5236.1	5391.4	5485.6	5525.5	5485.6	5391.4	5236.1	5021.1	4646.2	4183.2	3666.0
-47.5°	4210.7	4505.7	4712.7	4821.4	4712.7	4505.7	4210.7	3864.6	3442.4	2979.1	2525.2
-50°	2742.7	2841.3	2882.8	2865.4	2882.8	2841.3	2742.7	2640.3	2526.5	2391.5	2259.3
-52.5°	2382.6	2417.9	2439.4	2448.8	2439.4	2417.9	2382.6	2341.1	2285.2	2190.1	2091.5
-55°	2175.5	2214.8	2240.1	2253.2	2240.1	2214.8	2175.5	2128.6	2072.9	1973.3	1868.9
-57.5°	1882.2	1913.9	1933.3	1942.2	1933.3	1913.9	1882.2	1842.2	1794.3	1709.1	1617.6
-60°	1580.9	1606.9	1624.0	1633.2	1624.0	1606.9	1580.9	1548.9	1511.3	1449.4	1378.3
-62.5°	1309.4	1328.6	1345.5	1357.4	1345.5	1328.6	1309.4	1284.1	1252.8	1201.9	1139.0
-65°	1041.4	1058.5	1070.7	1077.7	1070.7	1058.5	1041.4	1019.1	991.6	950.1	896.9
-67.5°	782.6	796.6	808.1	815.6	808.1	796.6	782.6	764.6	742.5	711.4	671.3
-70°	545.8	556.0	566.1	573.1	566.1	556.0	545.8	532.2	515.4	493.1	463.5
-72.5°	328.6	335.0	338.1	338.4	338.1	335.0	328.6	319.8	308.6	293.6	272.3
-75°	146.7	147.1	150.1	152.6	150.1	147.1	146.7	145.3	142.7	138.0	129.2
-77.5°	70.7	71.8	73.2	74.3	73.2	71.8	70.7	69.2	67.5	65.4	62.1
-80°	44.0	44.8	44.9	45.0	44.9	44.8	44.0	43.1	42.2	41.1	39.9
-82.5°	30.5	31.2	31.3	31.3	31.3	31.2	30.5	29.8	29.1	28.3	27.4
-85°	19.5	19.6	19.6	19.6	19.6	19.6	19.5	19.4	19.3	19.2	18.6
-87.5°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.6	13.6	13.6	13.5
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	9.8	9.8	9.8	9.3	8.8	8.3	7.8	7.8	7.8	7.8	7.8
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.3	2.3	2.3
80°	2.0	2.0	2.0	2.3	2.5	2.6	2.6	2.9	3.1	3.4	3.6
77.5°	2.7	2.9	3.1	3.4	3.7	4.0	4.2	4.4	4.7	4.9	4.9
75°	4.3	4.6	5.0	5.6	5.8	5.8	5.7	5.6	5.6	5.7	5.7
72.5°	9.0	9.0	9.3	9.9	9.9	10.3	10.3	9.7	8.6	7.0	5.9
70°	14.4	15.2	16.8	18.8	20.1	20.5	20.0	18.4	15.8	13.8	11.1
67.5°	18.0	19.5	22.5	26.0	28.3	30.0	31.5	31.9	30.4	27.4	19.7
65°	19.0	20.9	23.7	26.5	29.9	34.0	40.1	43.2	43.4	41.3	31.9
62.5°	16.9	19.2	21.5	24.1	27.2	31.8	38.7	45.0	51.0	52.7	42.8
60°	13.7	15.7	17.4	19.7	22.7	28.7	36.4	43.8	50.8	51.2	48.0
57.5°	11.2	12.5	14.3	15.9	17.3	22.6	30.9	41.2	49.6	48.1	46.2
55°	9.9	10.9	12.5	14.2	15.9	19.1	23.8	31.5	40.7	43.8	42.2
52.5°	11.6	11.8	12.3	13.0	14.7	16.9	19.6	25.0	29.6	33.9	36.7
50°	13.5	13.5	13.5	13.5	14.7	15.7	17.6	20.5	23.7	27.2	30.0
47.5°	17.5	17.4	15.9	15.5	17.9	17.0	17.8	19.0	22.1	23.0	26.0
45°	29.2	28.9	23.6	24.9	27.1	27.0	22.4	24.3	24.6	24.8	23.4
42.5°	95.0	65.8	50.1	45.1	42.7	42.6	39.9	37.2	34.5	30.6	30.8
40°	181.9	155.0	119.6	80.7	67.2	62.2	64.4	56.2	50.6	44.0	45.7
37.5°	199.0	141.3	163.5	150.9	110.1	102.6	104.9	89.9	70.2	82.0	80.0
35°	214.9	200.2	223.8	221.7	178.6	204.9	180.7	146.1	129.0	147.3	132.7
32.5°	403.9	416.7	395.0	372.7	376.1	372.0	329.4	247.1	249.5	248.2	218.4
30°	790.6	769.4	704.7	667.9	680.0	617.3	535.2	520.3	458.0	375.8	327.7
27.5°	1487.5	1277.9	1172.2	1193.2	1102.7	974.1	932.6	905.5	739.7	586.0	467.6
25°	2558.1	2217.6	2040.6	1948.6	1733.7	1550.4	1476.8	1375.9	1162.5	857.5	650.7
22.5°	4063.7	3685.1	3333.3	2918.9	2630.2	2400.2	2151.1	1911.2	1658.6	1249.1	928.4
20°	6547.6	5568.3	4906.4	4219.6	3686.2	3338.5	2920.8	2510.7	2162.8	1743.0	1247.9
17.5°	11551.0	8177.6	6520.8	5506.3	4797.9	4312.0	3649.1	3044.7	2646.1	2269.0	1589.9
15°	17818.4	11656.6	8414.4	6864.8	5795.6	4895.0	4217.4	3521.5	3110.3	2750.2	2002.2
12.5°	27074.1	15995.1	10167.4	7849.7	6401.3	5414.3	4697.7	4019.7	3486.2	2998.6	2296.3
10°	35506.1	21103.0	12823.5	8972.0	7059.0	5877.0	5006.7	4211.1	3588.6	3130.0	2541.4
7.5°	45535.3	26431.4	15458.8	9947.2	7620.3	6123.0	5061.1	4237.1	3649.2	3223.2	2739.3
5°	51312.7	30285.7	17269.3	10713.2	8094.7	6352.1	5082.8	4190.8	3673.4	3283.8	2892.0
2.5°	54651.4	32584.1	18313.6	11249.2	8442.8	6577.0	5140.8	4197.6	3703.0	3323.9	2950.7
0°	56577.4	32632.8	18532.5	11340.5	8518.1	6812.5	5261.5	4267.8	3728.0	3348.6	2971.1
-2.5°	54726.5	32637.9	18250.3	11154.2	8454.6	6782.3	5326.9	4343.8	3788.0	3362.8	2963.1
-5°	51049.7	30027.9	17015.7	10592.0	8063.4	6479.4	5214.6	4314.5	3773.2	3342.3	2920.7
-7.5°	44403.9	25982.2	15101.2	9793.7	7507.5	6053.3	4973.4	4163.9	3631.9	3227.5	2787.7
-10°	34743.7	20543.9	12395.7	8634.7	6794.3	5601.6	4692.6	3972.3	3472.7	3100.2	2629.7
-12.5°	26331.3	15512.0	9594.8	7253.3	5980.4	5097.4	4389.5	3765.5	3297.7	2962.8	2451.6
-15°	17675.0	11556.2	8191.8	6405.7	5321.7	4652.4	4130.4	3635.4	3234.3	2858.1	2257.5
-17.5°	13278.9	8850.4	6852.0	5754.2	4927.3	4344.4	3956.3	3570.2	3199.9	2774.8	2077.5
-20°	9805.3	7638.4	6229.4	5309.9	4658.8	4196.3	3831.3	3512.7	3145.2	2570.9	1858.9



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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°	8290.8	6907.6	5806.5	4985.4	4461.4	4070.6	3742.2	3439.1	3066.3	2301.8	1617.4
-25°	7229.5	6273.6	5485.7	4921.3	4358.0	3926.8	3654.4	3340.1	2762.5	1999.2	1391.5
-27.5°	6477.2	5798.6	5407.6	4899.1	4372.8	3891.1	3554.1	3184.6	2417.5	1720.3	1368.6
-30°	6013.9	5634.4	5288.8	4897.0	4391.2	3911.9	3481.0	2780.9	2065.2	1483.3	1351.7
-32.5°	5774.7	5438.4	5117.3	4793.3	4339.8	3847.8	3117.2	2348.1	1669.3	1455.7	1322.2
-35°	5529.3	5178.8	4854.9	4526.5	4170.9	3407.8	2629.7	1886.4	1555.2	1415.4	1282.6
-37.5°	5217.4	4843.6	4513.8	4136.7	3515.6	2794.6	2032.1	1670.6	1507.5	1363.3	1220.2
-40°	4816.4	4464.1	3941.5	3392.7	2738.9	2041.6	1775.3	1613.1	1460.2	1294.2	1144.1
-42.5°	4131.5	3653.6	3116.5	2510.5	2009.2	1854.6	1704.6	1559.2	1397.4	1221.8	1065.0
-45°	3165.9	2669.1	2198.1	2050.5	1902.6	1770.1	1643.2	1480.4	1308.4	1140.8	983.5
-47.5°	2326.1	2187.6	2053.6	1936.2	1813.9	1683.4	1529.7	1373.1	1205.9	1049.9	917.0
-50°	2140.4	2035.2	1932.4	1823.6	1678.9	1533.5	1389.4	1245.2	1098.8	968.8	843.6
-52.5°	1986.8	1871.2	1752.8	1631.0	1503.4	1369.2	1236.7	1122.6	1002.1	878.5	762.5
-55°	1760.6	1653.1	1544.9	1433.8	1324.4	1218.7	1112.6	1003.2	890.4	777.5	670.8
-57.5°	1524.3	1432.4	1344.3	1258.2	1174.8	1073.6	967.9	865.7	767.0	665.8	572.4
-60°	1304.2	1228.9	1150.8	1071.0	990.1	902.4	810.7	721.0	633.7	559.0	484.9
-62.5°	1072.1	1001.6	935.9	868.9	800.0	727.4	652.7	586.9	523.1	458.8	388.1
-65°	840.1	780.1	723.8	674.9	625.3	574.8	517.9	459.8	402.5	347.0	284.9
-67.5°	629.6	586.9	546.8	506.2	462.1	415.8	366.8	319.1	278.2	238.1	189.7
-70°	431.1	396.0	360.7	325.1	292.5	262.0	231.1	198.9	165.4	139.3	113.2
-72.5°	249.5	225.3	201.7	179.5	156.4	140.8	126.0	109.1	90.8	70.9	56.3
-75°	119.6	109.1	98.7	89.2	78.5	66.5	59.8	55.3	50.8	46.2	41.6
-77.5°	58.8	55.4	52.3	49.9	47.3	44.3	41.0	38.0	36.1	34.2	32.4
-80°	38.7	37.3	35.9	34.5	33.2	31.9	30.6	29.3	28.0	26.8	25.6
-82.5°	26.5	25.6	24.6	24.1	23.4	22.8	22.1	21.3	20.5	19.6	18.8
-85°	18.0	17.4	16.9	16.6	16.3	15.9	15.5	15.2	14.8	14.5	14.1
-87.5°	13.5	13.4	13.3	12.8	12.2	11.6	11.0	10.9	10.8	10.7	10.6
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



REPORT NUMBER: P701587 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	7.8	7.8	7.8	7.8	7.3	6.9	6.4	5.9	5.9	5.9	5.9
87.5°	2.0	2.0	2.0	2.0	2.5	3.0	3.4	3.9	3.9	3.9	3.9
85°	2.2	2.3	2.3	2.3	2.6	3.0	3.4	3.9	3.9	3.9	3.9
82.5°	2.6	2.9	3.2	3.4	3.4	3.4	3.6	3.9	4.0	3.9	3.9
80°	3.5	3.5	3.7	3.9	3.9	3.9	3.8	3.9	4.2	4.3	4.2
77.5°	4.4	4.1	3.9	3.9	3.9	3.9	3.9	4.0	4.4	4.7	4.7
75°	5.2	4.6	4.1	4.0	4.0	3.9	3.9	4.1	4.5	5.0	5.2
72.5°	5.7	5.2	4.5	4.1	4.4	4.5	4.2	4.1	4.6	5.1	5.6
70°	8.4	6.4	5.5	5.1	5.0	5.1	5.0	4.7	4.7	5.1	5.6
67.5°	12.8	9.7	7.5	6.1	5.6	5.5	5.8	5.4	5.1	5.2	5.7
65°	22.9	15.4	9.6	7.7	6.4	5.8	5.9	5.9	5.6	5.5	5.7
62.5°	32.7	22.9	15.6	10.2	7.2	6.2	5.9	6.1	6.0	5.7	5.8
60°	42.7	31.9	22.2	15.6	9.9	6.4	6.1	6.4	6.3	5.9	5.9
57.5°	43.1	39.5	31.2	21.9	14.5	8.6	6.3	6.7	6.7	6.3	5.9
55°	41.0	39.0	37.4	29.8	20.0	12.5	7.9	7.2	7.2	6.7	6.0
52.5°	36.5	38.4	38.8	35.5	26.9	17.0	11.5	7.7	7.7	7.3	6.5
50°	31.6	36.8	39.7	38.2	32.8	23.4	14.8	10.3	8.3	7.8	7.0
47.5°	29.7	35.7	39.9	40.8	36.4	29.7	19.9	12.9	9.0	8.5	7.6
45°	30.0	34.9	40.3	42.3	40.4	34.1	25.4	15.3	11.1	9.1	8.1
42.5°	32.4	36.7	40.2	44.6	43.1	37.7	30.7	19.7	12.9	9.7	8.6
40°	43.9	41.0	41.8	46.7	46.2	41.2	34.1	24.3	14.6	10.6	9.2
37.5°	59.4	52.1	47.3	53.3	51.0	44.8	37.1	28.7	16.7	11.9	9.6
35°	101.4	69.8	69.4	69.7	60.6	49.0	40.0	32.3	20.7	13.0	10.1
32.5°	154.7	120.4	117.3	97.6	73.9	53.8	43.6	35.5	24.7	14.1	10.6
30°	257.7	231.6	183.4	133.7	94.6	66.4	48.7	38.8	28.7	15.1	11.1
27.5°	427.1	368.8	273.1	194.7	129.4	82.6	55.8	42.2	32.6	16.8	11.9
25°	602.1	527.8	406.2	272.9	169.6	115.3	64.0	45.8	35.8	19.9	12.6
22.5°	771.6	693.1	556.5	361.8	228.4	157.4	81.8	52.2	38.6	22.9	13.3
20°	936.6	862.5	710.2	442.9	297.5	208.9	112.5	59.1	41.3	25.8	13.8
17.5°	1118.8	992.7	796.6	537.8	366.0	260.8	148.0	66.3	44.0	28.4	14.3
15°	1342.7	1069.8	879.8	622.2	427.0	312.7	187.0	73.7	46.7	30.9	14.9
12.5°	1543.1	1141.1	961.9	696.2	481.0	363.9	228.2	81.2	49.2	33.8	15.7
10°	1731.3	1206.6	1041.0	760.0	528.7	413.9	270.3	89.5	53.2	36.9	16.6
7.5°	1903.2	1266.6	1115.5	814.1	567.7	448.3	296.4	99.7	57.3	39.9	17.4
5°	2043.4	1314.2	1167.4	850.8	586.9	464.9	315.4	109.6	61.3	42.6	18.2
2.5°	2109.3	1346.9	1199.3	878.5	603.1	477.8	329.3	118.8	65.1	44.9	18.9
0°	2143.7	1375.0	1220.5	897.8	616.1	487.0	338.4	127.1	68.5	46.9	19.6
-2.5°	2148.7	1381.2	1225.9	917.4	636.6	500.4	350.4	149.7	86.1	57.7	25.7
-5°	2121.8	1382.1	1222.0	928.5	653.1	510.0	358.3	170.9	102.9	67.8	31.6
-7.5°	2029.7	1361.2	1201.1	929.4	664.8	515.9	363.0	190.4	118.7	77.1	37.0
-10°	1899.8	1324.7	1160.6	913.6	675.9	524.2	366.8	207.9	133.2	85.4	42.0
-12.5°	1741.0	1283.7	1119.1	894.5	684.2	535.6	379.1	225.6	146.0	92.4	46.2
-15°	1554.3	1238.3	1079.0	873.7	689.1	544.7	387.8	241.3	157.7	98.6	49.7
-17.5°	1349.1	1188.8	1042.3	852.6	690.8	552.1	392.8	253.2	167.5	104.0	52.9
-20°	1303.5	1159.4	1010.0	832.6	689.6	558.0	394.3	261.2	175.2	107.7	55.7



REPORT NUMBER: P701587 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1286.1	1146.1	989.2	823.5	687.8	562.9	392.4	264.8	180.7	109.4	57.3
-25°	1268.0	1130.1	965.7	810.6	687.5	556.2	391.3	263.7	183.7	109.1	57.5
-27.5°	1246.8	1107.7	936.4	790.2	673.7	545.9	388.8	266.2	183.8	106.6	56.4
-30°	1222.8	1069.7	906.7	764.7	654.7	518.1	380.1	265.7	180.5	104.2	53.9
-32.5°	1188.7	1025.8	869.7	739.9	623.5	487.7	360.4	261.9	174.3	101.1	52.1
-35°	1130.8	975.2	825.1	709.2	587.0	459.1	339.6	254.6	164.9	95.9	49.8
-37.5°	1066.6	917.7	785.8	670.7	548.9	427.7	323.5	238.4	152.5	88.6	46.4
-40°	999.0	861.6	742.5	627.6	510.9	393.6	304.1	218.2	140.9	79.2	41.8
-42.5°	927.6	809.0	694.7	583.2	470.9	368.2	280.9	195.1	126.1	71.1	35.9
-45°	864.6	751.7	642.9	535.2	429.9	339.2	251.8	170.0	108.8	63.0	31.2
-47.5°	796.9	691.4	586.4	483.1	393.1	305.5	219.4	147.9	89.6	53.4	29.1
-50°	727.8	626.1	525.3	434.1	350.9	265.3	185.6	123.4	76.2	41.8	26.7
-52.5°	654.5	555.2	465.9	383.9	301.4	221.5	154.8	97.6	61.7	35.6	23.8
-55°	571.7	486.4	406.8	325.9	247.3	181.0	121.3	79.6	46.1	31.6	20.8
-57.5°	493.4	417.6	338.3	261.7	196.0	139.0	94.2	60.3	38.6	27.4	19.7
-60°	411.8	336.2	263.0	201.4	145.9	102.6	70.7	44.6	33.4	23.6	18.5
-62.5°	318.5	252.2	195.0	142.2	103.8	73.9	49.1	38.2	27.8	22.0	17.3
-65°	229.3	176.2	127.9	98.2	70.2	49.6	41.2	31.4	25.0	20.3	16.0
-67.5°	142.8	112.7	84.8	59.2	48.1	40.6	33.0	27.6	22.9	18.5	15.1
-70°	87.1	62.7	51.3	44.9	38.2	32.1	28.8	24.9	20.6	17.2	14.1
-72.5°	50.7	45.2	39.8	34.4	31.2	28.2	25.3	22.2	18.9	15.9	13.0
-75°	37.1	34.3	31.8	29.2	26.6	24.1	22.2	20.1	17.2	14.4	11.9
-77.5°	30.3	28.2	26.0	24.1	22.4	20.9	19.4	17.9	15.3	12.9	10.8
-80°	24.0	22.5	21.1	19.8	18.6	17.6	16.7	15.6	13.4	11.4	9.5
-82.5°	17.8	17.2	16.6	15.9	15.3	14.6	14.0	13.2	11.4	9.8	8.4
-85°	13.8	13.4	13.0	12.6	12.1	11.7	11.3	10.8	9.6	8.5	7.6
-87.5°	10.4	10.3	10.2	10.0	9.7	9.3	8.8	8.3	7.7	7.2	6.8
-90°	2.0	2.0	2.0	2.0	2.5	3.0	3.4	3.9	3.9	3.9	3.9



REPORT NUMBER: P701587 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	5.9	5.9	5.9	5.9	5.9	4.9	3.9
87.5°	3.9	4.0	4.1	4.1	4.1	4.0	3.9
85°	3.9	4.1	4.2	4.3	4.2	4.1	3.9
82.5°	3.9	4.2	4.4	4.5	4.4	4.2	3.9
80°	4.0	4.4	4.6	4.7	4.6	4.2	3.9
77.5°	4.5	4.6	4.8	4.9	4.8	4.3	3.9
75°	5.0	4.9	5.0	5.1	4.9	4.4	3.9
72.5°	5.5	5.2	5.2	5.3	5.1	4.5	3.9
70°	5.9	5.5	5.3	5.5	5.3	4.6	3.9
67.5°	5.9	5.8	5.5	5.6	5.4	4.7	3.9
65°	5.9	5.9	5.6	5.6	5.6	4.7	3.9
62.5°	5.9	5.9	5.8	5.7	5.7	4.8	3.9
60°	5.9	5.9	5.9	5.7	5.9	4.9	3.9
57.5°	6.0	5.9	5.9	5.8	5.9	5.0	3.9
55°	6.1	5.9	5.9	5.8	5.9	5.0	3.9
52.5°	6.3	5.9	5.9	5.9	5.9	5.1	3.9
50°	6.4	6.1	5.9	5.9	5.9	5.2	3.9
47.5°	6.7	6.3	5.9	5.9	5.9	5.3	3.9
45°	7.1	6.5	5.9	5.9	5.9	5.3	3.9
42.5°	7.6	6.7	5.9	5.9	5.9	5.4	3.9
40°	8.0	7.0	6.0	5.9	5.9	5.4	3.9
37.5°	8.4	7.2	6.2	5.9	5.9	5.5	3.9
35°	8.8	7.5	6.4	5.9	5.9	5.5	3.9
32.5°	9.2	7.9	6.6	5.9	5.9	5.6	3.9
30°	9.6	8.2	6.8	5.9	5.9	5.6	3.9
27.5°	10.0	8.5	6.9	5.9	5.9	5.7	3.9
25°	10.3	8.8	7.1	5.9	5.9	5.7	3.9
22.5°	10.6	9.0	7.2	5.9	5.9	5.7	3.9
20°	11.0	9.2	7.3	5.9	5.9	5.8	3.9
17.5°	11.3	9.3	7.4	5.9	5.9	5.8	3.9
15°	11.6	9.5	7.5	5.9	5.9	5.8	3.9
12.5°	12.0	9.6	7.6	5.9	5.9	5.9	3.9
10°	12.4	9.6	7.7	5.9	5.9	5.9	3.9
7.5°	12.7	9.7	7.7	5.9	5.9	5.9	3.9
5°	13.1	9.8	7.8	5.9	5.9	5.9	3.9
2.5°	13.4	9.8	7.8	5.9	5.9	5.9	3.9
0°	13.7	9.8	7.8	5.9	5.9	5.9	3.9
-2.5°	16.0	10.7	8.1	6.2	6.0	5.9	3.9
-5°	18.3	11.5	8.5	6.4	6.1	5.9	3.9
-7.5°	20.3	12.2	8.8	6.7	6.1	5.9	3.9
-10°	22.2	13.0	9.1	6.9	6.2	5.9	3.9
-12.5°	23.9	13.6	9.3	7.1	6.3	5.9	3.9
-15°	25.2	14.1	9.6	7.3	6.4	5.8	3.9
-17.5°	26.2	14.6	9.8	7.5	6.4	5.8	3.9
-20°	27.2	14.9	10.0	7.7	6.5	5.8	3.9



REPORT NUMBER: P701587 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-08-0640L-57-80-3S-CV1-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	28.1	15.1	10.2	7.9	6.5	5.8	3.9
-25°	28.4	15.3	10.4	8.0	6.6	5.8	3.9
-27.5°	28.0	15.4	10.6	8.1	6.6	5.7	3.9
-30°	26.8	15.3	10.7	8.2	6.6	5.7	3.9
-32.5°	24.9	15.0	10.8	8.3	6.6	5.7	3.9
-35°	23.9	14.6	10.8	8.3	6.6	5.6	3.9
-37.5°	23.3	14.2	10.8	8.3	6.6	5.6	3.9
-40°	22.5	14.2	10.8	8.3	6.5	5.6	3.9
-42.5°	21.3	14.1	10.7	8.3	6.5	5.6	3.9
-45°	19.8	13.9	10.6	8.2	6.5	5.5	3.9
-47.5°	18.1	13.6	10.4	8.1	6.4	5.5	3.9
-50°	17.4	13.2	10.3	7.9	6.3	5.5	3.9
-52.5°	16.8	12.8	10.1	7.8	6.2	5.4	3.9
-55°	16.1	12.4	9.8	7.6	6.1	5.4	3.9
-57.5°	15.3	12.0	9.5	7.5	6.0	5.4	3.9
-60°	14.4	11.6	9.2	7.3	5.9	5.3	3.9
-62.5°	13.7	11.1	8.9	7.1	5.9	5.3	3.9
-65°	13.0	10.6	8.5	6.8	5.9	5.3	3.9
-67.5°	12.3	10.0	8.1	6.6	5.9	5.2	3.9
-70°	11.5	9.5	7.7	6.3	5.9	5.2	3.9
-72.5°	10.6	8.8	7.3	6.3	5.9	5.2	3.9
-75°	9.7	8.2	6.9	6.2	5.9	5.1	3.9
-77.5°	8.8	7.5	6.7	6.2	5.9	5.1	3.9
-80°	7.9	7.1	6.5	6.1	5.9	5.1	3.9
-82.5°	7.4	6.8	6.4	6.1	5.9	5.0	3.9
-85°	6.9	6.5	6.2	6.0	5.9	5.0	3.9
-87.5°	6.4	6.2	6.1	6.0	5.9	4.9	3.9
-90°	3.9	3.9	3.9	3.9	3.9	3.9	3.9

(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

