

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: LUMIERE

Report Number: P220383 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220383 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29418)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

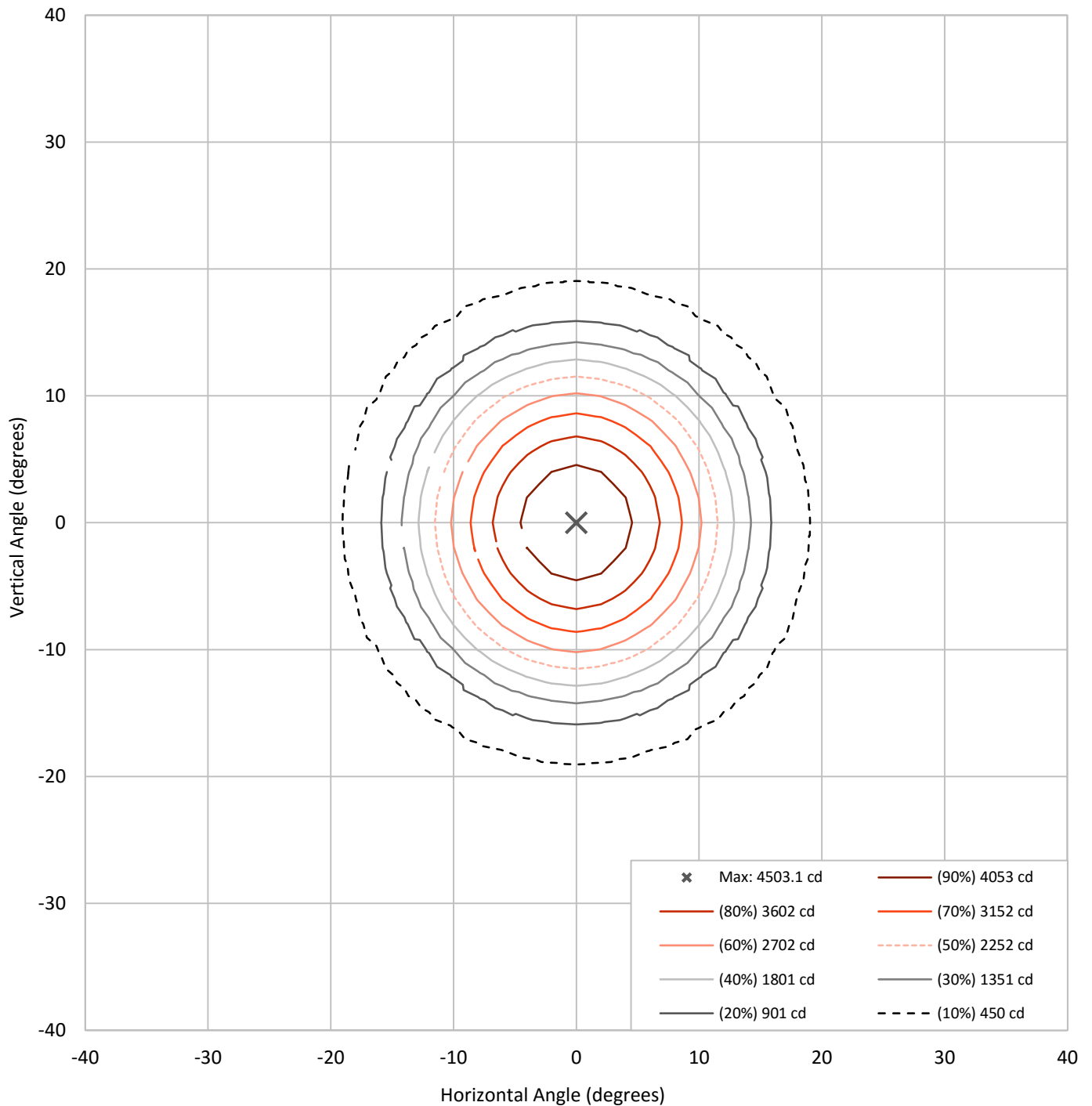
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	823.5 lumens	Max Intensity:	4503.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	82.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	23.1°H x 23.1°V	Field Angle (10%):	38.1°H x 38.1°V
Beam Lumens:	419.5 lumens	Field Lumens:	645 lumens
Beam Efficiency:	50.9%	Field Efficiency:	78.3%

Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): 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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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV

Iso-Candela Plot





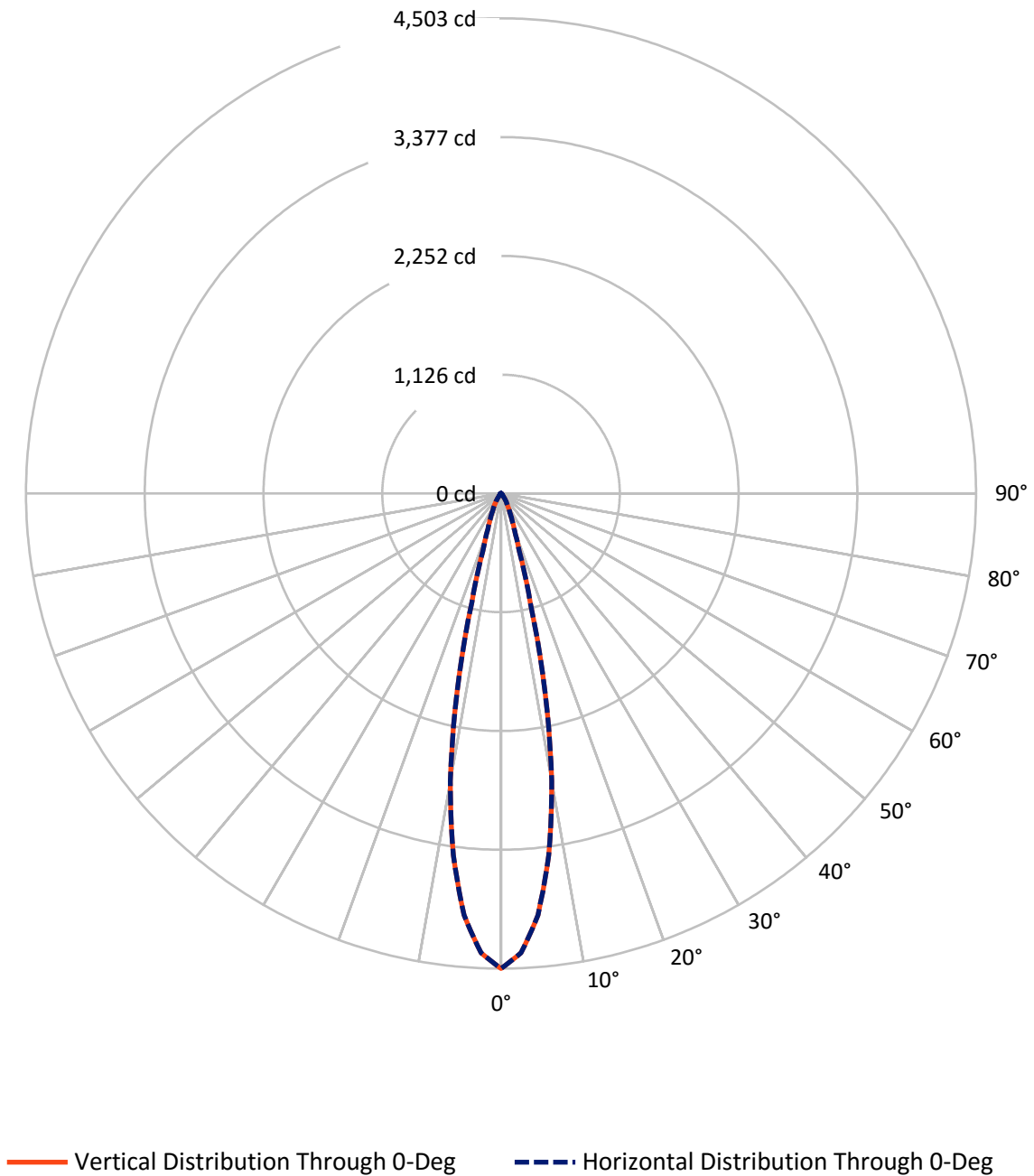
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Lumen Table

90	0.0	0.1	0.2	0.2	0.3	0.2	0.2	0.1	0.0									
80	0.0	0.1	0.2	0.2	0.3	0.2	0.2	0.1	0.0									
70	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0		
60		0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0			
50	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.0		
40		0.1	0.1	0.1	0.3	0.5	1.1	1.7	1.7	1.1	0.5	0.3	0.1	0.1	0.1			
30	0.1	0.1	0.1	0.2	0.5	1.7	3.9	6.1	6.1	3.9	1.7	0.5	0.2	0.1	0.1	0.1		
20		0.1	0.1	0.2	1.0	3.7	11.0	31.4	31.4	11.0	3.7	1.0	0.2	0.1	0.1			
10	0.1	0.1	0.1	0.3	1.4	5.6	30.6	99.9	99.9	30.6	5.6	1.4	0.3	0.1	0.1	0.1		
0		0.1	0.1	0.3	1.4	5.6	30.6	99.9	99.9	30.6	5.6	1.4	0.3	0.1	0.1			
-10	0.1	0.1	0.1	0.2	1.0	3.7	11.0	31.4	31.4	11.0	3.7	1.0	0.2	0.1	0.1	0.1		
-20		0.1	0.1	0.2	0.5	1.7	3.9	6.1	6.1	3.9	1.7	0.5	0.2	0.1	0.1			
-30	0.0	0.1	0.1	0.1	0.3	0.5	1.1	1.7	1.7	1.1	0.5	0.3	0.1	0.1	0.1	0.0		
-40		0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1			
-50	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0		
-60		0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0			
-70	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0		
-80		0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0			
-90	0.0	0.1	0.2	0.2	0.3	0.2	0.2	0.1	0.0									

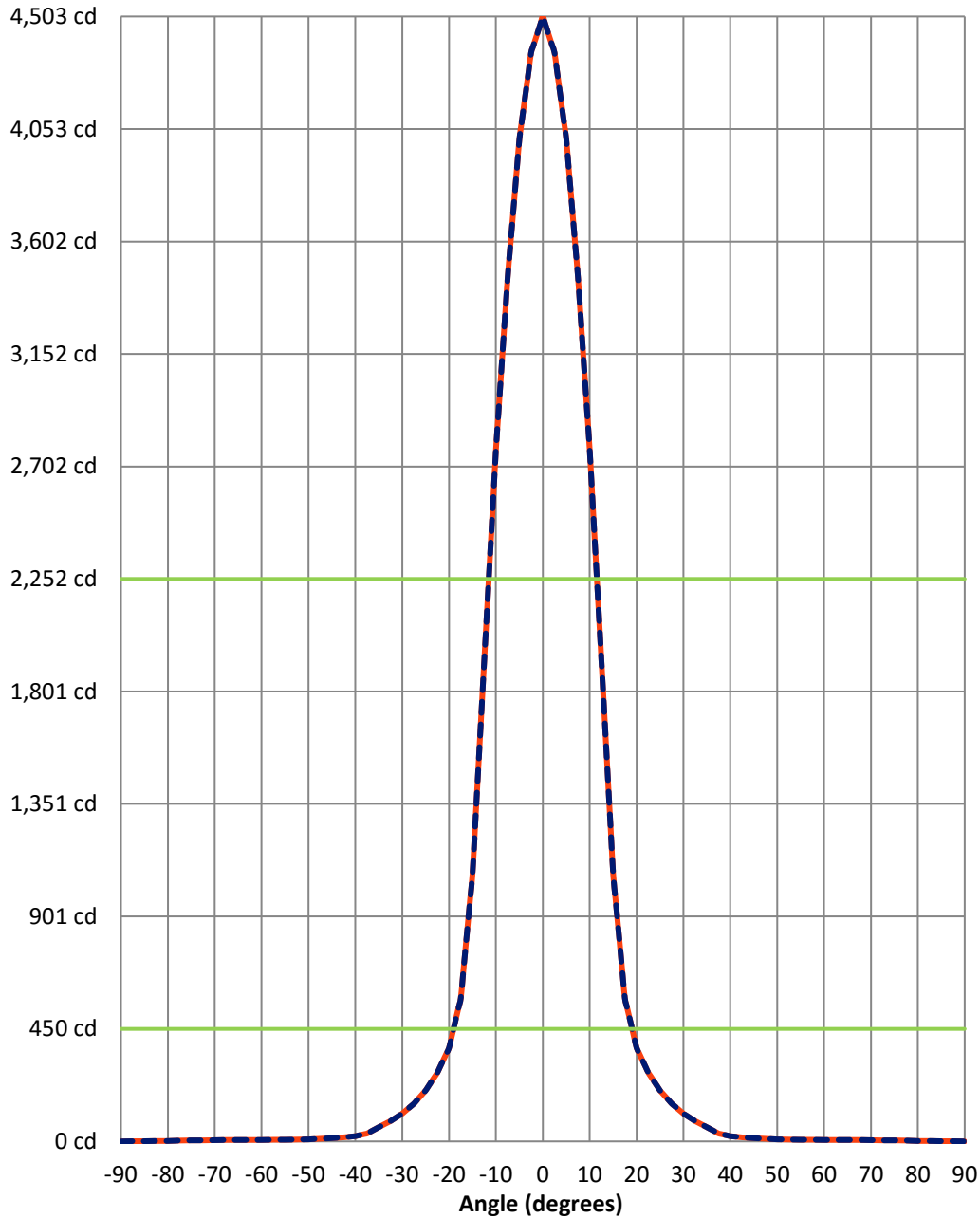
REPORT NUMBER: P220383 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 23.1°
 V Angle: 23.1°
 Lumens: 419.5
 Efficiency: 50.9%

Field:
 H Angle: 38.1°
 V Angle: 38.1°
 Lumens: 645
 Efficiency: 78.3%

Spill:
 Lumens: 178.5
 Efficiency: 21.7%

- 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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8
80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.2	0.3	0.5	0.7	0.8	0.8	0.8	0.8	0.8	0.9
75°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.8	1.0	1.2
72.5°	0.0	0.2	0.5	0.7	0.8	0.8	0.8	0.9	1.1	1.3	1.5
70°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	1.1	1.3	1.6	1.6
67.5°	0.0	0.3	0.6	0.8	0.8	0.8	1.0	1.3	1.6	1.6	1.6
65°	0.0	0.3	0.7	0.8	0.8	0.9	1.2	1.5	1.6	1.6	1.8
62.5°	0.0	0.4	0.7	0.8	0.8	1.0	1.4	1.6	1.6	1.7	2.5
60°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.3	3.1
57.5°	0.0	0.4	0.8	0.8	0.9	1.3	1.6	1.6	2.0	2.9	3.5
55°	0.0	0.5	0.8	0.8	1.0	1.5	1.6	1.6	2.5	3.4	3.8
52.5°	0.0	0.5	0.8	0.8	1.1	1.6	1.6	2.0	3.0	3.6	4.1
50°	0.0	0.5	0.8	0.8	1.3	1.6	1.6	2.4	3.4	3.9	4.1
47.5°	0.0	0.5	0.8	0.8	1.4	1.6	1.6	2.8	3.6	4.1	4.1
45°	0.0	0.6	0.8	0.9	1.5	1.6	2.0	3.1	3.8	4.1	4.1
42.5°	0.0	0.6	0.8	1.0	1.6	1.6	2.3	3.4	4.0	4.1	4.3
40°	0.0	0.6	0.8	1.0	1.6	1.6	2.6	3.6	4.1	4.1	4.5
37.5°	0.0	0.6	0.8	1.1	1.6	1.6	2.9	3.7	4.1	4.2	4.8
35°	0.0	0.7	0.8	1.2	1.6	1.7	3.1	3.9	4.1	4.3	5.0
32.5°	0.0	0.7	0.8	1.2	1.6	2.0	3.3	4.0	4.1	4.5	5.2
30°	0.0	0.7	0.8	1.3	1.6	2.1	3.4	4.1	4.1	4.7	5.4
27.5°	0.0	0.7	0.8	1.3	1.6	2.3	3.5	4.1	4.2	4.8	5.5
25°	0.0	0.7	0.8	1.4	1.6	2.5	3.6	4.1	4.3	5.0	5.7
22.5°	0.0	0.7	0.8	1.4	1.6	2.6	3.7	4.1	4.4	5.1	5.7
20°	0.0	0.8	0.8	1.5	1.6	2.8	3.8	4.1	4.5	5.2	5.7
17.5°	0.0	0.8	0.8	1.5	1.6	2.9	3.9	4.1	4.6	5.3	5.7
15°	0.0	0.8	0.8	1.5	1.6	3.0	3.9	4.1	4.7	5.4	5.7
12.5°	0.0	0.8	0.8	1.5	1.6	3.1	4.0	4.1	4.7	5.5	5.7
10°	0.0	0.8	0.8	1.6	1.6	3.2	4.0	4.1	4.8	5.6	5.7
7.5°	0.0	0.8	0.8	1.6	1.6	3.2	4.1	4.1	4.8	5.6	5.7
5°	0.0	0.8	0.8	1.6	1.6	3.3	4.1	4.1	4.9	5.7	5.7
2.5°	0.0	0.8	0.8	1.6	1.6	3.3	4.1	4.1	4.9	5.7	5.7
0°	0.0	0.8	0.8	1.6	1.6	3.3	4.1	4.1	4.9	5.7	5.7
-2.5°	0.0	0.8	0.8	1.6	1.6	3.3	4.1	4.1	4.9	5.7	5.7
-5°	0.0	0.8	0.8	1.6	1.6	3.3	4.1	4.1	4.9	5.7	5.7
-7.5°	0.0	0.8	0.8	1.6	1.6	3.2	4.1	4.1	4.8	5.6	5.7
-10°	0.0	0.8	0.8	1.6	1.6	3.2	4.0	4.1	4.8	5.6	5.7
-12.5°	0.0	0.8	0.8	1.5	1.6	3.1	4.0	4.1	4.7	5.5	5.7
-15°	0.0	0.8	0.8	1.5	1.6	3.0	3.9	4.1	4.7	5.4	5.7
-17.5°	0.0	0.8	0.8	1.5	1.6	2.9	3.9	4.1	4.6	5.3	5.7
-20°	0.0	0.8	0.8	1.5	1.6	2.8	3.8	4.1	4.5	5.2	5.7



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	0.7	0.8	1.4	1.6	2.6	3.7	4.1	4.4	5.1	5.7
-25°	0.0	0.7	0.8	1.4	1.6	2.5	3.6	4.1	4.3	5.0	5.7
-27.5°	0.0	0.7	0.8	1.3	1.6	2.3	3.5	4.1	4.2	4.8	5.5
-30°	0.0	0.7	0.8	1.3	1.6	2.1	3.4	4.1	4.1	4.7	5.4
-32.5°	0.0	0.7	0.8	1.2	1.6	2.0	3.3	4.0	4.1	4.5	5.2
-35°	0.0	0.7	0.8	1.2	1.6	1.7	3.1	3.9	4.1	4.3	5.0
-37.5°	0.0	0.6	0.8	1.1	1.6	1.6	2.9	3.7	4.1	4.2	4.8
-40°	0.0	0.6	0.8	1.0	1.6	1.6	2.6	3.6	4.1	4.1	4.5
-42.5°	0.0	0.6	0.8	1.0	1.6	1.6	2.3	3.4	4.0	4.1	4.3
-45°	0.0	0.6	0.8	0.9	1.5	1.6	2.0	3.1	3.8	4.1	4.1
-47.5°	0.0	0.5	0.8	0.8	1.4	1.6	1.6	2.8	3.6	4.1	4.1
-50°	0.0	0.5	0.8	0.8	1.3	1.6	1.6	2.4	3.4	3.9	4.1
-52.5°	0.0	0.5	0.8	0.8	1.1	1.6	1.6	2.0	3.0	3.6	4.1
-55°	0.0	0.5	0.8	0.8	1.0	1.5	1.6	1.6	2.5	3.4	3.8
-57.5°	0.0	0.4	0.8	0.8	0.9	1.3	1.6	1.6	2.0	2.9	3.5
-60°	0.0	0.4	0.8	0.8	0.8	1.2	1.6	1.6	1.6	2.3	3.1
-62.5°	0.0	0.4	0.7	0.8	0.8	1.0	1.4	1.6	1.6	1.7	2.5
-65°	0.0	0.3	0.7	0.8	0.8	0.9	1.2	1.5	1.6	1.6	1.8
-67.5°	0.0	0.3	0.6	0.8	0.8	0.8	1.0	1.3	1.6	1.6	1.6
-70°	0.0	0.3	0.5	0.8	0.8	0.8	0.8	1.1	1.3	1.6	1.6
-72.5°	0.0	0.2	0.5	0.7	0.8	0.8	0.8	0.9	1.1	1.3	1.5
-75°	0.0	0.2	0.4	0.6	0.8	0.8	0.8	0.8	0.8	1.0	1.2
-77.5°	0.0	0.2	0.3	0.5	0.7	0.8	0.8	0.8	0.8	0.8	0.9
-80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.8
-82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.8
-85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
-87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
85°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.0	1.1
80°	0.8	0.8	0.9	1.0	1.1	1.3	1.4	1.5	1.6	1.6	1.6
77.5°	1.0	1.2	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6
75°	1.4	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.3	2.6	2.9
72.5°	1.6	1.6	1.6	1.6	2.0	2.4	2.8	3.1	3.4	3.6	3.7
70°	1.6	1.6	2.0	2.5	3.0	3.4	3.6	3.8	4.0	4.1	4.1
67.5°	1.7	2.3	2.9	3.4	3.6	3.9	4.1	4.1	4.1	4.1	4.2
65°	2.5	3.1	3.5	3.8	4.1	4.1	4.1	4.1	4.3	4.5	4.8
62.5°	3.2	3.6	3.9	4.1	4.1	4.1	4.3	4.6	4.9	5.1	5.4
60°	3.6	3.9	4.1	4.1	4.2	4.5	4.8	5.1	5.4	5.7	5.7
57.5°	3.9	4.1	4.1	4.2	4.6	5.0	5.3	5.6	5.7	5.7	5.7
55°	4.1	4.1	4.2	4.6	5.0	5.4	5.7	5.7	5.7	5.7	5.7
52.5°	4.1	4.2	4.6	5.0	5.5	5.7	5.7	5.7	5.7	5.7	5.7
50°	4.1	4.5	5.0	5.4	5.7	5.7	5.7	5.7	5.7	5.7	5.9
47.5°	4.3	4.8	5.3	5.7	5.7	5.7	5.7	5.7	5.7	6.1	6.5
45°	4.6	5.1	5.6	5.7	5.7	5.7	5.7	5.7	6.2	6.5	6.5
42.5°	4.9	5.4	5.7	5.7	5.7	5.7	5.7	6.2	6.5	6.5	6.8
40°	5.1	5.7	5.7	5.7	5.7	5.7	6.1	6.5	6.5	6.8	7.3
37.5°	5.4	5.7	5.7	5.7	5.7	5.9	6.5	6.5	6.8	7.3	7.8
35°	5.6	5.7	5.7	5.7	5.7	6.3	6.5	6.6	7.2	7.7	8.6
32.5°	5.7	5.7	5.7	5.7	6.0	6.5	6.5	7.0	7.6	8.3	10.1
30°	5.7	5.7	5.7	5.7	6.3	6.5	6.8	7.4	8.0	9.7	11.5
27.5°	5.7	5.7	5.7	5.9	6.5	6.5	7.1	7.7	8.9	10.9	12.7
25°	5.7	5.7	5.7	6.1	6.5	6.7	7.4	8.1	10.0	12.0	14.3
22.5°	5.7	5.7	5.7	6.3	6.5	7.0	7.7	8.9	11.0	13.1	15.8
20°	5.7	5.7	5.8	6.5	6.5	7.2	7.9	9.7	11.9	14.4	17.6
17.5°	5.7	5.7	6.0	6.5	6.7	7.4	8.2	10.5	12.7	15.6	19.5
15°	5.7	5.7	6.1	6.5	6.8	7.6	8.8	11.2	13.5	16.7	21.2
12.5°	5.7	5.7	6.2	6.5	7.0	7.7	9.4	11.7	14.4	18.0	24.3
10°	5.7	5.7	6.3	6.5	7.1	7.9	9.8	12.2	15.1	19.1	27.0
7.5°	5.7	5.7	6.4	6.5	7.2	8.0	10.2	12.5	15.6	20.0	29.0
5°	5.7	5.7	6.5	6.5	7.2	8.0	10.4	12.8	16.0	20.6	30.5
2.5°	5.7	5.7	6.5	6.5	7.3	8.1	10.6	12.9	16.2	21.0	31.4
0°	5.7	5.7	6.5	6.5	7.3	8.1	10.6	13.0	16.3	21.1	31.7
-2.5°	5.7	5.7	6.5	6.5	7.3	8.1	10.6	12.9	16.2	21.0	31.4
-5°	5.7	5.7	6.5	6.5	7.2	8.0	10.4	12.8	16.0	20.6	30.5
-7.5°	5.7	5.7	6.4	6.5	7.2	8.0	10.2	12.5	15.6	20.0	29.0
-10°	5.7	5.7	6.3	6.5	7.1	7.9	9.8	12.2	15.1	19.1	27.0
-12.5°	5.7	5.7	6.2	6.5	7.0	7.7	9.4	11.7	14.4	18.0	24.3
-15°	5.7	5.7	6.1	6.5	6.8	7.6	8.8	11.2	13.5	16.7	21.2
-17.5°	5.7	5.7	6.0	6.5	6.7	7.4	8.2	10.5	12.7	15.6	19.5
-20°	5.7	5.7	5.8	6.5	6.5	7.2	7.9	9.7	11.9	14.4	17.6



REPORT NUMBER: P220383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	5.7	5.7	5.7	6.3	6.5	7.0	7.7	8.9	11.0	13.1	15.8
-25°	5.7	5.7	5.7	6.1	6.5	6.7	7.4	8.1	10.0	12.0	14.3
-27.5°	5.7	5.7	5.7	5.9	6.5	6.5	7.1	7.7	8.9	10.9	12.7
-30°	5.7	5.7	5.7	5.7	6.3	6.5	6.8	7.4	8.0	9.7	11.5
-32.5°	5.7	5.7	5.7	5.7	6.0	6.5	6.5	7.0	7.6	8.3	10.1
-35°	5.6	5.7	5.7	5.7	5.7	6.3	6.5	6.6	7.2	7.7	8.6
-37.5°	5.4	5.7	5.7	5.7	5.7	5.9	6.5	6.5	6.8	7.3	7.8
-40°	5.1	5.7	5.7	5.7	5.7	5.7	6.1	6.5	6.5	6.8	7.3
-42.5°	4.9	5.4	5.7	5.7	5.7	5.7	5.7	6.2	6.5	6.5	6.8
-45°	4.6	5.1	5.6	5.7	5.7	5.7	5.7	5.7	6.2	6.5	6.5
-47.5°	4.3	4.8	5.3	5.7	5.7	5.7	5.7	5.7	5.7	6.1	6.5
-50°	4.1	4.5	5.0	5.4	5.7	5.7	5.7	5.7	5.7	5.7	5.9
-52.5°	4.1	4.2	4.6	5.0	5.5	5.7	5.7	5.7	5.7	5.7	5.7
-55°	4.1	4.1	4.2	4.6	5.0	5.4	5.7	5.7	5.7	5.7	5.7
-57.5°	3.9	4.1	4.1	4.2	4.6	5.0	5.3	5.6	5.7	5.7	5.7
-60°	3.6	3.9	4.1	4.1	4.2	4.5	4.8	5.1	5.4	5.7	5.7
-62.5°	3.2	3.6	3.9	4.1	4.1	4.1	4.3	4.6	4.9	5.1	5.4
-65°	2.5	3.1	3.5	3.8	4.1	4.1	4.1	4.1	4.3	4.5	4.8
-67.5°	1.7	2.3	2.9	3.4	3.6	3.9	4.1	4.1	4.1	4.1	4.2
-70°	1.6	1.6	2.0	2.5	3.0	3.4	3.6	3.8	4.0	4.1	4.1
-72.5°	1.6	1.6	1.6	1.6	2.0	2.4	2.8	3.1	3.4	3.6	3.7
-75°	1.4	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.3	2.6	2.9
-77.5°	1.0	1.2	1.3	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-80°	0.8	0.8	0.9	1.0	1.1	1.3	1.4	1.5	1.6	1.6	1.6
-82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.0	1.1
-85°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.6
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.7	2.0	2.1	2.3	2.5	2.6	2.8	2.9	3.0	3.1	3.2
75°	3.1	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.0
72.5°	3.9	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
70°	4.1	4.1	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8
67.5°	4.3	4.5	4.7	4.8	5.0	5.1	5.2	5.3	5.4	5.5	5.6
65°	5.0	5.2	5.4	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7
62.5°	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
60°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
57.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.8	6.0	6.1	6.2	6.3
55°	5.7	5.7	5.7	5.9	6.1	6.3	6.5	6.5	6.5	6.5	6.5
52.5°	5.7	6.0	6.3	6.5	6.5	6.5	6.5	6.7	6.8	7.0	7.1
50°	6.3	6.5	6.5	6.5	6.7	7.0	7.2	7.4	7.6	7.7	7.9
47.5°	6.5	6.5	6.8	7.1	7.4	7.7	7.9	8.2	8.8	9.4	9.8
45°	6.6	7.0	7.4	7.7	8.1	8.9	9.7	10.5	11.2	11.7	12.2
42.5°	7.2	7.6	8.0	8.9	10.0	11.0	11.9	12.7	13.5	14.4	15.1
40°	7.7	8.3	9.7	10.9	12.0	13.1	14.4	15.6	16.7	18.0	19.1
37.5°	8.6	10.1	11.5	12.7	14.3	15.8	17.6	19.5	21.2	24.3	27.0
35°	10.2	11.8	13.2	15.1	17.1	19.5	22.5	26.9	30.9	37.8	44.6
32.5°	11.8	13.5	15.5	18.1	20.8	26.1	31.4	42.3	52.4	61.1	68.2
30°	13.2	15.5	18.4	21.9	28.4	38.2	51.5	63.6	74.2	84.0	93.6
27.5°	15.1	18.1	21.9	29.1	41.8	57.2	71.2	84.6	98.8	111.2	124.0
25°	17.1	20.8	28.4	41.8	59.1	75.0	92.0	109.0	127.5	146.3	164.0
22.5°	19.5	26.1	38.2	57.2	75.0	94.5	114.9	138.6	163.7	190.3	217.7
20°	22.5	31.4	51.5	71.2	92.0	114.9	142.4	173.6	209.2	248.3	284.6
17.5°	26.9	42.3	63.6	84.6	109.0	138.6	173.6	216.7	264.1	319.4	371.5
15°	30.9	52.4	74.2	98.8	127.5	163.7	209.2	264.1	331.3	406.8	517.1
12.5°	37.8	61.1	84.0	111.2	146.3	190.3	248.3	319.4	406.8	560.6	829.6
10°	44.6	68.2	93.6	124.0	164.0	217.7	284.6	371.5	517.1	829.6	1354.3
7.5°	49.9	73.9	101.2	135.2	179.8	242.4	322.8	432.1	684.0	1215.0	1933.2
5°	53.8	78.0	106.8	143.7	193.0	260.5	351.2	498.2	871.3	1584.2	2393.7
2.5°	56.1	80.5	110.2	149.3	201.2	271.6	368.7	552.7	1020.6	1836.6	2672.5
0°	56.9	81.3	111.3	151.2	203.9	275.4	374.6	573.7	1071.7	1924.9	2769.1
-2.5°	56.1	80.5	110.2	149.3	201.2	271.6	368.7	552.7	1020.6	1836.6	2672.5
-5°	53.8	78.0	106.8	143.7	193.0	260.5	351.2	498.2	871.3	1584.2	2393.7
-7.5°	49.9	73.9	101.2	135.2	179.8	242.4	322.8	432.1	684.0	1215.0	1933.2
-10°	44.6	68.2	93.6	124.0	164.0	217.7	284.6	371.5	517.1	829.6	1354.3
-12.5°	37.8	61.1	84.0	111.2	146.3	190.3	248.3	319.4	406.8	560.6	829.6
-15°	30.9	52.4	74.2	98.8	127.5	163.7	209.2	264.1	331.3	406.8	517.1
-17.5°	26.9	42.3	63.6	84.6	109.0	138.6	173.6	216.7	264.1	319.4	371.5
-20°	22.5	31.4	51.5	71.2	92.0	114.9	142.4	173.6	209.2	248.3	284.6



REPORT NUMBER: P220383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	19.5	26.1	38.2	57.2	75.0	94.5	114.9	138.6	163.7	190.3	217.7
-25°	17.1	20.8	28.4	41.8	59.1	75.0	92.0	109.0	127.5	146.3	164.0
-27.5°	15.1	18.1	21.9	29.1	41.8	57.2	71.2	84.6	98.8	111.2	124.0
-30°	13.2	15.5	18.4	21.9	28.4	38.2	51.5	63.6	74.2	84.0	93.6
-32.5°	11.8	13.5	15.5	18.1	20.8	26.1	31.4	42.3	52.4	61.1	68.2
-35°	10.2	11.8	13.2	15.1	17.1	19.5	22.5	26.9	30.9	37.8	44.6
-37.5°	8.6	10.1	11.5	12.7	14.3	15.8	17.6	19.5	21.2	24.3	27.0
-40°	7.7	8.3	9.7	10.9	12.0	13.1	14.4	15.6	16.7	18.0	19.1
-42.5°	7.2	7.6	8.0	8.9	10.0	11.0	11.9	12.7	13.5	14.4	15.1
-45°	6.6	7.0	7.4	7.7	8.1	8.9	9.7	10.5	11.2	11.7	12.2
-47.5°	6.5	6.5	6.8	7.1	7.4	7.7	7.9	8.2	8.8	9.4	9.8
-50°	6.3	6.5	6.5	6.5	6.7	7.0	7.2	7.4	7.6	7.7	7.9
-52.5°	5.7	6.0	6.3	6.5	6.5	6.5	6.5	6.7	6.8	7.0	7.1
-55°	5.7	5.7	5.7	5.9	6.1	6.3	6.5	6.5	6.5	6.5	6.5
-57.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.8	6.0	6.1	6.2	6.3
-60°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
-62.5°	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
-65°	5.0	5.2	5.4	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7
-67.5°	4.3	4.5	4.7	4.8	5.0	5.1	5.2	5.3	5.4	5.5	5.6
-70°	4.1	4.1	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8
-72.5°	3.9	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
-75°	3.1	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.0
-77.5°	1.7	2.0	2.1	2.3	2.5	2.6	2.8	2.9	3.0	3.1	3.2
-80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-82.5°	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.5	1.6
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.0	2.9
75°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9
72.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
70°	4.8	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.7	4.6
67.5°	5.6	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.3
65°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
62.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
60°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
57.5°	6.4	6.5	6.5	6.5	6.5	6.5	6.4	6.3	6.2	6.1	6.0
55°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
52.5°	7.2	7.2	7.3	7.3	7.3	7.2	7.2	7.1	7.0	6.8	6.7
50°	8.0	8.0	8.1	8.1	8.1	8.0	8.0	7.9	7.7	7.6	7.4
47.5°	10.2	10.4	10.6	10.6	10.6	10.4	10.2	9.8	9.4	8.8	8.2
45°	12.5	12.8	12.9	13.0	12.9	12.8	12.5	12.2	11.7	11.2	10.5
42.5°	15.6	16.0	16.2	16.3	16.2	16.0	15.6	15.1	14.4	13.5	12.7
40°	20.0	20.6	21.0	21.1	21.0	20.6	20.0	19.1	18.0	16.7	15.6
37.5°	29.0	30.5	31.4	31.7	31.4	30.5	29.0	27.0	24.3	21.2	19.5
35°	49.9	53.8	56.1	56.9	56.1	53.8	49.9	44.6	37.8	30.9	26.9
32.5°	73.9	78.0	80.5	81.3	80.5	78.0	73.9	68.2	61.1	52.4	42.3
30°	101.2	106.8	110.2	111.3	110.2	106.8	101.2	93.6	84.0	74.2	63.6
27.5°	135.2	143.7	149.3	151.2	149.3	143.7	135.2	124.0	111.2	98.8	84.6
25°	179.8	193.0	201.2	203.9	201.2	193.0	179.8	164.0	146.3	127.5	109.0
22.5°	242.4	260.5	271.6	275.4	271.6	260.5	242.4	217.7	190.3	163.7	138.6
20°	322.8	351.2	368.7	374.6	368.7	351.2	322.8	284.6	248.3	209.2	173.6
17.5°	432.1	498.2	552.7	573.7	552.7	498.2	432.1	371.5	319.4	264.1	216.7
15°	684.0	871.3	1020.6	1071.7	1020.6	871.3	684.0	517.1	406.8	331.3	264.1
12.5°	1215.0	1584.2	1836.6	1924.9	1836.6	1584.2	1215.0	829.6	560.6	406.8	319.4
10°	1933.2	2393.7	2672.5	2769.1	2672.5	2393.7	1933.2	1354.3	829.6	517.1	371.5
7.5°	2581.7	3058.3	3356.8	3459.4	3356.8	3058.3	2581.7	1933.2	1215.0	684.0	432.1
5°	3058.3	3569.6	3893.7	4012.3	3893.7	3569.6	3058.3	2393.7	1584.2	871.3	498.2
2.5°	3356.8	3893.7	4241.4	4358.1	4241.4	3893.7	3356.8	2672.5	1836.6	1020.6	552.7
0°	3459.4	4012.3	4358.1	4503.1	4358.1	4012.3	3459.4	2769.1	1924.9	1071.7	573.7
-2.5°	3356.8	3893.7	4241.4	4358.1	4241.4	3893.7	3356.8	2672.5	1836.6	1020.6	552.7
-5°	3058.3	3569.6	3893.7	4012.3	3893.7	3569.6	3058.3	2393.7	1584.2	871.3	498.2
-7.5°	2581.7	3058.3	3356.8	3459.4	3356.8	3058.3	2581.7	1933.2	1215.0	684.0	432.1
-10°	1933.2	2393.7	2672.5	2769.1	2672.5	2393.7	1933.2	1354.3	829.6	517.1	371.5
-12.5°	1215.0	1584.2	1836.6	1924.9	1836.6	1584.2	1215.0	829.6	560.6	406.8	319.4
-15°	684.0	871.3	1020.6	1071.7	1020.6	871.3	684.0	517.1	406.8	331.3	264.1
-17.5°	432.1	498.2	552.7	573.7	552.7	498.2	432.1	371.5	319.4	264.1	216.7
-20°	322.8	351.2	368.7	374.6	368.7	351.2	322.8	284.6	248.3	209.2	173.6



REPORT NUMBER: P220383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	242.4	260.5	271.6	275.4	271.6	260.5	242.4	217.7	190.3	163.7	138.6
-25°	179.8	193.0	201.2	203.9	201.2	193.0	179.8	164.0	146.3	127.5	109.0
-27.5°	135.2	143.7	149.3	151.2	149.3	143.7	135.2	124.0	111.2	98.8	84.6
-30°	101.2	106.8	110.2	111.3	110.2	106.8	101.2	93.6	84.0	74.2	63.6
-32.5°	73.9	78.0	80.5	81.3	80.5	78.0	73.9	68.2	61.1	52.4	42.3
-35°	49.9	53.8	56.1	56.9	56.1	53.8	49.9	44.6	37.8	30.9	26.9
-37.5°	29.0	30.5	31.4	31.7	31.4	30.5	29.0	27.0	24.3	21.2	19.5
-40°	20.0	20.6	21.0	21.1	21.0	20.6	20.0	19.1	18.0	16.7	15.6
-42.5°	15.6	16.0	16.2	16.3	16.2	16.0	15.6	15.1	14.4	13.5	12.7
-45°	12.5	12.8	12.9	13.0	12.9	12.8	12.5	12.2	11.7	11.2	10.5
-47.5°	10.2	10.4	10.6	10.6	10.6	10.4	10.2	9.8	9.4	8.8	8.2
-50°	8.0	8.0	8.1	8.1	8.1	8.0	8.0	7.9	7.7	7.6	7.4
-52.5°	7.2	7.2	7.3	7.3	7.3	7.2	7.2	7.1	7.0	6.8	6.7
-55°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-57.5°	6.4	6.5	6.5	6.5	6.5	6.5	6.4	6.3	6.2	6.1	6.0
-60°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
-62.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
-65°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
-67.5°	5.6	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.3
-70°	4.8	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.7	4.6
-72.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
-75°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9
-77.5°	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.0	2.9
-80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
82.5°	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.1	1.0	1.0	0.9
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5
77.5°	2.8	2.6	2.5	2.3	2.1	2.0	1.7	1.6	1.6	1.6	1.6
75°	3.8	3.7	3.6	3.5	3.4	3.3	3.1	2.9	2.6	2.3	2.0
72.5°	4.1	4.1	4.1	4.1	4.1	4.0	3.9	3.7	3.6	3.4	3.1
70°	4.5	4.4	4.3	4.2	4.1	4.1	4.1	4.1	4.1	4.0	3.8
67.5°	5.2	5.1	5.0	4.8	4.7	4.5	4.3	4.2	4.1	4.1	4.1
65°	5.7	5.7	5.7	5.5	5.4	5.2	5.0	4.8	4.5	4.3	4.1
62.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.4	5.1	4.9	4.6
60°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.4	5.1
57.5°	5.8	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6
55°	6.5	6.3	6.1	5.9	5.7	5.7	5.7	5.7	5.7	5.7	5.7
52.5°	6.5	6.5	6.5	6.5	6.3	6.0	5.7	5.7	5.7	5.7	5.7
50°	7.2	7.0	6.7	6.5	6.5	6.5	6.3	5.9	5.7	5.7	5.7
47.5°	7.9	7.7	7.4	7.1	6.8	6.5	6.5	6.5	6.1	5.7	5.7
45°	9.7	8.9	8.1	7.7	7.4	7.0	6.6	6.5	6.5	6.2	5.7
42.5°	11.9	11.0	10.0	8.9	8.0	7.6	7.2	6.8	6.5	6.5	6.2
40°	14.4	13.1	12.0	10.9	9.7	8.3	7.7	7.3	6.8	6.5	6.5
37.5°	17.6	15.8	14.3	12.7	11.5	10.1	8.6	7.8	7.3	6.8	6.5
35°	22.5	19.5	17.1	15.1	13.2	11.8	10.2	8.6	7.7	7.2	6.6
32.5°	31.4	26.1	20.8	18.1	15.5	13.5	11.8	10.1	8.3	7.6	7.0
30°	51.5	38.2	28.4	21.9	18.4	15.5	13.2	11.5	9.7	8.0	7.4
27.5°	71.2	57.2	41.8	29.1	21.9	18.1	15.1	12.7	10.9	8.9	7.7
25°	92.0	75.0	59.1	41.8	28.4	20.8	17.1	14.3	12.0	10.0	8.1
22.5°	114.9	94.5	75.0	57.2	38.2	26.1	19.5	15.8	13.1	11.0	8.9
20°	142.4	114.9	92.0	71.2	51.5	31.4	22.5	17.6	14.4	11.9	9.7
17.5°	173.6	138.6	109.0	84.6	63.6	42.3	26.9	19.5	15.6	12.7	10.5
15°	209.2	163.7	127.5	98.8	74.2	52.4	30.9	21.2	16.7	13.5	11.2
12.5°	248.3	190.3	146.3	111.2	84.0	61.1	37.8	24.3	18.0	14.4	11.7
10°	284.6	217.7	164.0	124.0	93.6	68.2	44.6	27.0	19.1	15.1	12.2
7.5°	322.8	242.4	179.8	135.2	101.2	73.9	49.9	29.0	20.0	15.6	12.5
5°	351.2	260.5	193.0	143.7	106.8	78.0	53.8	30.5	20.6	16.0	12.8
2.5°	368.7	271.6	201.2	149.3	110.2	80.5	56.1	31.4	21.0	16.2	12.9
0°	374.6	275.4	203.9	151.2	111.3	81.3	56.9	31.7	21.1	16.3	13.0
-2.5°	368.7	271.6	201.2	149.3	110.2	80.5	56.1	31.4	21.0	16.2	12.9
-5°	351.2	260.5	193.0	143.7	106.8	78.0	53.8	30.5	20.6	16.0	12.8
-7.5°	322.8	242.4	179.8	135.2	101.2	73.9	49.9	29.0	20.0	15.6	12.5
-10°	284.6	217.7	164.0	124.0	93.6	68.2	44.6	27.0	19.1	15.1	12.2
-12.5°	248.3	190.3	146.3	111.2	84.0	61.1	37.8	24.3	18.0	14.4	11.7
-15°	209.2	163.7	127.5	98.8	74.2	52.4	30.9	21.2	16.7	13.5	11.2
-17.5°	173.6	138.6	109.0	84.6	63.6	42.3	26.9	19.5	15.6	12.7	10.5
-20°	142.4	114.9	92.0	71.2	51.5	31.4	22.5	17.6	14.4	11.9	9.7



REPORT NUMBER: P220383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	114.9	94.5	75.0	57.2	38.2	26.1	19.5	15.8	13.1	11.0	8.9
-25°	92.0	75.0	59.1	41.8	28.4	20.8	17.1	14.3	12.0	10.0	8.1
-27.5°	71.2	57.2	41.8	29.1	21.9	18.1	15.1	12.7	10.9	8.9	7.7
-30°	51.5	38.2	28.4	21.9	18.4	15.5	13.2	11.5	9.7	8.0	7.4
-32.5°	31.4	26.1	20.8	18.1	15.5	13.5	11.8	10.1	8.3	7.6	7.0
-35°	22.5	19.5	17.1	15.1	13.2	11.8	10.2	8.6	7.7	7.2	6.6
-37.5°	17.6	15.8	14.3	12.7	11.5	10.1	8.6	7.8	7.3	6.8	6.5
-40°	14.4	13.1	12.0	10.9	9.7	8.3	7.7	7.3	6.8	6.5	6.5
-42.5°	11.9	11.0	10.0	8.9	8.0	7.6	7.2	6.8	6.5	6.5	6.2
-45°	9.7	8.9	8.1	7.7	7.4	7.0	6.6	6.5	6.5	6.2	5.7
-47.5°	7.9	7.7	7.4	7.1	6.8	6.5	6.5	6.5	6.1	5.7	5.7
-50°	7.2	7.0	6.7	6.5	6.5	6.5	6.3	5.9	5.7	5.7	5.7
-52.5°	6.5	6.5	6.5	6.5	6.3	6.0	5.7	5.7	5.7	5.7	5.7
-55°	6.5	6.3	6.1	5.9	5.7	5.7	5.7	5.7	5.7	5.7	5.7
-57.5°	5.8	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6
-60°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.4	5.1
-62.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.4	5.1	4.9	4.6
-65°	5.7	5.7	5.7	5.5	5.4	5.2	5.0	4.8	4.5	4.3	4.1
-67.5°	5.2	5.1	5.0	4.8	4.7	4.5	4.3	4.2	4.1	4.1	4.1
-70°	4.5	4.4	4.3	4.2	4.1	4.1	4.1	4.1	4.1	4.0	3.8
-72.5°	4.1	4.1	4.1	4.1	4.1	4.0	3.9	3.7	3.6	3.4	3.1
-75°	3.8	3.7	3.6	3.5	3.4	3.3	3.1	2.9	2.6	2.3	2.0
-77.5°	2.8	2.6	2.5	2.3	2.1	2.0	1.7	1.6	1.6	1.6	1.6
-80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5
-82.5°	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.1	1.0	1.0	0.9
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.5	0.5
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7
80°	1.4	1.3	1.1	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	1.6	1.6	1.6	1.5	1.3	1.2	1.0	0.9	0.8	0.8	0.8
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.2	1.0	0.8	0.8
72.5°	2.8	2.4	2.0	1.6	1.6	1.6	1.6	1.5	1.3	1.1	0.9
70°	3.6	3.4	3.0	2.5	2.0	1.6	1.6	1.6	1.6	1.3	1.1
67.5°	4.1	3.9	3.6	3.4	2.9	2.3	1.7	1.6	1.6	1.6	1.3
65°	4.1	4.1	4.1	3.8	3.5	3.1	2.5	1.8	1.6	1.6	1.5
62.5°	4.3	4.1	4.1	4.1	3.9	3.6	3.2	2.5	1.7	1.6	1.6
60°	4.8	4.5	4.2	4.1	4.1	3.9	3.6	3.1	2.3	1.6	1.6
57.5°	5.3	5.0	4.6	4.2	4.1	4.1	3.9	3.5	2.9	2.0	1.6
55°	5.7	5.4	5.0	4.6	4.2	4.1	4.1	3.8	3.4	2.5	1.6
52.5°	5.7	5.7	5.5	5.0	4.6	4.2	4.1	4.1	3.6	3.0	2.0
50°	5.7	5.7	5.7	5.4	5.0	4.5	4.1	4.1	3.9	3.4	2.4
47.5°	5.7	5.7	5.7	5.7	5.3	4.8	4.3	4.1	4.1	3.6	2.8
45°	5.7	5.7	5.7	5.7	5.6	5.1	4.6	4.1	4.1	3.8	3.1
42.5°	5.7	5.7	5.7	5.7	5.7	5.4	4.9	4.3	4.1	4.0	3.4
40°	6.1	5.7	5.7	5.7	5.7	5.7	5.1	4.5	4.1	4.1	3.6
37.5°	6.5	5.9	5.7	5.7	5.7	5.7	5.4	4.8	4.2	4.1	3.7
35°	6.5	6.3	5.7	5.7	5.7	5.7	5.6	5.0	4.3	4.1	3.9
32.5°	6.5	6.5	6.0	5.7	5.7	5.7	5.7	5.2	4.5	4.1	4.0
30°	6.8	6.5	6.3	5.7	5.7	5.7	5.7	5.4	4.7	4.1	4.1
27.5°	7.1	6.5	6.5	5.9	5.7	5.7	5.7	5.5	4.8	4.2	4.1
25°	7.4	6.7	6.5	6.1	5.7	5.7	5.7	5.7	5.0	4.3	4.1
22.5°	7.7	7.0	6.5	6.3	5.7	5.7	5.7	5.7	5.1	4.4	4.1
20°	7.9	7.2	6.5	6.5	5.8	5.7	5.7	5.7	5.2	4.5	4.1
17.5°	8.2	7.4	6.7	6.5	6.0	5.7	5.7	5.7	5.3	4.6	4.1
15°	8.8	7.6	6.8	6.5	6.1	5.7	5.7	5.7	5.4	4.7	4.1
12.5°	9.4	7.7	7.0	6.5	6.2	5.7	5.7	5.7	5.5	4.7	4.1
10°	9.8	7.9	7.1	6.5	6.3	5.7	5.7	5.7	5.6	4.8	4.1
7.5°	10.2	8.0	7.2	6.5	6.4	5.7	5.7	5.7	5.6	4.8	4.1
5°	10.4	8.0	7.2	6.5	6.5	5.7	5.7	5.7	5.7	4.9	4.1
2.5°	10.6	8.1	7.3	6.5	6.5	5.7	5.7	5.7	5.7	4.9	4.1
0°	10.6	8.1	7.3	6.5	6.5	5.7	5.7	5.7	5.7	4.9	4.1
-2.5°	10.6	8.1	7.3	6.5	6.5	5.7	5.7	5.7	5.7	4.9	4.1
-5°	10.4	8.0	7.2	6.5	6.5	5.7	5.7	5.7	5.7	4.9	4.1
-7.5°	10.2	8.0	7.2	6.5	6.4	5.7	5.7	5.7	5.6	4.8	4.1
-10°	9.8	7.9	7.1	6.5	6.3	5.7	5.7	5.7	5.6	4.8	4.1
-12.5°	9.4	7.7	7.0	6.5	6.2	5.7	5.7	5.7	5.5	4.7	4.1
-15°	8.8	7.6	6.8	6.5	6.1	5.7	5.7	5.7	5.4	4.7	4.1
-17.5°	8.2	7.4	6.7	6.5	6.0	5.7	5.7	5.7	5.3	4.6	4.1
-20°	7.9	7.2	6.5	6.5	5.8	5.7	5.7	5.7	5.2	4.5	4.1



REPORT NUMBER: P220383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	7.7	7.0	6.5	6.3	5.7	5.7	5.7	5.7	5.1	4.4	4.1
-25°	7.4	6.7	6.5	6.1	5.7	5.7	5.7	5.7	5.0	4.3	4.1
-27.5°	7.1	6.5	6.5	5.9	5.7	5.7	5.7	5.5	4.8	4.2	4.1
-30°	6.8	6.5	6.3	5.7	5.7	5.7	5.7	5.4	4.7	4.1	4.1
-32.5°	6.5	6.5	6.0	5.7	5.7	5.7	5.7	5.2	4.5	4.1	4.0
-35°	6.5	6.3	5.7	5.7	5.7	5.7	5.6	5.0	4.3	4.1	3.9
-37.5°	6.5	5.9	5.7	5.7	5.7	5.7	5.4	4.8	4.2	4.1	3.7
-40°	6.1	5.7	5.7	5.7	5.7	5.7	5.1	4.5	4.1	4.1	3.6
-42.5°	5.7	5.7	5.7	5.7	5.7	5.4	4.9	4.3	4.1	4.0	3.4
-45°	5.7	5.7	5.7	5.7	5.6	5.1	4.6	4.1	4.1	3.8	3.1
-47.5°	5.7	5.7	5.7	5.7	5.3	4.8	4.3	4.1	4.1	3.6	2.8
-50°	5.7	5.7	5.7	5.4	5.0	4.5	4.1	4.1	3.9	3.4	2.4
-52.5°	5.7	5.7	5.5	5.0	4.6	4.2	4.1	4.1	3.6	3.0	2.0
-55°	5.7	5.4	5.0	4.6	4.2	4.1	4.1	3.8	3.4	2.5	1.6
-57.5°	5.3	5.0	4.6	4.2	4.1	4.1	3.9	3.5	2.9	2.0	1.6
-60°	4.8	4.5	4.2	4.1	4.1	3.9	3.6	3.1	2.3	1.6	1.6
-62.5°	4.3	4.1	4.1	4.1	3.9	3.6	3.2	2.5	1.7	1.6	1.6
-65°	4.1	4.1	4.1	3.8	3.5	3.1	2.5	1.8	1.6	1.6	1.5
-67.5°	4.1	3.9	3.6	3.4	2.9	2.3	1.7	1.6	1.6	1.6	1.3
-70°	3.6	3.4	3.0	2.5	2.0	1.6	1.6	1.6	1.6	1.3	1.1
-72.5°	2.8	2.4	2.0	1.6	1.6	1.6	1.6	1.5	1.3	1.1	0.9
-75°	1.6	1.6	1.6	1.6	1.6	1.6	1.4	1.2	1.0	0.8	0.8
-77.5°	1.6	1.6	1.6	1.5	1.3	1.2	1.0	0.9	0.8	0.8	0.8
-80°	1.4	1.3	1.1	1.0	0.9	0.8	0.8	0.8	0.8	0.8	0.8
-82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7
-85°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.5	0.5
-87.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
82.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
80°	0.8	0.7	0.6	0.4	0.3	0.1	0.0
77.5°	0.8	0.8	0.7	0.5	0.3	0.2	0.0
75°	0.8	0.8	0.8	0.6	0.4	0.2	0.0
72.5°	0.8	0.8	0.8	0.7	0.5	0.2	0.0
70°	0.8	0.8	0.8	0.8	0.5	0.3	0.0
67.5°	1.0	0.8	0.8	0.8	0.6	0.3	0.0
65°	1.2	0.9	0.8	0.8	0.7	0.3	0.0
62.5°	1.4	1.0	0.8	0.8	0.7	0.4	0.0
60°	1.6	1.2	0.8	0.8	0.8	0.4	0.0
57.5°	1.6	1.3	0.9	0.8	0.8	0.4	0.0
55°	1.6	1.5	1.0	0.8	0.8	0.5	0.0
52.5°	1.6	1.6	1.1	0.8	0.8	0.5	0.0
50°	1.6	1.6	1.3	0.8	0.8	0.5	0.0
47.5°	1.6	1.6	1.4	0.8	0.8	0.5	0.0
45°	2.0	1.6	1.5	0.9	0.8	0.6	0.0
42.5°	2.3	1.6	1.6	1.0	0.8	0.6	0.0
40°	2.6	1.6	1.6	1.0	0.8	0.6	0.0
37.5°	2.9	1.6	1.6	1.1	0.8	0.6	0.0
35°	3.1	1.7	1.6	1.2	0.8	0.7	0.0
32.5°	3.3	2.0	1.6	1.2	0.8	0.7	0.0
30°	3.4	2.1	1.6	1.3	0.8	0.7	0.0
27.5°	3.5	2.3	1.6	1.3	0.8	0.7	0.0
25°	3.6	2.5	1.6	1.4	0.8	0.7	0.0
22.5°	3.7	2.6	1.6	1.4	0.8	0.7	0.0
20°	3.8	2.8	1.6	1.5	0.8	0.8	0.0
17.5°	3.9	2.9	1.6	1.5	0.8	0.8	0.0
15°	3.9	3.0	1.6	1.5	0.8	0.8	0.0
12.5°	4.0	3.1	1.6	1.5	0.8	0.8	0.0
10°	4.0	3.2	1.6	1.6	0.8	0.8	0.0
7.5°	4.1	3.2	1.6	1.6	0.8	0.8	0.0
5°	4.1	3.3	1.6	1.6	0.8	0.8	0.0
2.5°	4.1	3.3	1.6	1.6	0.8	0.8	0.0
0°	4.1	3.3	1.6	1.6	0.8	0.8	0.0
-2.5°	4.1	3.3	1.6	1.6	0.8	0.8	0.0
-5°	4.1	3.3	1.6	1.6	0.8	0.8	0.0
-7.5°	4.1	3.2	1.6	1.6	0.8	0.8	0.0
-10°	4.0	3.2	1.6	1.6	0.8	0.8	0.0
-12.5°	4.0	3.1	1.6	1.5	0.8	0.8	0.0
-15°	3.9	3.0	1.6	1.5	0.8	0.8	0.0
-17.5°	3.9	2.9	1.6	1.5	0.8	0.8	0.0
-20°	3.8	2.8	1.6	1.5	0.8	0.8	0.0



REPORT NUMBER: P220383 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3597-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	3.7	2.6	1.6	1.4	0.8	0.7	0.0
-25°	3.6	2.5	1.6	1.4	0.8	0.7	0.0
-27.5°	3.5	2.3	1.6	1.3	0.8	0.7	0.0
-30°	3.4	2.1	1.6	1.3	0.8	0.7	0.0
-32.5°	3.3	2.0	1.6	1.2	0.8	0.7	0.0
-35°	3.1	1.7	1.6	1.2	0.8	0.7	0.0
-37.5°	2.9	1.6	1.6	1.1	0.8	0.6	0.0
-40°	2.6	1.6	1.6	1.0	0.8	0.6	0.0
-42.5°	2.3	1.6	1.6	1.0	0.8	0.6	0.0
-45°	2.0	1.6	1.5	0.9	0.8	0.6	0.0
-47.5°	1.6	1.6	1.4	0.8	0.8	0.5	0.0
-50°	1.6	1.6	1.3	0.8	0.8	0.5	0.0
-52.5°	1.6	1.6	1.1	0.8	0.8	0.5	0.0
-55°	1.6	1.5	1.0	0.8	0.8	0.5	0.0
-57.5°	1.6	1.3	0.9	0.8	0.8	0.4	0.0
-60°	1.6	1.2	0.8	0.8	0.8	0.4	0.0
-62.5°	1.4	1.0	0.8	0.8	0.7	0.4	0.0
-65°	1.2	0.9	0.8	0.8	0.7	0.3	0.0
-67.5°	1.0	0.8	0.8	0.8	0.6	0.3	0.0
-70°	0.8	0.8	0.8	0.8	0.5	0.3	0.0
-72.5°	0.8	0.8	0.8	0.7	0.5	0.2	0.0
-75°	0.8	0.8	0.8	0.6	0.4	0.2	0.0
-77.5°	0.8	0.8	0.7	0.5	0.3	0.2	0.0
-80°	0.8	0.7	0.6	0.4	0.3	0.1	0.0
-82.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
-85°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
-87.5°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)