

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: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29409)
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]-[RW, RI]-LED2797-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

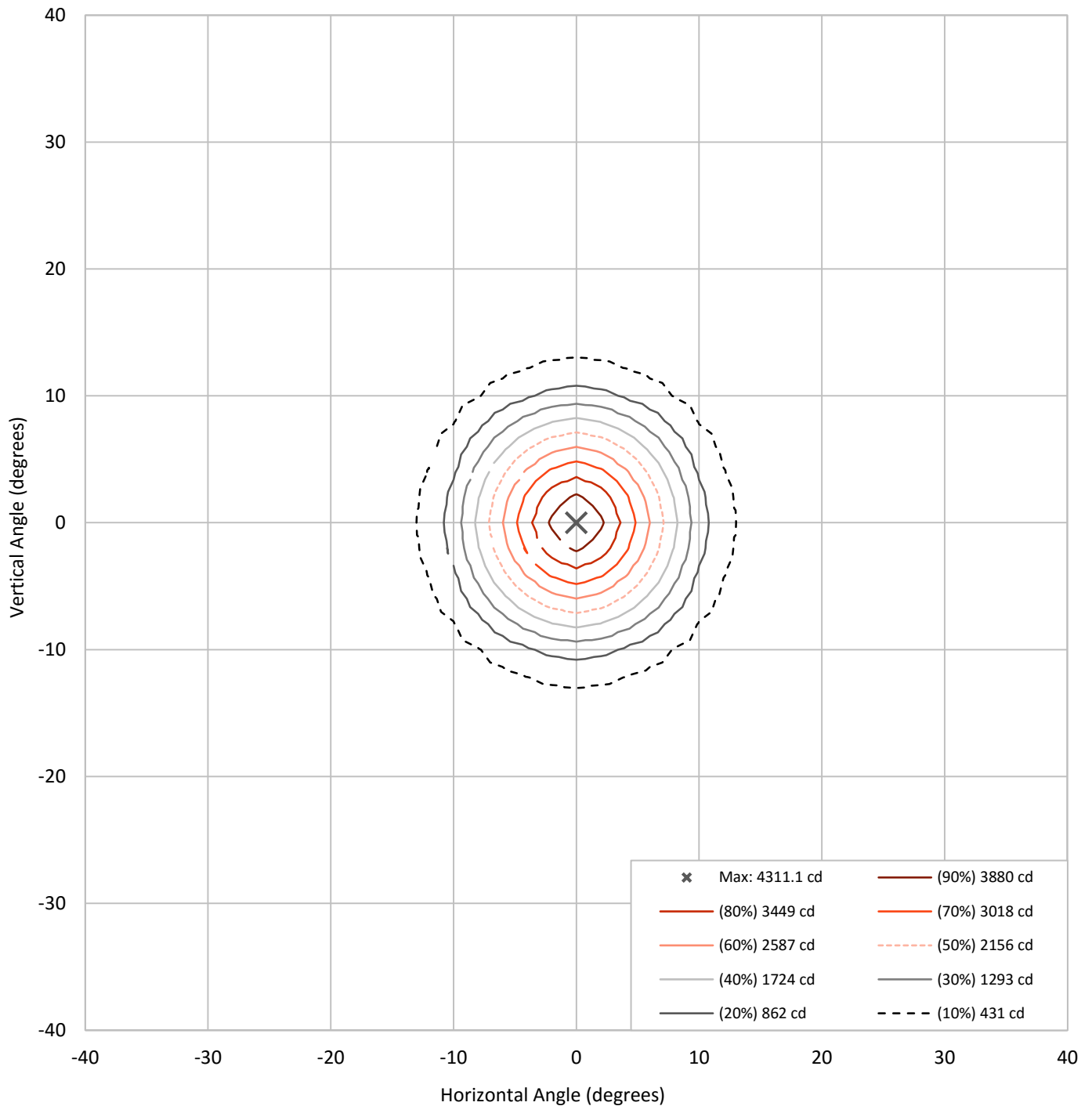
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	337 lumens	Max Intensity:	4311.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	33.7 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	14.2°H x 14.2°V	Field Angle (10%):	25.2°H x 25.2°V
Beam Lumens:	136.9 lumens	Field Lumens:	256.7 lumens
Beam Efficiency:	40.6%	Field Efficiency:	76.2%

Input Watts (W): 10
Input Voltage (V): 120
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



REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-WT-L1-UNV

Iso-Candela Plot



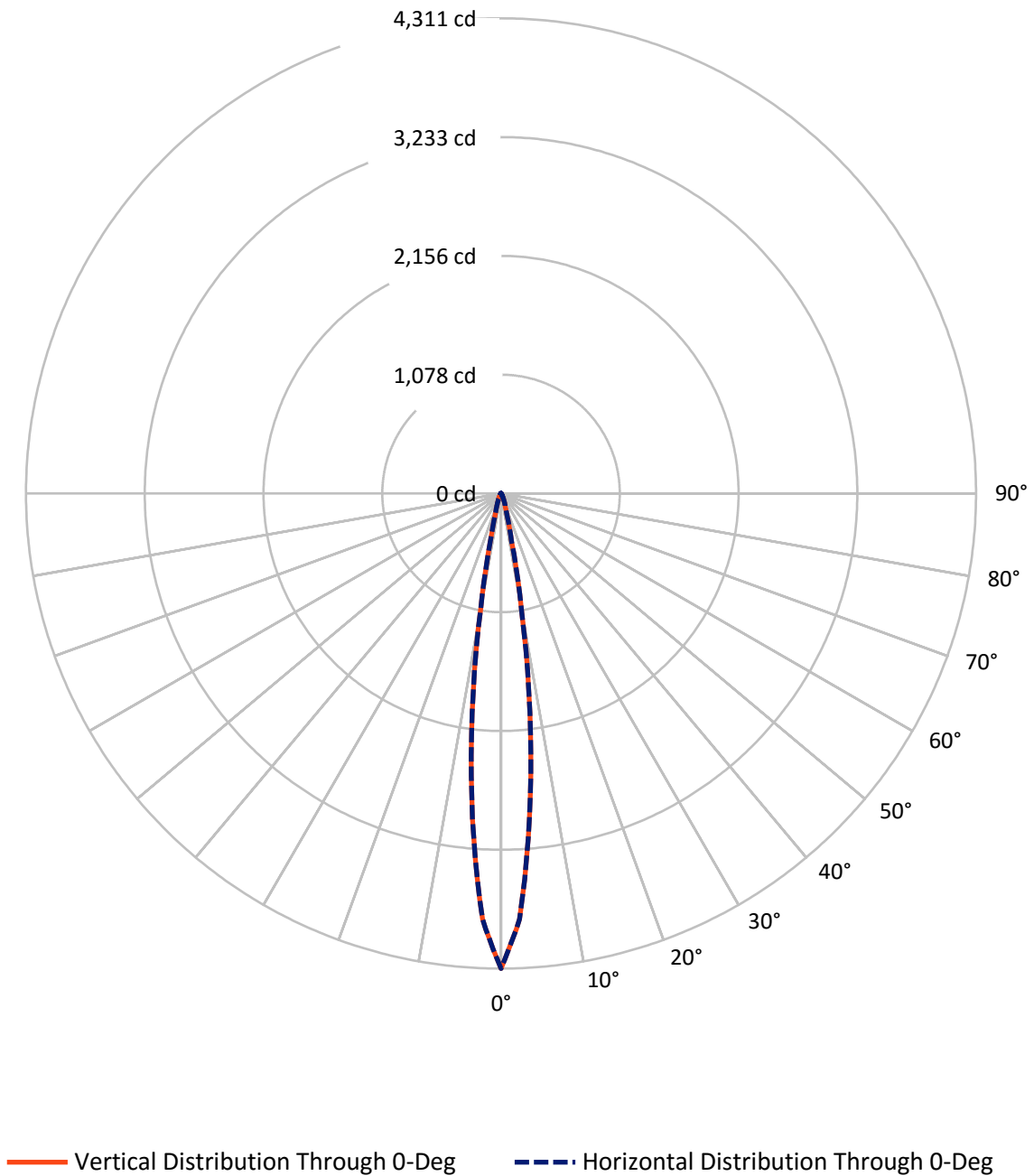
REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-WT-L1-UNV

Lumen Table

90	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
40		0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.0		
30	0.0	0.0	0.0	0.1	0.1	0.2	0.7	1.4	1.4	0.7	0.2	0.1	0.1	0.0	0.0	0.0
20		0.0	0.0	0.1	0.2	0.7	2.7	7.7	7.7	2.7	0.7	0.2	0.1	0.0		
10	0.0	0.0	0.1	0.1	0.2	1.3	7.5	59.2	59.2	7.5	1.3	0.2	0.1	0.1	0.0	0.0
0		0.0	0.1	0.1	0.2	1.3	7.5	59.2	59.2	7.5	1.3	0.2	0.1	0.1		
-10	0.0	0.0	0.0	0.1	0.2	0.7	2.7	7.7	7.7	2.7	0.7	0.2	0.1	0.0	0.0	0.0
-20		0.0	0.0	0.1	0.1	0.2	0.7	1.4	1.4	0.7	0.2	0.1	0.1	0.0		
-30	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0
-40		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0		
-50	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
-60		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
-90	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

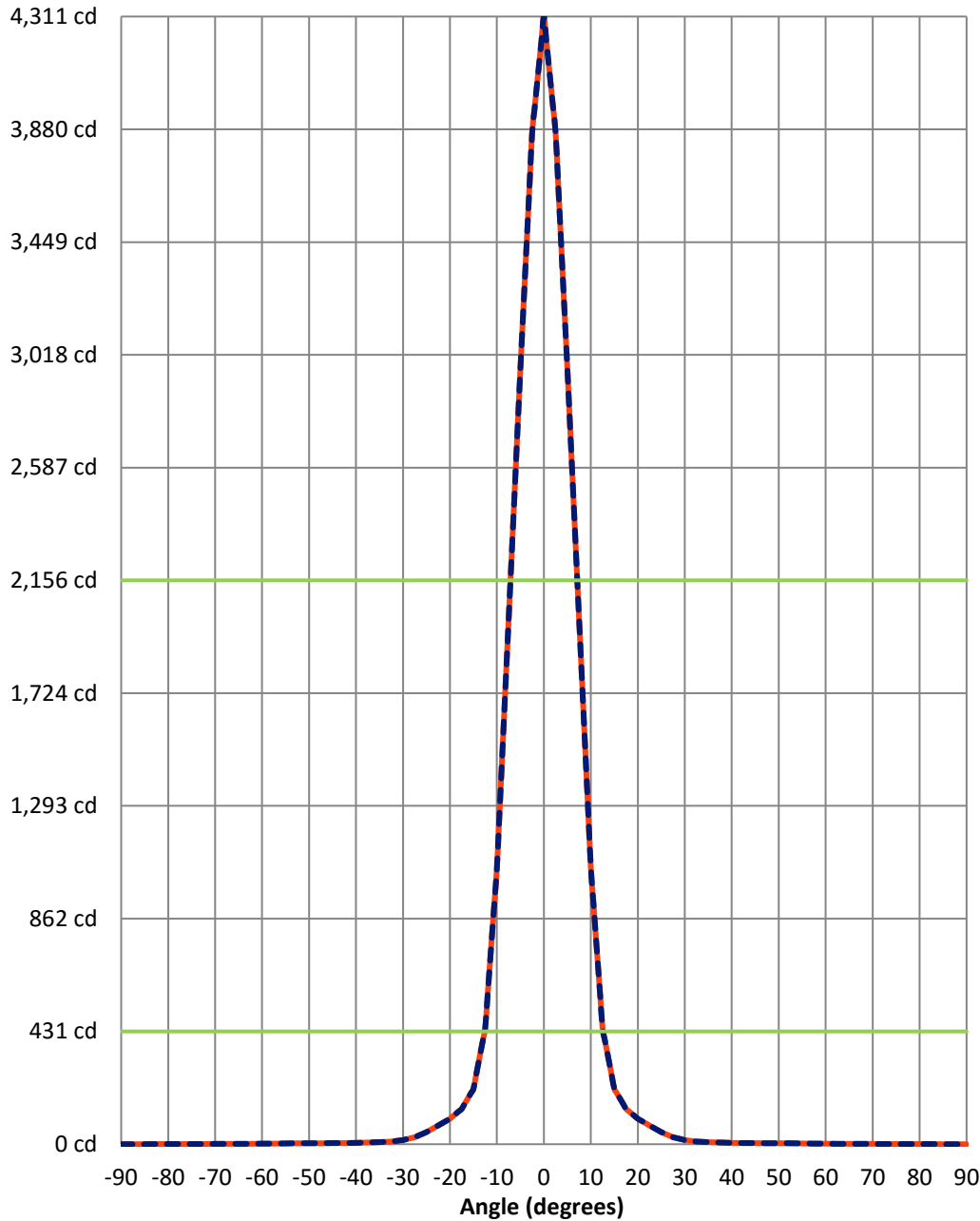
REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-WT-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-WT-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 14.2°
 V Angle: 14.2°
 Lumens: 136.9
 Efficiency: 40.6%

Field:
 H Angle: 25.2°
 V Angle: 25.2°
 Lumens: 256.7
 Efficiency: 76.2%

Spill:
 Lumens: 80.3
 Efficiency: 23.8%

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



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-WT-L1-UNV

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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0	0	0	0	1
70°	0	0	0	0	0	0	0	0	0	1	1
67.5°	0	0	0	0	0	0	0	0	1	1	1
65°	0	0	0	0	0	0	0	1	1	1	1
62.5°	0	0	0	0	0	0	1	1	1	1	1
60°	0	0	0	0	0	0	1	1	1	1	1
57.5°	0	0	0	0	0	0	1	1	1	1	1
55°	0	0	0	0	0	1	1	1	1	1	1
52.5°	0	0	0	0	0	1	1	1	1	1	1
50°	0	0	0	0	0	1	1	1	1	1	1
47.5°	0	0	0	0	0	1	1	1	1	1	1
45°	0	0	0	0	1	1	1	1	1	1	1
42.5°	0	0	0	0	1	1	1	1	1	1	1
40°	0	0	0	0	1	1	1	1	1	1	1
37.5°	0	0	0	0	1	1	1	1	1	1	1
35°	0	0	0	0	1	1	1	1	1	1	1
32.5°	0	0	0	0	1	1	1	1	1	1	1
30°	0	0	0	0	1	1	1	1	1	1	1
27.5°	0	0	0	0	1	1	1	1	1	1	1
25°	0	0	0	1	1	1	1	1	1	1	1
22.5°	0	0	0	1	1	1	1	1	1	1	1
20°	0	0	0	1	1	1	1	1	1	1	1
17.5°	0	0	0	1	1	1	1	1	1	1	1
15°	0	0	0	1	1	1	1	1	1	1	1
12.5°	0	0	0	1	1	1	1	1	1	1	1
10°	0	0	0	1	1	1	1	1	1	1	1
7.5°	0	0	0	1	1	1	1	1	1	1	1
5°	0	0	0	1	1	1	1	1	1	1	1
2.5°	0	0	0	1	1	1	1	1	1	1	1
0°	0	0	0	1	1	1	1	1	1	1	1
-2.5°	0	0	0	1	1	1	1	1	1	1	1
-5°	0	0	0	1	1	1	1	1	1	1	1
-7.5°	0	0	0	1	1	1	1	1	1	1	1
-10°	0	0	0	1	1	1	1	1	1	1	1
-12.5°	0	0	0	1	1	1	1	1	1	1	1
-15°	0	0	0	1	1	1	1	1	1	1	1
-17.5°	0	0	0	1	1	1	1	1	1	1	1
-20°	0	0	0	1	1	1	1	1	1	1	1



REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-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	1	1	1	1	1	1	1	1
-25°	0	0	0	1	1	1	1	1	1	1	1
-27.5°	0	0	0	0	1	1	1	1	1	1	1
-30°	0	0	0	0	1	1	1	1	1	1	1
-32.5°	0	0	0	0	1	1	1	1	1	1	1
-35°	0	0	0	0	1	1	1	1	1	1	1
-37.5°	0	0	0	0	1	1	1	1	1	1	1
-40°	0	0	0	0	1	1	1	1	1	1	1
-42.5°	0	0	0	0	1	1	1	1	1	1	1
-45°	0	0	0	0	1	1	1	1	1	1	1
-47.5°	0	0	0	0	0	1	1	1	1	1	1
-50°	0	0	0	0	0	1	1	1	1	1	1
-52.5°	0	0	0	0	0	1	1	1	1	1	1
-55°	0	0	0	0	0	1	1	1	1	1	1
-57.5°	0	0	0	0	0	0	1	1	1	1	1
-60°	0	0	0	0	0	0	1	1	1	1	1
-62.5°	0	0	0	0	0	0	1	1	1	1	1
-65°	0	0	0	0	0	0	0	1	1	1	1
-67.5°	0	0	0	0	0	0	0	0	1	1	1
-70°	0	0	0	0	0	0	0	0	0	1	1
-72.5°	0	0	0	0	0	0	0	0	0	0	1
-75°	0	0	0	0	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-WT-L1-UNV

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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	1	1	1	1
77.5°	0	0	0	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
52.5°	1	1	1	1	1	1	1	1	1	1	2
50°	1	1	1	1	1	1	1	1	2	2	2
47.5°	1	1	1	1	1	1	1	2	2	2	2
45°	1	1	1	1	1	1	2	2	2	2	3
42.5°	1	1	1	1	1	2	2	2	2	3	3
40°	1	1	1	1	1	2	2	2	3	3	4
37.5°	1	1	1	1	2	2	2	3	3	4	4
35°	1	1	1	2	2	2	3	3	4	4	4
32.5°	1	1	1	2	2	2	3	3	4	4	4
30°	1	1	1	2	2	3	3	4	4	4	4
27.5°	1	1	2	2	2	3	3	4	4	4	4
25°	1	1	2	2	2	3	4	4	4	4	4
22.5°	1	1	2	2	3	3	4	4	4	4	4
20°	1	2	2	2	3	4	4	4	4	4	5
17.5°	1	2	2	2	3	4	4	4	4	4	5
15°	1	2	2	3	3	4	4	4	4	4	5
12.5°	1	2	2	3	3	4	4	4	4	5	6
10°	1	2	2	3	3	4	4	4	4	5	6
7.5°	1	2	2	3	3	4	4	4	4	5	6
5°	1	2	2	3	4	4	4	4	4	5	6
2.5°	1	2	2	3	4	4	4	4	4	5	6
0°	1	2	2	3	4	4	4	4	4	5	7
-2.5°	1	2	2	3	4	4	4	4	4	5	6
-5°	1	2	2	3	4	4	4	4	4	5	6
-7.5°	1	2	2	3	3	4	4	4	4	5	6
-10°	1	2	2	3	3	4	4	4	4	5	6
-12.5°	1	2	2	3	3	4	4	4	4	5	6
-15°	1	2	2	3	3	4	4	4	4	4	5
-17.5°	1	2	2	2	3	4	4	4	4	4	5
-20°	1	2	2	2	3	4	4	4	4	4	5



REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-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°	1	1	2	2	3	3	4	4	4	4	4
-25°	1	1	2	2	2	3	4	4	4	4	4
-27.5°	1	1	2	2	2	3	3	4	4	4	4
-30°	1	1	1	2	2	3	3	4	4	4	4
-32.5°	1	1	1	2	2	2	3	3	4	4	4
-35°	1	1	1	2	2	2	3	3	4	4	4
-37.5°	1	1	1	1	2	2	2	3	3	4	4
-40°	1	1	1	1	1	2	2	2	3	3	4
-42.5°	1	1	1	1	1	2	2	2	2	3	3
-45°	1	1	1	1	1	1	2	2	2	2	3
-47.5°	1	1	1	1	1	1	1	2	2	2	2
-50°	1	1	1	1	1	1	1	1	2	2	2
-52.5°	1	1	1	1	1	1	1	1	1	1	2
-55°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	0	0	0	1	1	1	1	1	1	1	1
-80°	0	0	0	0	0	0	0	1	1	1	1
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	2	2	2	2	2
57.5°	1	1	1	2	2	2	2	2	2	2	2
55°	2	2	2	2	2	2	2	2	3	3	3
52.5°	2	2	2	2	2	3	3	3	3	3	3
50°	2	2	3	3	3	3	4	4	4	4	4
47.5°	3	3	3	3	4	4	4	4	4	4	4
45°	3	3	4	4	4	4	4	4	4	4	4
42.5°	4	4	4	4	4	4	4	4	4	4	4
40°	4	4	4	4	4	4	4	4	4	5	5
37.5°	4	4	4	4	4	4	5	5	5	6	6
35°	4	4	4	4	4	5	5	6	6	7	7
32.5°	4	4	4	5	5	6	6	7	8	8	9
30°	4	4	5	5	6	7	8	9	9	11	12
27.5°	4	5	5	6	7	8	9	11	13	16	20
25°	4	5	6	7	8	10	12	15	21	26	32
22.5°	5	6	7	8	10	13	17	24	32	42	51
20°	5	6	8	9	12	17	25	36	48	62	74
17.5°	6	7	9	11	15	24	36	51	67	83	97
15°	6	8	9	13	21	32	48	67	86	106	128
12.5°	7	8	11	16	26	42	62	83	106	133	182
10°	7	9	12	20	32	51	74	97	128	182	265
7.5°	8	9	14	23	38	60	84	113	158	239	446
5°	8	10	15	25	43	66	91	125	187	324	708
2.5°	8	10	16	26	45	70	96	132	205	405	962
0°	8	10	16	27	46	71	97	135	211	442	1057
-2.5°	8	10	16	26	45	70	96	132	205	405	962
-5°	8	10	15	25	43	66	91	125	187	324	708
-7.5°	8	9	14	23	38	60	84	113	158	239	446
-10°	7	9	12	20	32	51	74	97	128	182	265
-12.5°	7	8	11	16	26	42	62	83	106	133	182
-15°	6	8	9	13	21	32	48	67	86	106	128
-17.5°	6	7	9	11	15	24	36	51	67	83	97
-20°	5	6	8	9	12	17	25	36	48	62	74



REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5	6	7	8	10	13	17	24	32	42	51
-25°	4	5	6	7	8	10	12	15	21	26	32
-27.5°	4	5	5	6	7	8	9	11	13	16	20
-30°	4	4	5	5	6	7	8	9	9	11	12
-32.5°	4	4	4	5	5	6	6	7	8	8	9
-35°	4	4	4	4	4	5	5	6	6	7	7
-37.5°	4	4	4	4	4	4	5	5	5	6	6
-40°	4	4	4	4	4	4	4	4	4	5	5
-42.5°	4	4	4	4	4	4	4	4	4	4	4
-45°	3	3	4	4	4	4	4	4	4	4	4
-47.5°	3	3	3	3	4	4	4	4	4	4	4
-50°	2	2	3	3	3	3	4	4	4	4	4
-52.5°	2	2	2	2	2	3	3	3	3	3	3
-55°	2	2	2	2	2	2	2	2	3	3	3
-57.5°	1	1	1	2	2	2	2	2	2	2	2
-60°	1	1	1	1	1	1	2	2	2	2	2
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	0	0	0	0	1	1	1	1	1	1	1
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	2
55°	3	3	3	3	3	3	3	3	3	3	2
52.5°	3	4	4	4	4	4	3	3	3	3	3
50°	4	4	4	4	4	4	4	4	4	4	4
47.5°	4	4	4	4	4	4	4	4	4	4	4
45°	4	4	4	4	4	4	4	4	4	4	4
42.5°	4	4	4	4	4	4	4	4	4	4	4
40°	5	5	5	5	5	5	5	5	5	4	4
37.5°	6	6	6	7	6	6	6	6	6	5	5
35°	8	8	8	8	8	8	8	7	7	6	6
32.5°	9	10	10	10	10	10	9	9	8	8	7
30°	14	15	16	16	16	15	14	12	11	9	9
27.5°	23	25	26	27	26	25	23	20	16	13	11
25°	38	43	45	46	45	43	38	32	26	21	15
22.5°	60	66	70	71	70	66	60	51	42	32	24
20°	84	91	96	97	96	91	84	74	62	48	36
17.5°	113	125	132	135	132	125	113	97	83	67	51
15°	158	187	205	211	205	187	158	128	106	86	67
12.5°	239	324	405	442	405	324	239	182	133	106	83
10°	446	708	962	1057	962	708	446	265	182	128	97
7.5°	873	1419	1849	2007	1849	1419	873	446	239	158	113
5°	1419	2177	2742	2965	2742	2177	1419	708	324	187	125
2.5°	1849	2742	3518	3867	3518	2742	1849	962	405	205	132
0°	2007	2965	3867	4311	3867	2965	2007	1057	442	211	135
-2.5°	1849	2742	3518	3867	3518	2742	1849	962	405	205	132
-5°	1419	2177	2742	2965	2742	2177	1419	708	324	187	125
-7.5°	873	1419	1849	2007	1849	1419	873	446	239	158	113
-10°	446	708	962	1057	962	708	446	265	182	128	97
-12.5°	239	324	405	442	405	324	239	182	133	106	83
-15°	158	187	205	211	205	187	158	128	106	86	67
-17.5°	113	125	132	135	132	125	113	97	83	67	51
-20°	84	91	96	97	96	91	84	74	62	48	36



REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-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°	60	66	70	71	70	66	60	51	42	32	24
-25°	38	43	45	46	45	43	38	32	26	21	15
-27.5°	23	25	26	27	26	25	23	20	16	13	11
-30°	14	15	16	16	16	15	14	12	11	9	9
-32.5°	9	10	10	10	10	10	9	9	8	8	7
-35°	8	8	8	8	8	8	8	7	7	6	6
-37.5°	6	6	6	7	6	6	6	6	6	5	5
-40°	5	5	5	5	5	5	5	5	5	4	4
-42.5°	4	4	4	4	4	4	4	4	4	4	4
-45°	4	4	4	4	4	4	4	4	4	4	4
-47.5°	4	4	4	4	4	4	4	4	4	4	4
-50°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	3	4	4	4	4	4	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	2
-57.5°	2	2	2	2	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	1	1	1	0	0	0	0	0	0	0	0
80°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	2	1	1	1	1	1	1	1	1	1	1
57.5°	2	2	2	2	1	1	1	1	1	1	1
55°	2	2	2	2	2	2	2	1	1	1	1
52.5°	3	3	2	2	2	2	2	2	1	1	1
50°	4	3	3	3	3	2	2	2	2	2	1
47.5°	4	4	4	3	3	3	3	2	2	2	2
45°	4	4	4	4	4	3	3	3	2	2	2
42.5°	4	4	4	4	4	4	4	3	3	2	2
40°	4	4	4	4	4	4	4	4	3	3	2
37.5°	5	4	4	4	4	4	4	4	4	3	3
35°	5	5	4	4	4	4	4	4	4	4	3
32.5°	6	6	5	5	4	4	4	4	4	4	3
30°	8	7	6	5	5	4	4	4	4	4	4
27.5°	9	8	7	6	5	5	4	4	4	4	4
25°	12	10	8	7	6	5	4	4	4	4	4
22.5°	17	13	10	8	7	6	5	4	4	4	4
20°	25	17	12	9	8	6	5	5	4	4	4
17.5°	36	24	15	11	9	7	6	5	4	4	4
15°	48	32	21	13	9	8	6	5	4	4	4
12.5°	62	42	26	16	11	8	7	6	5	4	4
10°	74	51	32	20	12	9	7	6	5	4	4
7.5°	84	60	38	23	14	9	8	6	5	4	4
5°	91	66	43	25	15	10	8	6	5	4	4
2.5°	96	70	45	26	16	10	8	6	5	4	4
0°	97	71	46	27	16	10	8	7	5	4	4
-2.5°	96	70	45	26	16	10	8	6	5	4	4
-5°	91	66	43	25	15	10	8	6	5	4	4
-7.5°	84	60	38	23	14	9	8	6	5	4	4
-10°	74	51	32	20	12	9	7	6	5	4	4
-12.5°	62	42	26	16	11	8	7	6	5	4	4
-15°	48	32	21	13	9	8	6	5	4	4	4
-17.5°	36	24	15	11	9	7	6	5	4	4	4
-20°	25	17	12	9	8	6	5	5	4	4	4



REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	17	13	10	8	7	6	5	4	4	4	4
-25°	12	10	8	7	6	5	4	4	4	4	4
-27.5°	9	8	7	6	5	5	4	4	4	4	4
-30°	8	7	6	5	5	4	4	4	4	4	4
-32.5°	6	6	5	5	4	4	4	4	4	4	3
-35°	5	5	4	4	4	4	4	4	4	4	3
-37.5°	5	4	4	4	4	4	4	4	4	3	3
-40°	4	4	4	4	4	4	4	4	3	3	2
-42.5°	4	4	4	4	4	4	4	3	3	2	2
-45°	4	4	4	4	4	3	3	3	2	2	2
-47.5°	4	4	4	3	3	3	3	2	2	2	2
-50°	4	3	3	3	3	2	2	2	2	2	1
-52.5°	3	3	2	2	2	2	2	2	1	1	1
-55°	2	2	2	2	2	2	2	1	1	1	1
-57.5°	2	2	2	2	1	1	1	1	1	1	1
-60°	2	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	1	1	1	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-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
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	1	1	1	1	0	0	0	0	0	0	0
75°	1	1	1	1	1	1	1	0	0	0	0
72.5°	1	1	1	1	1	1	1	1	0	0	0
70°	1	1	1	1	1	1	1	1	1	0	0
67.5°	1	1	1	1	1	1	1	1	1	1	0
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	1	1
55°	1	1	1	1	1	1	1	1	1	1	1
52.5°	1	1	1	1	1	1	1	1	1	1	1
50°	1	1	1	1	1	1	1	1	1	1	1
47.5°	1	1	1	1	1	1	1	1	1	1	1
45°	2	1	1	1	1	1	1	1	1	1	1
42.5°	2	2	1	1	1	1	1	1	1	1	1
40°	2	2	1	1	1	1	1	1	1	1	1
37.5°	2	2	2	1	1	1	1	1	1	1	1
35°	3	2	2	2	1	1	1	1	1	1	1
32.5°	3	2	2	2	1	1	1	1	1	1	1
30°	3	3	2	2	1	1	1	1	1	1	1
27.5°	3	3	2	2	2	1	1	1	1	1	1
25°	4	3	2	2	2	1	1	1	1	1	1
22.5°	4	3	3	2	2	1	1	1	1	1	1
20°	4	4	3	2	2	2	1	1	1	1	1
17.5°	4	4	3	2	2	2	1	1	1	1	1
15°	4	4	3	3	2	2	1	1	1	1	1
12.5°	4	4	3	3	2	2	1	1	1	1	1
10°	4	4	3	3	2	2	1	1	1	1	1
7.5°	4	4	3	3	2	2	1	1	1	1	1
5°	4	4	4	3	2	2	1	1	1	1	1
2.5°	4	4	4	3	2	2	1	1	1	1	1
0°	4	4	4	3	2	2	1	1	1	1	1
-2.5°	4	4	4	3	2	2	1	1	1	1	1
-5°	4	4	4	3	2	2	1	1	1	1	1
-7.5°	4	4	3	3	2	2	1	1	1	1	1
-10°	4	4	3	3	2	2	1	1	1	1	1
-12.5°	4	4	3	3	2	2	1	1	1	1	1
-15°	4	4	3	3	2	2	1	1	1	1	1
-17.5°	4	4	3	2	2	2	1	1	1	1	1
-20°	4	4	3	2	2	2	1	1	1	1	1



REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-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°	4	3	3	2	2	1	1	1	1	1	1
-25°	4	3	2	2	2	1	1	1	1	1	1
-27.5°	3	3	2	2	2	1	1	1	1	1	1
-30°	3	3	2	2	1	1	1	1	1	1	1
-32.5°	3	2	2	2	1	1	1	1	1	1	1
-35°	3	2	2	2	1	1	1	1	1	1	1
-37.5°	2	2	2	1	1	1	1	1	1	1	1
-40°	2	2	1	1	1	1	1	1	1	1	1
-42.5°	2	2	1	1	1	1	1	1	1	1	1
-45°	2	1	1	1	1	1	1	1	1	1	1
-47.5°	1	1	1	1	1	1	1	1	1	1	1
-50°	1	1	1	1	1	1	1	1	1	1	1
-52.5°	1	1	1	1	1	1	1	1	1	1	1
-55°	1	1	1	1	1	1	1	1	1	1	1
-57.5°	1	1	1	1	1	1	1	1	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	0
-70°	1	1	1	1	1	1	1	1	1	0	0
-72.5°	1	1	1	1	1	1	1	1	0	0	0
-75°	1	1	1	1	1	1	1	0	0	0	0
-77.5°	1	1	1	1	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0
72.5°	0	0	0	0	0	0	0
70°	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0
62.5°	1	0	0	0	0	0	0
60°	1	0	0	0	0	0	0
57.5°	1	0	0	0	0	0	0
55°	1	1	0	0	0	0	0
52.5°	1	1	0	0	0	0	0
50°	1	1	0	0	0	0	0
47.5°	1	1	0	0	0	0	0
45°	1	1	1	0	0	0	0
42.5°	1	1	1	0	0	0	0
40°	1	1	1	0	0	0	0
37.5°	1	1	1	0	0	0	0
35°	1	1	1	0	0	0	0
32.5°	1	1	1	0	0	0	0
30°	1	1	1	0	0	0	0
27.5°	1	1	1	0	0	0	0
25°	1	1	1	1	0	0	0
22.5°	1	1	1	1	0	0	0
20°	1	1	1	1	0	0	0
17.5°	1	1	1	1	0	0	0
15°	1	1	1	1	0	0	0
12.5°	1	1	1	1	0	0	0
10°	1	1	1	1	0	0	0
7.5°	1	1	1	1	0	0	0
5°	1	1	1	1	0	0	0
2.5°	1	1	1	1	0	0	0
0°	1	1	1	1	0	0	0
-2.5°	1	1	1	1	0	0	0
-5°	1	1	1	1	0	0	0
-7.5°	1	1	1	1	0	0	0
-10°	1	1	1	1	0	0	0
-12.5°	1	1	1	1	0	0	0
-15°	1	1	1	1	0	0	0
-17.5°	1	1	1	1	0	0	0
-20°	1	1	1	1	0	0	0



REPORT NUMBER: P220309 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1	1	1	1	0	0	0
-25°	1	1	1	1	0	0	0
-27.5°	1	1	1	0	0	0	0
-30°	1	1	1	0	0	0	0
-32.5°	1	1	1	0	0	0	0
-35°	1	1	1	0	0	0	0
-37.5°	1	1	1	0	0	0	0
-40°	1	1	1	0	0	0	0
-42.5°	1	1	1	0	0	0	0
-45°	1	1	1	0	0	0	0
-47.5°	1	1	0	0	0	0	0
-50°	1	1	0	0	0	0	0
-52.5°	1	1	0	0	0	0	0
-55°	1	1	0	0	0	0	0
-57.5°	1	0	0	0	0	0	0
-60°	1	0	0	0	0	0	0
-62.5°	1	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0
-75°	0	0	0	0	0	0	0
-77.5°	0	0	0	0	0	0	0
-80°	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)