

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: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220305 (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]-LED2790-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

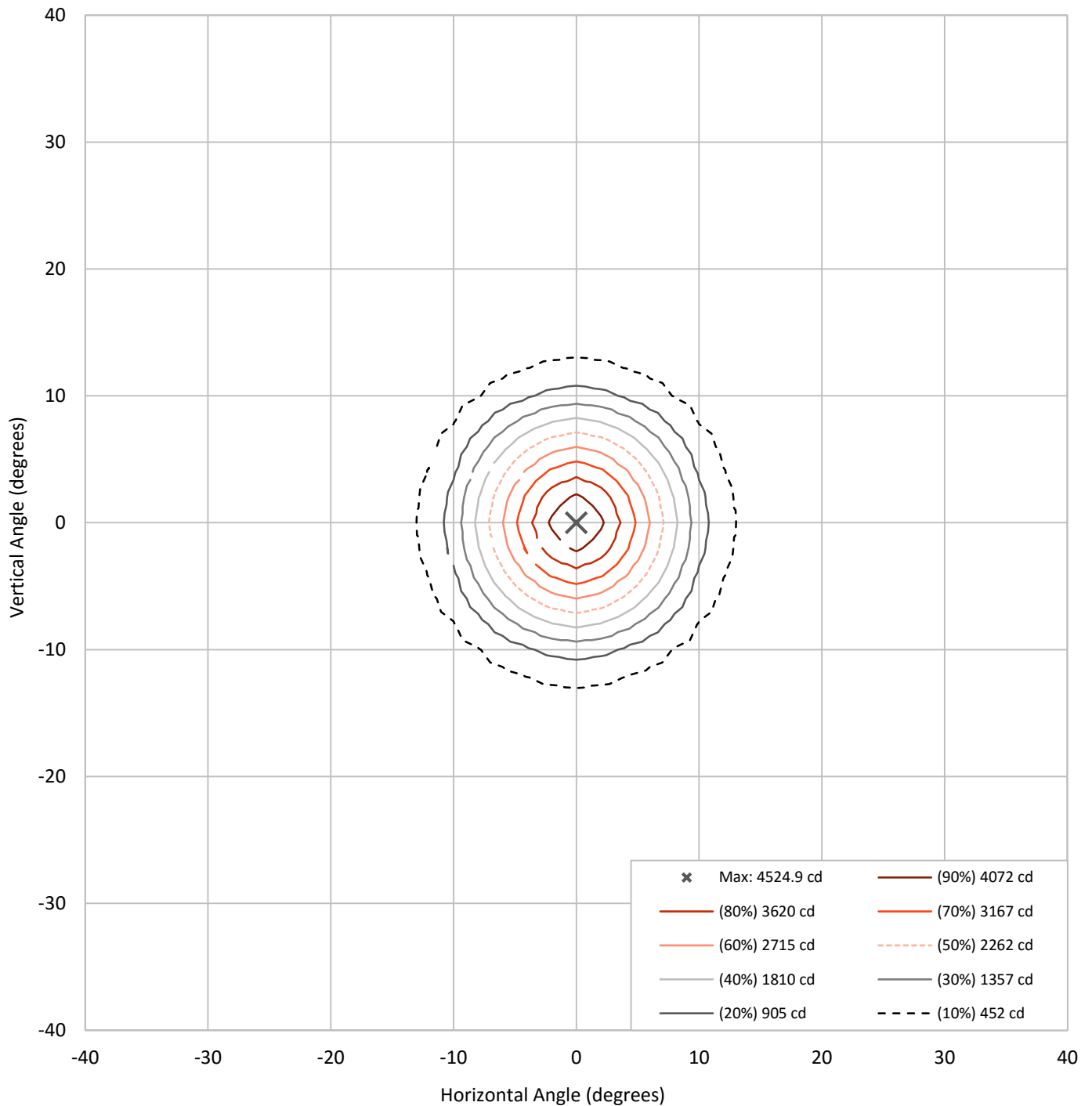
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	353.8 lumens	Max Intensity:	4524.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	35.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	14.2°H x 14.2°V	Field Angle (10%):	25.2°H x 25.2°V
Beam Lumens:	143.7 lumens	Field Lumens:	269.4 lumens
Beam Efficiency:	40.6%	Field Efficiency:	76.1%

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



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-S-WT-L1-UNV

Iso-Candela Plot





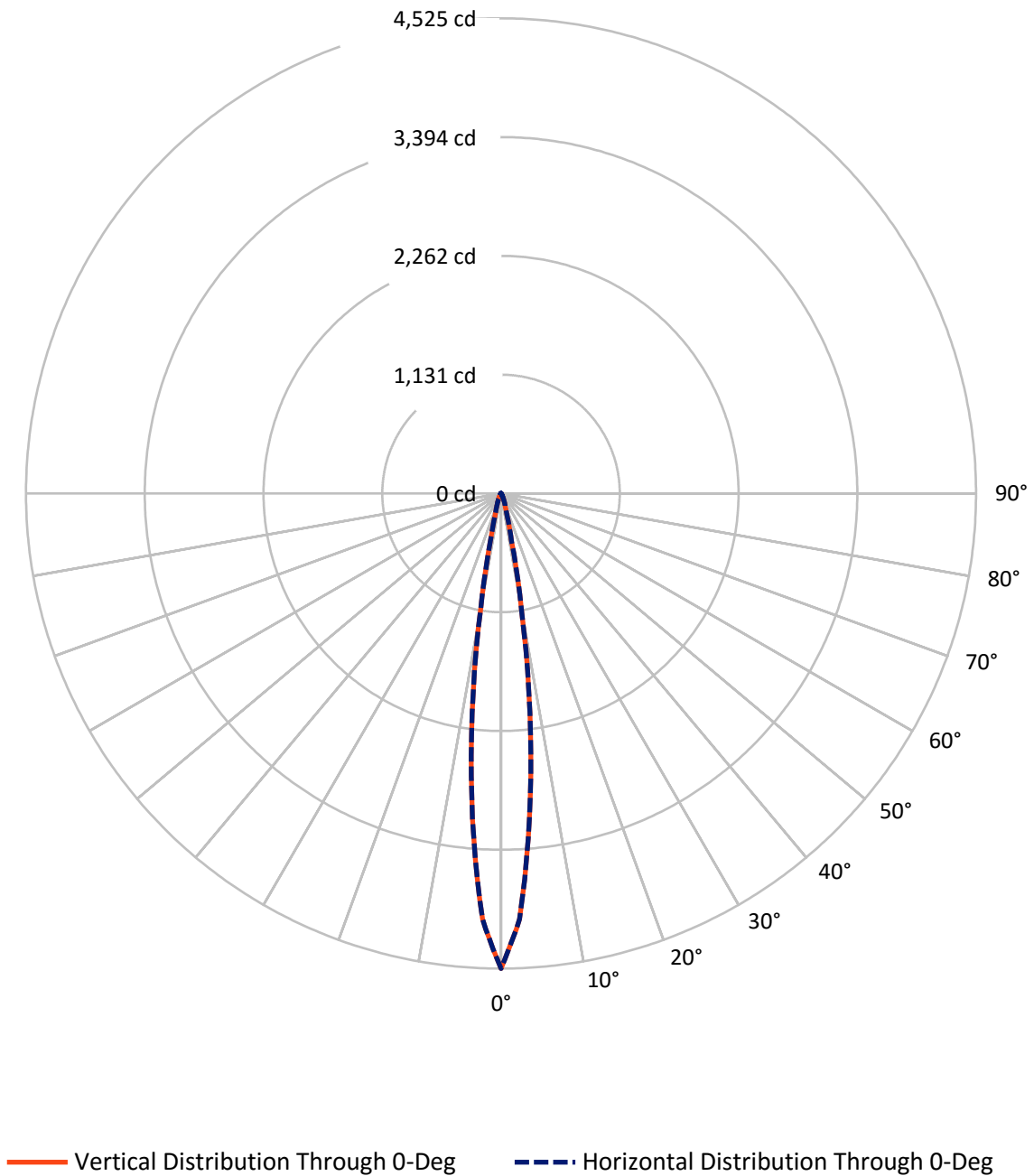
REPORT NUMBER: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-S-WT-L1-UNV

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	0.3	0.7	1.4	1.4	0.7	0.3	0.1	0.1	0.0	0.0	0.0			
20		0.0	0.0	0.1	0.2	0.7	2.8	8.1	8.1	2.8	0.7	0.2	0.1	0.0					
10	0.0	0.0	0.1	0.1	0.2	1.3	7.9	62.2	62.2	7.9	1.3	0.2	0.1	0.1	0.0	0.0			
0		0.0	0.1	0.1	0.2	1.3	7.9	62.2	62.2	7.9	1.3	0.2	0.1	0.1					
-10	0.0	0.0	0.0	0.1	0.2	0.7	2.8	8.1	8.1	2.8	0.7	0.2	0.1	0.0	0.0	0.0			
-20		0.0	0.0	0.1	0.1	0.3	0.7	1.4	1.4	0.7	0.3	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	0.1	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				
-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			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

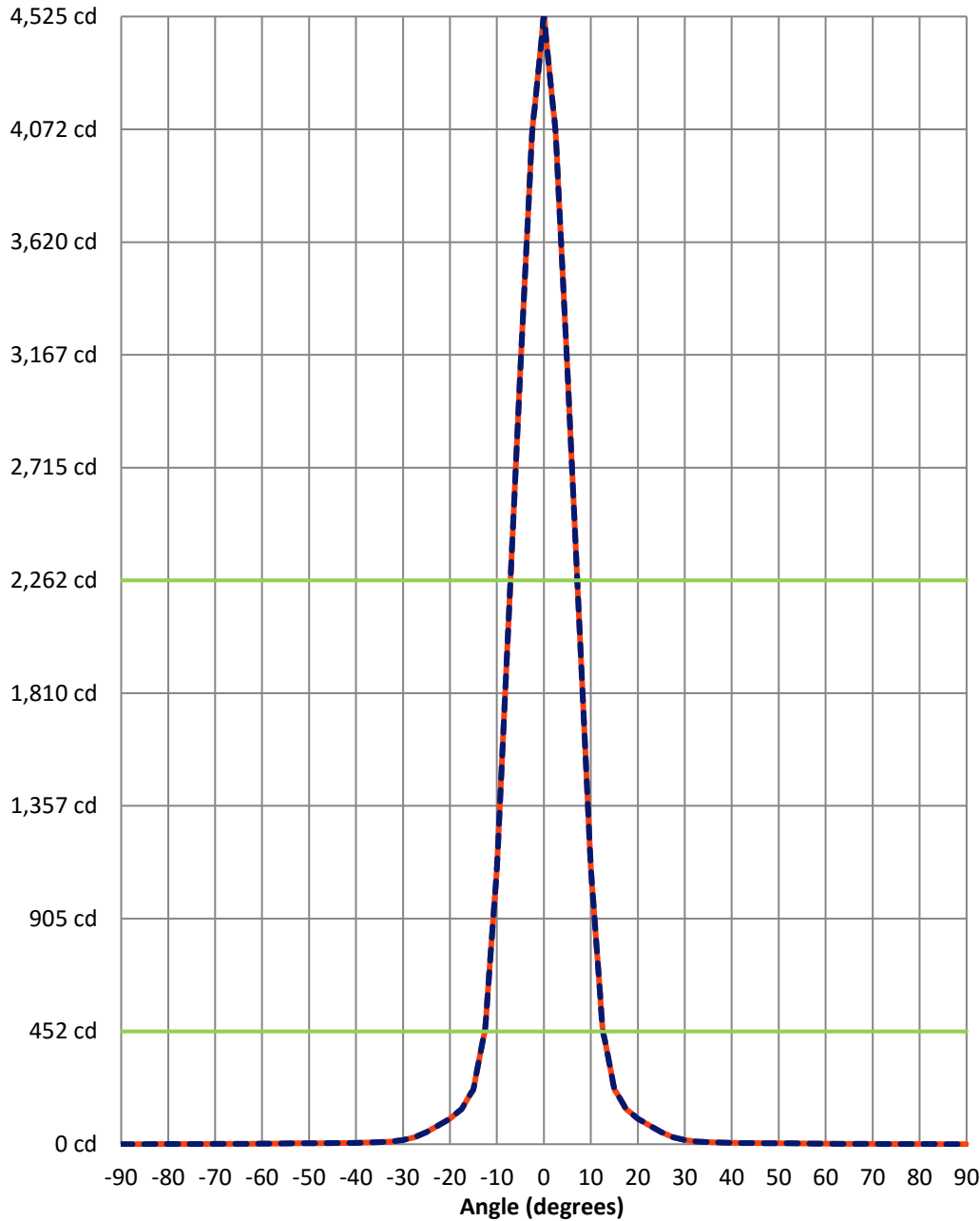
REPORT NUMBER: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-S-WT-L1-UNV

Luminous Intensity Polar Plot



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-S-WT-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 14.2°
 V Angle: 14.2°
 Lumens: 143.7
 Efficiency: 40.6%

Field:
 H Angle: 25.2°
 V Angle: 25.2°
 Lumens: 269.4
 Efficiency: 76.1%

Spill:
 Lumens: 84.4
 Efficiency: 23.9%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	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	1	1
70°	0	0	0	0	0	0	0	0	1	1	1
67.5°	0	0	0	0	0	0	0	1	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	1	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	1	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	2
32.5°	0	0	0	0	1	1	1	1	1	1	2
30°	0	0	0	0	1	1	1	1	1	1	2
27.5°	0	0	0	1	1	1	1	1	1	1	2
25°	0	0	0	1	1	1	1	1	1	2	2
22.5°	0	0	0	1	1	1	1	1	1	2	2
20°	0	0	0	1	1	1	1	1	1	2	2
17.5°	0	0	0	1	1	1	1	1	1	2	2
15°	0	0	0	1	1	1	1	1	1	2	2
12.5°	0	0	0	1	1	1	1	1	1	2	2
10°	0	0	0	1	1	1	1	1	1	2	2
7.5°	0	0	0	1	1	1	1	1	1	2	2
5°	0	0	0	1	1	1	1	1	1	2	2
2.5°	0	0	0	1	1	1	1	1	1	2	2
0°	0	0	0	1	1	1	1	1	2	2	2
-2.5°	0	0	0	1	1	1	1	1	1	2	2
-5°	0	0	0	1	1	1	1	1	1	2	2
-7.5°	0	0	0	1	1	1	1	1	1	2	2
-10°	0	0	0	1	1	1	1	1	1	2	2
-12.5°	0	0	0	1	1	1	1	1	1	2	2
-15°	0	0	0	1	1	1	1	1	1	2	2
-17.5°	0	0	0	1	1	1	1	1	1	2	2
-20°	0	0	0	1	1	1	1	1	1	2	2



REPORT NUMBER: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-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	2	2
-25°	0	0	0	1	1	1	1	1	1	2	2
-27.5°	0	0	0	1	1	1	1	1	1	1	2
-30°	0	0	0	0	1	1	1	1	1	1	2
-32.5°	0	0	0	0	1	1	1	1	1	1	2
-35°	0	0	0	0	1	1	1	1	1	1	2
-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	1	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	1	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	1	1	1	1
-70°	0	0	0	0	0	0	0	0	1	1	1
-72.5°	0	0	0	0	0	0	0	0	0	1	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: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-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	1	1	1	1	1
77.5°	0	0	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	2	2
60°	1	1	1	1	1	1	1	2	2	2	2
57.5°	1	1	1	1	1	2	2	2	2	2	2
55°	1	1	1	1	2	2	2	2	2	2	2
52.5°	1	1	1	2	2	2	2	2	2	2	2
50°	1	1	2	2	2	2	2	2	2	2	2
47.5°	1	1	2	2	2	2	2	2	2	2	2
45°	1	2	2	2	2	2	2	2	2	2	3
42.5°	1	2	2	2	2	2	2	2	2	3	3
40°	2	2	2	2	2	2	2	2	3	3	4
37.5°	2	2	2	2	2	2	2	3	3	4	4
35°	2	2	2	2	2	2	3	3	4	4	4
32.5°	2	2	2	2	2	2	3	4	4	4	4
30°	2	2	2	2	2	3	3	4	4	4	4
27.5°	2	2	2	2	2	3	4	4	4	4	4
25°	2	2	2	2	3	3	4	4	4	4	5
22.5°	2	2	2	2	3	3	4	4	4	5	5
20°	2	2	2	2	3	4	4	4	4	5	5
17.5°	2	2	2	2	3	4	4	4	4	5	5
15°	2	2	2	3	3	4	4	4	5	5	5
12.5°	2	2	2	3	3	4	4	4	5	5	6
10°	2	2	2	3	4	4	4	4	5	5	6
7.5°	2	2	2	3	4	4	4	4	5	5	6
5°	2	2	2	3	4	4	4	4	5	5	7
2.5°	2	2	2	3	4	4	4	4	5	5	7
0°	2	2	2	3	4	4	4	5	5	5	7
-2.5°	2	2	2	3	4	4	4	4	5	5	7
-5°	2	2	2	3	4	4	4	4	5	5	7
-7.5°	2	2	2	3	4	4	4	4	5	5	6
-10°	2	2	2	3	4	4	4	4	5	5	6
-12.5°	2	2	2	3	3	4	4	4	5	5	6
-15°	2	2	2	3	3	4	4	4	5	5	5
-17.5°	2	2	2	2	3	4	4	4	4	5	5
-20°	2	2	2	2	3	4	4	4	4	5	5



REPORT NUMBER: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-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°	2	2	2	2	3	3	4	4	4	5	5
-25°	2	2	2	2	3	3	4	4	4	4	5
-27.5°	2	2	2	2	2	3	4	4	4	4	4
-30°	2	2	2	2	2	3	3	4	4	4	4
-32.5°	2	2	2	2	2	2	3	4	4	4	4
-35°	2	2	2	2	2	2	3	3	4	4	4
-37.5°	2	2	2	2	2	2	2	3	3	4	4
-40°	2	2	2	2	2	2	2	2	3	3	4
-42.5°	1	2	2	2	2	2	2	2	2	3	3
-45°	1	2	2	2	2	2	2	2	2	2	3
-47.5°	1	1	2	2	2	2	2	2	2	2	2
-50°	1	1	2	2	2	2	2	2	2	2	2
-52.5°	1	1	1	2	2	2	2	2	2	2	2
-55°	1	1	1	1	2	2	2	2	2	2	2
-57.5°	1	1	1	1	1	2	2	2	2	2	2
-60°	1	1	1	1	1	1	1	2	2	2	2
-62.5°	1	1	1	1	1	1	1	1	1	2	2
-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	1	1	1	1	1	1	1	1	1
-80°	0	0	0	0	0	0	1	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: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-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	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	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
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°	2	2	2	2	2	2	2	2	3	3	3
52.5°	2	2	2	2	3	3	3	3	3	3	4
50°	2	2	3	3	3	3	4	4	4	4	4
47.5°	3	3	3	4	4	4	4	4	4	4	4
45°	3	4	4	4	4	4	4	4	4	4	4
42.5°	4	4	4	4	4	4	4	4	5	5	5
40°	4	4	4	4	4	5	5	5	5	5	5
37.5°	4	4	4	4	5	5	5	5	5	6	6
35°	4	4	5	5	5	5	5	6	7	7	8
32.5°	4	5	5	5	5	6	7	7	8	9	9
30°	5	5	5	5	6	7	8	9	10	11	13
27.5°	5	5	5	6	7	8	10	11	14	17	21
25°	5	5	6	7	9	10	13	16	22	27	34
22.5°	5	6	7	8	10	13	18	25	34	44	54
20°	5	7	8	10	13	18	26	38	50	65	78
17.5°	6	7	9	11	16	25	38	53	71	87	101
15°	7	8	10	14	22	34	50	71	90	111	134
12.5°	7	9	11	17	27	44	65	87	111	140	191
10°	8	9	13	21	34	54	78	101	134	191	278
7.5°	8	10	15	24	40	63	88	118	166	250	468
5°	8	10	16	26	45	69	96	131	196	340	743
2.5°	8	11	16	28	48	74	101	139	215	425	1010
0°	8	11	17	28	49	75	102	142	222	464	1109
-2.5°	8	11	16	28	48	74	101	139	215	425	1010
-5°	8	10	16	26	45	69	96	131	196	340	743
-7.5°	8	10	15	24	40	63	88	118	166	250	468
-10°	8	9	13	21	34	54	78	101	134	191	278
-12.5°	7	9	11	17	27	44	65	87	111	140	191
-15°	7	8	10	14	22	34	50	71	90	111	134
-17.5°	6	7	9	11	16	25	38	53	71	87	101
-20°	5	7	8	10	13	18	26	38	50	65	78



REPORT NUMBER: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-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	18	25	34	44	54
-25°	5	5	6	7	9	10	13	16	22	27	34
-27.5°	5	5	5	6	7	8	10	11	14	17	21
-30°	5	5	5	5	6	7	8	9	10	11	13
-32.5°	4	5	5	5	5	6	7	7	8	9	9
-35°	4	4	5	5	5	5	5	6	7	7	8
-37.5°	4	4	4	4	5	5	5	5	5	6	6
-40°	4	4	4	4	4	5	5	5	5	5	5
-42.5°	4	4	4	4	4	4	4	4	5	5	5
-45°	3	4	4	4	4	4	4	4	4	4	4
-47.5°	3	3	3	4	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	3	3	3	3	3	3	4
-55°	2	2	2	2	2	2	2	2	3	3	3
-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°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	1	1	2	2	2	2	2	2	2
-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	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: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-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	2	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
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°	4	4	4	4	4	4	4	4	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	5	4	4	4	4	4	4	4
42.5°	5	5	5	5	5	5	5	5	5	5	4
40°	5	5	5	5	5	5	5	5	5	5	5
37.5°	6	7	7	7	7	7	6	6	6	5	5
35°	8	8	8	8	8	8	8	8	7	7	6
32.5°	10	10	11	11	11	10	10	9	9	8	7
30°	15	16	16	17	16	16	15	13	11	10	9
27.5°	24	26	28	28	28	26	24	21	17	14	11
25°	40	45	48	49	48	45	40	34	27	22	16
22.5°	63	69	74	75	74	69	63	54	44	34	25
20°	88	96	101	102	101	96	88	78	65	50	38
17.5°	118	131	139	142	139	131	118	101	87	71	53
15°	166	196	215	222	215	196	166	134	111	90	71
12.5°	250	340	425	464	425	340	250	191	140	111	87
10°	468	743	1010	1109	1010	743	468	278	191	134	101
7.5°	917	1489	1940	2106	1940	1489	917	468	250	166	118
5°	1489	2285	2878	3112	2878	2285	1489	743	340	196	131
2.5°	1940	2878	3693	4059	3693	2878	1940	1010	425	215	139
0°	2106	3112	4059	4525	4059	3112	2106	1109	464	222	142
-2.5°	1940	2878	3693	4059	3693	2878	1940	1010	425	215	139
-5°	1489	2285	2878	3112	2878	2285	1489	743	340	196	131
-7.5°	917	1489	1940	2106	1940	1489	917	468	250	166	118
-10°	468	743	1010	1109	1010	743	468	278	191	134	101
-12.5°	250	340	425	464	425	340	250	191	140	111	87
-15°	166	196	215	222	215	196	166	134	111	90	71
-17.5°	118	131	139	142	139	131	118	101	87	71	53
-20°	88	96	101	102	101	96	88	78	65	50	38



REPORT NUMBER: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-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°	63	69	74	75	74	69	63	54	44	34	25
-25°	40	45	48	49	48	45	40	34	27	22	16
-27.5°	24	26	28	28	28	26	24	21	17	14	11
-30°	15	16	16	17	16	16	15	13	11	10	9
-32.5°	10	10	11	11	11	10	10	9	9	8	7
-35°	8	8	8	8	8	8	8	8	7	7	6
-37.5°	6	7	7	7	7	7	6	6	6	5	5
-40°	5	5	5	5	5	5	5	5	5	5	5
-42.5°	5	5	5	5	5	5	5	5	5	5	4
-45°	4	4	4	5	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°	4	4	4	4	4	4	4	4	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°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-70°	1	1	1	2	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: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-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	1	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°	2	2	2	1	1	1	1	1	1	1	1
65°	2	2	2	2	2	2	2	1	1	1	1
62.5°	2	2	2	2	2	2	2	2	2	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°	2	2	2	2	2	2	2	2	2	2	2
52.5°	3	3	3	2	2	2	2	2	2	2	2
50°	4	3	3	3	3	2	2	2	2	2	2
47.5°	4	4	4	4	3	3	3	2	2	2	2
45°	4	4	4	4	4	4	3	3	2	2	2
42.5°	4	4	4	4	4	4	4	3	3	2	2
40°	5	5	4	4	4	4	4	4	3	3	2
37.5°	5	5	5	4	4	4	4	4	4	3	3
35°	5	5	5	5	5	4	4	4	4	4	3
32.5°	7	6	5	5	5	5	4	4	4	4	4
30°	8	7	6	5	5	5	5	4	4	4	4
27.5°	10	8	7	6	5	5	5	4	4	4	4
25°	13	10	9	7	6	5	5	5	4	4	4
22.5°	18	13	10	8	7	6	5	5	5	4	4
20°	26	18	13	10	8	7	5	5	5	4	4
17.5°	38	25	16	11	9	7	6	5	5	4	4
15°	50	34	22	14	10	8	7	5	5	5	4
12.5°	65	44	27	17	11	9	7	6	5	5	4
10°	78	54	34	21	13	9	8	6	5	5	4
7.5°	88	63	40	24	15	10	8	6	5	5	4
5°	96	69	45	26	16	10	8	7	5	5	4
2.5°	101	74	48	28	16	11	8	7	5	5	4
0°	102	75	49	28	17	11	8	7	5	5	5
-2.5°	101	74	48	28	16	11	8	7	5	5	4
-5°	96	69	45	26	16	10	8	7	5	5	4
-7.5°	88	63	40	24	15	10	8	6	5	5	4
-10°	78	54	34	21	13	9	8	6	5	5	4
-12.5°	65	44	27	17	11	9	7	6	5	5	4
-15°	50	34	22	14	10	8	7	5	5	5	4
-17.5°	38	25	16	11	9	7	6	5	5	4	4
-20°	26	18	13	10	8	7	5	5	5	4	4



REPORT NUMBER: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-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°	18	13	10	8	7	6	5	5	5	4	4
-25°	13	10	9	7	6	5	5	5	4	4	4
-27.5°	10	8	7	6	5	5	5	4	4	4	4
-30°	8	7	6	5	5	5	5	4	4	4	4
-32.5°	7	6	5	5	5	5	4	4	4	4	4
-35°	5	5	5	5	5	4	4	4	4	4	3
-37.5°	5	5	5	4	4	4	4	4	4	3	3
-40°	5	5	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	4	3	3	2	2	2
-47.5°	4	4	4	4	3	3	3	2	2	2	2
-50°	4	3	3	3	3	2	2	2	2	2	2
-52.5°	3	3	3	2	2	2	2	2	2	2	2
-55°	2	2	2	2	2	2	2	2	2	2	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°	2	2	2	2	2	2	2	2	2	1	1
-65°	2	2	2	2	2	2	2	1	1	1	1
-67.5°	2	2	2	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	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: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-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°	1	0	0	0	0	0	0	0	0	0	0
77.5°	1	1	1	1	1	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	1	0	0
70°	1	1	1	1	1	1	1	1	1	1	0
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°	2	2	1	1	1	1	1	1	1	1	1
55°	2	2	2	1	1	1	1	1	1	1	1
52.5°	2	2	2	2	1	1	1	1	1	1	1
50°	2	2	2	2	2	1	1	1	1	1	1
47.5°	2	2	2	2	2	1	1	1	1	1	1
45°	2	2	2	2	2	2	1	1	1	1	1
42.5°	2	2	2	2	2	2	1	1	1	1	1
40°	2	2	2	2	2	2	2	1	1	1	1
37.5°	2	2	2	2	2	2	2	1	1	1	1
35°	3	2	2	2	2	2	2	2	1	1	1
32.5°	3	2	2	2	2	2	2	2	1	1	1
30°	3	3	2	2	2	2	2	2	1	1	1
27.5°	4	3	2	2	2	2	2	2	1	1	1
25°	4	3	3	2	2	2	2	2	2	1	1
22.5°	4	3	3	2	2	2	2	2	2	1	1
20°	4	4	3	2	2	2	2	2	2	1	1
17.5°	4	4	3	2	2	2	2	2	2	1	1
15°	4	4	3	3	2	2	2	2	2	1	1
12.5°	4	4	3	3	2	2	2	2	2	1	1
10°	4	4	4	3	2	2	2	2	2	1	1
7.5°	4	4	4	3	2	2	2	2	2	1	1
5°	4	4	4	3	2	2	2	2	2	1	1
2.5°	4	4	4	3	2	2	2	2	2	1	1
0°	4	4	4	3	2	2	2	2	2	2	1
-2.5°	4	4	4	3	2	2	2	2	2	1	1
-5°	4	4	4	3	2	2	2	2	2	1	1
-7.5°	4	4	4	3	2	2	2	2	2	1	1
-10°	4	4	4	3	2	2	2	2	2	1	1
-12.5°	4	4	3	3	2	2	2	2	2	1	1
-15°	4	4	3	3	2	2	2	2	2	1	1
-17.5°	4	4	3	2	2	2	2	2	2	1	1
-20°	4	4	3	2	2	2	2	2	2	1	1



REPORT NUMBER: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-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	2	2	2	2	1	1
-25°	4	3	3	2	2	2	2	2	2	1	1
-27.5°	4	3	2	2	2	2	2	2	1	1	1
-30°	3	3	2	2	2	2	2	2	1	1	1
-32.5°	3	2	2	2	2	2	2	2	1	1	1
-35°	3	2	2	2	2	2	2	2	1	1	1
-37.5°	2	2	2	2	2	2	2	1	1	1	1
-40°	2	2	2	2	2	2	2	1	1	1	1
-42.5°	2	2	2	2	2	2	1	1	1	1	1
-45°	2	2	2	2	2	2	1	1	1	1	1
-47.5°	2	2	2	2	2	1	1	1	1	1	1
-50°	2	2	2	2	2	1	1	1	1	1	1
-52.5°	2	2	2	2	1	1	1	1	1	1	1
-55°	2	2	2	1	1	1	1	1	1	1	1
-57.5°	2	2	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	0
-72.5°	1	1	1	1	1	1	1	1	1	0	0
-75°	1	1	1	1	1	1	1	0	0	0	0
-77.5°	1	1	1	1	1	0	0	0	0	0	0
-80°	1	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: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-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	1	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	1	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	1	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: P220305 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-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	1	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	1	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	1	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)