

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: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29416)
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-W-BK-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
WIDE FLOOD OPTIC, BLACK HOUSING.
Light Source: (1) 2700K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

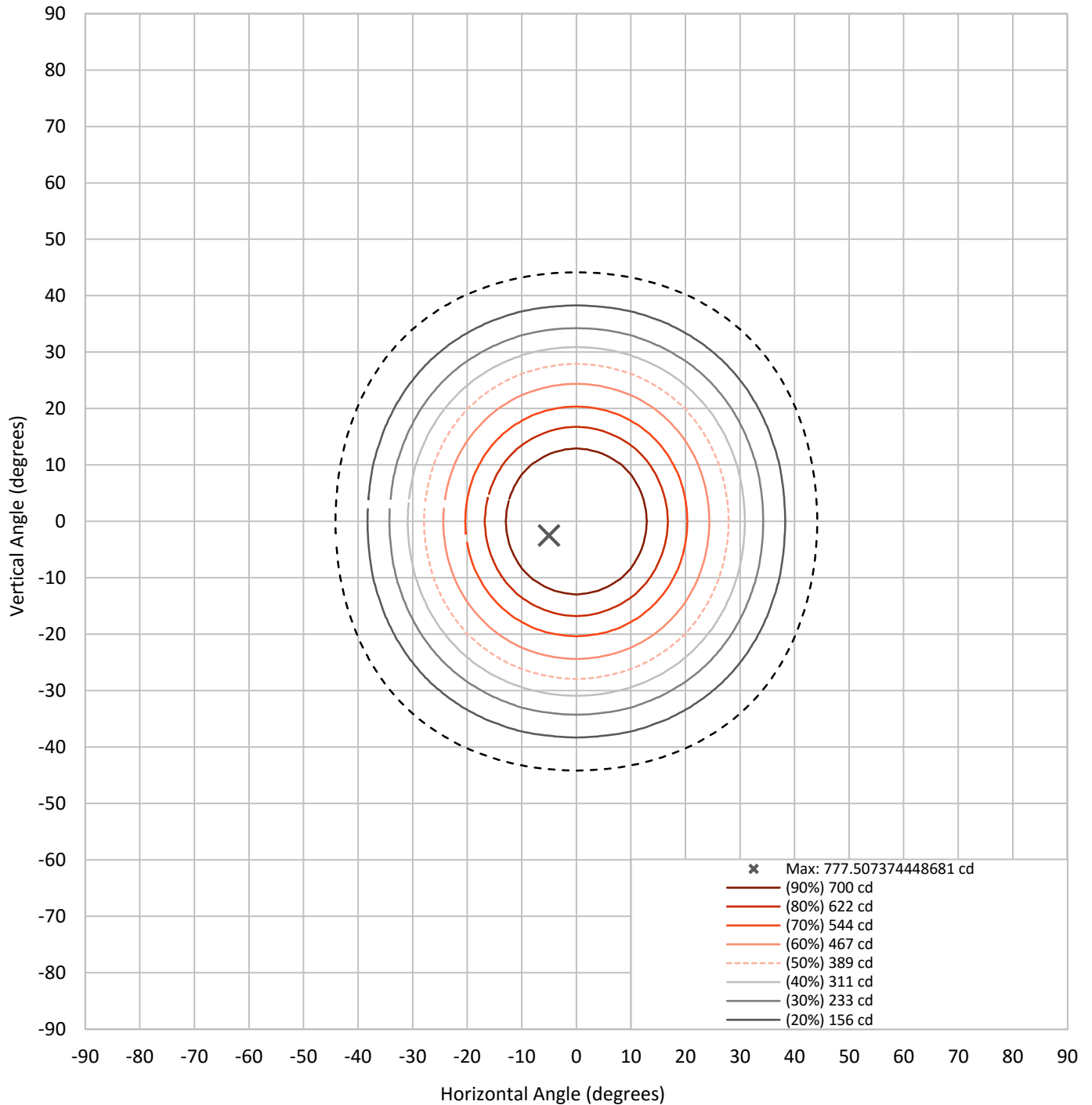
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	651.9 lumens	Max Intensity:	777.5 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	65.2 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	55.7°H x 55.1°V	Field Angle (10%):	88.2°H x 87.9°V
Beam Lumens:	418.2 lumens	Field Lumens:	629.2 lumens
Beam Efficiency:	64.2%	Field Efficiency:	96.5%
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: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-L1-UNV

Iso-Candela Plot





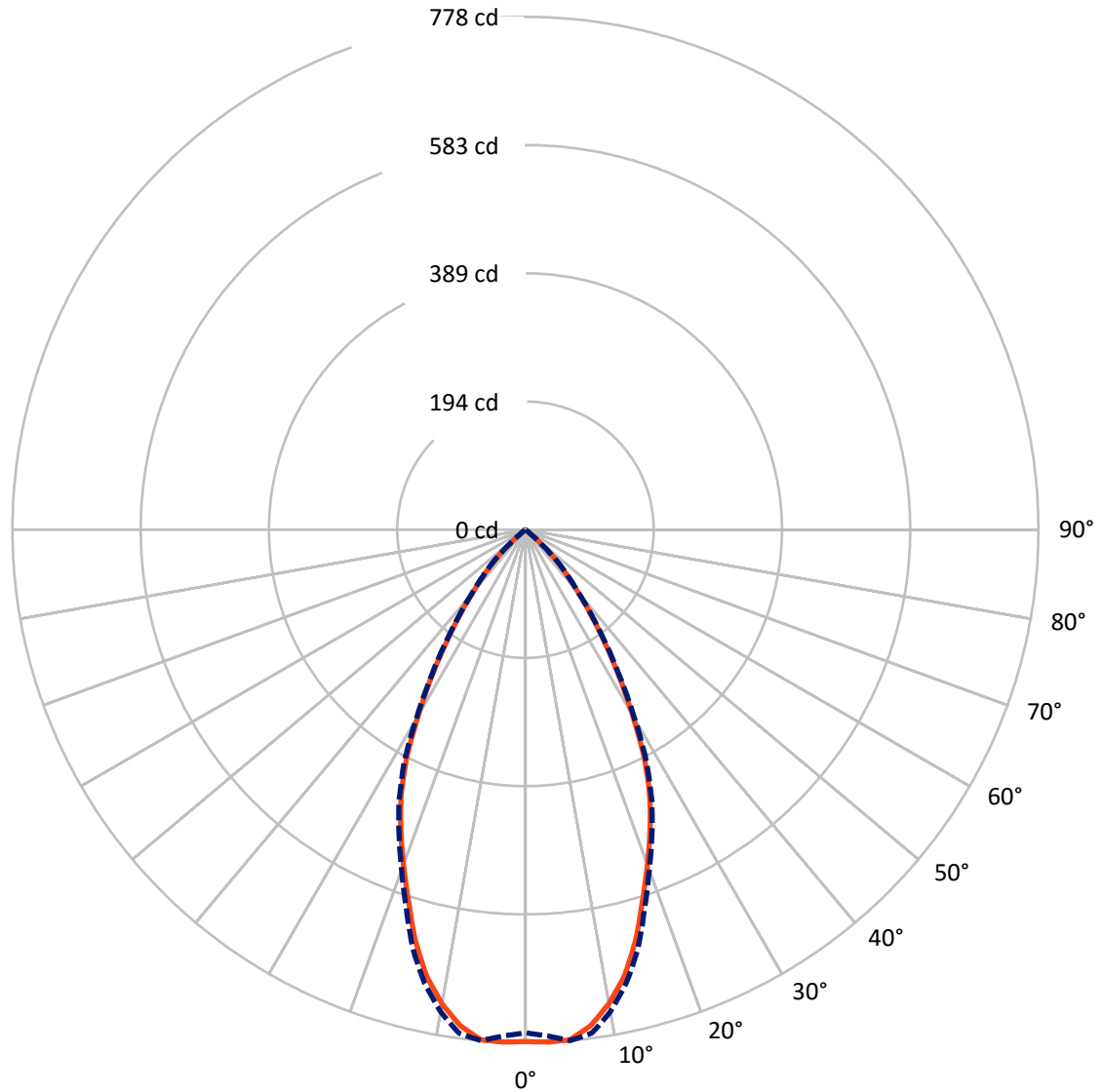
REPORT NUMBER: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-L1-UNV

Lumen Table

90	0.0																		
80	0.0																		
70	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	0.0	0.0	0.0			
50	0.0	0.0	0.0	0.1	0.6	1.4	2.0	2.0	1.4	0.6	0.1	0.0	0.0	0.0	0.0	0.0			
40	0.0	0.0	0.1	1.0	2.9	5.0	6.5	6.5	5.0	2.9	1.0	0.1	0.0	0.0	0.0	0.0			
30	0.0	0.0	0.4	2.6	6.2	10.5	13.2	13.2	10.5	6.2	2.6	0.4	0.0	0.0	0.0	0.0			
20	0.0	0.0	1.0	4.2	9.9	15.5	19.2	19.2	15.5	9.9	4.2	1.0	0.0	0.0	0.0	0.0			
10	0.0	0.0	1.4	5.4	12.1	18.7	23.0	23.0	18.7	12.1	5.4	1.4	0.0	0.0	0.0	0.0			
0	0.0	0.0	1.4	5.4	12.1	18.7	23.0	23.0	18.7	12.1	5.4	1.4	0.0	0.0	0.0	0.0			
-10	0.0	0.0	1.0	4.2	9.9	15.5	19.2	19.2	15.5	9.9	4.2	1.0	0.0	0.0	0.0	0.0			
-20	0.0	0.0	0.4	2.6	6.2	10.5	13.2	13.2	10.5	6.2	2.6	0.4	0.0	0.0	0.0	0.0			
-30	0.0	0.0	0.1	1.0	2.9	5.0	6.5	6.5	5.0	2.9	1.0	0.1	0.0	0.0	0.0	0.0			
-40	0.0	0.0	0.0	0.1	0.6	1.4	2.0	2.0	1.4	0.6	0.1	0.0	0.0	0.0	0.0	0.0			
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	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	0.0	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																		
-90	0.0																		
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-L1-UNV

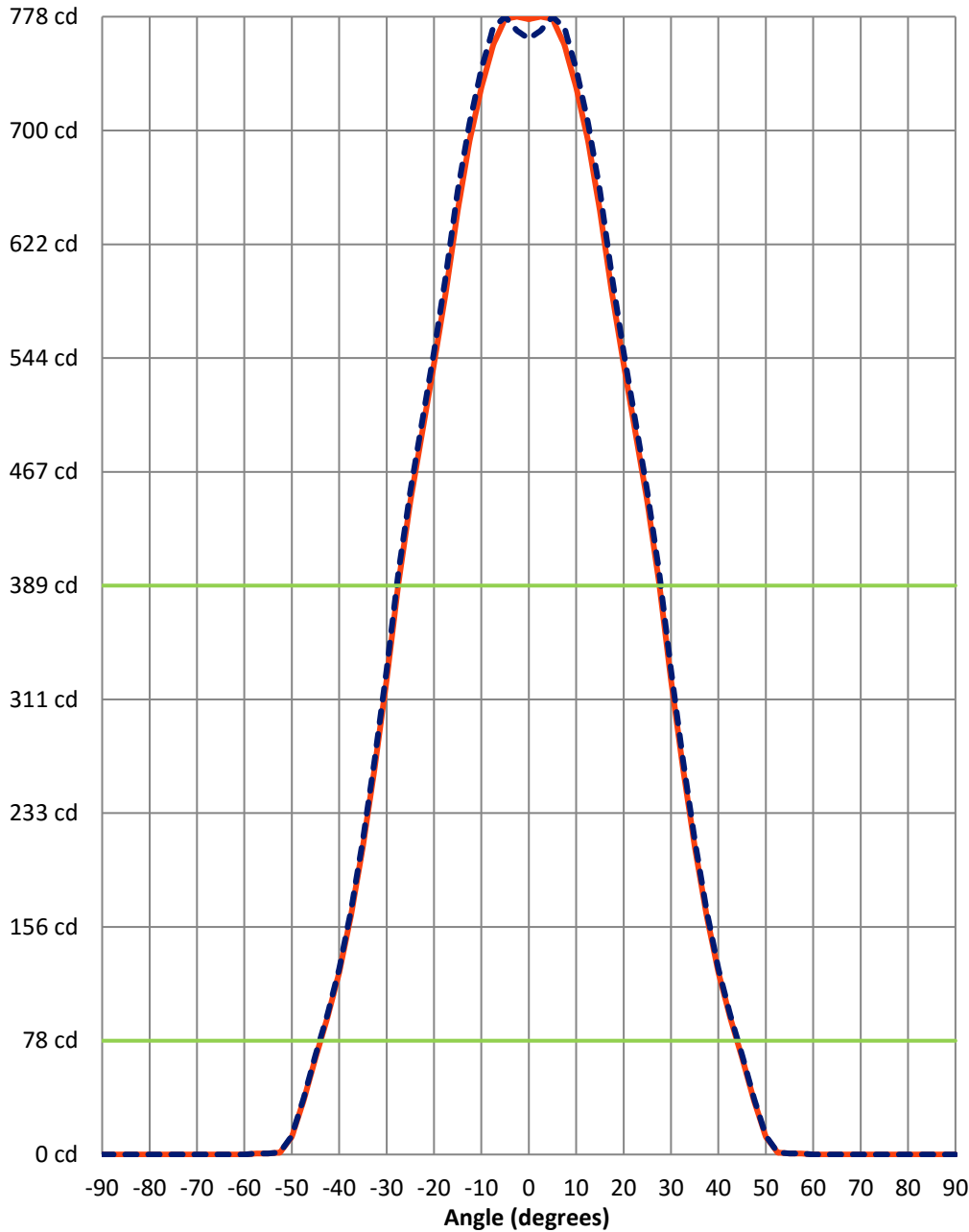
Luminous Intensity Polar Plot



— Vertical Distribution Through -5-Deg - - - Horizontal Distribution Through -2.5-Deg

REPORT NUMBER: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-L1-UNV

Luminous Intensity Plot



Beam:
H Angle: 55.7°
V Angle: 55.1°
Lumens: 418.2
Efficiency: 64.2%

Field:
H Angle: 88.2°
V Angle: 87.9°
Lumens: 629.2
Efficiency: 96.5%

Spill:
Lumens: 22.7
Efficiency: 3.5%

— Vertical Distribution through -5-Deg
- - Horizontal Distribution through -2.5-Deg



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-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	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-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	0	0	0	0	0	0	0	0
-25°	0	0	0	0	0	0	0	0	0	0	0
-27.5°	0	0	0	0	0	0	0	0	0	0	0
-30°	0	0	0	0	0	0	0	0	0	0	0
-32.5°	0	0	0	0	0	0	0	0	0	0	0
-35°	0	0	0	0	0	0	0	0	0	0	0
-37.5°	0	0	0	0	0	0	0	0	0	0	0
-40°	0	0	0	0	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-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: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-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	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	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	1
45°	0	0	0	0	0	0	0	0	0	1	1
42.5°	0	0	0	0	0	0	0	0	1	1	1
40°	0	0	0	0	0	0	0	1	1	1	1
37.5°	0	0	0	0	0	0	1	1	1	1	8
35°	0	0	0	0	0	0	1	1	1	8	19
32.5°	0	0	0	0	0	1	1	1	6	16	34
30°	0	0	0	0	1	1	1	3	12	29	50
27.5°	0	0	0	0	1	1	1	8	22	43	65
25°	0	0	0	0	1	1	3	12	33	56	79
22.5°	0	0	0	1	1	1	7	21	44	69	92
20°	0	0	0	1	1	1	10	30	55	80	105
17.5°	0	0	0	1	1	3	14	38	65	90	117
15°	0	0	0	1	1	5	21	46	73	99	128
12.5°	0	0	0	1	1	8	26	53	80	108	140
10°	0	0	1	1	1	10	31	58	86	115	150
7.5°	0	0	1	1	1	11	34	63	90	120	158
5°	0	0	1	1	1	12	37	66	93	124	164
2.5°	0	0	1	1	1	13	38	68	95	127	167
0°	0	0	1	1	1	13	39	69	96	128	168
-2.5°	0	0	1	1	1	13	39	69	96	128	168
-5°	0	0	1	1	1	12	37	66	93	124	164
-7.5°	0	0	1	1	1	11	34	63	90	120	158
-10°	0	0	1	1	1	10	31	58	86	115	150
-12.5°	0	0	0	1	1	8	26	53	80	108	140
-15°	0	0	0	1	1	5	21	46	73	99	128
-17.5°	0	0	0	1	1	3	14	38	65	90	117
-20°	0	0	0	1	1	1	10	30	55	80	105



REPORT NUMBER: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	0	0	0	1	1	1	7	21	44	69	92
-25°	0	0	0	0	1	1	3	12	33	56	79
-27.5°	0	0	0	0	1	1	1	8	22	43	65
-30°	0	0	0	0	1	1	1	3	12	29	50
-32.5°	0	0	0	0	0	1	1	1	6	16	34
-35°	0	0	0	0	0	0	1	1	1	8	19
-37.5°	0	0	0	0	0	0	1	1	1	1	8
-40°	0	0	0	0	0	0	0	1	1	1	1
-42.5°	0	0	0	0	0	0	0	0	1	1	1
-45°	0	0	0	0	0	0	0	0	0	1	1
-47.5°	0	0	0	0	0	0	0	0	0	0	1
-50°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-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: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-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	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	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	1
55°	0	0	0	0	0	1	1	1	1	1	1
52.5°	0	0	1	1	1	1	1	1	1	1	1
50°	0	1	1	1	1	1	1	3	5	8	10
47.5°	1	1	1	1	3	7	10	14	21	26	31
45°	1	1	3	8	12	21	30	38	46	53	58
42.5°	1	6	12	22	33	44	55	65	73	80	86
40°	8	16	29	43	56	69	80	90	99	108	115
37.5°	19	34	50	65	79	92	105	117	128	140	150
35°	35	53	71	86	102	117	133	150	165	180	193
32.5°	53	72	90	108	126	147	167	188	208	226	242
30°	71	90	110	131	155	180	206	232	256	278	297
27.5°	86	108	131	158	188	217	249	279	308	333	357
25°	102	126	155	188	221	258	294	329	363	394	417
22.5°	117	147	180	217	258	299	340	382	417	444	465
20°	133	167	206	249	294	340	388	428	459	485	508
17.5°	150	188	232	279	329	382	428	464	496	525	550
15°	165	208	256	308	363	417	459	496	531	563	594
12.5°	180	226	278	333	394	444	485	525	563	602	641
10°	193	242	297	357	417	465	508	550	594	641	681
7.5°	203	255	313	376	434	481	527	572	623	672	709
5°	210	265	324	390	446	493	540	589	645	693	729
2.5°	215	270	331	398	453	501	549	601	659	705	742
0°	217	272	333	401	455	503	551	605	663	709	746
-2.5°	215	270	331	398	453	501	549	601	659	705	742
-5°	210	265	324	390	446	493	540	589	645	693	729
-7.5°	203	255	313	376	434	481	527	572	623	672	709
-10°	193	242	297	357	417	465	508	550	594	641	681
-12.5°	180	226	278	333	394	444	485	525	563	602	641
-15°	165	208	256	308	363	417	459	496	531	563	594
-17.5°	150	188	232	279	329	382	428	464	496	525	550
-20°	133	167	206	249	294	340	388	428	459	485	508



REPORT NUMBER: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	117	147	180	217	258	299	340	382	417	444	465
-25°	102	126	155	188	221	258	294	329	363	394	417
-27.5°	86	108	131	158	188	217	249	279	308	333	357
-30°	71	90	110	131	155	180	206	232	256	278	297
-32.5°	53	72	90	108	126	147	167	188	208	226	242
-35°	35	53	71	86	102	117	133	150	165	180	193
-37.5°	19	34	50	65	79	92	105	117	128	140	150
-40°	8	16	29	43	56	69	80	90	99	108	115
-42.5°	1	6	12	22	33	44	55	65	73	80	86
-45°	1	1	3	8	12	21	30	38	46	53	58
-47.5°	1	1	1	1	3	7	10	14	21	26	31
-50°	0	1	1	1	1	1	1	3	5	8	10
-52.5°	0	0	1	1	1	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	0	0	0	0	1
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-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: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-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°	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	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	1	1	1	1	1	1	1	1	0	0	0
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°	11	12	13	13	13	12	11	10	8	5	3
47.5°	34	37	38	39	38	37	34	31	26	21	14
45°	63	66	68	69	68	66	63	58	53	46	38
42.5°	90	93	95	96	95	93	90	86	80	73	65
40°	120	124	127	128	127	124	120	115	108	99	90
37.5°	158	164	167	168	167	164	158	150	140	128	117
35°	203	210	215	217	215	210	203	193	180	165	150
32.5°	255	265	270	272	270	265	255	242	226	208	188
30°	313	324	331	333	331	324	313	297	278	256	232
27.5°	376	390	398	401	398	390	376	357	333	308	279
25°	434	446	453	455	453	446	434	417	394	363	329
22.5°	481	493	501	503	501	493	481	465	444	417	382
20°	527	540	549	551	549	540	527	508	485	459	428
17.5°	572	589	601	605	601	589	572	550	525	496	464
15°	623	645	659	663	659	645	623	594	563	531	496
12.5°	672	693	705	709	705	693	672	641	602	563	525
10°	709	729	742	746	742	729	709	681	641	594	550
7.5°	738	758	770	773	770	758	738	709	672	623	572
5°	758	776	778	776	778	776	758	729	693	645	589
2.5°	770	778	768	762	768	778	770	742	705	659	601
0°	773	776	762	761	762	776	773	746	709	663	605
-2.5°	770	778	768	762	768	778	770	742	705	659	601
-5°	758	776	778	776	778	776	758	729	693	645	589
-7.5°	738	758	770	773	770	758	738	709	672	623	572
-10°	709	729	742	746	742	729	709	681	641	594	550
-12.5°	672	693	705	709	705	693	672	641	602	563	525
-15°	623	645	659	663	659	645	623	594	563	531	496
-17.5°	572	589	601	605	601	589	572	550	525	496	464
-20°	527	540	549	551	549	540	527	508	485	459	428



REPORT NUMBER: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	481	493	501	503	501	493	481	465	444	417	382
-25°	434	446	453	455	453	446	434	417	394	363	329
-27.5°	376	390	398	401	398	390	376	357	333	308	279
-30°	313	324	331	333	331	324	313	297	278	256	232
-32.5°	255	265	270	272	270	265	255	242	226	208	188
-35°	203	210	215	217	215	210	203	193	180	165	150
-37.5°	158	164	167	168	167	164	158	150	140	128	117
-40°	120	124	127	128	127	124	120	115	108	99	90
-42.5°	90	93	95	96	95	93	90	86	80	73	65
-45°	63	66	68	69	68	66	63	58	53	46	38
-47.5°	34	37	38	39	38	37	34	31	26	21	14
-50°	11	12	13	13	13	12	11	10	8	5	3
-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	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-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: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-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°	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	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
55°	1	1	0	0	0	0	0	0	0	0	0
52.5°	1	1	1	1	1	0	0	0	0	0	0
50°	1	1	1	1	1	1	0	0	0	0	0
47.5°	10	7	3	1	1	1	1	1	0	0	0
45°	30	21	12	8	3	1	1	1	1	0	0
42.5°	55	44	33	22	12	6	1	1	1	1	0
40°	80	69	56	43	29	16	8	1	1	1	1
37.5°	105	92	79	65	50	34	19	8	1	1	1
35°	133	117	102	86	71	53	35	19	8	1	1
32.5°	167	147	126	108	90	72	53	34	16	6	1
30°	206	180	155	131	110	90	71	50	29	12	3
27.5°	249	217	188	158	131	108	86	65	43	22	8
25°	294	258	221	188	155	126	102	79	56	33	12
22.5°	340	299	258	217	180	147	117	92	69	44	21
20°	388	340	294	249	206	167	133	105	80	55	30
17.5°	428	382	329	279	232	188	150	117	90	65	38
15°	459	417	363	308	256	208	165	128	99	73	46
12.5°	485	444	394	333	278	226	180	140	108	80	53
10°	508	465	417	357	297	242	193	150	115	86	58
7.5°	527	481	434	376	313	255	203	158	120	90	63
5°	540	493	446	390	324	265	210	164	124	93	66
2.5°	549	501	453	398	331	270	215	167	127	95	68
0°	551	503	455	401	333	272	217	168	128	96	69
-2.5°	549	501	453	398	331	270	215	167	127	95	68
-5°	540	493	446	390	324	265	210	164	124	93	66
-7.5°	527	481	434	376	313	255	203	158	120	90	63
-10°	508	465	417	357	297	242	193	150	115	86	58
-12.5°	485	444	394	333	278	226	180	140	108	80	53
-15°	459	417	363	308	256	208	165	128	99	73	46
-17.5°	428	382	329	279	232	188	150	117	90	65	38
-20°	388	340	294	249	206	167	133	105	80	55	30



REPORT NUMBER: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	340	299	258	217	180	147	117	92	69	44	21
-25°	294	258	221	188	155	126	102	79	56	33	12
-27.5°	249	217	188	158	131	108	86	65	43	22	8
-30°	206	180	155	131	110	90	71	50	29	12	3
-32.5°	167	147	126	108	90	72	53	34	16	6	1
-35°	133	117	102	86	71	53	35	19	8	1	1
-37.5°	105	92	79	65	50	34	19	8	1	1	1
-40°	80	69	56	43	29	16	8	1	1	1	1
-42.5°	55	44	33	22	12	6	1	1	1	1	0
-45°	30	21	12	8	3	1	1	1	1	0	0
-47.5°	10	7	3	1	1	1	1	1	0	0	0
-50°	1	1	1	1	1	1	0	0	0	0	0
-52.5°	1	1	1	1	1	0	0	0	0	0	0
-55°	1	1	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-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: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-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°	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	0
70°	0	0	0	0	0	0	0	0	0	0	0
67.5°	0	0	0	0	0	0	0	0	0	0	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0	0	0	0	0
37.5°	1	0	0	0	0	0	0	0	0	0	0
35°	1	0	0	0	0	0	0	0	0	0	0
32.5°	1	1	0	0	0	0	0	0	0	0	0
30°	1	1	1	0	0	0	0	0	0	0	0
27.5°	1	1	1	0	0	0	0	0	0	0	0
25°	3	1	1	0	0	0	0	0	0	0	0
22.5°	7	1	1	1	0	0	0	0	0	0	0
20°	10	1	1	1	0	0	0	0	0	0	0
17.5°	14	3	1	1	0	0	0	0	0	0	0
15°	21	5	1	1	0	0	0	0	0	0	0
12.5°	26	8	1	1	0	0	0	0	0	0	0
10°	31	10	1	1	1	0	0	0	0	0	0
7.5°	34	11	1	1	1	0	0	0	0	0	0
5°	37	12	1	1	1	0	0	0	0	0	0
2.5°	38	13	1	1	1	0	0	0	0	0	0
0°	39	13	1	1	1	0	0	0	0	0	0
-2.5°	38	13	1	1	1	0	0	0	0	0	0
-5°	37	12	1	1	1	0	0	0	0	0	0
-7.5°	34	11	1	1	1	0	0	0	0	0	0
-10°	31	10	1	1	1	0	0	0	0	0	0
-12.5°	26	8	1	1	0	0	0	0	0	0	0
-15°	21	5	1	1	0	0	0	0	0	0	0
-17.5°	14	3	1	1	0	0	0	0	0	0	0
-20°	10	1	1	1	0	0	0	0	0	0	0



REPORT NUMBER: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-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	1	1	1	0	0	0	0	0	0	0
-25°	3	1	1	0	0	0	0	0	0	0	0
-27.5°	1	1	1	0	0	0	0	0	0	0	0
-30°	1	1	1	0	0	0	0	0	0	0	0
-32.5°	1	1	0	0	0	0	0	0	0	0	0
-35°	1	0	0	0	0	0	0	0	0	0	0
-37.5°	1	0	0	0	0	0	0	0	0	0	0
-40°	0	0	0	0	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-70°	0	0	0	0	0	0	0	0	0	0	0
-72.5°	0	0	0	0	0	0	0	0	0	0	0
-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: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-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°	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0



REPORT NUMBER: P220365 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2797-W-BK-L1-UNV

CANDELA DISTRIBUTION (continued):

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