

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: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29424)
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-LED2797-W-BK-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH 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:	682.7 lumens	Max Intensity:	753.7 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -5°V
Efficacy:	68.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	56.2°H x 56.2°V	Field Angle (10%):	89.9°H x 89.9°V
Beam Lumens:	421.1 lumens	Field Lumens:	636.6 lumens
Beam Efficiency:	61.7%	Field Efficiency:	93.2%

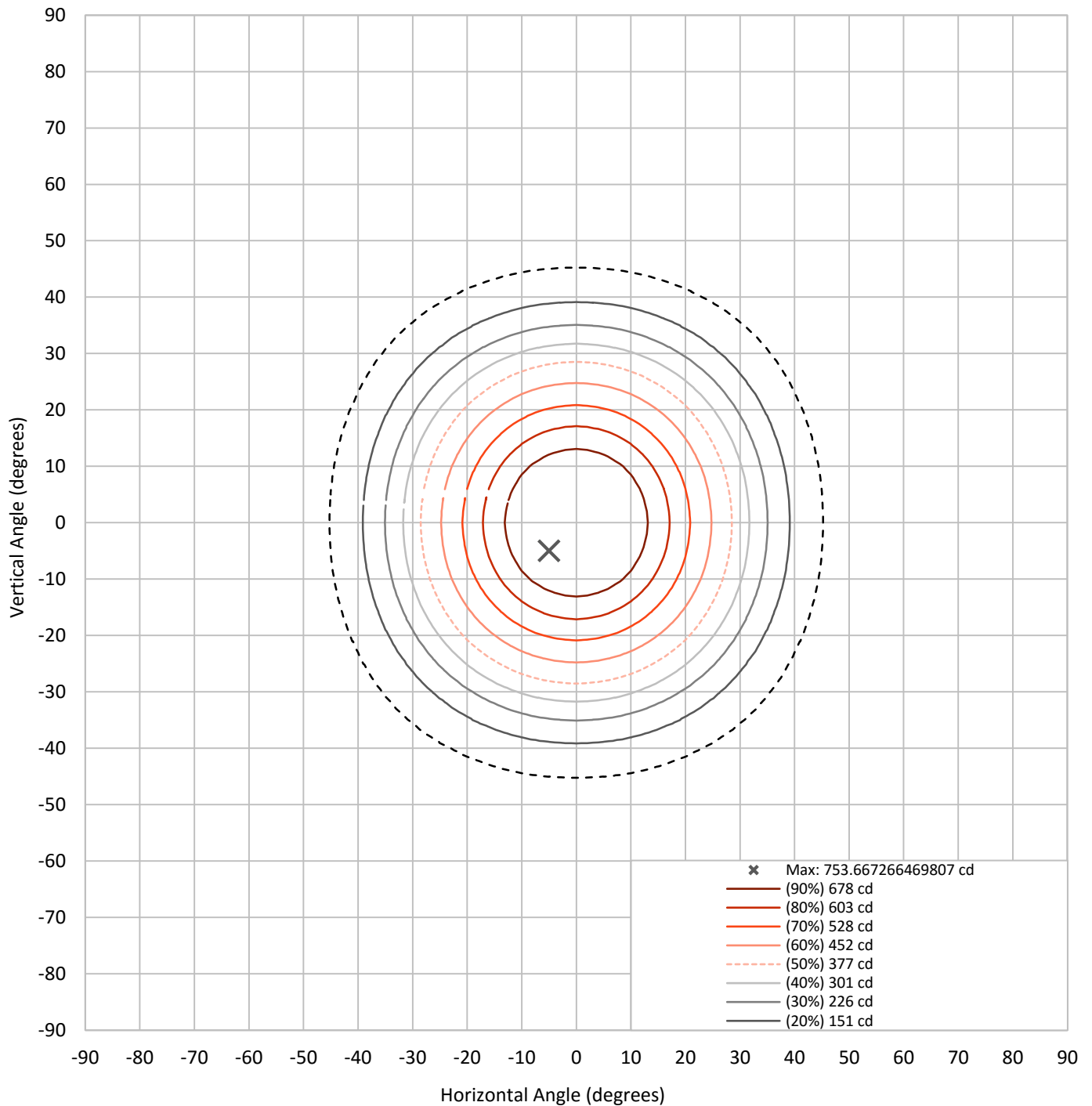
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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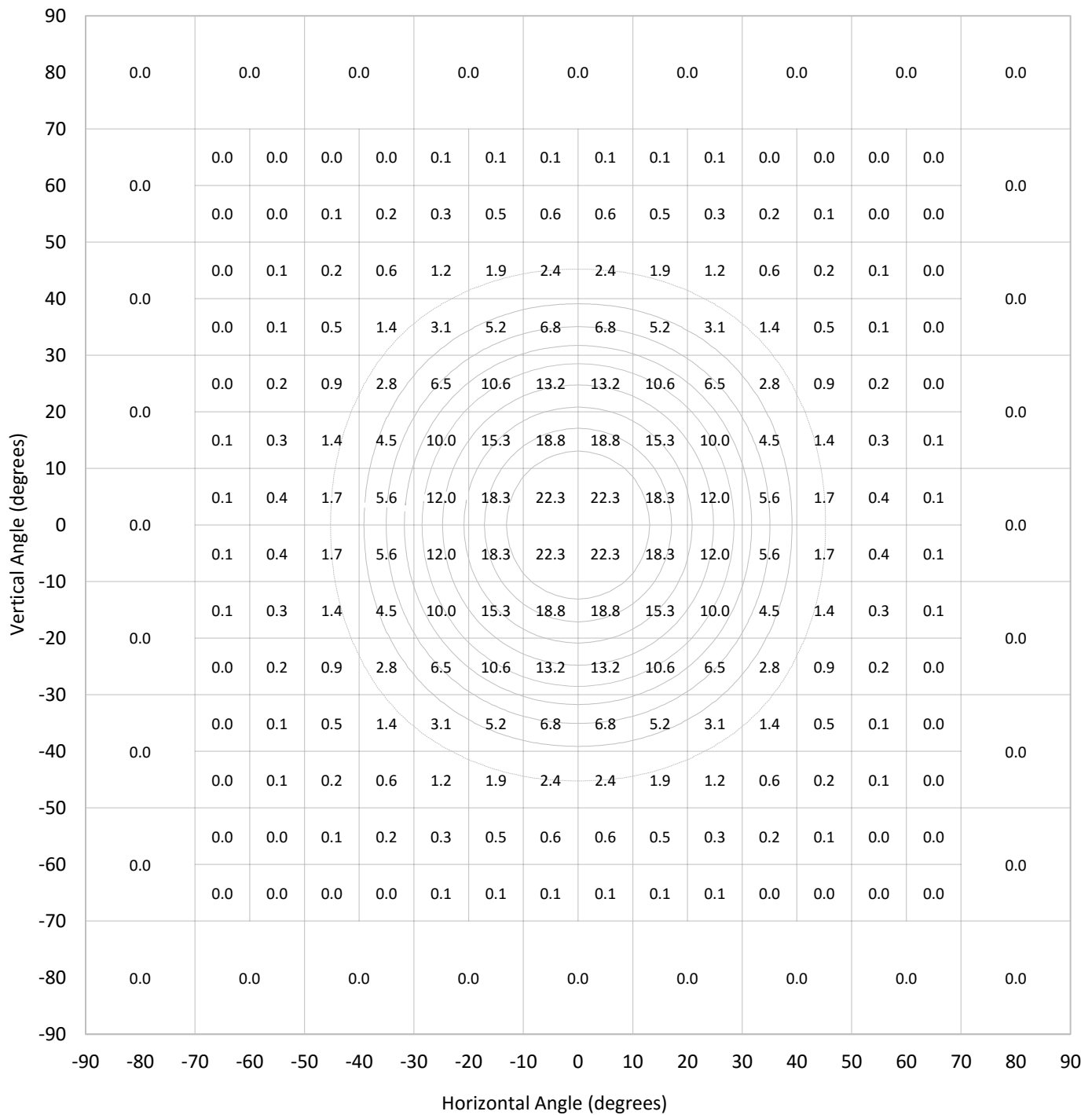
Iso-Candela Plot





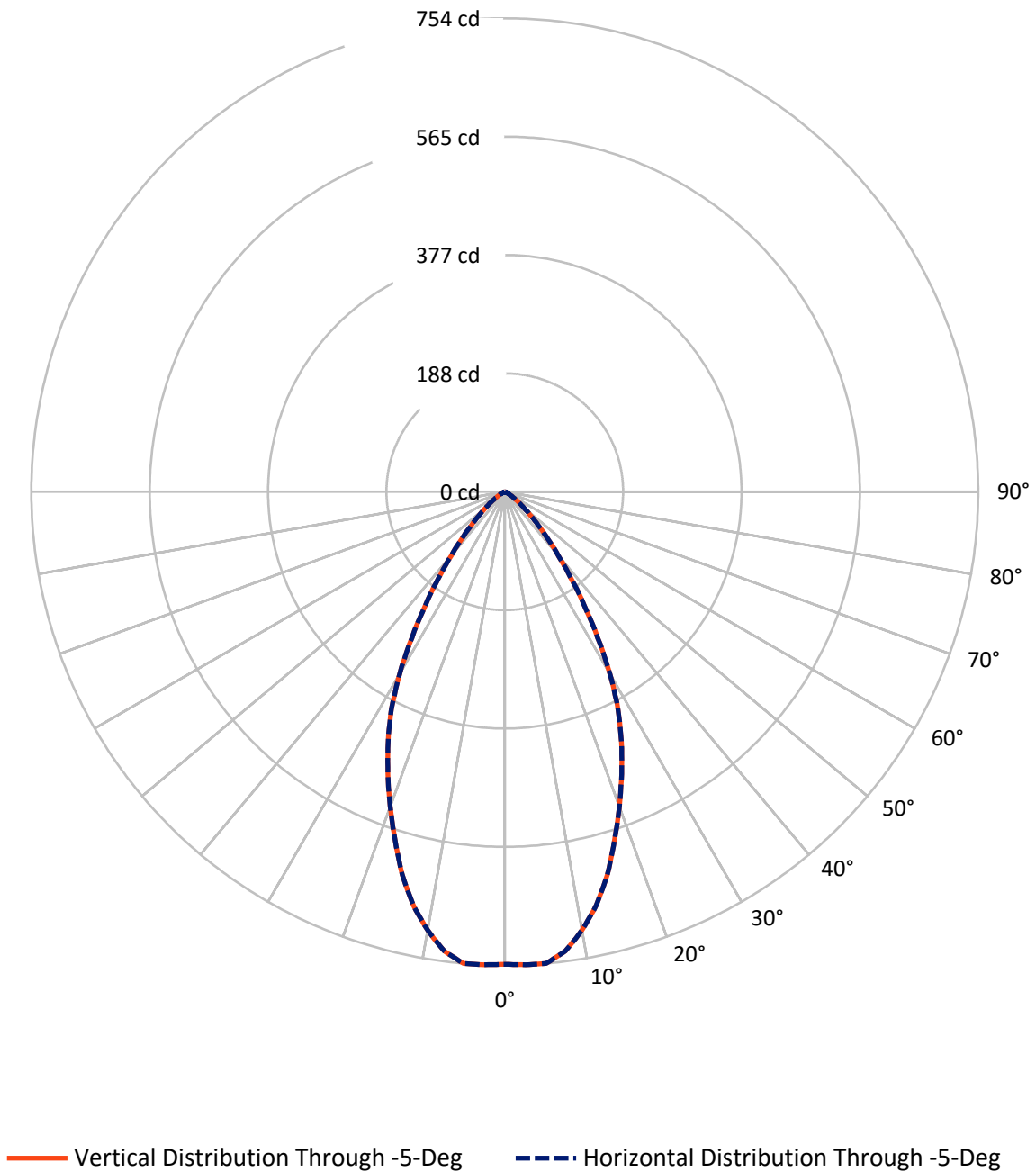
REPORT NUMBER: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED2797-W-BK-L1-UNV

Lumen Table



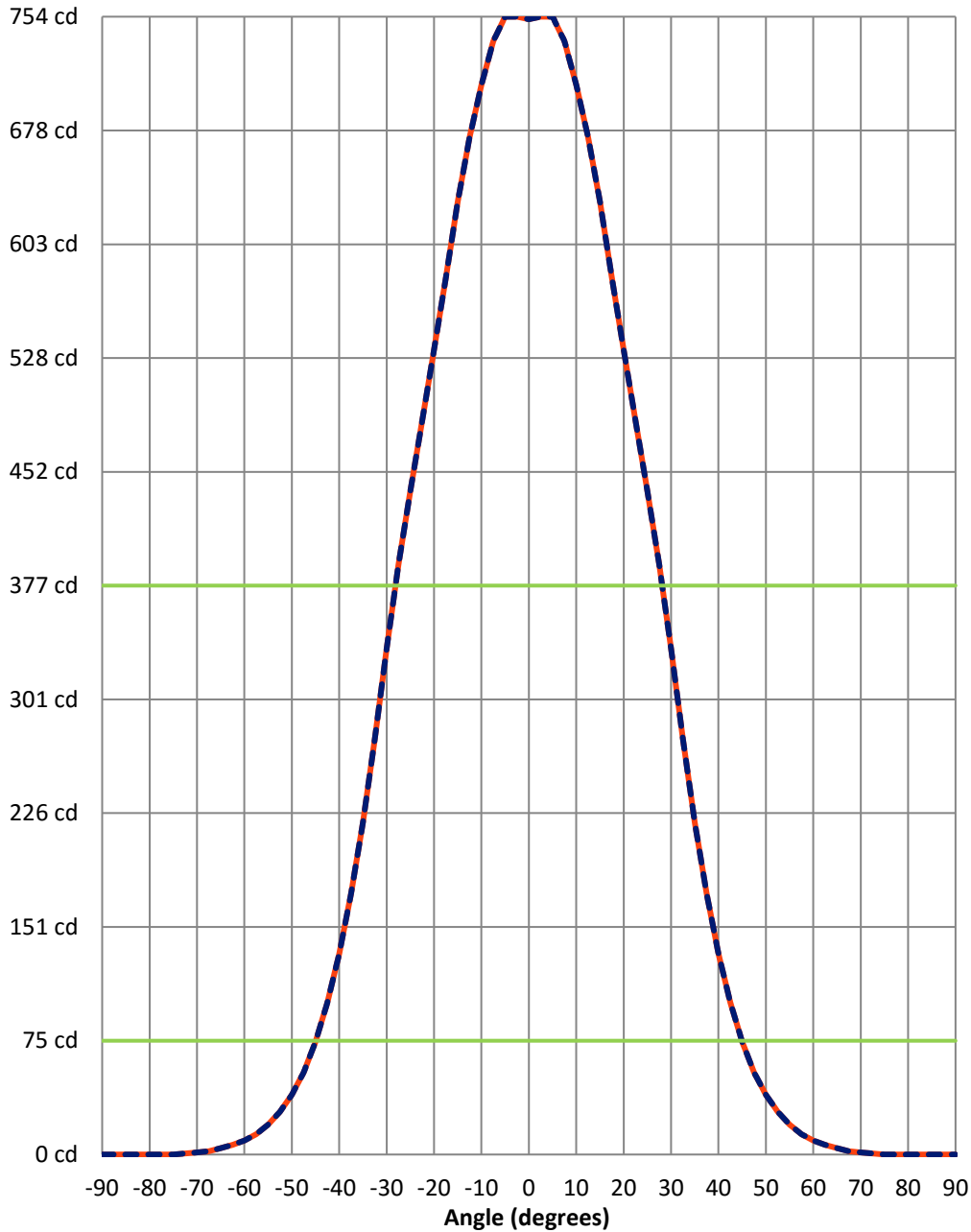
REPORT NUMBER: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 56.2°
 V Angle: 56.2°
 Lumens: 421.1
 Efficiency: 61.7%

Field:
 H Angle: 89.9°
 V Angle: 89.9°
 Lumens: 636.6
 Efficiency: 93.2%

Spill:
 Lumens: 46.1
 Efficiency: 6.8%

- Vertical Distribution through -5-Deg
- - - Horizontal Distribution through -5-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	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	1
42.5°	0	0	0	0	0	0	0	0	0	0	1
40°	0	0	0	0	0	0	0	0	0	1	1
37.5°	0	0	0	0	0	0	0	0	0	1	1
35°	0	0	0	0	0	0	0	0	0	1	1
32.5°	0	0	0	0	0	0	0	0	0	1	2
30°	0	0	0	0	0	0	0	0	1	1	2
27.5°	0	0	0	0	0	0	0	0	1	1	2
25°	0	0	0	0	0	0	0	0	1	1	2
22.5°	0	0	0	0	0	0	0	0	1	2	3
20°	0	0	0	0	0	0	0	0	1	2	3
17.5°	0	0	0	0	0	0	0	0	1	2	3
15°	0	0	0	0	0	0	0	1	1	2	4
12.5°	0	0	0	0	0	0	0	1	1	2	4
10°	0	0	0	0	0	0	0	1	1	2	4
7.5°	0	0	0	0	0	0	0	1	1	2	4
5°	0	0	0	0	0	0	0	1	1	2	4
2.5°	0	0	0	0	0	0	0	1	1	2	4
0°	0	0	0	0	0	0	0	1	1	2	4
-2.5°	0	0	0	0	0	0	0	1	1	2	4
-5°	0	0	0	0	0	0	0	1	1	2	4
-7.5°	0	0	0	0	0	0	0	1	1	2	4
-10°	0	0	0	0	0	0	0	1	1	2	4
-12.5°	0	0	0	0	0	0	0	1	1	2	4
-15°	0	0	0	0	0	0	0	1	1	2	4
-17.5°	0	0	0	0	0	0	0	0	1	2	3
-20°	0	0	0	0	0	0	0	0	1	2	3



REPORT NUMBER: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-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	1	2	3
-25°	0	0	0	0	0	0	0	0	1	1	2
-27.5°	0	0	0	0	0	0	0	0	1	1	2
-30°	0	0	0	0	0	0	0	0	1	1	2
-32.5°	0	0	0	0	0	0	0	0	0	1	2
-35°	0	0	0	0	0	0	0	0	0	1	1
-37.5°	0	0	0	0	0	0	0	0	0	1	1
-40°	0	0	0	0	0	0	0	0	0	1	1
-42.5°	0	0	0	0	0	0	0	0	0	0	1
-45°	0	0	0	0	0	0	0	0	0	0	1
-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: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-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	1	1
65°	0	0	0	0	0	0	0	1	1	1	1
62.5°	0	0	0	0	0	1	1	1	1	2	2
60°	0	0	0	0	1	1	1	2	2	2	3
57.5°	0	0	0	1	1	1	2	2	3	4	5
55°	0	0	1	1	2	2	2	3	4	5	6
52.5°	0	1	1	2	2	3	4	5	6	7	8
50°	1	1	1	2	3	4	5	6	7	9	11
47.5°	1	1	2	2	4	5	6	8	9	11	14
45°	1	2	2	3	5	6	8	9	12	14	18
42.5°	1	2	3	4	6	7	9	12	15	19	23
40°	2	2	4	5	7	9	11	14	19	23	29
37.5°	2	3	5	6	8	11	14	18	23	29	36
35°	2	4	5	7	9	12	17	22	28	35	44
32.5°	3	4	6	8	11	15	20	26	33	42	53
30°	3	5	7	9	13	17	23	30	39	50	63
27.5°	4	5	8	10	14	20	27	35	46	58	74
25°	4	6	8	12	16	22	30	40	52	68	87
22.5°	5	7	9	13	18	25	34	45	59	77	99
20°	5	7	10	14	20	28	38	50	67	88	113
17.5°	5	8	11	15	22	30	41	55	74	97	125
15°	6	8	12	17	24	33	45	60	81	106	137
12.5°	6	8	12	18	25	35	48	65	88	115	149
10°	6	9	13	19	27	37	51	69	93	123	159
7.5°	6	9	13	19	28	39	53	72	98	129	167
5°	6	9	13	20	28	40	54	75	101	133	173
2.5°	6	9	14	20	29	40	55	76	103	136	176
0°	6	9	14	20	29	40	56	77	103	136	178
-2.5°	6	9	14	20	29	40	55	76	103	136	176
-5°	6	9	13	20	28	40	54	75	101	133	173
-7.5°	6	9	13	19	28	39	53	72	98	129	167
-10°	6	9	13	19	27	37	51	69	93	123	159
-12.5°	6	8	12	18	25	35	48	65	88	115	149
-15°	6	8	12	17	24	33	45	60	81	106	137
-17.5°	5	8	11	15	22	30	41	55	74	97	125
-20°	5	7	10	14	20	28	38	50	67	88	113



REPORT NUMBER: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-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°	5	7	9	13	18	25	34	45	59	77	99
-25°	4	6	8	12	16	22	30	40	52	68	87
-27.5°	4	5	8	10	14	20	27	35	46	58	74
-30°	3	5	7	9	13	17	23	30	39	50	63
-32.5°	3	4	6	8	11	15	20	26	33	42	53
-35°	2	4	5	7	9	12	17	22	28	35	44
-37.5°	2	3	5	6	8	11	14	18	23	29	36
-40°	2	2	4	5	7	9	11	14	19	23	29
-42.5°	1	2	3	4	6	7	9	12	15	19	23
-45°	1	2	2	3	5	6	8	9	12	14	18
-47.5°	1	1	2	2	4	5	6	8	9	11	14
-50°	1	1	1	2	3	4	5	6	7	9	11
-52.5°	0	1	1	2	2	3	4	5	6	7	8
-55°	0	0	1	1	2	2	2	3	4	5	6
-57.5°	0	0	0	1	1	1	2	2	3	4	5
-60°	0	0	0	0	1	1	1	2	2	2	3
-62.5°	0	0	0	0	0	1	1	1	1	2	2
-65°	0	0	0	0	0	0	0	1	1	1	1
-67.5°	0	0	0	0	0	0	0	0	0	1	1
-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: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-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	1	1	1
70°	0	0	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	2	2	2	2	2	2
65°	1	2	2	2	2	3	3	3	4	4	4
62.5°	2	3	3	4	4	5	5	5	6	6	6
60°	4	4	5	5	6	7	7	8	8	8	9
57.5°	5	6	7	8	8	9	10	11	12	12	13
55°	7	8	9	10	12	13	14	15	17	18	19
52.5°	9	11	13	14	16	18	20	22	24	25	27
50°	12	15	17	20	22	25	28	30	33	35	37
47.5°	17	20	23	27	30	34	38	41	45	48	51
45°	22	26	30	35	40	45	50	55	60	65	69
42.5°	28	33	39	46	52	59	67	74	81	88	93
40°	35	42	50	58	68	77	88	97	106	115	123
37.5°	44	53	63	74	87	99	113	125	137	149	159
35°	53	66	78	94	109	126	142	159	174	189	202
32.5°	66	80	97	115	134	156	176	198	217	236	252
30°	78	97	118	140	165	190	216	242	266	288	308
27.5°	94	115	140	167	197	227	259	290	319	344	364
25°	109	134	165	197	231	268	305	340	369	394	414
22.5°	126	156	190	227	268	310	350	384	413	437	458
20°	142	176	216	259	305	350	389	423	452	478	501
17.5°	159	198	242	290	340	384	423	457	488	518	543
15°	174	217	266	319	369	413	452	488	524	556	585
12.5°	189	236	288	344	394	437	478	518	556	593	628
10°	202	252	308	364	414	458	501	543	585	628	663
7.5°	212	266	324	380	429	474	519	564	611	655	690
5°	220	275	335	391	439	486	533	581	631	674	708
2.5°	224	281	342	397	446	494	541	591	643	685	721
0°	226	283	344	399	448	496	544	595	647	689	725
-2.5°	224	281	342	397	446	494	541	591	643	685	721
-5°	220	275	335	391	439	486	533	581	631	674	708
-7.5°	212	266	324	380	429	474	519	564	611	655	690
-10°	202	252	308	364	414	458	501	543	585	628	663
-12.5°	189	236	288	344	394	437	478	518	556	593	628
-15°	174	217	266	319	369	413	452	488	524	556	585
-17.5°	159	198	242	290	340	384	423	457	488	518	543
-20°	142	176	216	259	305	350	389	423	452	478	501



REPORT NUMBER: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-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°	126	156	190	227	268	310	350	384	413	437	458
-25°	109	134	165	197	231	268	305	340	369	394	414
-27.5°	94	115	140	167	197	227	259	290	319	344	364
-30°	78	97	118	140	165	190	216	242	266	288	308
-32.5°	66	80	97	115	134	156	176	198	217	236	252
-35°	53	66	78	94	109	126	142	159	174	189	202
-37.5°	44	53	63	74	87	99	113	125	137	149	159
-40°	35	42	50	58	68	77	88	97	106	115	123
-42.5°	28	33	39	46	52	59	67	74	81	88	93
-45°	22	26	30	35	40	45	50	55	60	65	69
-47.5°	17	20	23	27	30	34	38	41	45	48	51
-50°	12	15	17	20	22	25	28	30	33	35	37
-52.5°	9	11	13	14	16	18	20	22	24	25	27
-55°	7	8	9	10	12	13	14	15	17	18	19
-57.5°	5	6	7	8	8	9	10	11	12	12	13
-60°	4	4	5	5	6	7	7	8	8	8	9
-62.5°	2	3	3	4	4	5	5	5	6	6	6
-65°	1	2	2	2	2	3	3	3	4	4	4
-67.5°	1	1	1	1	1	2	2	2	2	2	2
-70°	0	0	1	1	1	1	1	1	1	1	1
-72.5°	0	0	0	0	0	0	0	0	1	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: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-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°	1	1	1	1	1	1	1	1	1	1	0
70°	1	1	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
65°	4	4	4	4	4	4	4	4	4	4	3
62.5°	6	6	6	6	6	6	6	6	6	6	5
60°	9	9	9	9	9	9	9	9	8	8	8
57.5°	13	13	14	14	14	13	13	13	12	12	11
55°	19	20	20	20	20	20	19	19	18	17	15
52.5°	28	28	29	29	29	28	28	27	25	24	22
50°	39	40	40	40	40	40	39	37	35	33	30
47.5°	53	54	55	56	55	54	53	51	48	45	41
45°	72	75	76	77	76	75	72	69	65	60	55
42.5°	98	101	103	103	103	101	98	93	88	81	74
40°	129	133	136	136	136	133	129	123	115	106	97
37.5°	167	173	176	178	176	173	167	159	149	137	125
35°	212	220	224	226	224	220	212	202	189	174	159
32.5°	266	275	281	283	281	275	266	252	236	217	198
30°	324	335	342	344	342	335	324	308	288	266	242
27.5°	380	391	397	399	397	391	380	364	344	319	290
25°	429	439	446	448	446	439	429	414	394	369	340
22.5°	474	486	494	496	494	486	474	458	437	413	384
20°	519	533	541	544	541	533	519	501	478	452	423
17.5°	564	581	591	595	591	581	564	543	518	488	457
15°	611	631	643	647	643	631	611	585	556	524	488
12.5°	655	674	685	689	685	674	655	628	593	556	518
10°	690	708	721	725	721	708	690	663	628	585	543
7.5°	717	737	748	751	748	737	717	690	655	611	564
5°	737	754	754	752	754	754	737	708	674	631	581
2.5°	748	754	744	738	744	754	748	721	685	643	591
0°	751	752	738	735	738	752	751	725	689	647	595
-2.5°	748	754	744	738	744	754	748	721	685	643	591
-5°	737	754	754	752	754	754	737	708	674	631	581
-7.5°	717	737	748	751	748	737	717	690	655	611	564
-10°	690	708	721	725	721	708	690	663	628	585	543
-12.5°	655	674	685	689	685	674	655	628	593	556	518
-15°	611	631	643	647	643	631	611	585	556	524	488
-17.5°	564	581	591	595	591	581	564	543	518	488	457
-20°	519	533	541	544	541	533	519	501	478	452	423



REPORT NUMBER: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-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°	474	486	494	496	494	486	474	458	437	413	384
-25°	429	439	446	448	446	439	429	414	394	369	340
-27.5°	380	391	397	399	397	391	380	364	344	319	290
-30°	324	335	342	344	342	335	324	308	288	266	242
-32.5°	266	275	281	283	281	275	266	252	236	217	198
-35°	212	220	224	226	224	220	212	202	189	174	159
-37.5°	167	173	176	178	176	173	167	159	149	137	125
-40°	129	133	136	136	136	133	129	123	115	106	97
-42.5°	98	101	103	103	103	101	98	93	88	81	74
-45°	72	75	76	77	76	75	72	69	65	60	55
-47.5°	53	54	55	56	55	54	53	51	48	45	41
-50°	39	40	40	40	40	40	39	37	35	33	30
-52.5°	28	28	29	29	29	28	28	27	25	24	22
-55°	19	20	20	20	20	20	19	19	18	17	15
-57.5°	13	13	14	14	14	13	13	13	12	12	11
-60°	9	9	9	9	9	9	9	9	8	8	8
-62.5°	6	6	6	6	6	6	6	6	6	6	5
-65°	4	4	4	4	4	4	4	4	4	4	3
-67.5°	2	2	2	2	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	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: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-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°	1	1	1	1	1	0	0	0	0	0	0
67.5°	2	2	1	1	1	1	1	1	1	0	0
65°	3	3	2	2	2	2	1	1	1	1	1
62.5°	5	5	4	4	3	3	2	2	2	1	1
60°	7	7	6	5	5	4	4	3	2	2	2
57.5°	10	9	8	8	7	6	5	5	4	3	2
55°	14	13	12	10	9	8	7	6	5	4	3
52.5°	20	18	16	14	13	11	9	8	7	6	5
50°	28	25	22	20	17	15	12	11	9	7	6
47.5°	38	34	30	27	23	20	17	14	11	9	8
45°	50	45	40	35	30	26	22	18	14	12	9
42.5°	67	59	52	46	39	33	28	23	19	15	12
40°	88	77	68	58	50	42	35	29	23	19	14
37.5°	113	99	87	74	63	53	44	36	29	23	18
35°	142	126	109	94	78	66	53	44	35	28	22
32.5°	176	156	134	115	97	80	66	53	42	33	26
30°	216	190	165	140	118	97	78	63	50	39	30
27.5°	259	227	197	167	140	115	94	74	58	46	35
25°	305	268	231	197	165	134	109	87	68	52	40
22.5°	350	310	268	227	190	156	126	99	77	59	45
20°	389	350	305	259	216	176	142	113	88	67	50
17.5°	423	384	340	290	242	198	159	125	97	74	55
15°	452	413	369	319	266	217	174	137	106	81	60
12.5°	478	437	394	344	288	236	189	149	115	88	65
10°	501	458	414	364	308	252	202	159	123	93	69
7.5°	519	474	429	380	324	266	212	167	129	98	72
5°	533	486	439	391	335	275	220	173	133	101	75
2.5°	541	494	446	397	342	281	224	176	136	103	76
0°	544	496	448	399	344	283	226	178	136	103	77
-2.5°	541	494	446	397	342	281	224	176	136	103	76
-5°	533	486	439	391	335	275	220	173	133	101	75
-7.5°	519	474	429	380	324	266	212	167	129	98	72
-10°	501	458	414	364	308	252	202	159	123	93	69
-12.5°	478	437	394	344	288	236	189	149	115	88	65
-15°	452	413	369	319	266	217	174	137	106	81	60
-17.5°	423	384	340	290	242	198	159	125	97	74	55
-20°	389	350	305	259	216	176	142	113	88	67	50



REPORT NUMBER: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-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°	350	310	268	227	190	156	126	99	77	59	45
-25°	305	268	231	197	165	134	109	87	68	52	40
-27.5°	259	227	197	167	140	115	94	74	58	46	35
-30°	216	190	165	140	118	97	78	63	50	39	30
-32.5°	176	156	134	115	97	80	66	53	42	33	26
-35°	142	126	109	94	78	66	53	44	35	28	22
-37.5°	113	99	87	74	63	53	44	36	29	23	18
-40°	88	77	68	58	50	42	35	29	23	19	14
-42.5°	67	59	52	46	39	33	28	23	19	15	12
-45°	50	45	40	35	30	26	22	18	14	12	9
-47.5°	38	34	30	27	23	20	17	14	11	9	8
-50°	28	25	22	20	17	15	12	11	9	7	6
-52.5°	20	18	16	14	13	11	9	8	7	6	5
-55°	14	13	12	10	9	8	7	6	5	4	3
-57.5°	10	9	8	8	7	6	5	5	4	3	2
-60°	7	7	6	5	5	4	4	3	2	2	2
-62.5°	5	5	4	4	3	3	2	2	2	1	1
-65°	3	3	2	2	2	2	1	1	1	1	1
-67.5°	2	2	1	1	1	1	1	1	1	0	0
-70°	1	1	1	1	1	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: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-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°	1	1	0	0	0	0	0	0	0	0	0
60°	1	1	1	0	0	0	0	0	0	0	0
57.5°	2	1	1	1	0	0	0	0	0	0	0
55°	2	2	2	1	1	0	0	0	0	0	0
52.5°	4	3	2	2	1	1	0	0	0	0	0
50°	5	4	3	2	1	1	1	0	0	0	0
47.5°	6	5	4	2	2	1	1	0	0	0	0
45°	8	6	5	3	2	2	1	1	0	0	0
42.5°	9	7	6	4	3	2	1	1	0	0	0
40°	11	9	7	5	4	2	2	1	1	0	0
37.5°	14	11	8	6	5	3	2	1	1	0	0
35°	17	12	9	7	5	4	2	1	1	0	0
32.5°	20	15	11	8	6	4	3	2	1	0	0
30°	23	17	13	9	7	5	3	2	1	1	0
27.5°	27	20	14	10	8	5	4	2	1	1	0
25°	30	22	16	12	8	6	4	2	1	1	0
22.5°	34	25	18	13	9	7	5	3	2	1	0
20°	38	28	20	14	10	7	5	3	2	1	0
17.5°	41	30	22	15	11	8	5	3	2	1	0
15°	45	33	24	17	12	8	6	4	2	1	1
12.5°	48	35	25	18	12	8	6	4	2	1	1
10°	51	37	27	19	13	9	6	4	2	1	1
7.5°	53	39	28	19	13	9	6	4	2	1	1
5°	54	40	28	20	13	9	6	4	2	1	1
2.5°	55	40	29	20	14	9	6	4	2	1	1
0°	56	40	29	20	14	9	6	4	2	1	1
-2.5°	55	40	29	20	14	9	6	4	2	1	1
-5°	54	40	28	20	13	9	6	4	2	1	1
-7.5°	53	39	28	19	13	9	6	4	2	1	1
-10°	51	37	27	19	13	9	6	4	2	1	1
-12.5°	48	35	25	18	12	8	6	4	2	1	1
-15°	45	33	24	17	12	8	6	4	2	1	1
-17.5°	41	30	22	15	11	8	5	3	2	1	0
-20°	38	28	20	14	10	7	5	3	2	1	0



REPORT NUMBER: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-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°	34	25	18	13	9	7	5	3	2	1	0
-25°	30	22	16	12	8	6	4	2	1	1	0
-27.5°	27	20	14	10	8	5	4	2	1	1	0
-30°	23	17	13	9	7	5	3	2	1	1	0
-32.5°	20	15	11	8	6	4	3	2	1	0	0
-35°	17	12	9	7	5	4	2	1	1	0	0
-37.5°	14	11	8	6	5	3	2	1	1	0	0
-40°	11	9	7	5	4	2	2	1	1	0	0
-42.5°	9	7	6	4	3	2	1	1	0	0	0
-45°	8	6	5	3	2	2	1	1	0	0	0
-47.5°	6	5	4	2	2	1	1	0	0	0	0
-50°	5	4	3	2	1	1	1	0	0	0	0
-52.5°	4	3	2	2	1	1	0	0	0	0	0
-55°	2	2	2	1	1	0	0	0	0	0	0
-57.5°	2	1	1	1	0	0	0	0	0	0	0
-60°	1	1	1	0	0	0	0	0	0	0	0
-62.5°	1	1	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: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-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: P220429 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-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)