

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: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED4097-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29420)
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-LED4097-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

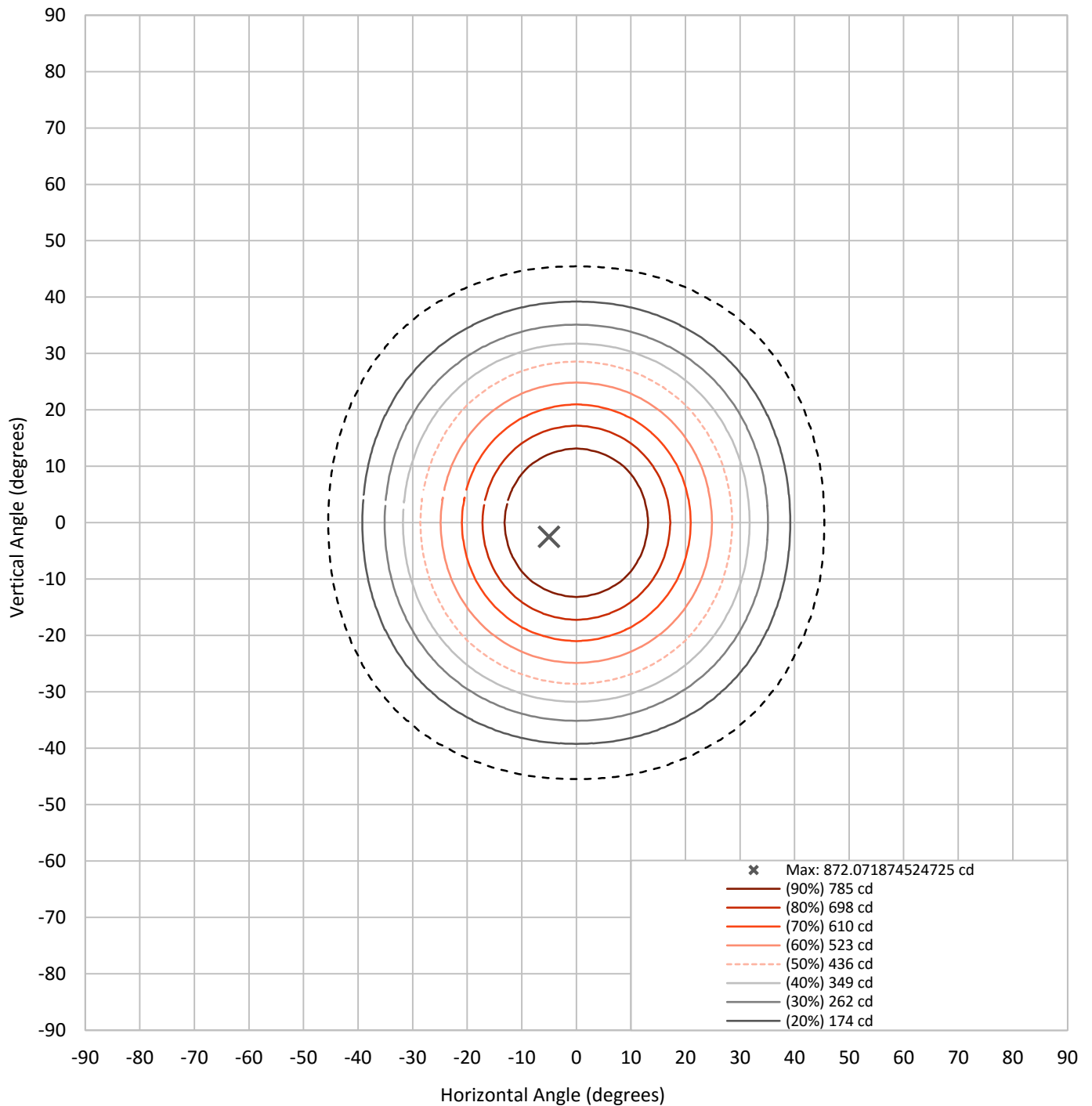
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	803.6 lumens	Max Intensity:	872.1 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	80.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	57°H x 56.4°V	Field Angle (10%):	90.7°H x 90.3°V
Beam Lumens:	494.8 lumens	Field Lumens:	740.9 lumens
Beam Efficiency:	61.6%	Field Efficiency:	92.2%
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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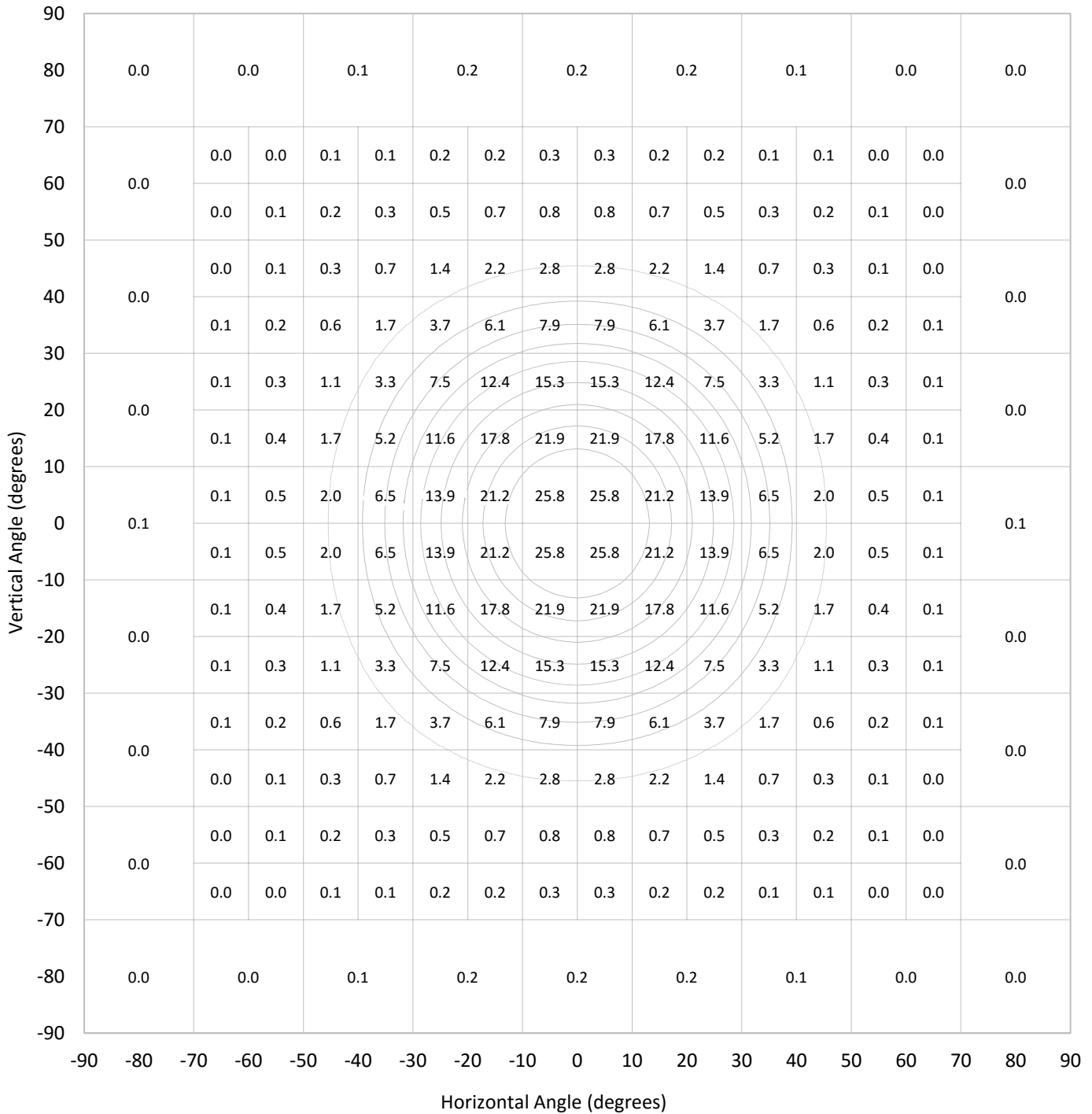
Iso-Candela Plot





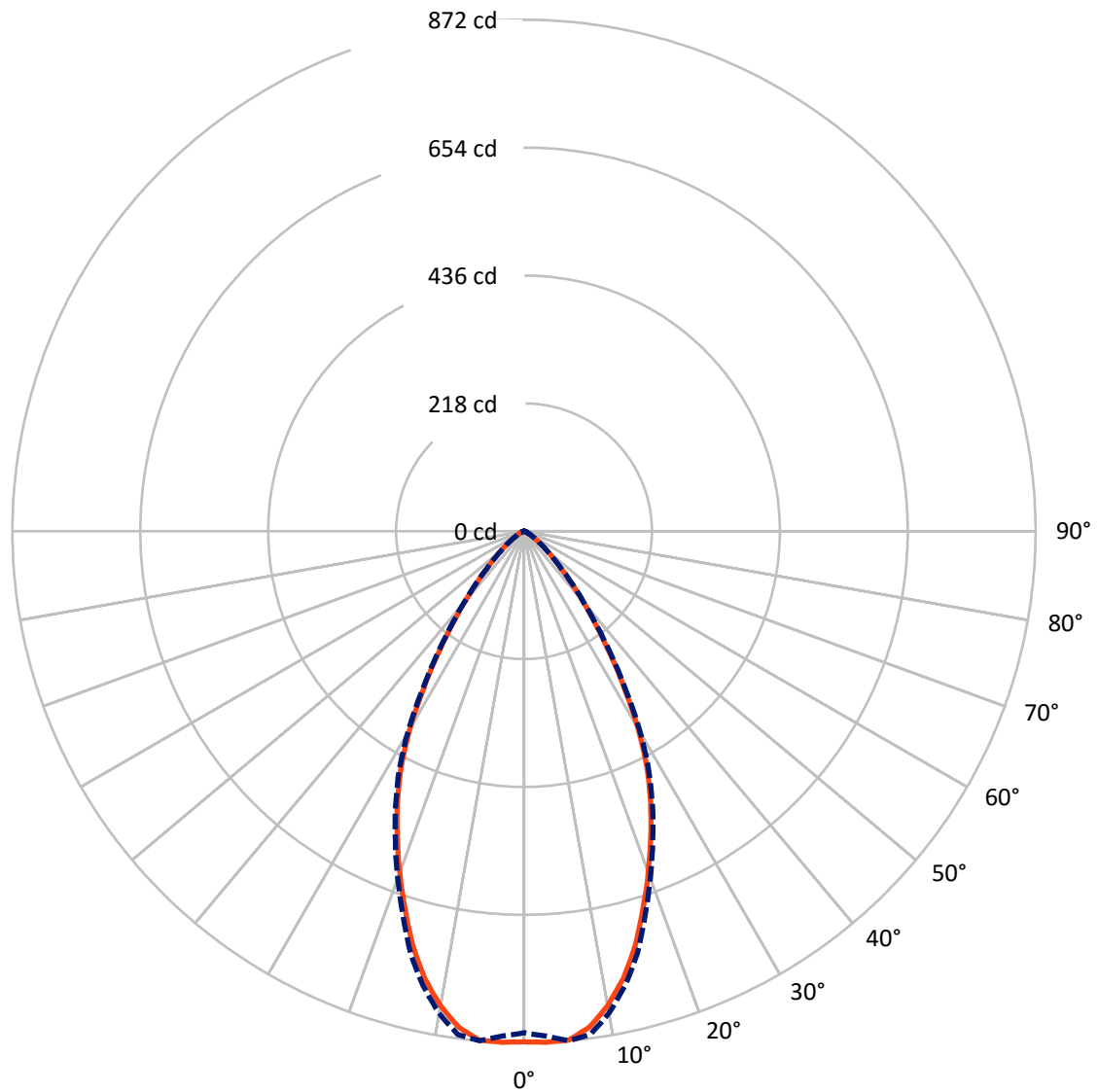
REPORT NUMBER: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-WT-L1-UNV

Lumen Table



REPORT NUMBER: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-WT-L1-UNV

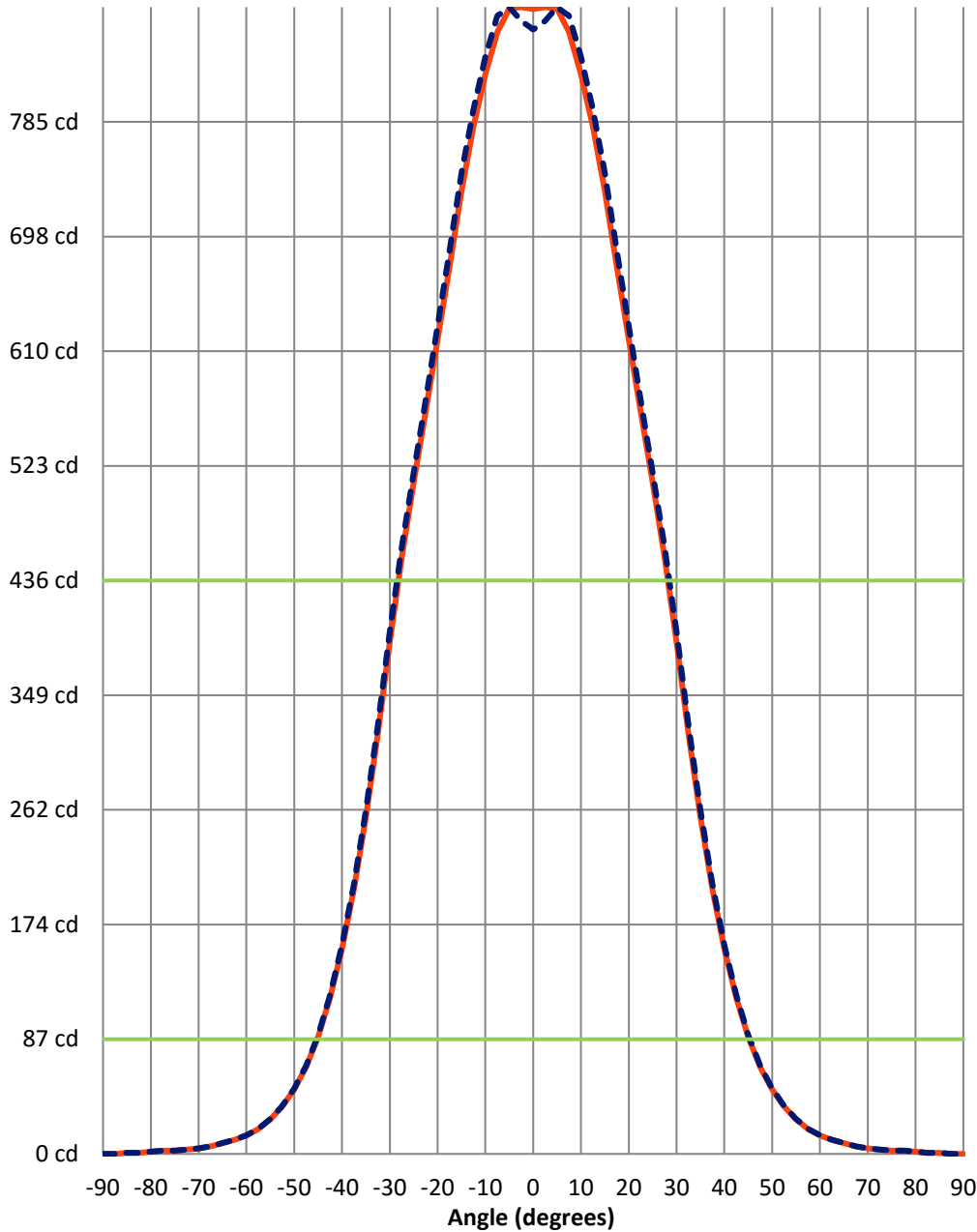
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 57°
 V Angle: 56.4°
 Lumens: 494.8
 Efficiency: 61.6%

Field:
 H Angle: 90.7°
 V Angle: 90.3°
 Lumens: 740.9
 Efficiency: 92.2%

Spill:
 Lumens: 62.7
 Efficiency: 7.8%

- Vertical Distribution through -5-Deg
- - Horizontal Distribution through -2.5-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	1
77.5°	0	0	0	0	0	0	0	0	1	1	1
75°	0	0	0	0	0	0	0	1	1	1	1
72.5°	0	0	0	0	0	0	1	1	1	1	1
70°	0	0	0	0	0	1	1	1	1	1	1
67.5°	0	0	0	0	0	1	1	1	1	1	1
65°	0	0	0	0	1	1	1	1	1	1	2
62.5°	0	0	0	0	1	1	1	1	1	2	2
60°	0	0	0	0	1	1	1	1	2	2	2
57.5°	0	0	0	0	1	1	1	1	2	2	3
55°	0	0	0	1	1	1	1	2	2	3	3
52.5°	0	0	0	1	1	1	1	2	2	3	3
50°	0	0	0	1	1	1	2	2	3	3	3
47.5°	0	0	0	1	1	1	2	2	3	3	3
45°	0	0	0	1	1	1	2	2	3	3	3
42.5°	0	0	0	1	1	1	2	3	3	3	4
40°	0	0	0	1	1	2	2	3	3	3	4
37.5°	0	0	0	1	1	2	2	3	3	3	4
35°	0	0	1	1	1	2	2	3	3	4	4
32.5°	0	0	1	1	1	2	3	3	3	4	5
30°	0	0	1	1	1	2	3	3	3	4	5
27.5°	0	0	1	1	1	2	3	3	3	4	5
25°	0	0	1	1	1	2	3	3	4	4	6
22.5°	0	0	1	1	1	2	3	3	4	5	6
20°	0	0	1	1	1	2	3	3	4	5	7
17.5°	0	0	1	1	2	2	3	3	4	5	7
15°	0	0	1	1	2	2	3	3	4	5	7
12.5°	0	0	1	1	2	2	3	3	4	5	8
10°	0	0	1	1	2	2	3	3	4	6	8
7.5°	0	0	1	1	2	2	3	3	4	6	8
5°	0	0	1	1	2	2	3	3	4	6	8
2.5°	0	0	1	1	2	2	3	3	4	6	8
0°	0	0	1	1	2	3	3	3	4	6	8
-2.5°	0	0	1	1	2	3	3	3	4	6	8
-5°	0	0	1	1	2	2	3	3	4	6	8
-7.5°	0	0	1	1	2	2	3	3	4	6	8
-10°	0	0	1	1	2	2	3	3	4	6	8
-12.5°	0	0	1	1	2	2	3	3	4	5	8
-15°	0	0	1	1	2	2	3	3	4	5	7
-17.5°	0	0	1	1	2	2	3	3	4	5	7
-20°	0	0	1	1	1	2	3	3	4	5	7



REPORT NUMBER: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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	1	1	1	2	3	3	4	5	6
-25°	0	0	1	1	1	2	3	3	4	4	6
-27.5°	0	0	1	1	1	2	3	3	3	4	5
-30°	0	0	1	1	1	2	3	3	3	4	5
-32.5°	0	0	1	1	1	2	3	3	3	4	5
-35°	0	0	1	1	1	2	2	3	3	4	4
-37.5°	0	0	0	1	1	2	2	3	3	3	4
-40°	0	0	0	1	1	2	2	3	3	3	4
-42.5°	0	0	0	1	1	1	2	3	3	3	4
-45°	0	0	0	1	1	1	2	2	3	3	3
-47.5°	0	0	0	1	1	1	2	2	3	3	3
-50°	0	0	0	1	1	1	2	2	3	3	3
-52.5°	0	0	0	1	1	1	1	2	2	3	3
-55°	0	0	0	1	1	1	1	2	2	3	3
-57.5°	0	0	0	0	1	1	1	1	2	2	3
-60°	0	0	0	0	1	1	1	1	2	2	2
-62.5°	0	0	0	0	1	1	1	1	1	2	2
-65°	0	0	0	0	1	1	1	1	1	1	2
-67.5°	0	0	0	0	0	1	1	1	1	1	1
-70°	0	0	0	0	0	1	1	1	1	1	1
-72.5°	0	0	0	0	0	0	1	1	1	1	1
-75°	0	0	0	0	0	0	0	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	1	1	1
-80°	0	0	0	0	0	0	0	0	0	0	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: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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	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	2	2
75°	1	1	1	1	1	2	2	2	2	2	2
72.5°	1	1	1	2	2	2	2	2	3	3	3
70°	1	2	2	2	2	3	3	3	3	3	3
67.5°	2	2	2	3	3	3	3	3	3	3	3
65°	2	2	3	3	3	3	3	3	4	4	4
62.5°	2	3	3	3	3	3	4	4	4	5	5
60°	3	3	3	3	3	4	4	5	5	6	7
57.5°	3	3	3	3	4	4	5	6	7	8	9
55°	3	3	3	4	4	5	6	7	8	9	10
52.5°	3	3	4	4	5	6	8	9	10	11	13
50°	3	4	4	5	6	8	9	10	12	14	16
47.5°	4	4	5	6	8	9	10	12	14	17	19
45°	4	5	6	7	9	10	12	14	17	20	24
42.5°	4	5	7	8	10	12	14	17	20	25	30
40°	5	6	8	9	11	14	17	20	25	30	36
37.5°	5	7	9	10	13	16	19	24	30	36	45
35°	6	7	9	12	14	18	23	28	35	44	54
32.5°	6	8	10	13	16	20	26	33	42	52	64
30°	7	9	11	14	18	23	30	38	48	61	76
27.5°	7	10	12	15	20	26	34	44	56	70	88
25°	8	10	13	17	22	29	38	49	63	81	103
22.5°	9	11	14	18	24	32	43	56	72	91	117
20°	9	12	15	20	26	35	47	61	80	104	132
17.5°	9	12	16	21	29	38	51	67	88	115	147
15°	10	13	17	23	31	41	55	73	96	125	160
12.5°	10	13	17	24	33	44	59	78	104	136	174
10°	10	14	18	25	34	46	62	83	110	144	186
7.5°	11	14	19	26	35	48	64	86	115	151	195
5°	11	14	19	26	36	49	66	89	119	156	201
2.5°	11	14	19	27	37	50	67	90	121	159	205
0°	11	14	19	27	37	50	68	91	122	160	207
-2.5°	11	14	19	27	37	50	67	90	121	159	205
-5°	11	14	19	26	36	49	66	89	119	156	201
-7.5°	11	14	19	26	35	48	64	86	115	151	195
-10°	10	14	18	25	34	46	62	83	110	144	186
-12.5°	10	13	17	24	33	44	59	78	104	136	174
-15°	10	13	17	23	31	41	55	73	96	125	160
-17.5°	9	12	16	21	29	38	51	67	88	115	147
-20°	9	12	15	20	26	35	47	61	80	104	132



REPORT NUMBER: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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°	9	11	14	18	24	32	43	56	72	91	117
-25°	8	10	13	17	22	29	38	49	63	81	103
-27.5°	7	10	12	15	20	26	34	44	56	70	88
-30°	7	9	11	14	18	23	30	38	48	61	76
-32.5°	6	8	10	13	16	20	26	33	42	52	64
-35°	6	7	9	12	14	18	23	28	35	44	54
-37.5°	5	7	9	10	13	16	19	24	30	36	45
-40°	5	6	8	9	11	14	17	20	25	30	36
-42.5°	4	5	7	8	10	12	14	17	20	25	30
-45°	4	5	6	7	9	10	12	14	17	20	24
-47.5°	4	4	5	6	8	9	10	12	14	17	19
-50°	3	4	4	5	6	8	9	10	12	14	16
-52.5°	3	3	4	4	5	6	8	9	10	11	13
-55°	3	3	3	4	4	5	6	7	8	9	10
-57.5°	3	3	3	3	4	4	5	6	7	8	9
-60°	3	3	3	3	3	4	4	5	5	6	7
-62.5°	2	3	3	3	3	3	4	4	4	5	5
-65°	2	2	3	3	3	3	3	3	4	4	4
-67.5°	2	2	2	3	3	3	3	3	3	3	3
-70°	1	2	2	2	2	3	3	3	3	3	3
-72.5°	1	1	1	2	2	2	2	2	3	3	3
-75°	1	1	1	1	1	2	2	2	2	2	2
-77.5°	1	1	1	1	1	1	1	1	1	2	2
-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: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
80°	1	1	1	1	1	1	1	2	2	2	2
77.5°	2	2	2	2	2	2	2	2	2	2	2
75°	2	3	3	3	3	3	3	3	3	3	3
72.5°	3	3	3	3	3	3	3	3	3	3	3
70°	3	3	3	3	4	4	4	4	4	4	4
67.5°	4	4	4	4	4	5	5	5	5	5	6
65°	4	5	5	5	6	6	7	7	7	8	8
62.5°	6	6	7	7	8	9	9	9	10	10	10
60°	7	8	9	10	10	11	12	12	13	13	14
57.5°	9	10	11	12	13	14	15	16	17	17	18
55°	12	13	14	15	17	18	20	21	23	24	25
52.5°	14	16	18	20	22	24	26	29	31	33	34
50°	18	20	23	26	29	32	35	38	41	44	46
47.5°	23	26	30	34	38	43	47	51	55	59	62
45°	28	33	38	44	49	56	61	67	73	78	83
42.5°	35	42	48	56	63	72	80	88	96	104	110
40°	44	52	61	70	81	91	104	115	125	136	144
37.5°	54	64	76	88	103	117	132	147	160	174	186
35°	65	79	93	111	128	147	166	186	203	220	235
32.5°	79	95	114	136	158	182	205	230	253	274	293
30°	93	114	138	163	192	221	251	281	309	335	358
27.5°	111	136	163	195	229	264	301	336	370	400	422
25°	128	158	192	229	269	312	354	394	428	457	481
22.5°	147	182	221	264	312	360	406	446	480	508	531
20°	166	205	251	301	354	406	452	491	525	555	581
17.5°	186	230	281	336	394	446	491	530	567	601	631
15°	203	253	309	370	428	480	525	567	608	646	680
12.5°	220	274	335	400	457	508	555	601	646	688	728
10°	235	293	358	422	481	531	581	631	680	728	768
7.5°	247	308	376	440	498	550	603	656	710	760	799
5°	256	319	389	454	511	564	619	675	732	781	821
2.5°	261	326	397	461	518	573	630	687	746	794	834
0°	263	328	400	464	521	576	633	691	751	798	839
-2.5°	261	326	397	461	518	573	630	687	746	794	834
-5°	256	319	389	454	511	564	619	675	732	781	821
-7.5°	247	308	376	440	498	550	603	656	710	760	799
-10°	235	293	358	422	481	531	581	631	680	728	768
-12.5°	220	274	335	400	457	508	555	601	646	688	728
-15°	203	253	309	370	428	480	525	567	608	646	680
-17.5°	186	230	281	336	394	446	491	530	567	601	631
-20°	166	205	251	301	354	406	452	491	525	555	581



REPORT NUMBER: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	147	182	221	264	312	360	406	446	480	508	531
-25°	128	158	192	229	269	312	354	394	428	457	481
-27.5°	111	136	163	195	229	264	301	336	370	400	422
-30°	93	114	138	163	192	221	251	281	309	335	358
-32.5°	79	95	114	136	158	182	205	230	253	274	293
-35°	65	79	93	111	128	147	166	186	203	220	235
-37.5°	54	64	76	88	103	117	132	147	160	174	186
-40°	44	52	61	70	81	91	104	115	125	136	144
-42.5°	35	42	48	56	63	72	80	88	96	104	110
-45°	28	33	38	44	49	56	61	67	73	78	83
-47.5°	23	26	30	34	38	43	47	51	55	59	62
-50°	18	20	23	26	29	32	35	38	41	44	46
-52.5°	14	16	18	20	22	24	26	29	31	33	34
-55°	12	13	14	15	17	18	20	21	23	24	25
-57.5°	9	10	11	12	13	14	15	16	17	17	18
-60°	7	8	9	10	10	11	12	12	13	13	14
-62.5°	6	6	7	7	8	9	9	9	10	10	10
-65°	4	5	5	5	6	6	7	7	7	8	8
-67.5°	4	4	4	4	4	5	5	5	5	5	6
-70°	3	3	3	3	4	4	4	4	4	4	4
-72.5°	3	3	3	3	3	3	3	3	3	3	3
-75°	2	3	3	3	3	3	3	3	3	3	3
-77.5°	2	2	2	2	2	2	2	2	2	2	2
-80°	1	1	1	1	1	1	1	2	2	2	2
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-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: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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°	1	1	1	1	1	1	1	1	1	1	1
82.5°	1	1	1	1	1	1	1	1	1	1	1
80°	2	2	2	2	2	2	2	2	2	2	2
77.5°	2	2	2	3	2	2	2	2	2	2	2
75°	3	3	3	3	3	3	3	3	3	3	3
72.5°	3	3	3	3	3	3	3	3	3	3	3
70°	4	4	4	4	4	4	4	4	4	4	4
67.5°	6	6	6	6	6	6	6	6	5	5	5
65°	8	8	8	8	8	8	8	8	8	7	7
62.5°	11	11	11	11	11	11	11	10	10	10	9
60°	14	14	14	14	14	14	14	14	13	13	12
57.5°	19	19	19	19	19	19	19	18	17	17	16
55°	26	26	27	27	27	26	26	25	24	23	21
52.5°	35	36	37	37	37	36	35	34	33	31	29
50°	48	49	50	50	50	49	48	46	44	41	38
47.5°	64	66	67	68	67	66	64	62	59	55	51
45°	86	89	90	91	90	89	86	83	78	73	67
42.5°	115	119	121	122	121	119	115	110	104	96	88
40°	151	156	159	160	159	156	151	144	136	125	115
37.5°	195	201	205	207	205	201	195	186	174	160	147
35°	247	256	261	263	261	256	247	235	220	203	186
32.5°	308	319	326	328	326	319	308	293	274	253	230
30°	376	389	397	400	397	389	376	358	335	309	281
27.5°	440	454	461	464	461	454	440	422	400	370	336
25°	498	511	518	521	518	511	498	481	457	428	394
22.5°	550	564	573	576	573	564	550	531	508	480	446
20°	603	619	630	633	630	619	603	581	555	525	491
17.5°	656	675	687	691	687	675	656	631	601	567	530
15°	710	732	746	751	746	732	710	680	646	608	567
12.5°	760	781	794	798	794	781	760	728	688	646	601
10°	799	821	834	839	834	821	799	768	728	680	631
7.5°	830	853	865	868	865	853	830	799	760	710	656
5°	853	871	872	871	872	871	853	821	781	732	675
2.5°	865	872	862	855	862	872	865	834	794	746	687
0°	868	871	855	855	855	871	868	839	798	751	691
-2.5°	865	872	862	855	862	872	865	834	794	746	687
-5°	853	871	872	871	872	871	853	821	781	732	675
-7.5°	830	853	865	868	865	853	830	799	760	710	656
-10°	799	821	834	839	834	821	799	768	728	680	631
-12.5°	760	781	794	798	794	781	760	728	688	646	601
-15°	710	732	746	751	746	732	710	680	646	608	567
-17.5°	656	675	687	691	687	675	656	631	601	567	530
-20°	603	619	630	633	630	619	603	581	555	525	491



REPORT NUMBER: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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°	550	564	573	576	573	564	550	531	508	480	446
-25°	498	511	518	521	518	511	498	481	457	428	394
-27.5°	440	454	461	464	461	454	440	422	400	370	336
-30°	376	389	397	400	397	389	376	358	335	309	281
-32.5°	308	319	326	328	326	319	308	293	274	253	230
-35°	247	256	261	263	261	256	247	235	220	203	186
-37.5°	195	201	205	207	205	201	195	186	174	160	147
-40°	151	156	159	160	159	156	151	144	136	125	115
-42.5°	115	119	121	122	121	119	115	110	104	96	88
-45°	86	89	90	91	90	89	86	83	78	73	67
-47.5°	64	66	67	68	67	66	64	62	59	55	51
-50°	48	49	50	50	50	49	48	46	44	41	38
-52.5°	35	36	37	37	37	36	35	34	33	31	29
-55°	26	26	27	27	27	26	26	25	24	23	21
-57.5°	19	19	19	19	19	19	19	18	17	17	16
-60°	14	14	14	14	14	14	14	14	13	13	12
-62.5°	11	11	11	11	11	11	11	10	10	10	9
-65°	8	8	8	8	8	8	8	8	8	7	7
-67.5°	6	6	6	6	6	6	6	6	5	5	5
-70°	4	4	4	4	4	4	4	4	4	4	4
-72.5°	3	3	3	3	3	3	3	3	3	3	3
-75°	3	3	3	3	3	3	3	3	3	3	3
-77.5°	2	2	2	3	2	2	2	2	2	2	2
-80°	2	2	2	2	2	2	2	2	2	2	2
-82.5°	1	1	1	1	1	1	1	1	1	1	1
-85°	1	1	1	1	1	1	1	1	1	1	1
-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: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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°	1	1	1	1	1	1	1	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°	2	2	2	2	2	2	2	2	2	1	1
75°	3	3	3	3	3	3	2	2	2	2	2
72.5°	3	3	3	3	3	3	3	3	3	3	2
70°	4	4	4	3	3	3	3	3	3	3	3
67.5°	5	5	4	4	4	4	4	3	3	3	3
65°	7	6	6	5	5	5	4	4	4	4	3
62.5°	9	9	8	7	7	6	6	5	5	4	4
60°	12	11	10	10	9	8	7	7	6	5	5
57.5°	15	14	13	12	11	10	9	9	8	7	6
55°	20	18	17	15	14	13	12	10	9	8	7
52.5°	26	24	22	20	18	16	14	13	11	10	9
50°	35	32	29	26	23	20	18	16	14	12	10
47.5°	47	43	38	34	30	26	23	19	17	14	12
45°	61	56	49	44	38	33	28	24	20	17	14
42.5°	80	72	63	56	48	42	35	30	25	20	17
40°	104	91	81	70	61	52	44	36	30	25	20
37.5°	132	117	103	88	76	64	54	45	36	30	24
35°	166	147	128	111	93	79	65	54	44	35	28
32.5°	205	182	158	136	114	95	79	64	52	42	33
30°	251	221	192	163	138	114	93	76	61	48	38
27.5°	301	264	229	195	163	136	111	88	70	56	44
25°	354	312	269	229	192	158	128	103	81	63	49
22.5°	406	360	312	264	221	182	147	117	91	72	56
20°	452	406	354	301	251	205	166	132	104	80	61
17.5°	491	446	394	336	281	230	186	147	115	88	67
15°	525	480	428	370	309	253	203	160	125	96	73
12.5°	555	508	457	400	335	274	220	174	136	104	78
10°	581	531	481	422	358	293	235	186	144	110	83
7.5°	603	550	498	440	376	308	247	195	151	115	86
5°	619	564	511	454	389	319	256	201	156	119	89
2.5°	630	573	518	461	397	326	261	205	159	121	90
0°	633	576	521	464	400	328	263	207	160	122	91
-2.5°	630	573	518	461	397	326	261	205	159	121	90
-5°	619	564	511	454	389	319	256	201	156	119	89
-7.5°	603	550	498	440	376	308	247	195	151	115	86
-10°	581	531	481	422	358	293	235	186	144	110	83
-12.5°	555	508	457	400	335	274	220	174	136	104	78
-15°	525	480	428	370	309	253	203	160	125	96	73
-17.5°	491	446	394	336	281	230	186	147	115	88	67
-20°	452	406	354	301	251	205	166	132	104	80	61



REPORT NUMBER: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	406	360	312	264	221	182	147	117	91	72	56
-25°	354	312	269	229	192	158	128	103	81	63	49
-27.5°	301	264	229	195	163	136	111	88	70	56	44
-30°	251	221	192	163	138	114	93	76	61	48	38
-32.5°	205	182	158	136	114	95	79	64	52	42	33
-35°	166	147	128	111	93	79	65	54	44	35	28
-37.5°	132	117	103	88	76	64	54	45	36	30	24
-40°	104	91	81	70	61	52	44	36	30	25	20
-42.5°	80	72	63	56	48	42	35	30	25	20	17
-45°	61	56	49	44	38	33	28	24	20	17	14
-47.5°	47	43	38	34	30	26	23	19	17	14	12
-50°	35	32	29	26	23	20	18	16	14	12	10
-52.5°	26	24	22	20	18	16	14	13	11	10	9
-55°	20	18	17	15	14	13	12	10	9	8	7
-57.5°	15	14	13	12	11	10	9	9	8	7	6
-60°	12	11	10	10	9	8	7	7	6	5	5
-62.5°	9	9	8	7	7	6	6	5	5	4	4
-65°	7	6	6	5	5	5	4	4	4	4	3
-67.5°	5	5	4	4	4	4	4	3	3	3	3
-70°	4	4	4	3	3	3	3	3	3	3	3
-72.5°	3	3	3	3	3	3	3	3	3	3	2
-75°	3	3	3	3	3	3	2	2	2	2	2
-77.5°	2	2	2	2	2	2	2	2	2	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°	1	1	1	1	1	1	1	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: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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°	1	1	1	1	0	0	0	0	0	0	0
80°	1	1	1	1	1	1	1	1	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	1	0
75°	2	2	1	1	1	1	1	1	1	1	1
72.5°	2	2	2	2	1	1	1	1	1	1	1
70°	3	3	2	2	2	2	1	1	1	1	1
67.5°	3	3	3	3	2	2	2	1	1	1	1
65°	3	3	3	3	3	2	2	2	1	1	1
62.5°	4	3	3	3	3	3	2	2	2	1	1
60°	4	4	3	3	3	3	3	2	2	2	1
57.5°	5	4	4	3	3	3	3	3	2	2	1
55°	6	5	4	4	3	3	3	3	3	2	2
52.5°	8	6	5	4	4	3	3	3	3	2	2
50°	9	8	6	5	4	4	3	3	3	3	2
47.5°	10	9	8	6	5	4	4	3	3	3	2
45°	12	10	9	7	6	5	4	3	3	3	2
42.5°	14	12	10	8	7	5	4	4	3	3	3
40°	17	14	11	9	8	6	5	4	3	3	3
37.5°	19	16	13	10	9	7	5	4	3	3	3
35°	23	18	14	12	9	7	6	4	4	3	3
32.5°	26	20	16	13	10	8	6	5	4	3	3
30°	30	23	18	14	11	9	7	5	4	3	3
27.5°	34	26	20	15	12	10	7	5	4	3	3
25°	38	29	22	17	13	10	8	6	4	4	3
22.5°	43	32	24	18	14	11	9	6	5	4	3
20°	47	35	26	20	15	12	9	7	5	4	3
17.5°	51	38	29	21	16	12	9	7	5	4	3
15°	55	41	31	23	17	13	10	7	5	4	3
12.5°	59	44	33	24	17	13	10	8	5	4	3
10°	62	46	34	25	18	14	10	8	6	4	3
7.5°	64	48	35	26	19	14	11	8	6	4	3
5°	66	49	36	26	19	14	11	8	6	4	3
2.5°	67	50	37	27	19	14	11	8	6	4	3
0°	68	50	37	27	19	14	11	8	6	4	3
-2.5°	67	50	37	27	19	14	11	8	6	4	3
-5°	66	49	36	26	19	14	11	8	6	4	3
-7.5°	64	48	35	26	19	14	11	8	6	4	3
-10°	62	46	34	25	18	14	10	8	6	4	3
-12.5°	59	44	33	24	17	13	10	8	5	4	3
-15°	55	41	31	23	17	13	10	7	5	4	3
-17.5°	51	38	29	21	16	12	9	7	5	4	3
-20°	47	35	26	20	15	12	9	7	5	4	3



REPORT NUMBER: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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°	43	32	24	18	14	11	9	6	5	4	3
-25°	38	29	22	17	13	10	8	6	4	4	3
-27.5°	34	26	20	15	12	10	7	5	4	3	3
-30°	30	23	18	14	11	9	7	5	4	3	3
-32.5°	26	20	16	13	10	8	6	5	4	3	3
-35°	23	18	14	12	9	7	6	4	4	3	3
-37.5°	19	16	13	10	9	7	5	4	3	3	3
-40°	17	14	11	9	8	6	5	4	3	3	3
-42.5°	14	12	10	8	7	5	4	4	3	3	3
-45°	12	10	9	7	6	5	4	3	3	3	2
-47.5°	10	9	8	6	5	4	4	3	3	3	2
-50°	9	8	6	5	4	4	3	3	3	3	2
-52.5°	8	6	5	4	4	3	3	3	3	2	2
-55°	6	5	4	4	3	3	3	3	3	2	2
-57.5°	5	4	4	3	3	3	3	3	2	2	1
-60°	4	4	3	3	3	3	3	2	2	2	1
-62.5°	4	3	3	3	3	3	2	2	2	1	1
-65°	3	3	3	3	3	2	2	2	1	1	1
-67.5°	3	3	3	3	2	2	2	1	1	1	1
-70°	3	3	2	2	2	2	1	1	1	1	1
-72.5°	2	2	2	2	1	1	1	1	1	1	1
-75°	2	2	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	0
-80°	1	1	1	1	1	1	1	1	0	0	0
-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: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-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°	1	0	0	0	0	0	0
70°	1	1	0	0	0	0	0
67.5°	1	1	0	0	0	0	0
65°	1	1	1	0	0	0	0
62.5°	1	1	1	0	0	0	0
60°	1	1	1	0	0	0	0
57.5°	1	1	1	0	0	0	0
55°	1	1	1	1	0	0	0
52.5°	1	1	1	1	0	0	0
50°	2	1	1	1	0	0	0
47.5°	2	1	1	1	0	0	0
45°	2	1	1	1	0	0	0
42.5°	2	1	1	1	0	0	0
40°	2	2	1	1	0	0	0
37.5°	2	2	1	1	0	0	0
35°	2	2	1	1	1	0	0
32.5°	3	2	1	1	1	0	0
30°	3	2	1	1	1	0	0
27.5°	3	2	1	1	1	0	0
25°	3	2	1	1	1	0	0
22.5°	3	2	1	1	1	0	0
20°	3	2	1	1	1	0	0
17.5°	3	2	2	1	1	0	0
15°	3	2	2	1	1	0	0
12.5°	3	2	2	1	1	0	0
10°	3	2	2	1	1	0	0
7.5°	3	2	2	1	1	0	0
5°	3	2	2	1	1	0	0
2.5°	3	2	2	1	1	0	0
0°	3	3	2	1	1	0	0
-2.5°	3	2	2	1	1	0	0
-5°	3	2	2	1	1	0	0
-7.5°	3	2	2	1	1	0	0
-10°	3	2	2	1	1	0	0
-12.5°	3	2	2	1	1	0	0
-15°	3	2	2	1	1	0	0
-17.5°	3	2	2	1	1	0	0
-20°	3	2	1	1	1	0	0



REPORT NUMBER: P220400 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	3	2	1	1	1	0	0
-25°	3	2	1	1	1	0	0
-27.5°	3	2	1	1	1	0	0
-30°	3	2	1	1	1	0	0
-32.5°	3	2	1	1	1	0	0
-35°	2	2	1	1	1	0	0
-37.5°	2	2	1	1	0	0	0
-40°	2	2	1	1	0	0	0
-42.5°	2	1	1	1	0	0	0
-45°	2	1	1	1	0	0	0
-47.5°	2	1	1	1	0	0	0
-50°	2	1	1	1	0	0	0
-52.5°	1	1	1	1	0	0	0
-55°	1	1	1	1	0	0	0
-57.5°	1	1	1	0	0	0	0
-60°	1	1	1	0	0	0	0
-62.5°	1	1	1	0	0	0	0
-65°	1	1	1	0	0	0	0
-67.5°	1	1	0	0	0	0	0
-70°	1	1	0	0	0	0	0
-72.5°	1	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)