

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: P29420 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED4080-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P29420 (CONVERTED FROM TYPE C PHOTOMETRY)  
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-LED4080-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, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

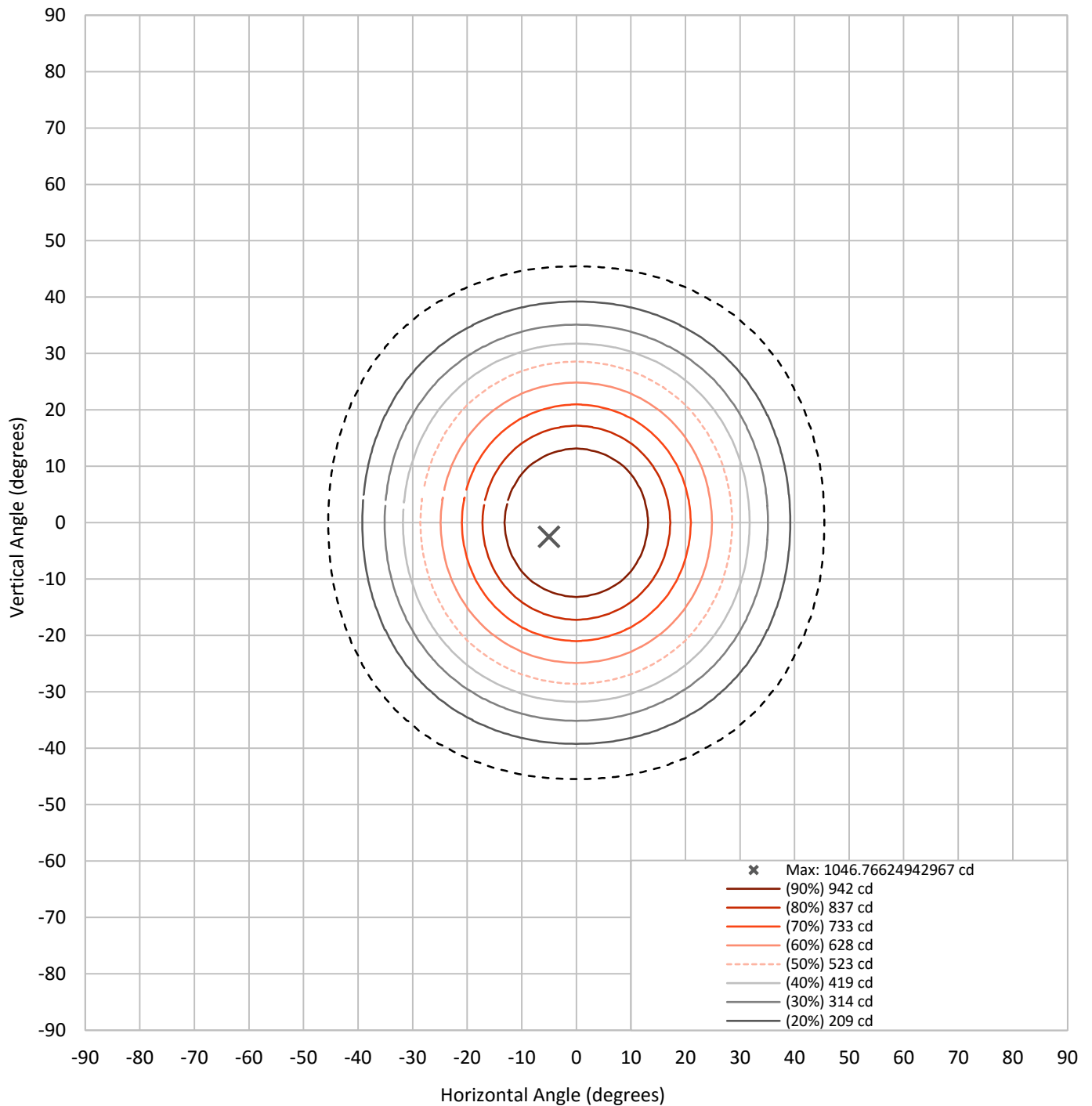
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	964.6 lumens	Max Intensity:	1046.8 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	96.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	57°H x 56.4°V	Field Angle (10%):	90.7°H x 90.3°V
Beam Lumens:	594 lumens	Field Lumens:	889.4 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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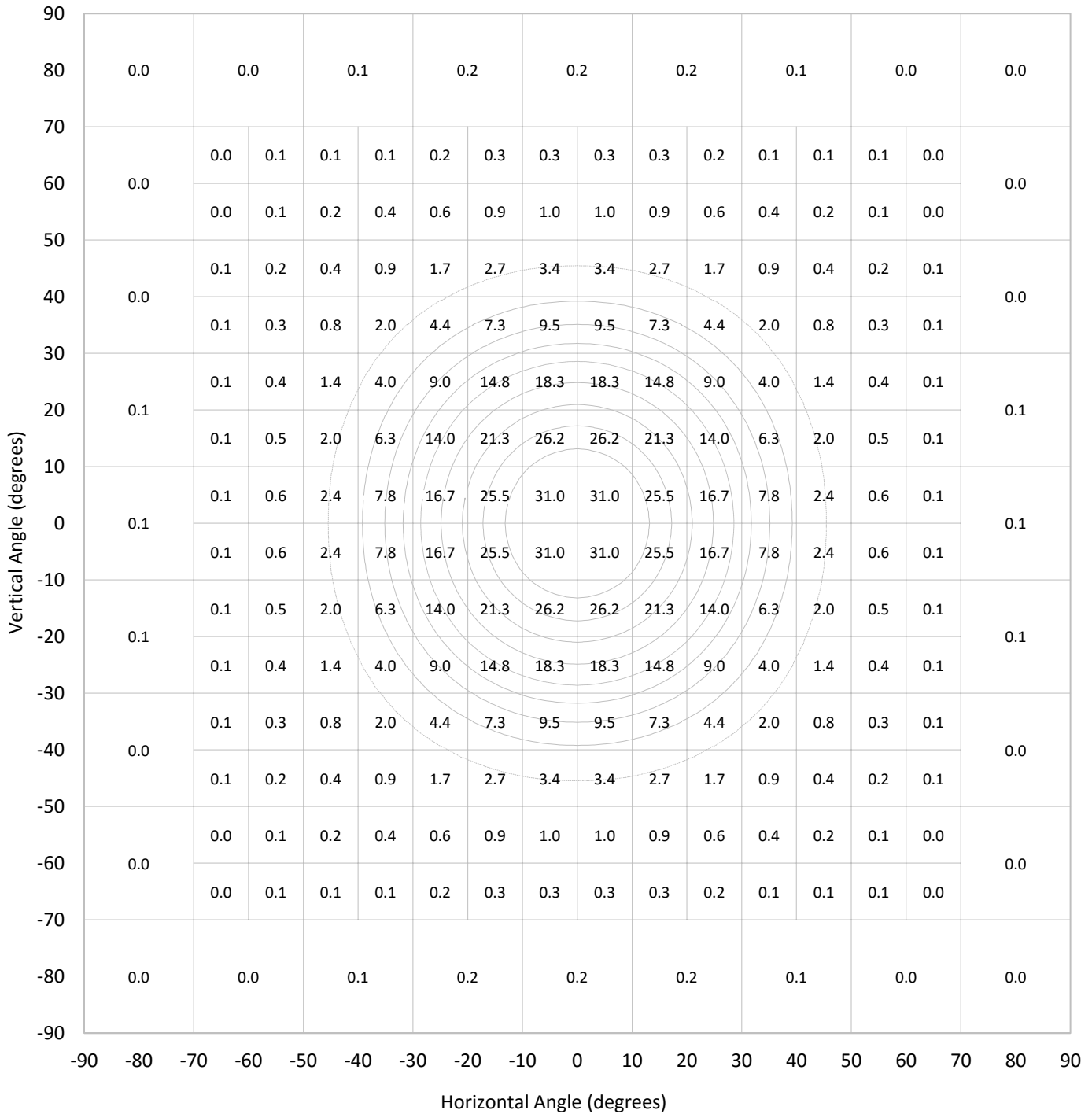
### Iso-Candela Plot





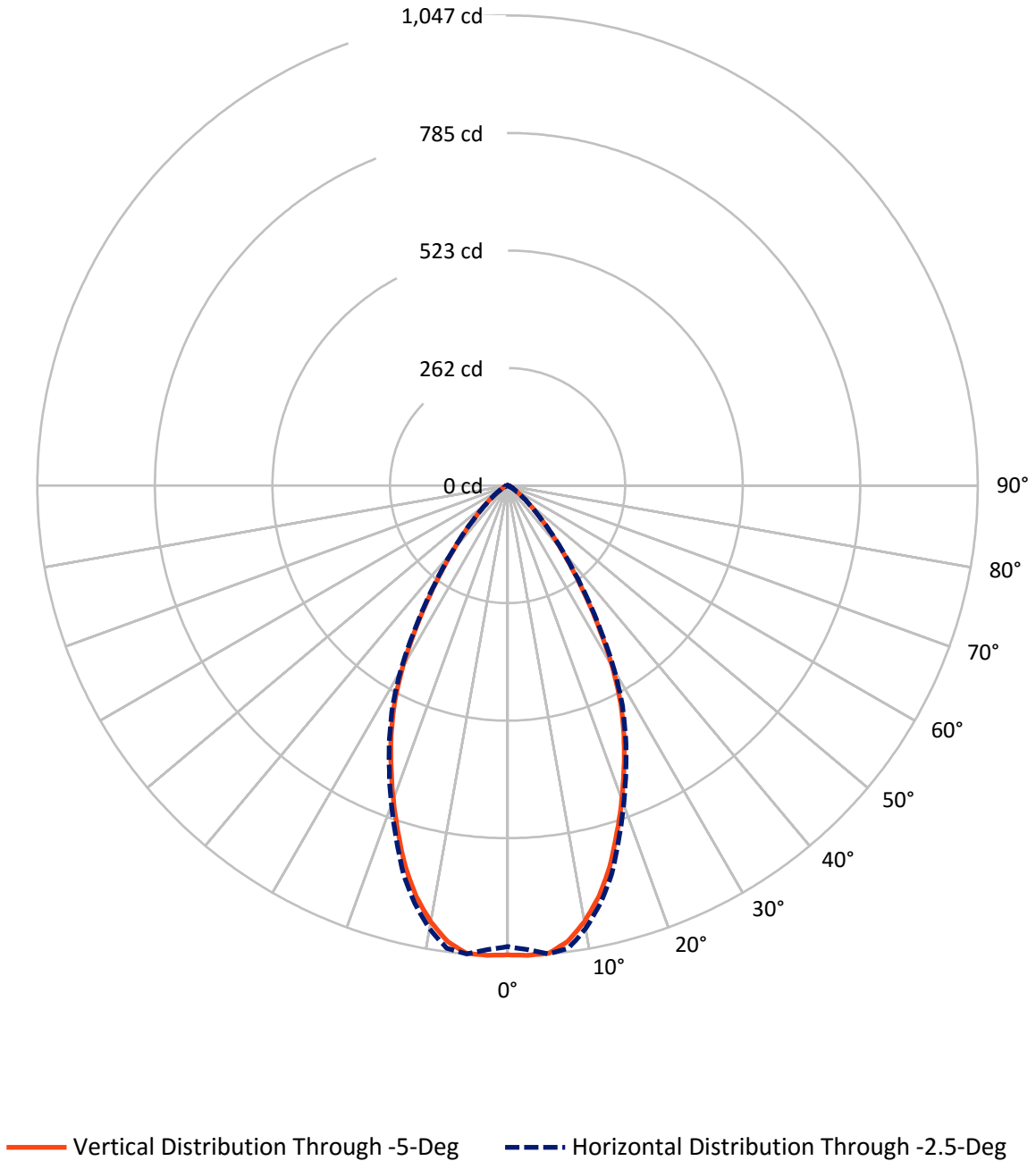
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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-W-WT-L1-UNV

### Lumen Table



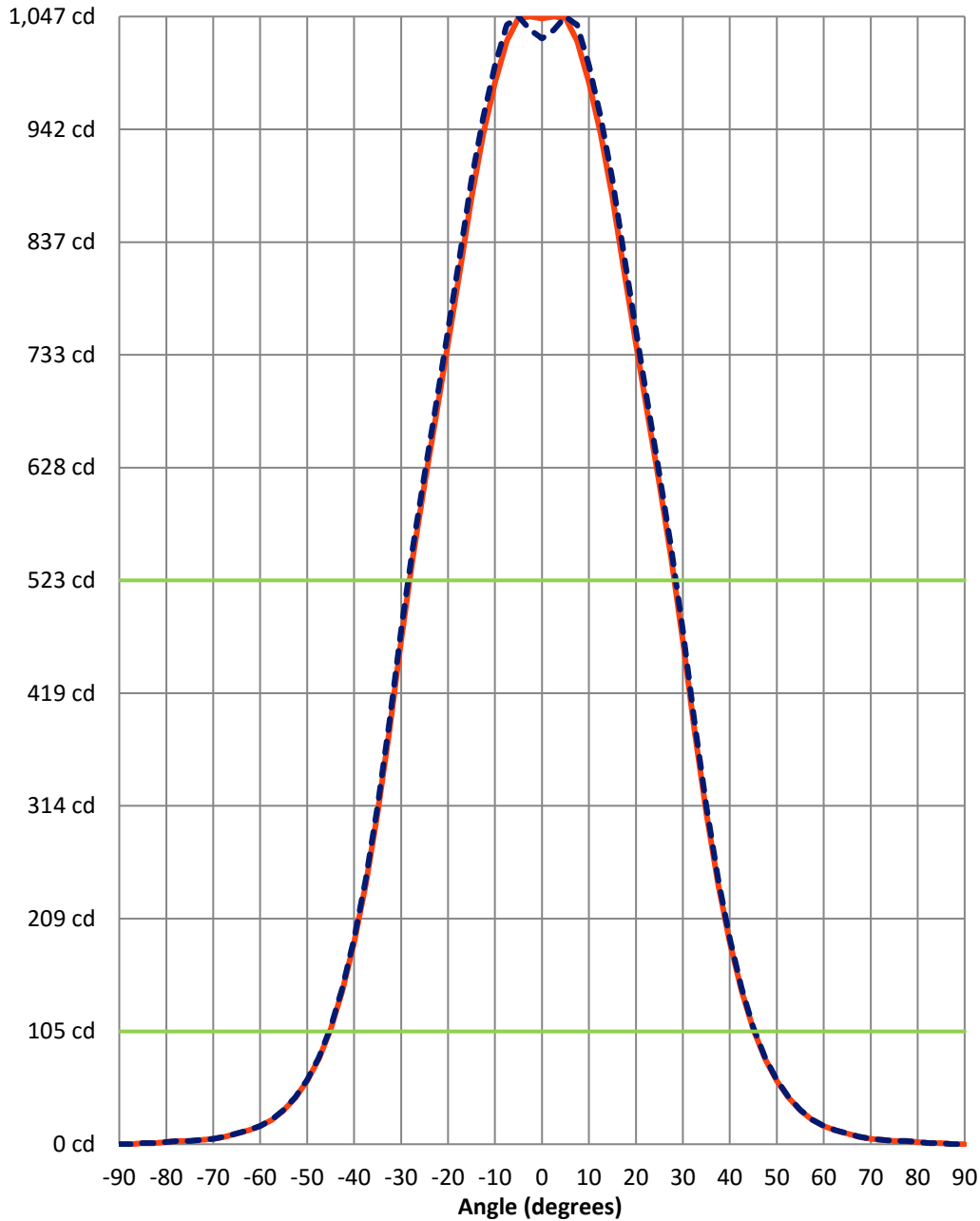
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
H Angle: 57°  
V Angle: 56.4°  
Lumens: 594  
Efficiency: 61.6%

**Field:**  
H Angle: 90.7°  
V Angle: 90.3°  
Lumens: 889.4  
Efficiency: 92.2%

**Spill:**  
Lumens: 75.2  
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	1	1
77.5°	0	0	0	0	0	0	0	0	1	1	1
75°	0	0	0	0	0	0	1	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	1	1	1	1	1	1	2
65°	0	0	0	0	1	1	1	1	1	2	2
62.5°	0	0	0	0	1	1	1	1	2	2	3
60°	0	0	0	0	1	1	1	1	2	2	3
57.5°	0	0	0	1	1	1	1	2	2	3	3
55°	0	0	0	1	1	1	1	2	3	3	3
52.5°	0	0	0	1	1	1	2	2	3	3	3
50°	0	0	0	1	1	1	2	2	3	3	3
47.5°	0	0	0	1	1	1	2	3	3	3	4
45°	0	0	0	1	1	2	2	3	3	3	4
42.5°	0	0	0	1	1	2	2	3	3	4	4
40°	0	0	1	1	1	2	3	3	3	4	5
37.5°	0	0	1	1	1	2	3	3	3	4	5
35°	0	0	1	1	1	2	3	3	4	4	5
32.5°	0	0	1	1	1	2	3	3	4	5	6
30°	0	0	1	1	1	2	3	3	4	5	6
27.5°	0	0	1	1	2	2	3	3	4	5	7
25°	0	0	1	1	2	3	3	3	4	5	7
22.5°	0	0	1	1	2	3	3	3	4	6	8
20°	0	0	1	1	2	3	3	4	4	6	8
17.5°	0	0	1	1	2	3	3	4	5	6	9
15°	0	0	1	1	2	3	3	4	5	6	9
12.5°	0	0	1	1	2	3	3	4	5	7	9
10°	0	0	1	1	2	3	3	4	5	7	10
7.5°	0	0	1	1	2	3	3	4	5	7	10
5°	0	0	1	1	2	3	3	4	5	7	10
2.5°	0	0	1	1	2	3	3	4	5	7	10
0°	0	0	1	1	2	3	3	4	5	7	10
-2.5°	0	0	1	1	2	3	3	4	5	7	10
-5°	0	0	1	1	2	3	3	4	5	7	10
-7.5°	0	0	1	1	2	3	3	4	5	7	10
-10°	0	0	1	1	2	3	3	4	5	7	10
-12.5°	0	0	1	1	2	3	3	4	5	7	9
-15°	0	0	1	1	2	3	3	4	5	6	9
-17.5°	0	0	1	1	2	3	3	4	5	6	9
-20°	0	0	1	1	2	3	3	4	4	6	8



REPORT NUMBER: P29420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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	2	3	3	3	4	6	8
-25°	0	0	1	1	2	3	3	3	4	5	7
-27.5°	0	0	1	1	2	2	3	3	4	5	7
-30°	0	0	1	1	1	2	3	3	4	5	6
-32.5°	0	0	1	1	1	2	3	3	4	5	6
-35°	0	0	1	1	1	2	3	3	4	4	5
-37.5°	0	0	1	1	1	2	3	3	3	4	5
-40°	0	0	1	1	1	2	3	3	3	4	5
-42.5°	0	0	0	1	1	2	2	3	3	4	4
-45°	0	0	0	1	1	2	2	3	3	3	4
-47.5°	0	0	0	1	1	1	2	3	3	3	4
-50°	0	0	0	1	1	1	2	2	3	3	3
-52.5°	0	0	0	1	1	1	2	2	3	3	3
-55°	0	0	0	1	1	1	1	2	3	3	3
-57.5°	0	0	0	1	1	1	1	2	2	3	3
-60°	0	0	0	0	1	1	1	1	2	2	3
-62.5°	0	0	0	0	1	1	1	1	2	2	3
-65°	0	0	0	0	1	1	1	1	1	2	2
-67.5°	0	0	0	0	1	1	1	1	1	1	2
-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	1	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	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: P29420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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	1	1
82.5°	0	0	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	2	2	2	2
75°	1	1	1	1	2	2	2	2	2	3	3
72.5°	1	1	2	2	2	2	3	3	3	3	3
70°	2	2	2	3	3	3	3	3	3	3	3
67.5°	2	2	3	3	3	3	3	3	4	4	4
65°	3	3	3	3	3	3	4	4	4	5	5
62.5°	3	3	3	3	4	4	4	5	5	6	6
60°	3	3	3	4	4	4	5	6	6	7	8
57.5°	3	3	4	4	5	5	6	7	8	9	10
55°	3	4	4	5	5	6	7	9	10	11	12
52.5°	4	4	5	5	6	8	9	11	12	13	15
50°	4	4	5	6	8	9	11	12	14	16	19
47.5°	4	5	6	7	9	11	13	15	17	20	23
45°	5	6	7	9	11	12	15	17	20	24	29
42.5°	5	6	8	10	12	14	17	20	25	30	36
40°	6	7	9	11	13	16	20	24	30	36	44
37.5°	6	8	10	12	15	19	23	29	36	44	54
35°	7	9	11	14	17	21	27	34	42	53	64
32.5°	8	10	12	15	19	24	31	40	50	62	77
30°	8	11	13	17	21	28	36	46	58	73	91
27.5°	9	12	15	18	24	31	41	53	67	84	106
25°	10	12	16	20	27	35	46	59	76	97	123
22.5°	10	13	17	22	29	39	51	67	86	110	141
20°	11	14	18	23	32	42	56	74	96	124	159
17.5°	11	15	19	25	34	46	61	80	105	138	177
15°	12	15	20	27	37	50	66	87	115	150	193
12.5°	12	16	21	29	39	53	71	94	124	163	209
10°	12	16	22	30	41	55	74	99	132	173	223
7.5°	13	17	22	31	42	57	77	104	138	181	234
5°	13	17	23	31	43	59	79	107	142	187	242
2.5°	13	17	23	32	44	60	81	108	145	191	246
0°	13	17	23	32	44	60	81	109	146	192	248
-2.5°	13	17	23	32	44	60	81	108	145	191	246
-5°	13	17	23	31	43	59	79	107	142	187	242
-7.5°	13	17	22	31	42	57	77	104	138	181	234
-10°	12	16	22	30	41	55	74	99	132	173	223
-12.5°	12	16	21	29	39	53	71	94	124	163	209
-15°	12	15	20	27	37	50	66	87	115	150	193
-17.5°	11	15	19	25	34	46	61	80	105	138	177
-20°	11	14	18	23	32	42	56	74	96	124	159



REPORT NUMBER: P29420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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°	10	13	17	22	29	39	51	67	86	110	141
-25°	10	12	16	20	27	35	46	59	76	97	123
-27.5°	9	12	15	18	24	31	41	53	67	84	106
-30°	8	11	13	17	21	28	36	46	58	73	91
-32.5°	8	10	12	15	19	24	31	40	50	62	77
-35°	7	9	11	14	17	21	27	34	42	53	64
-37.5°	6	8	10	12	15	19	23	29	36	44	54
-40°	6	7	9	11	13	16	20	24	30	36	44
-42.5°	5	6	8	10	12	14	17	20	25	30	36
-45°	5	6	7	9	11	12	15	17	20	24	29
-47.5°	4	5	6	7	9	11	13	15	17	20	23
-50°	4	4	5	6	8	9	11	12	14	16	19
-52.5°	4	4	5	5	6	8	9	11	12	13	15
-55°	3	4	4	5	5	6	7	9	10	11	12
-57.5°	3	3	4	4	5	5	6	7	8	9	10
-60°	3	3	3	4	4	4	5	6	6	7	8
-62.5°	3	3	3	3	4	4	4	5	5	6	6
-65°	3	3	3	3	3	3	4	4	4	5	5
-67.5°	2	2	3	3	3	3	3	3	4	4	4
-70°	2	2	2	3	3	3	3	3	3	3	3
-72.5°	1	1	2	2	2	2	3	3	3	3	3
-75°	1	1	1	1	2	2	2	2	2	3	3
-77.5°	1	1	1	1	1	1	1	2	2	2	2
-80°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	0	0	1	1	1	1	1	1	1	1	1
-85°	0	0	0	0	0	0	0	0	0	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: P29420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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	2	2	2	2	2	2	2	2
77.5°	2	2	2	2	3	3	3	3	3	3	3
75°	3	3	3	3	3	3	3	3	3	3	3
72.5°	3	3	3	3	3	3	4	4	4	4	4
70°	4	4	4	4	4	4	4	5	5	5	5
67.5°	4	5	5	5	5	6	6	6	6	7	7
65°	5	6	6	7	7	8	8	9	9	9	10
62.5°	7	8	8	9	10	10	11	11	12	12	12
60°	9	10	11	12	12	13	14	15	15	16	16
57.5°	11	12	13	15	16	17	18	19	20	21	22
55°	14	15	17	18	20	22	23	25	27	29	30
52.5°	17	19	21	24	27	29	32	34	37	39	41
50°	21	24	28	31	35	39	42	46	50	53	55
47.5°	27	31	36	41	46	51	56	61	66	71	74
45°	34	40	46	53	59	67	74	80	87	94	99
42.5°	42	50	58	67	76	86	96	105	115	124	132
40°	53	62	73	84	97	110	124	138	150	163	173
37.5°	64	77	91	106	123	141	159	177	193	209	223
35°	78	94	112	133	154	177	199	223	244	264	283
32.5°	94	114	137	163	189	219	246	277	304	329	352
30°	112	137	166	196	230	265	302	337	371	402	429
27.5°	133	163	196	234	275	317	362	403	444	480	507
25°	154	189	230	275	323	374	425	473	514	549	577
22.5°	177	219	265	317	374	432	488	535	577	610	638
20°	199	246	302	362	425	488	542	590	630	666	698
17.5°	223	277	337	403	473	535	590	637	681	721	758
15°	244	304	371	444	514	577	630	681	730	775	816
12.5°	264	329	402	480	549	610	666	721	775	826	874
10°	283	352	429	507	577	638	698	758	816	874	922
7.5°	297	370	451	529	598	660	724	787	852	912	959
5°	308	383	467	545	613	677	743	810	879	938	986
2.5°	314	391	477	554	622	688	756	825	895	953	1002
0°	316	394	480	557	625	692	760	830	901	959	1007
-2.5°	314	391	477	554	622	688	756	825	895	953	1002
-5°	308	383	467	545	613	677	743	810	879	938	986
-7.5°	297	370	451	529	598	660	724	787	852	912	959
-10°	283	352	429	507	577	638	698	758	816	874	922
-12.5°	264	329	402	480	549	610	666	721	775	826	874
-15°	244	304	371	444	514	577	630	681	730	775	816
-17.5°	223	277	337	403	473	535	590	637	681	721	758
-20°	199	246	302	362	425	488	542	590	630	666	698



REPORT NUMBER: P29420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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°	177	219	265	317	374	432	488	535	577	610	638
-25°	154	189	230	275	323	374	425	473	514	549	577
-27.5°	133	163	196	234	275	317	362	403	444	480	507
-30°	112	137	166	196	230	265	302	337	371	402	429
-32.5°	94	114	137	163	189	219	246	277	304	329	352
-35°	78	94	112	133	154	177	199	223	244	264	283
-37.5°	64	77	91	106	123	141	159	177	193	209	223
-40°	53	62	73	84	97	110	124	138	150	163	173
-42.5°	42	50	58	67	76	86	96	105	115	124	132
-45°	34	40	46	53	59	67	74	80	87	94	99
-47.5°	27	31	36	41	46	51	56	61	66	71	74
-50°	21	24	28	31	35	39	42	46	50	53	55
-52.5°	17	19	21	24	27	29	32	34	37	39	41
-55°	14	15	17	18	20	22	23	25	27	29	30
-57.5°	11	12	13	15	16	17	18	19	20	21	22
-60°	9	10	11	12	12	13	14	15	15	16	16
-62.5°	7	8	8	9	10	10	11	11	12	12	12
-65°	5	6	6	7	7	8	8	9	9	9	10
-67.5°	4	5	5	5	5	6	6	6	6	7	7
-70°	4	4	4	4	4	4	4	5	5	5	5
-72.5°	3	3	3	3	3	3	4	4	4	4	4
-75°	3	3	3	3	3	3	3	3	3	3	3
-77.5°	2	2	2	2	3	3	3	3	3	3	3
-80°	1	1	1	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: P29420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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°	3	3	3	3	3	3	3	3	3	3	3
75°	3	3	3	3	3	3	3	3	3	3	3
72.5°	4	4	4	4	4	4	4	4	4	4	4
70°	5	5	5	5	5	5	5	5	5	5	5
67.5°	7	7	7	7	7	7	7	7	7	6	6
65°	10	10	10	10	10	10	10	10	9	9	9
62.5°	13	13	13	13	13	13	13	12	12	12	11
60°	17	17	17	17	17	17	17	16	16	15	15
57.5°	22	23	23	23	23	23	22	22	21	20	19
55°	31	31	32	32	32	31	31	30	29	27	25
52.5°	42	43	44	44	44	43	42	41	39	37	34
50°	57	59	60	60	60	59	57	55	53	50	46
47.5°	77	79	81	81	81	79	77	74	71	66	61
45°	104	107	108	109	108	107	104	99	94	87	80
42.5°	138	142	145	146	145	142	138	132	124	115	105
40°	181	187	191	192	191	187	181	173	163	150	138
37.5°	234	242	246	248	246	242	234	223	209	193	177
35°	297	308	314	316	314	308	297	283	264	244	223
32.5°	370	383	391	394	391	383	370	352	329	304	277
30°	451	467	477	480	477	467	451	429	402	371	337
27.5°	529	545	554	557	554	545	529	507	480	444	403
25°	598	613	622	625	622	613	598	577	549	514	473
22.5°	660	677	688	692	688	677	660	638	610	577	535
20°	724	743	756	760	756	743	724	698	666	630	590
17.5°	787	810	825	830	825	810	787	758	721	681	637
15°	852	879	895	901	895	879	852	816	775	730	681
12.5°	912	938	953	959	953	938	912	874	826	775	721
10°	959	986	1002	1007	1002	986	959	922	874	816	758
7.5°	996	1024	1039	1042	1039	1024	996	959	912	852	787
5°	1024	1045	1047	1045	1047	1045	1024	986	938	879	810
2.5°	1039	1047	1034	1027	1034	1047	1039	1002	953	895	825
0°	1042	1045	1027	1026	1027	1045	1042	1007	959	901	830
-2.5°	1039	1047	1034	1027	1034	1047	1039	1002	953	895	825
-5°	1024	1045	1047	1045	1047	1045	1024	986	938	879	810
-7.5°	996	1024	1039	1042	1039	1024	996	959	912	852	787
-10°	959	986	1002	1007	1002	986	959	922	874	816	758
-12.5°	912	938	953	959	953	938	912	874	826	775	721
-15°	852	879	895	901	895	879	852	816	775	730	681
-17.5°	787	810	825	830	825	810	787	758	721	681	637
-20°	724	743	756	760	756	743	724	698	666	630	590



REPORT NUMBER: P29420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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°	660	677	688	692	688	677	660	638	610	577	535
-25°	598	613	622	625	622	613	598	577	549	514	473
-27.5°	529	545	554	557	554	545	529	507	480	444	403
-30°	451	467	477	480	477	467	451	429	402	371	337
-32.5°	370	383	391	394	391	383	370	352	329	304	277
-35°	297	308	314	316	314	308	297	283	264	244	223
-37.5°	234	242	246	248	246	242	234	223	209	193	177
-40°	181	187	191	192	191	187	181	173	163	150	138
-42.5°	138	142	145	146	145	142	138	132	124	115	105
-45°	104	107	108	109	108	107	104	99	94	87	80
-47.5°	77	79	81	81	81	79	77	74	71	66	61
-50°	57	59	60	60	60	59	57	55	53	50	46
-52.5°	42	43	44	44	44	43	42	41	39	37	34
-55°	31	31	32	32	32	31	31	30	29	27	25
-57.5°	22	23	23	23	23	23	22	22	21	20	19
-60°	17	17	17	17	17	17	17	16	16	15	15
-62.5°	13	13	13	13	13	13	13	12	12	12	11
-65°	10	10	10	10	10	10	10	10	9	9	9
-67.5°	7	7	7	7	7	7	7	7	7	6	6
-70°	5	5	5	5	5	5	5	5	5	5	5
-72.5°	4	4	4	4	4	4	4	4	4	4	4
-75°	3	3	3	3	3	3	3	3	3	3	3
-77.5°	3	3	3	3	3	3	3	3	3	3	3
-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: P29420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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	1	1	0	0
82.5°	1	1	1	1	1	1	1	1	1	1	1
80°	2	2	2	2	1	1	1	1	1	1	1
77.5°	3	3	3	2	2	2	2	2	2	2	2
75°	3	3	3	3	3	3	3	3	3	2	2
72.5°	4	3	3	3	3	3	3	3	3	3	3
70°	4	4	4	4	4	4	4	3	3	3	3
67.5°	6	6	5	5	5	5	4	4	4	4	3
65°	8	8	7	7	6	6	5	5	5	4	4
62.5°	11	10	10	9	8	8	7	6	6	5	5
60°	14	13	12	12	11	10	9	8	7	6	6
57.5°	18	17	16	15	13	12	11	10	9	8	7
55°	23	22	20	18	17	15	14	12	11	10	9
52.5°	32	29	27	24	21	19	17	15	13	12	11
50°	42	39	35	31	28	24	21	19	16	14	12
47.5°	56	51	46	41	36	31	27	23	20	17	15
45°	74	67	59	53	46	40	34	29	24	20	17
42.5°	96	86	76	67	58	50	42	36	30	25	20
40°	124	110	97	84	73	62	53	44	36	30	24
37.5°	159	141	123	106	91	77	64	54	44	36	29
35°	199	177	154	133	112	94	78	64	53	42	34
32.5°	246	219	189	163	137	114	94	77	62	50	40
30°	302	265	230	196	166	137	112	91	73	58	46
27.5°	362	317	275	234	196	163	133	106	84	67	53
25°	425	374	323	275	230	189	154	123	97	76	59
22.5°	488	432	374	317	265	219	177	141	110	86	67
20°	542	488	425	362	302	246	199	159	124	96	74
17.5°	590	535	473	403	337	277	223	177	138	105	80
15°	630	577	514	444	371	304	244	193	150	115	87
12.5°	666	610	549	480	402	329	264	209	163	124	94
10°	698	638	577	507	429	352	283	223	173	132	99
7.5°	724	660	598	529	451	370	297	234	181	138	104
5°	743	677	613	545	467	383	308	242	187	142	107
2.5°	756	688	622	554	477	391	314	246	191	145	108
0°	760	692	625	557	480	394	316	248	192	146	109
-2.5°	756	688	622	554	477	391	314	246	191	145	108
-5°	743	677	613	545	467	383	308	242	187	142	107
-7.5°	724	660	598	529	451	370	297	234	181	138	104
-10°	698	638	577	507	429	352	283	223	173	132	99
-12.5°	666	610	549	480	402	329	264	209	163	124	94
-15°	630	577	514	444	371	304	244	193	150	115	87
-17.5°	590	535	473	403	337	277	223	177	138	105	80
-20°	542	488	425	362	302	246	199	159	124	96	74



REPORT NUMBER: P29420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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°	488	432	374	317	265	219	177	141	110	86	67
-25°	425	374	323	275	230	189	154	123	97	76	59
-27.5°	362	317	275	234	196	163	133	106	84	67	53
-30°	302	265	230	196	166	137	112	91	73	58	46
-32.5°	246	219	189	163	137	114	94	77	62	50	40
-35°	199	177	154	133	112	94	78	64	53	42	34
-37.5°	159	141	123	106	91	77	64	54	44	36	29
-40°	124	110	97	84	73	62	53	44	36	30	24
-42.5°	96	86	76	67	58	50	42	36	30	25	20
-45°	74	67	59	53	46	40	34	29	24	20	17
-47.5°	56	51	46	41	36	31	27	23	20	17	15
-50°	42	39	35	31	28	24	21	19	16	14	12
-52.5°	32	29	27	24	21	19	17	15	13	12	11
-55°	23	22	20	18	17	15	14	12	11	10	9
-57.5°	18	17	16	15	13	12	11	10	9	8	7
-60°	14	13	12	12	11	10	9	8	7	6	6
-62.5°	11	10	10	9	8	8	7	6	6	5	5
-65°	8	8	7	7	6	6	5	5	5	4	4
-67.5°	6	6	5	5	5	5	4	4	4	4	3
-70°	4	4	4	4	4	4	4	3	3	3	3
-72.5°	4	3	3	3	3	3	3	3	3	3	3
-75°	3	3	3	3	3	3	3	3	3	2	2
-77.5°	3	3	3	2	2	2	2	2	2	2	2
-80°	2	2	2	2	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	1	1	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: P29420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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	1	0	0	0	0	0	0
80°	1	1	1	1	1	1	1	1	1	0	0
77.5°	1	1	1	1	1	1	1	1	1	1	0
75°	2	2	2	1	1	1	1	1	1	1	1
72.5°	3	2	2	2	2	1	1	1	1	1	1
70°	3	3	3	3	2	2	2	1	1	1	1
67.5°	3	3	3	3	3	2	2	2	1	1	1
65°	4	3	3	3	3	3	3	2	2	1	1
62.5°	4	4	4	3	3	3	3	3	2	2	1
60°	5	4	4	4	3	3	3	3	2	2	1
57.5°	6	5	5	4	4	3	3	3	3	2	2
55°	7	6	5	5	4	4	3	3	3	3	2
52.5°	9	8	6	5	5	4	4	3	3	3	2
50°	11	9	8	6	5	4	4	3	3	3	2
47.5°	13	11	9	7	6	5	4	4	3	3	3
45°	15	12	11	9	7	6	5	4	3	3	3
42.5°	17	14	12	10	8	6	5	4	4	3	3
40°	20	16	13	11	9	7	6	5	4	3	3
37.5°	23	19	15	12	10	8	6	5	4	3	3
35°	27	21	17	14	11	9	7	5	4	4	3
32.5°	31	24	19	15	12	10	8	6	5	4	3
30°	36	28	21	17	13	11	8	6	5	4	3
27.5°	41	31	24	18	15	12	9	7	5	4	3
25°	46	35	27	20	16	12	10	7	5	4	3
22.5°	51	39	29	22	17	13	10	8	6	4	3
20°	56	42	32	23	18	14	11	8	6	4	4
17.5°	61	46	34	25	19	15	11	9	6	5	4
15°	66	50	37	27	20	15	12	9	6	5	4
12.5°	71	53	39	29	21	16	12	9	7	5	4
10°	74	55	41	30	22	16	12	10	7	5	4
7.5°	77	57	42	31	22	17	13	10	7	5	4
5°	79	59	43	31	23	17	13	10	7	5	4
2.5°	81	60	44	32	23	17	13	10	7	5	4
0°	81	60	44	32	23	17	13	10	7	5	4
-2.5°	81	60	44	32	23	17	13	10	7	5	4
-5°	79	59	43	31	23	17	13	10	7	5	4
-7.5°	77	57	42	31	22	17	13	10	7	5	4
-10°	74	55	41	30	22	16	12	10	7	5	4
-12.5°	71	53	39	29	21	16	12	9	7	5	4
-15°	66	50	37	27	20	15	12	9	6	5	4
-17.5°	61	46	34	25	19	15	11	9	6	5	4
-20°	56	42	32	23	18	14	11	8	6	4	4



REPORT NUMBER: P29420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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°	51	39	29	22	17	13	10	8	6	4	3
-25°	46	35	27	20	16	12	10	7	5	4	3
-27.5°	41	31	24	18	15	12	9	7	5	4	3
-30°	36	28	21	17	13	11	8	6	5	4	3
-32.5°	31	24	19	15	12	10	8	6	5	4	3
-35°	27	21	17	14	11	9	7	5	4	4	3
-37.5°	23	19	15	12	10	8	6	5	4	3	3
-40°	20	16	13	11	9	7	6	5	4	3	3
-42.5°	17	14	12	10	8	6	5	4	4	3	3
-45°	15	12	11	9	7	6	5	4	3	3	3
-47.5°	13	11	9	7	6	5	4	4	3	3	3
-50°	11	9	8	6	5	4	4	3	3	3	2
-52.5°	9	8	6	5	5	4	4	3	3	3	2
-55°	7	6	5	5	4	4	3	3	3	3	2
-57.5°	6	5	5	4	4	3	3	3	3	2	2
-60°	5	4	4	4	3	3	3	3	2	2	1
-62.5°	4	4	4	3	3	3	3	3	2	2	1
-65°	4	3	3	3	3	3	3	2	2	1	1
-67.5°	3	3	3	3	3	2	2	2	1	1	1
-70°	3	3	3	3	2	2	2	1	1	1	1
-72.5°	3	2	2	2	2	1	1	1	1	1	1
-75°	2	2	2	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	1	0	0
-82.5°	1	1	1	1	1	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: P29420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-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°	1	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	1	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	1	0	0	0
55°	1	1	1	1	0	0	0
52.5°	2	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	2	1	1	0	0	0
42.5°	2	2	1	1	0	0	0
40°	3	2	1	1	1	0	0
37.5°	3	2	1	1	1	0	0
35°	3	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	2	1	1	0	0
25°	3	3	2	1	1	0	0
22.5°	3	3	2	1	1	0	0
20°	3	3	2	1	1	0	0
17.5°	3	3	2	1	1	0	0
15°	3	3	2	1	1	0	0
12.5°	3	3	2	1	1	0	0
10°	3	3	2	1	1	0	0
7.5°	3	3	2	1	1	0	0
5°	3	3	2	1	1	0	0
2.5°	3	3	2	1	1	0	0
0°	3	3	2	1	1	0	0
-2.5°	3	3	2	1	1	0	0
-5°	3	3	2	1	1	0	0
-7.5°	3	3	2	1	1	0	0
-10°	3	3	2	1	1	0	0
-12.5°	3	3	2	1	1	0	0
-15°	3	3	2	1	1	0	0
-17.5°	3	3	2	1	1	0	0
-20°	3	3	2	1	1	0	0



REPORT NUMBER: P29420 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED4080-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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