

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: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED5080-W-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220396 (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-LED5080-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	1053.1 lumens	Max Intensity:	1142.8 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	105.3 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:	648.5 lumens	Field Lumens:	971 lumens
Beam Efficiency:	61.6%	Field Efficiency:	92.2%

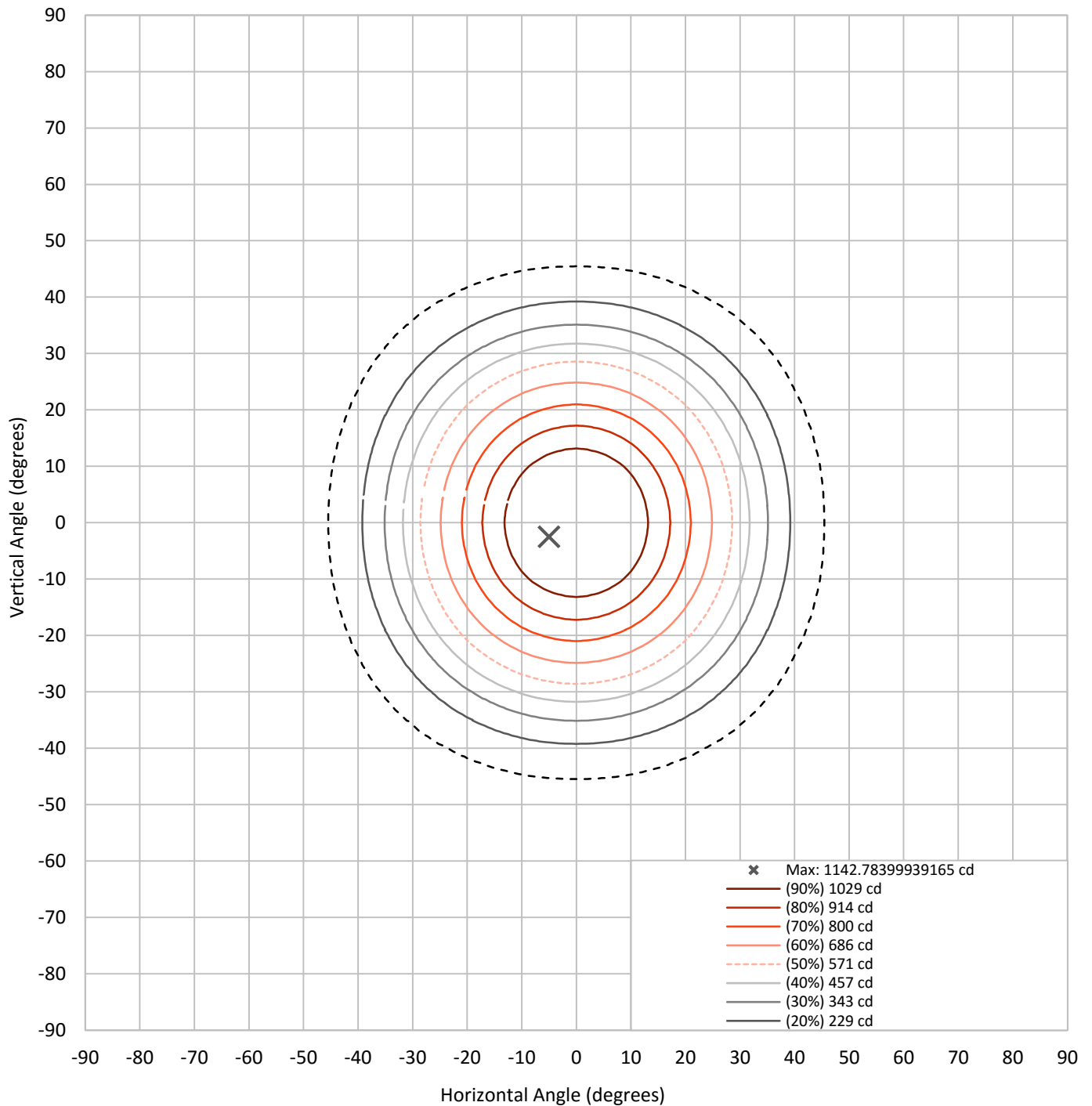
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-WT-L1-UNV

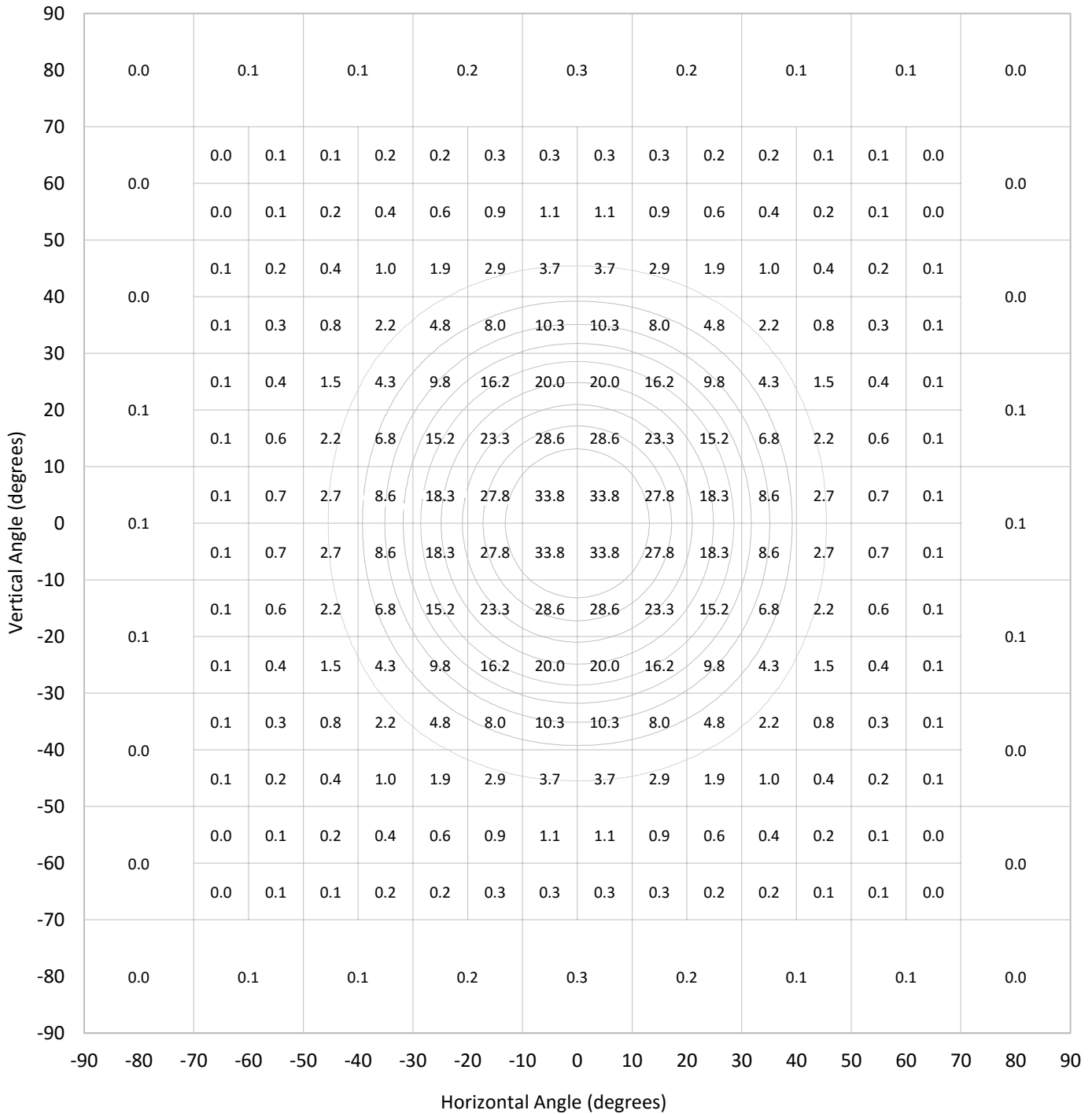
Iso-Candela Plot





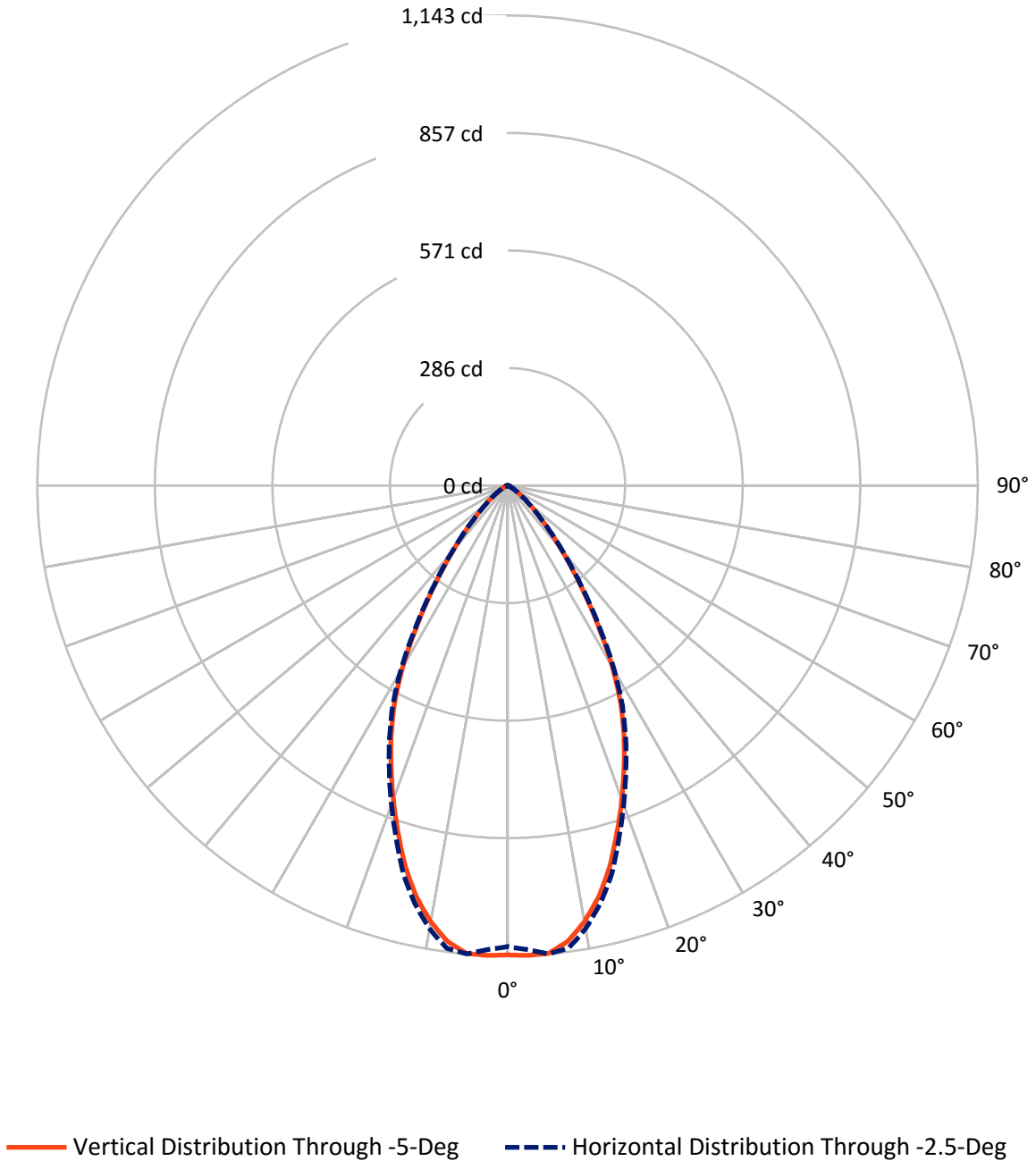
REPORT NUMBER: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-WT-L1-UNV

Lumen Table



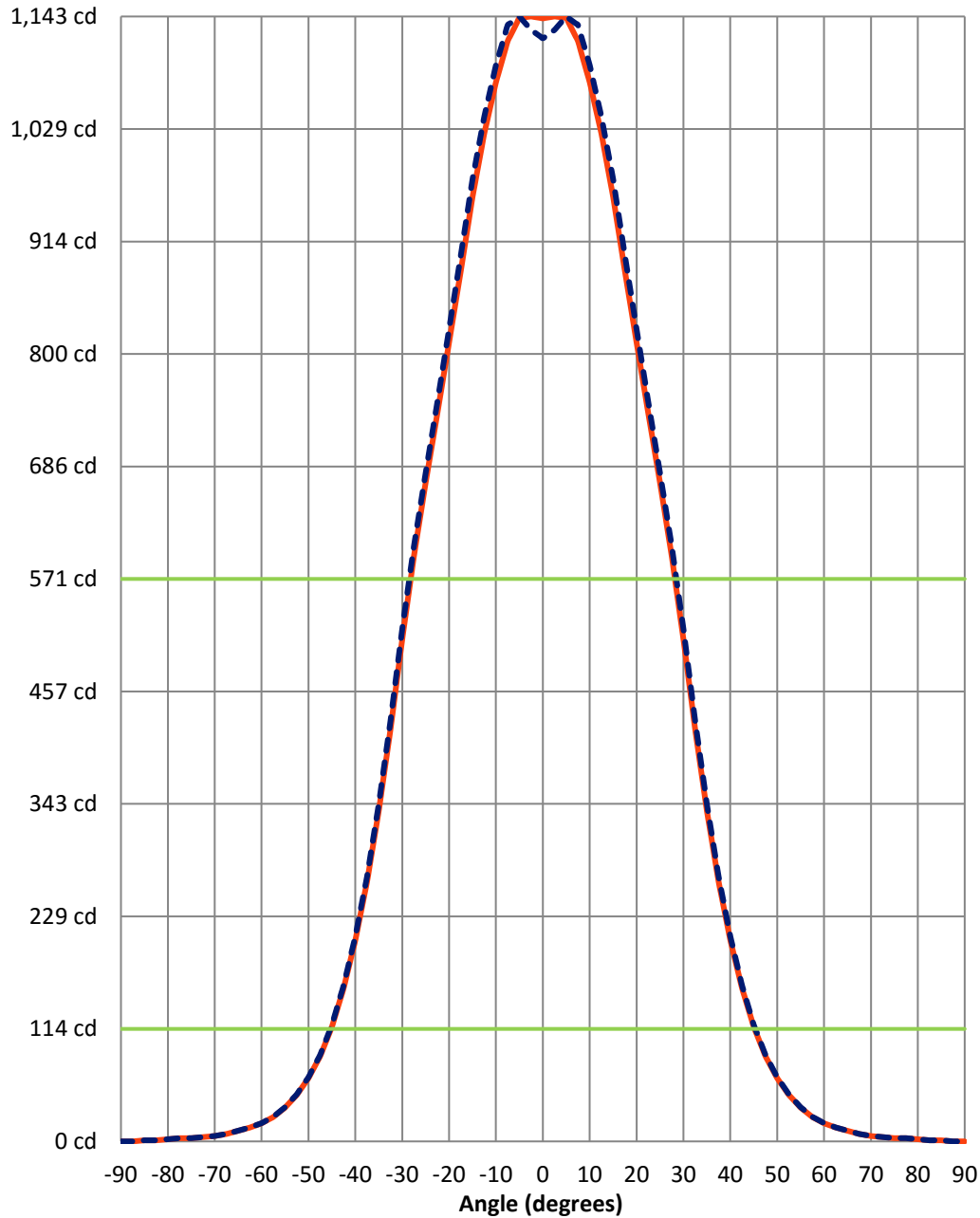
REPORT NUMBER: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-W-WT-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 57°
 V Angle: 56.4°
 Lumens: 648.5
 Efficiency: 61.6%

Field:
 H Angle: 90.7°
 V Angle: 90.3°
 Lumens: 971
 Efficiency: 92.2%

Spill:
 Lumens: 82.2
 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	1	1	1	1
75°	0	0	0	0	0	0	1	1	1	1	1
72.5°	0	0	0	0	0	1	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	2	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	1	1	1	1	2	2	3	3
57.5°	0	0	0	1	1	1	1	2	2	3	3
55°	0	0	0	1	1	1	2	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	3	3	3	4
47.5°	0	0	0	1	1	1	2	3	3	3	4
45°	0	0	0	1	1	2	2	3	3	4	4
42.5°	0	0	1	1	1	2	3	3	3	4	5
40°	0	0	1	1	1	2	3	3	3	4	5
37.5°	0	0	1	1	1	2	3	3	4	4	5
35°	0	0	1	1	1	2	3	3	4	5	6
32.5°	0	0	1	1	2	2	3	3	4	5	6
30°	0	0	1	1	2	3	3	3	4	5	7
27.5°	0	0	1	1	2	3	3	4	4	5	7
25°	0	0	1	1	2	3	3	4	5	6	8
22.5°	0	0	1	1	2	3	3	4	5	6	8
20°	0	0	1	1	2	3	3	4	5	6	9
17.5°	0	0	1	1	2	3	3	4	5	7	9
15°	0	0	1	1	2	3	3	4	5	7	10
12.5°	0	0	1	1	2	3	3	4	5	7	10
10°	0	0	1	1	2	3	3	4	5	7	10
7.5°	0	0	1	1	2	3	3	4	5	7	11
5°	0	0	1	1	2	3	3	4	5	8	11
2.5°	0	0	1	1	2	3	3	4	5	8	11
0°	0	0	1	1	2	3	3	4	6	8	11
-2.5°	0	0	1	1	2	3	3	4	5	8	11
-5°	0	0	1	1	2	3	3	4	5	8	11
-7.5°	0	0	1	1	2	3	3	4	5	7	11
-10°	0	0	1	1	2	3	3	4	5	7	10
-12.5°	0	0	1	1	2	3	3	4	5	7	10
-15°	0	0	1	1	2	3	3	4	5	7	10
-17.5°	0	0	1	1	2	3	3	4	5	7	9
-20°	0	0	1	1	2	3	3	4	5	6	9



REPORT NUMBER: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-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	4	5	6	8
-25°	0	0	1	1	2	3	3	4	5	6	8
-27.5°	0	0	1	1	2	3	3	4	4	5	7
-30°	0	0	1	1	2	3	3	3	4	5	7
-32.5°	0	0	1	1	2	2	3	3	4	5	6
-35°	0	0	1	1	1	2	3	3	4	5	6
-37.5°	0	0	1	1	1	2	3	3	4	4	5
-40°	0	0	1	1	1	2	3	3	3	4	5
-42.5°	0	0	1	1	1	2	3	3	3	4	5
-45°	0	0	0	1	1	2	2	3	3	4	4
-47.5°	0	0	0	1	1	1	2	3	3	3	4
-50°	0	0	0	1	1	1	2	3	3	3	4
-52.5°	0	0	0	1	1	1	2	2	3	3	3
-55°	0	0	0	1	1	1	2	2	3	3	3
-57.5°	0	0	0	1	1	1	1	2	2	3	3
-60°	0	0	0	1	1	1	1	2	2	3	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	2	2
-70°	0	0	0	0	0	1	1	1	1	1	1
-72.5°	0	0	0	0	0	1	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	1	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: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-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	1	1	1
82.5°	0	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	2	2	2	2
75°	1	1	1	2	2	2	2	2	3	3	3
72.5°	1	2	2	2	2	3	3	3	3	3	3
70°	2	2	2	3	3	3	3	3	3	3	4
67.5°	2	3	3	3	3	3	3	4	4	4	4
65°	3	3	3	3	3	4	4	4	5	5	5
62.5°	3	3	3	3	4	4	5	5	5	6	7
60°	3	3	4	4	4	5	5	6	7	8	9
57.5°	3	4	4	5	5	6	7	7	9	10	11
55°	3	4	5	5	6	7	8	9	11	12	14
52.5°	4	4	5	6	7	8	10	12	13	15	17
50°	4	5	6	7	8	10	12	14	16	18	20
47.5°	5	5	7	8	10	12	14	16	18	22	25
45°	5	6	7	9	12	14	16	19	22	26	31
42.5°	5	7	9	11	13	16	18	22	27	32	39
40°	6	8	10	12	15	18	22	26	32	40	48
37.5°	7	9	11	14	17	20	25	31	39	48	59
35°	7	10	12	15	18	23	29	37	46	58	70
32.5°	8	11	13	17	21	26	34	43	55	68	84
30°	9	12	15	18	23	30	39	50	63	80	99
27.5°	10	13	16	20	26	34	44	57	73	92	116
25°	11	13	17	22	29	38	50	64	83	106	135
22.5°	11	14	18	24	32	42	56	73	94	120	154
20°	12	15	19	26	34	46	61	81	105	136	174
17.5°	12	16	21	28	37	50	67	88	115	150	193
15°	13	17	22	30	40	54	72	95	126	164	210
12.5°	13	17	23	31	43	58	77	103	136	178	228
10°	14	18	24	33	45	60	81	108	144	189	243
7.5°	14	18	24	34	46	63	84	113	151	198	255
5°	14	18	25	34	47	64	87	116	156	204	264
2.5°	14	19	25	35	48	65	88	118	158	208	269
0°	14	19	25	35	48	65	88	119	159	210	271
-2.5°	14	19	25	35	48	65	88	118	158	208	269
-5°	14	18	25	34	47	64	87	116	156	204	264
-7.5°	14	18	24	34	46	63	84	113	151	198	255
-10°	14	18	24	33	45	60	81	108	144	189	243
-12.5°	13	17	23	31	43	58	77	103	136	178	228
-15°	13	17	22	30	40	54	72	95	126	164	210
-17.5°	12	16	21	28	37	50	67	88	115	150	193
-20°	12	15	19	26	34	46	61	81	105	136	174



REPORT NUMBER: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-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°	11	14	18	24	32	42	56	73	94	120	154
-25°	11	13	17	22	29	38	50	64	83	106	135
-27.5°	10	13	16	20	26	34	44	57	73	92	116
-30°	9	12	15	18	23	30	39	50	63	80	99
-32.5°	8	11	13	17	21	26	34	43	55	68	84
-35°	7	10	12	15	18	23	29	37	46	58	70
-37.5°	7	9	11	14	17	20	25	31	39	48	59
-40°	6	8	10	12	15	18	22	26	32	40	48
-42.5°	5	7	9	11	13	16	18	22	27	32	39
-45°	5	6	7	9	12	14	16	19	22	26	31
-47.5°	5	5	7	8	10	12	14	16	18	22	25
-50°	4	5	6	7	8	10	12	14	16	18	20
-52.5°	4	4	5	6	7	8	10	12	13	15	17
-55°	3	4	5	5	6	7	8	9	11	12	14
-57.5°	3	4	4	5	5	6	7	7	9	10	11
-60°	3	3	4	4	4	5	5	6	7	8	9
-62.5°	3	3	3	3	4	4	5	5	5	6	7
-65°	3	3	3	3	3	4	4	4	5	5	5
-67.5°	2	3	3	3	3	3	3	4	4	4	4
-70°	2	2	2	3	3	3	3	3	3	3	4
-72.5°	1	2	2	2	2	3	3	3	3	3	3
-75°	1	1	1	2	2	2	2	2	3	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	1	1	1	1	1	1	1	1	1	1
-85°	0	0	0	0	0	0	0	0	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: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-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	2	2	2	2	2	2	2	2	2	2
77.5°	2	2	3	3	3	3	3	3	3	3	3
75°	3	3	3	3	3	3	3	3	3	3	3
72.5°	3	3	3	4	4	4	4	4	4	4	4
70°	4	4	4	4	5	5	5	5	5	5	5
67.5°	5	5	5	5	6	6	6	7	7	7	7
65°	6	6	7	7	8	8	9	9	10	10	10
62.5°	7	8	9	10	11	11	12	12	13	13	14
60°	10	11	12	13	13	14	15	16	17	17	18
57.5°	12	13	15	16	17	18	19	21	22	23	24
55°	15	17	18	20	22	24	26	28	30	31	33
52.5°	18	21	23	26	29	32	34	37	40	43	45
50°	23	26	30	34	38	42	46	50	54	58	60
47.5°	29	34	39	44	50	56	61	67	72	77	81
45°	37	43	50	57	64	73	81	88	95	103	108
42.5°	46	55	63	73	83	94	105	115	126	136	144
40°	58	68	80	92	106	120	136	150	164	178	189
37.5°	70	84	99	116	135	154	174	193	210	228	243
35°	85	103	122	145	168	193	218	243	266	289	309
32.5°	103	125	150	178	207	239	269	302	332	360	384
30°	122	150	181	214	251	290	329	368	405	439	469
27.5°	145	178	214	256	301	346	395	440	485	524	554
25°	168	207	251	301	353	408	464	517	561	599	630
22.5°	193	239	290	346	408	471	532	584	630	666	696
20°	218	269	329	395	464	532	592	644	688	727	762
17.5°	243	302	368	440	517	584	644	695	743	788	827
15°	266	332	405	485	561	630	688	743	796	846	891
12.5°	289	360	439	524	599	666	727	788	846	902	954
10°	309	384	469	554	630	696	762	827	891	954	1007
7.5°	324	404	493	577	653	721	790	859	930	996	1047
5°	336	419	510	594	669	740	812	884	959	1024	1076
2.5°	343	427	520	605	679	751	825	900	978	1041	1093
0°	345	430	524	608	682	755	830	906	984	1046	1099
-2.5°	343	427	520	605	679	751	825	900	978	1041	1093
-5°	336	419	510	594	669	740	812	884	959	1024	1076
-7.5°	324	404	493	577	653	721	790	859	930	996	1047
-10°	309	384	469	554	630	696	762	827	891	954	1007
-12.5°	289	360	439	524	599	666	727	788	846	902	954
-15°	266	332	405	485	561	630	688	743	796	846	891
-17.5°	243	302	368	440	517	584	644	695	743	788	827
-20°	218	269	329	395	464	532	592	644	688	727	762



REPORT NUMBER: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-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°	193	239	290	346	408	471	532	584	630	666	696
-25°	168	207	251	301	353	408	464	517	561	599	630
-27.5°	145	178	214	256	301	346	395	440	485	524	554
-30°	122	150	181	214	251	290	329	368	405	439	469
-32.5°	103	125	150	178	207	239	269	302	332	360	384
-35°	85	103	122	145	168	193	218	243	266	289	309
-37.5°	70	84	99	116	135	154	174	193	210	228	243
-40°	58	68	80	92	106	120	136	150	164	178	189
-42.5°	46	55	63	73	83	94	105	115	126	136	144
-45°	37	43	50	57	64	73	81	88	95	103	108
-47.5°	29	34	39	44	50	56	61	67	72	77	81
-50°	23	26	30	34	38	42	46	50	54	58	60
-52.5°	18	21	23	26	29	32	34	37	40	43	45
-55°	15	17	18	20	22	24	26	28	30	31	33
-57.5°	12	13	15	16	17	18	19	21	22	23	24
-60°	10	11	12	13	13	14	15	16	17	17	18
-62.5°	7	8	9	10	11	11	12	12	13	13	14
-65°	6	6	7	7	8	8	9	9	10	10	10
-67.5°	5	5	5	5	6	6	6	7	7	7	7
-70°	4	4	4	4	5	5	5	5	5	5	5
-72.5°	3	3	3	4	4	4	4	4	4	4	4
-75°	3	3	3	3	3	3	3	3	3	3	3
-77.5°	2	2	3	3	3	3	3	3	3	3	3
-80°	1	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: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-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	6	5	5	5	5	5	5	5
67.5°	7	8	8	8	8	8	7	7	7	7	7
65°	11	11	11	11	11	11	11	10	10	10	9
62.5°	14	14	14	14	14	14	14	14	13	13	12
60°	18	18	19	19	19	18	18	18	17	17	16
57.5°	24	25	25	25	25	25	24	24	23	22	21
55°	34	34	35	35	35	34	34	33	31	30	28
52.5°	46	47	48	48	48	47	46	45	43	40	37
50°	63	64	65	65	65	64	63	60	58	54	50
47.5°	84	87	88	88	88	87	84	81	77	72	67
45°	113	116	118	119	118	116	113	108	103	95	88
42.5°	151	156	158	159	158	156	151	144	136	126	115
40°	198	204	208	210	208	204	198	189	178	164	150
37.5°	255	264	269	271	269	264	255	243	228	210	193
35°	324	336	343	345	343	336	324	309	289	266	243
32.5°	404	419	427	430	427	419	404	384	360	332	302
30°	493	510	520	524	520	510	493	469	439	405	368
27.5°	577	594	605	608	605	594	577	554	524	485	440
25°	653	669	679	682	679	669	653	630	599	561	517
22.5°	721	740	751	755	751	740	721	696	666	630	584
20°	790	812	825	830	825	812	790	762	727	688	644
17.5°	859	884	900	906	900	884	859	827	788	743	695
15°	930	959	978	984	978	959	930	891	846	796	743
12.5°	996	1024	1041	1046	1041	1024	996	954	902	846	788
10°	1047	1076	1093	1099	1093	1076	1047	1007	954	891	827
7.5°	1088	1118	1134	1138	1134	1118	1088	1047	996	930	859
5°	1118	1141	1143	1141	1143	1141	1118	1076	1024	959	884
2.5°	1134	1143	1129	1121	1129	1143	1134	1093	1041	978	900
0°	1138	1141	1121	1120	1121	1141	1138	1099	1046	984	906
-2.5°	1134	1143	1129	1121	1129	1143	1134	1093	1041	978	900
-5°	1118	1141	1143	1141	1143	1141	1118	1076	1024	959	884
-7.5°	1088	1118	1134	1138	1134	1118	1088	1047	996	930	859
-10°	1047	1076	1093	1099	1093	1076	1047	1007	954	891	827
-12.5°	996	1024	1041	1046	1041	1024	996	954	902	846	788
-15°	930	959	978	984	978	959	930	891	846	796	743
-17.5°	859	884	900	906	900	884	859	827	788	743	695
-20°	790	812	825	830	825	812	790	762	727	688	644



REPORT NUMBER: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-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°	721	740	751	755	751	740	721	696	666	630	584
-25°	653	669	679	682	679	669	653	630	599	561	517
-27.5°	577	594	605	608	605	594	577	554	524	485	440
-30°	493	510	520	524	520	510	493	469	439	405	368
-32.5°	404	419	427	430	427	419	404	384	360	332	302
-35°	324	336	343	345	343	336	324	309	289	266	243
-37.5°	255	264	269	271	269	264	255	243	228	210	193
-40°	198	204	208	210	208	204	198	189	178	164	150
-42.5°	151	156	158	159	158	156	151	144	136	126	115
-45°	113	116	118	119	118	116	113	108	103	95	88
-47.5°	84	87	88	88	88	87	84	81	77	72	67
-50°	63	64	65	65	65	64	63	60	58	54	50
-52.5°	46	47	48	48	48	47	46	45	43	40	37
-55°	34	34	35	35	35	34	34	33	31	30	28
-57.5°	24	25	25	25	25	25	24	24	23	22	21
-60°	18	18	19	19	19	18	18	18	17	17	16
-62.5°	14	14	14	14	14	14	14	14	13	13	12
-65°	11	11	11	11	11	11	11	10	10	10	9
-67.5°	7	8	8	8	8	8	7	7	7	7	7
-70°	5	5	5	6	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: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-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	1	0
82.5°	1	1	1	1	1	1	1	1	1	1	1
80°	2	2	2	2	2	2	1	1	1	1	1
77.5°	3	3	3	3	3	2	2	2	2	2	2
75°	3	3	3	3	3	3	3	3	3	3	2
72.5°	4	4	4	4	3	3	3	3	3	3	3
70°	5	5	5	4	4	4	4	4	3	3	3
67.5°	6	6	6	5	5	5	5	4	4	4	4
65°	9	8	8	7	7	6	6	5	5	5	4
62.5°	12	11	11	10	9	8	7	7	6	5	5
60°	15	14	13	13	12	11	10	9	8	7	6
57.5°	19	18	17	16	15	13	12	11	10	9	7
55°	26	24	22	20	18	17	15	14	12	11	9
52.5°	34	32	29	26	23	21	18	17	15	13	12
50°	46	42	38	34	30	26	23	20	18	16	14
47.5°	61	56	50	44	39	34	29	25	22	18	16
45°	81	73	64	57	50	43	37	31	26	22	19
42.5°	105	94	83	73	63	55	46	39	32	27	22
40°	136	120	106	92	80	68	58	48	40	32	26
37.5°	174	154	135	116	99	84	70	59	48	39	31
35°	218	193	168	145	122	103	85	70	58	46	37
32.5°	269	239	207	178	150	125	103	84	68	55	43
30°	329	290	251	214	181	150	122	99	80	63	50
27.5°	395	346	301	256	214	178	145	116	92	73	57
25°	464	408	353	301	251	207	168	135	106	83	64
22.5°	532	471	408	346	290	239	193	154	120	94	73
20°	592	532	464	395	329	269	218	174	136	105	81
17.5°	644	584	517	440	368	302	243	193	150	115	88
15°	688	630	561	485	405	332	266	210	164	126	95
12.5°	727	666	599	524	439	360	289	228	178	136	103
10°	762	696	630	554	469	384	309	243	189	144	108
7.5°	790	721	653	577	493	404	324	255	198	151	113
5°	812	740	669	594	510	419	336	264	204	156	116
2.5°	825	751	679	605	520	427	343	269	208	158	118
0°	830	755	682	608	524	430	345	271	210	159	119
-2.5°	825	751	679	605	520	427	343	269	208	158	118
-5°	812	740	669	594	510	419	336	264	204	156	116
-7.5°	790	721	653	577	493	404	324	255	198	151	113
-10°	762	696	630	554	469	384	309	243	189	144	108
-12.5°	727	666	599	524	439	360	289	228	178	136	103
-15°	688	630	561	485	405	332	266	210	164	126	95
-17.5°	644	584	517	440	368	302	243	193	150	115	88
-20°	592	532	464	395	329	269	218	174	136	105	81



REPORT NUMBER: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-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°	532	471	408	346	290	239	193	154	120	94	73
-25°	464	408	353	301	251	207	168	135	106	83	64
-27.5°	395	346	301	256	214	178	145	116	92	73	57
-30°	329	290	251	214	181	150	122	99	80	63	50
-32.5°	269	239	207	178	150	125	103	84	68	55	43
-35°	218	193	168	145	122	103	85	70	58	46	37
-37.5°	174	154	135	116	99	84	70	59	48	39	31
-40°	136	120	106	92	80	68	58	48	40	32	26
-42.5°	105	94	83	73	63	55	46	39	32	27	22
-45°	81	73	64	57	50	43	37	31	26	22	19
-47.5°	61	56	50	44	39	34	29	25	22	18	16
-50°	46	42	38	34	30	26	23	20	18	16	14
-52.5°	34	32	29	26	23	21	18	17	15	13	12
-55°	26	24	22	20	18	17	15	14	12	11	9
-57.5°	19	18	17	16	15	13	12	11	10	9	7
-60°	15	14	13	13	12	11	10	9	8	7	6
-62.5°	12	11	11	10	9	8	7	7	6	5	5
-65°	9	8	8	7	7	6	6	5	5	5	4
-67.5°	6	6	6	5	5	5	5	4	4	4	4
-70°	5	5	5	4	4	4	4	4	3	3	3
-72.5°	4	4	4	4	3	3	3	3	3	3	3
-75°	3	3	3	3	3	3	3	3	3	3	2
-77.5°	3	3	3	3	3	2	2	2	2	2	2
-80°	2	2	2	2	2	2	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	1	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: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-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	1	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	1
75°	2	2	2	2	1	1	1	1	1	1	1
72.5°	3	3	2	2	2	2	1	1	1	1	1
70°	3	3	3	3	2	2	2	1	1	1	1
67.5°	3	3	3	3	3	3	2	2	2	1	1
65°	4	4	3	3	3	3	3	2	2	1	1
62.5°	5	4	4	3	3	3	3	3	2	2	1
60°	5	5	4	4	4	3	3	3	3	2	2
57.5°	7	6	5	5	4	4	3	3	3	2	2
55°	8	7	6	5	5	4	3	3	3	3	2
52.5°	10	8	7	6	5	4	4	3	3	3	2
50°	12	10	8	7	6	5	4	4	3	3	3
47.5°	14	12	10	8	7	5	5	4	3	3	3
45°	16	14	12	9	7	6	5	4	4	3	3
42.5°	18	16	13	11	9	7	5	5	4	3	3
40°	22	18	15	12	10	8	6	5	4	3	3
37.5°	25	20	17	14	11	9	7	5	4	4	3
35°	29	23	18	15	12	10	7	6	5	4	3
32.5°	34	26	21	17	13	11	8	6	5	4	3
30°	39	30	23	18	15	12	9	7	5	4	3
27.5°	44	34	26	20	16	13	10	7	5	4	4
25°	50	38	29	22	17	13	11	8	6	5	4
22.5°	56	42	32	24	18	14	11	8	6	5	4
20°	61	46	34	26	19	15	12	9	6	5	4
17.5°	67	50	37	28	21	16	12	9	7	5	4
15°	72	54	40	30	22	17	13	10	7	5	4
12.5°	77	58	43	31	23	17	13	10	7	5	4
10°	81	60	45	33	24	18	14	10	7	5	4
7.5°	84	63	46	34	24	18	14	11	7	5	4
5°	87	64	47	34	25	18	14	11	8	5	4
2.5°	88	65	48	35	25	19	14	11	8	5	4
0°	88	65	48	35	25	19	14	11	8	6	4
-2.5°	88	65	48	35	25	19	14	11	8	5	4
-5°	87	64	47	34	25	18	14	11	8	5	4
-7.5°	84	63	46	34	24	18	14	11	7	5	4
-10°	81	60	45	33	24	18	14	10	7	5	4
-12.5°	77	58	43	31	23	17	13	10	7	5	4
-15°	72	54	40	30	22	17	13	10	7	5	4
-17.5°	67	50	37	28	21	16	12	9	7	5	4
-20°	61	46	34	26	19	15	12	9	6	5	4



REPORT NUMBER: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-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°	56	42	32	24	18	14	11	8	6	5	4
-25°	50	38	29	22	17	13	11	8	6	5	4
-27.5°	44	34	26	20	16	13	10	7	5	4	4
-30°	39	30	23	18	15	12	9	7	5	4	3
-32.5°	34	26	21	17	13	11	8	6	5	4	3
-35°	29	23	18	15	12	10	7	6	5	4	3
-37.5°	25	20	17	14	11	9	7	5	4	4	3
-40°	22	18	15	12	10	8	6	5	4	3	3
-42.5°	18	16	13	11	9	7	5	5	4	3	3
-45°	16	14	12	9	7	6	5	4	4	3	3
-47.5°	14	12	10	8	7	5	5	4	3	3	3
-50°	12	10	8	7	6	5	4	4	3	3	3
-52.5°	10	8	7	6	5	4	4	3	3	3	2
-55°	8	7	6	5	5	4	3	3	3	3	2
-57.5°	7	6	5	5	4	4	3	3	3	2	2
-60°	5	5	4	4	4	3	3	3	3	2	2
-62.5°	5	4	4	3	3	3	3	3	2	2	1
-65°	4	4	3	3	3	3	3	2	2	1	1
-67.5°	3	3	3	3	3	3	2	2	2	1	1
-70°	3	3	3	3	2	2	2	1	1	1	1
-72.5°	3	3	2	2	2	2	1	1	1	1	1
-75°	2	2	2	2	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	0	0
-82.5°	1	1	1	1	1	1	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: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-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	1	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	1	0	0	0
57.5°	1	1	1	1	0	0	0
55°	2	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°	3	2	1	1	1	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	2	1	1	0	0
30°	3	3	2	1	1	0	0
27.5°	3	3	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: P220396 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-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	3	2	1	1	0	0
-30°	3	3	2	1	1	0	0
-32.5°	3	2	2	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°	3	2	1	1	1	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°	2	1	1	1	0	0	0
-57.5°	1	1	1	1	0	0	0
-60°	1	1	1	1	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	1	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)