

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: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29419)
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-F-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1128.5 lumens	Max Intensity:	2258.8 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	109.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.5°H x 39.3°V	Field Angle (10%):	65.2°H x 64.7°V
Beam Lumens:	678.8 lumens	Field Lumens:	1022 lumens
Beam Efficiency:	60.1%	Field Efficiency:	90.6%

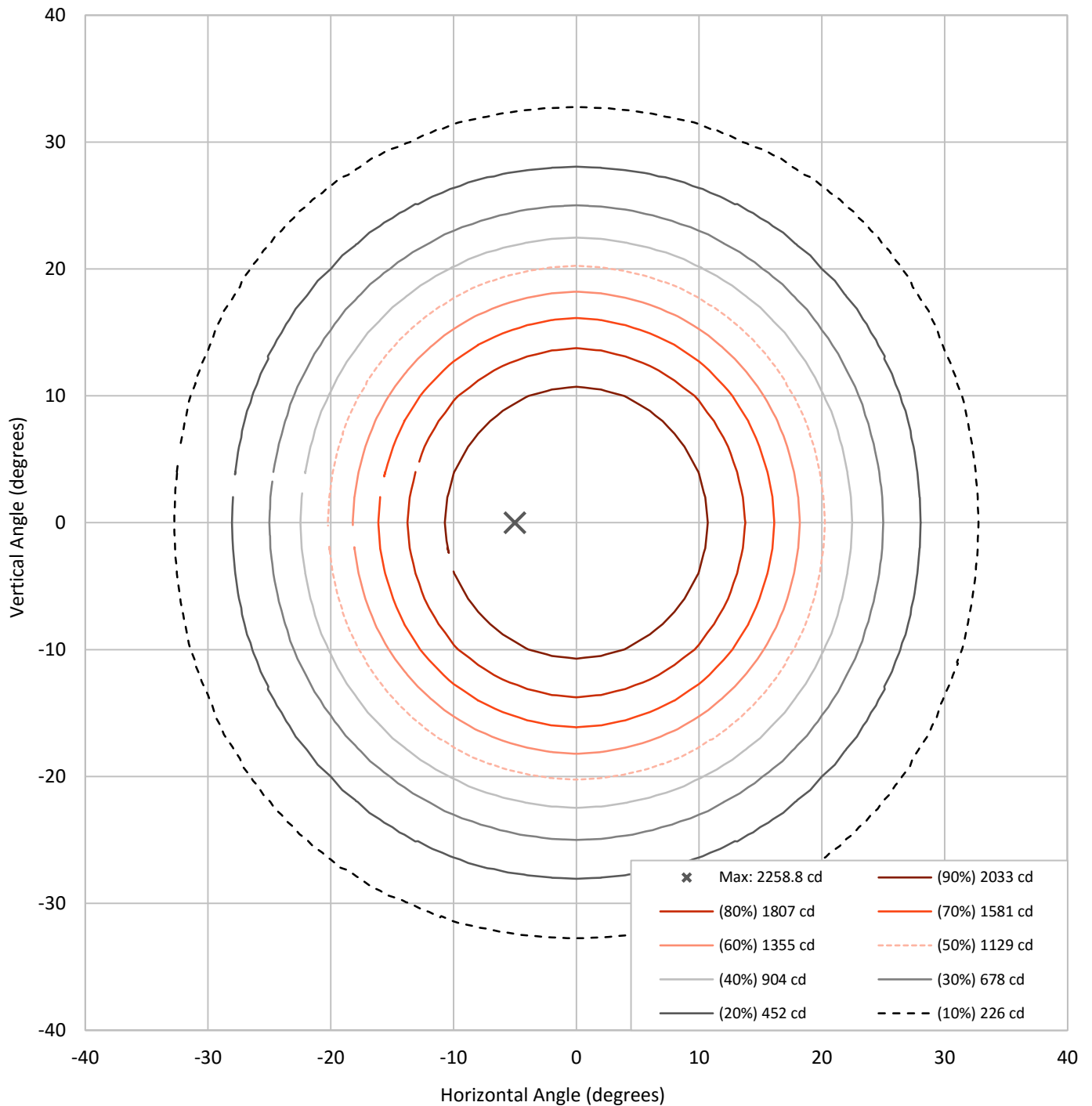
Input Watts (W): 10.3
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

Iso-Candela Plot





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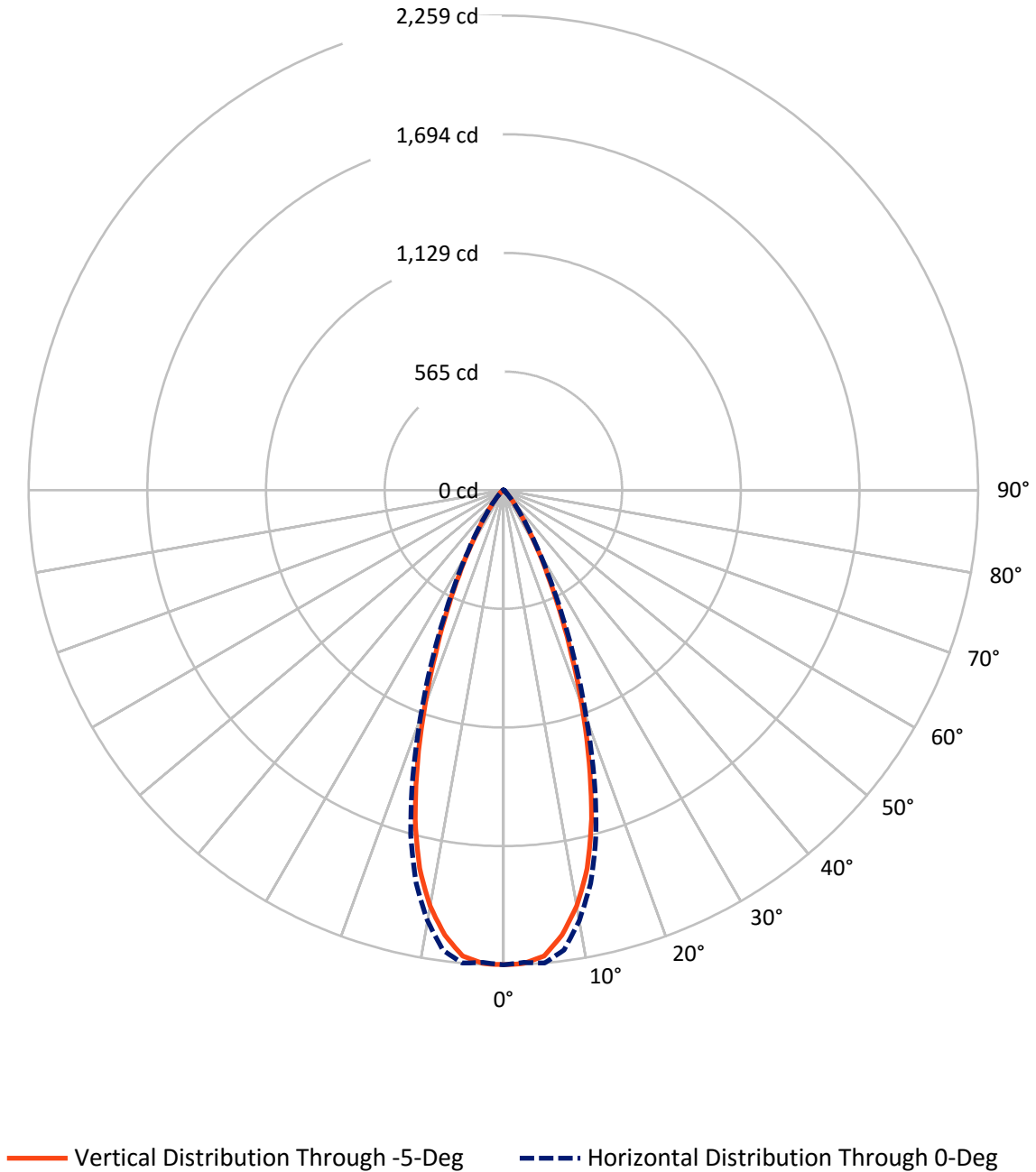
Lumen Table

90																			
80	0.0	0.1		0.1		0.2		0.2		0.2		0.1		0.1		0.0			
70	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0	0.0			
60		0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0				
50	0.0	0.1	0.1	0.1	0.2	0.4	0.7	1.0	1.0	0.7	0.4	0.2	0.1	0.1	0.1	0.0			
40		0.1	0.1	0.2	0.5	1.5	3.3	4.9	4.9	3.3	1.5	0.5	0.2	0.1	0.1				
30	0.1	0.1	0.1	0.3	1.4	4.9	12.3	19.7	19.7	12.3	4.9	1.4	0.3	0.1	0.1	0.1			
20		0.1	0.2	0.6	2.8	11.6	30.5	47.5	47.5	30.5	11.6	2.8	0.6	0.2	0.1				
10	0.1	0.1	0.2	0.7	4.1	18.0	46.1	65.2	65.2	46.1	18.0	4.1	0.7	0.2	0.1	0.1			
0		0.1	0.2	0.7	4.1	18.0	46.1	65.2	65.2	46.1	18.0	4.1	0.7	0.2	0.1				
-10	0.1	0.1	0.2	0.6	2.8	11.6	30.5	47.5	47.5	30.5	11.6	2.8	0.6	0.2	0.1	0.1			
-20		0.1	0.1	0.3	1.4	4.9	12.3	19.7	19.7	12.3	4.9	1.4	0.3	0.1	0.1				
-30	0.0	0.1	0.1	0.2	0.5	1.5	3.3	4.9	4.9	3.3	1.5	0.5	0.2	0.1	0.1	0.0			
-40		0.1	0.1	0.1	0.2	0.4	0.7	1.0	1.0	0.7	0.4	0.2	0.1	0.1	0.1				
-50	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0			
-60		0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1				
-70	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0			
-80		0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0				
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)

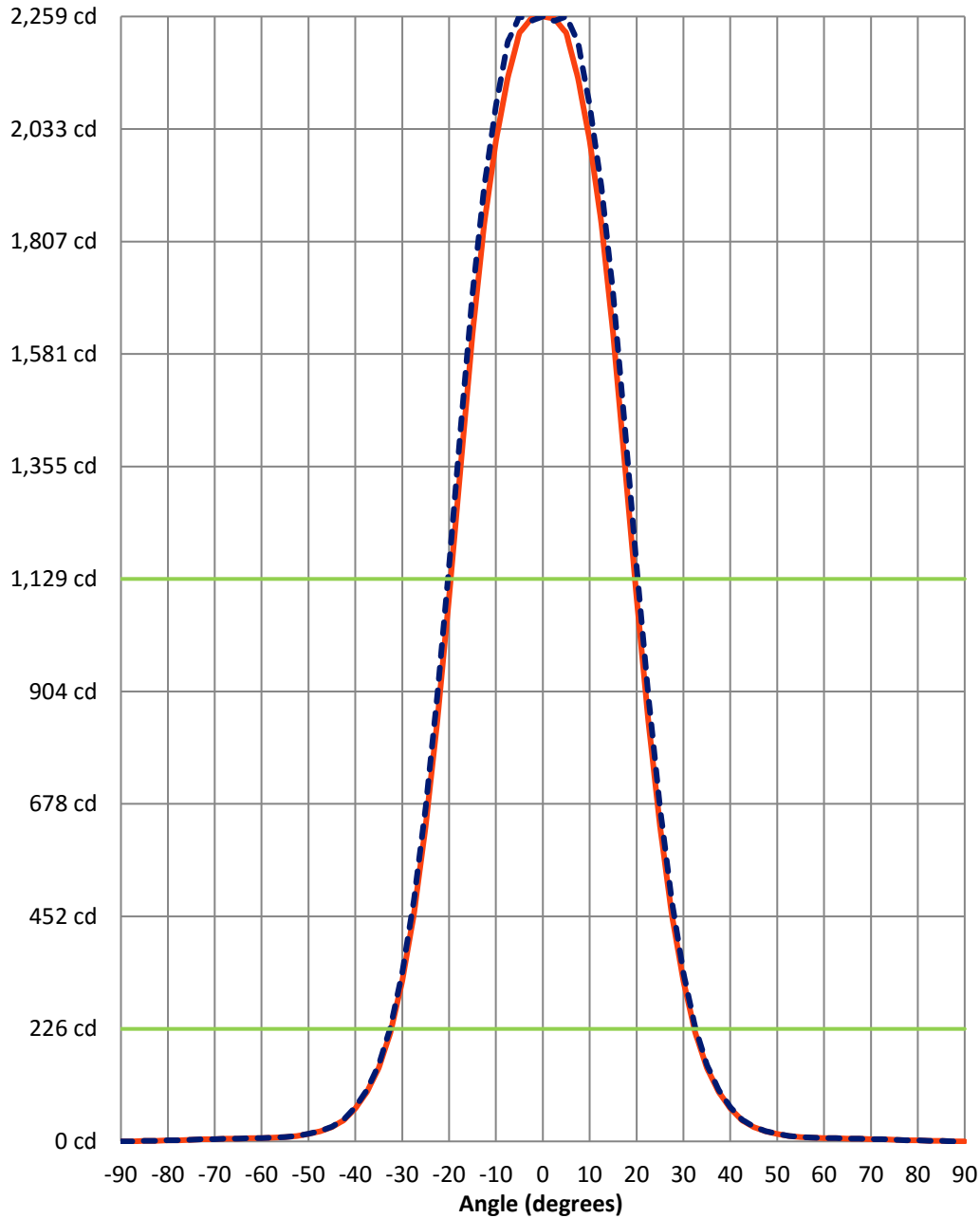
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-F-WT-L1-UNV

Luminous Intensity Polar Plot



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

Luminous Intensity Plot



Beam:
H Angle: 40.5°
V Angle: 39.3°
Lumens: 678.8
Efficiency: 60.1%

Field:
H Angle: 65.2°
V Angle: 64.7°
Lumens: 1022
Efficiency: 90.6%

Spill:
Lumens: 106.5
Efficiency: 9.4%

— Vertical Distribution through -5-Deg
- - Horizontal Distribution through 0-Deg



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-F-WT-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	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	2
60°	0	0	0	1	1	1	1	2	2	2	2
57.5°	0	0	0	1	1	1	1	2	2	2	2
55°	0	0	0	1	1	1	2	2	2	2	3
52.5°	0	0	0	1	1	1	2	2	2	3	3
50°	0	0	0	1	1	1	2	2	2	3	4
47.5°	0	0	0	1	1	1	2	2	3	3	4
45°	0	0	0	1	1	2	2	2	3	4	4
42.5°	0	0	1	1	1	2	2	2	3	4	4
40°	0	0	1	1	1	2	2	3	3	4	4
37.5°	0	0	1	1	1	2	2	3	4	4	4
35°	0	0	1	1	1	2	2	3	4	4	5
32.5°	0	0	1	1	2	2	2	3	4	4	5
30°	0	0	1	1	2	2	2	3	4	4	5
27.5°	0	0	1	1	2	2	3	4	4	4	5
25°	0	0	1	1	2	2	3	4	4	5	6
22.5°	0	0	1	1	2	2	3	4	4	5	6
20°	0	0	1	1	2	2	3	4	4	5	6
17.5°	0	0	1	1	2	2	3	4	4	5	6
15°	0	0	1	1	2	2	3	4	4	5	6
12.5°	0	0	1	1	2	2	3	4	4	5	6
10°	0	0	1	1	2	2	3	4	4	5	6
7.5°	0	0	1	1	2	2	3	4	4	5	6
5°	0	0	1	1	2	2	3	4	4	5	6
2.5°	0	0	1	1	2	2	3	4	4	5	6
0°	0	0	1	1	2	2	3	4	4	6	6
-2.5°	0	0	1	1	2	2	3	4	4	5	6
-5°	0	0	1	1	2	2	3	4	4	5	6
-7.5°	0	0	1	1	2	2	3	4	4	5	6
-10°	0	0	1	1	2	2	3	4	4	5	6
-12.5°	0	0	1	1	2	2	3	4	4	5	6
-15°	0	0	1	1	2	2	3	4	4	5	6
-17.5°	0	0	1	1	2	2	3	4	4	5	6
-20°	0	0	1	1	2	2	3	4	4	5	6



REPORT NUMBER: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-F-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	2	3	4	4	5	6
-25°	0	0	1	1	2	2	3	4	4	5	6
-27.5°	0	0	1	1	2	2	3	4	4	4	5
-30°	0	0	1	1	2	2	2	3	4	4	5
-32.5°	0	0	1	1	2	2	2	3	4	4	5
-35°	0	0	1	1	1	2	2	3	4	4	5
-37.5°	0	0	1	1	1	2	2	3	4	4	4
-40°	0	0	1	1	1	2	2	3	3	4	4
-42.5°	0	0	1	1	1	2	2	2	3	4	4
-45°	0	0	0	1	1	2	2	2	3	4	4
-47.5°	0	0	0	1	1	1	2	2	3	3	4
-50°	0	0	0	1	1	1	2	2	2	3	4
-52.5°	0	0	0	1	1	1	2	2	2	3	3
-55°	0	0	0	1	1	1	2	2	2	2	3
-57.5°	0	0	0	1	1	1	1	2	2	2	2
-60°	0	0	0	1	1	1	1	2	2	2	2
-62.5°	0	0	0	0	1	1	1	1	2	2	2
-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: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-F-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	2	2	2
72.5°	1	2	2	2	2	2	2	2	2	3	3
70°	2	2	2	2	2	2	3	3	3	3	4
67.5°	2	2	2	2	3	3	3	4	4	4	4
65°	2	2	2	3	3	4	4	4	4	4	4
62.5°	2	3	3	3	4	4	4	4	4	5	5
60°	3	3	4	4	4	4	4	5	5	6	6
57.5°	3	4	4	4	4	4	5	5	6	6	6
55°	3	4	4	4	5	5	6	6	6	6	6
52.5°	4	4	4	5	5	6	6	6	6	7	7
50°	4	4	4	5	6	6	6	6	7	7	7
47.5°	4	4	5	6	6	6	6	7	7	7	8
45°	4	5	5	6	6	6	7	7	7	8	8
42.5°	4	5	6	6	6	7	7	7	8	8	9
40°	5	6	6	6	7	7	7	8	8	10	11
37.5°	5	6	6	6	7	7	8	8	9	11	14
35°	5	6	6	7	7	7	8	9	11	13	16
32.5°	6	6	6	7	7	8	9	10	13	16	20
30°	6	6	7	7	7	8	9	11	15	19	24
27.5°	6	6	7	7	8	9	10	13	17	22	29
25°	6	6	7	7	8	9	11	15	19	26	35
22.5°	6	7	7	7	8	10	13	17	22	30	42
20°	6	7	7	8	9	11	14	19	25	35	51
17.5°	6	7	7	8	9	11	16	20	28	40	60
15°	6	7	7	8	10	12	17	23	32	46	69
12.5°	6	7	7	8	10	13	18	25	35	53	79
10°	6	7	7	8	10	14	19	26	38	58	88
7.5°	6	7	7	9	11	15	20	28	41	63	95
5°	7	7	8	9	11	15	20	29	42	66	100
2.5°	7	7	8	9	11	15	21	29	43	68	103
0°	7	7	8	9	11	15	21	30	44	69	104
-2.5°	7	7	8	9	11	15	21	29	43	68	103
-5°	7	7	8	9	11	15	20	29	42	66	100
-7.5°	6	7	7	9	11	15	20	28	41	63	95
-10°	6	7	7	8	10	14	19	26	38	58	88
-12.5°	6	7	7	8	10	13	18	25	35	53	79
-15°	6	7	7	8	10	12	17	23	32	46	69
-17.5°	6	7	7	8	9	11	16	20	28	40	60
-20°	6	7	7	8	9	11	14	19	25	35	51



REPORT NUMBER: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-F-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°	6	7	7	7	8	10	13	17	22	30	42
-25°	6	6	7	7	8	9	11	15	19	26	35
-27.5°	6	6	7	7	8	9	10	13	17	22	29
-30°	6	6	7	7	7	8	9	11	15	19	24
-32.5°	6	6	6	7	7	8	9	10	13	16	20
-35°	5	6	6	7	7	7	8	9	11	13	16
-37.5°	5	6	6	6	7	7	8	8	9	11	14
-40°	5	6	6	6	7	7	7	8	8	10	11
-42.5°	4	5	6	6	6	7	7	7	8	8	9
-45°	4	5	5	6	6	6	7	7	7	8	8
-47.5°	4	4	5	6	6	6	6	7	7	7	8
-50°	4	4	4	5	6	6	6	6	7	7	7
-52.5°	4	4	4	5	5	6	6	6	6	7	7
-55°	3	4	4	4	5	5	6	6	6	6	6
-57.5°	3	4	4	4	4	4	5	5	6	6	6
-60°	3	3	4	4	4	4	4	5	5	6	6
-62.5°	2	3	3	3	4	4	4	4	4	5	5
-65°	2	2	2	3	3	4	4	4	4	4	4
-67.5°	2	2	2	2	3	3	3	4	4	4	4
-70°	2	2	2	2	2	2	3	3	3	3	4
-72.5°	1	2	2	2	2	2	2	2	2	3	3
-75°	1	1	1	2	2	2	2	2	2	2	2
-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: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-F-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	2	2	2	2	2	2	2	2	2
75°	2	2	2	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	4	4	4	4	4	4	4
67.5°	4	4	4	4	5	5	5	5	5	5	5
65°	5	5	5	5	6	6	6	6	6	6	6
62.5°	5	6	6	6	6	6	6	6	6	6	6
60°	6	6	6	6	6	7	7	7	7	7	7
57.5°	6	6	7	7	7	7	7	7	7	7	7
55°	7	7	7	7	7	7	8	8	8	8	8
52.5°	7	7	7	8	8	8	9	9	10	10	10
50°	7	8	8	9	9	10	11	11	12	13	14
47.5°	8	9	9	10	11	13	14	16	17	18	19
45°	9	10	11	13	15	17	19	20	23	25	26
42.5°	11	13	15	17	19	22	25	28	32	35	38
40°	13	16	19	22	26	30	35	40	46	53	58
37.5°	16	20	24	29	35	42	51	60	69	79	88
35°	20	25	31	39	48	61	73	88	101	116	129
32.5°	25	31	40	53	67	85	103	125	145	167	189
30°	31	40	55	71	93	117	143	175	207	239	274
27.5°	39	53	71	95	124	155	198	241	293	338	385
25°	48	67	93	124	161	210	268	330	398	466	532
22.5°	61	85	117	155	210	277	352	438	530	624	712
20°	73	103	143	198	268	352	452	566	686	806	919
17.5°	88	125	175	241	330	438	566	708	858	1009	1147
15°	101	145	207	293	398	530	686	858	1040	1219	1382
12.5°	116	167	239	338	466	624	806	1009	1219	1422	1605
10°	129	189	274	385	532	712	919	1147	1382	1605	1787
7.5°	140	206	302	426	588	787	1017	1269	1521	1745	1918
5°	148	219	322	456	633	845	1093	1358	1621	1843	2009
2.5°	152	227	334	477	661	883	1139	1415	1681	1899	2062
0°	154	229	338	484	670	896	1155	1435	1702	1917	2080
-2.5°	152	227	334	477	661	883	1139	1415	1681	1899	2062
-5°	148	219	322	456	633	845	1093	1358	1621	1843	2009
-7.5°	140	206	302	426	588	787	1017	1269	1521	1745	1918
-10°	129	189	274	385	532	712	919	1147	1382	1605	1787
-12.5°	116	167	239	338	466	624	806	1009	1219	1422	1605
-15°	101	145	207	293	398	530	686	858	1040	1219	1382
-17.5°	88	125	175	241	330	438	566	708	858	1009	1147
-20°	73	103	143	198	268	352	452	566	686	806	919



REPORT NUMBER: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	61	85	117	155	210	277	352	438	530	624	712
-25°	48	67	93	124	161	210	268	330	398	466	532
-27.5°	39	53	71	95	124	155	198	241	293	338	385
-30°	31	40	55	71	93	117	143	175	207	239	274
-32.5°	25	31	40	53	67	85	103	125	145	167	189
-35°	20	25	31	39	48	61	73	88	101	116	129
-37.5°	16	20	24	29	35	42	51	60	69	79	88
-40°	13	16	19	22	26	30	35	40	46	53	58
-42.5°	11	13	15	17	19	22	25	28	32	35	38
-45°	9	10	11	13	15	17	19	20	23	25	26
-47.5°	8	9	9	10	11	13	14	16	17	18	19
-50°	7	8	8	9	9	10	11	11	12	13	14
-52.5°	7	7	7	8	8	8	9	9	10	10	10
-55°	7	7	7	7	7	7	8	8	8	8	8
-57.5°	6	6	7	7	7	7	7	7	7	7	7
-60°	6	6	6	6	6	7	7	7	7	7	7
-62.5°	5	6	6	6	6	6	6	6	6	6	6
-65°	5	5	5	5	6	6	6	6	6	6	6
-67.5°	4	4	4	4	5	5	5	5	5	5	5
-70°	4	4	4	4	4	4	4	4	4	4	4
-72.5°	3	3	3	4	4	4	4	4	4	4	4
-75°	2	2	2	3	3	3	3	3	3	3	3
-77.5°	2	2	2	2	2	2	2	2	2	2	2
-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: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-F-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	2	2	2	2	2	2	2	2
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°	4	4	4	4	4	4	4	4	4	4	4
67.5°	5	5	5	6	5	5	5	5	5	5	5
65°	6	6	6	6	6	6	6	6	6	6	6
62.5°	6	7	7	7	7	7	6	6	6	6	6
60°	7	7	7	7	7	7	7	7	7	7	7
57.5°	7	8	8	8	8	8	7	7	7	7	7
55°	9	9	9	9	9	9	9	8	8	8	8
52.5°	11	11	11	11	11	11	11	10	10	10	9
50°	15	15	15	15	15	15	15	14	13	12	11
47.5°	20	20	21	21	21	20	20	19	18	17	16
45°	28	29	29	30	29	29	28	26	25	23	20
42.5°	41	42	43	44	43	42	41	38	35	32	28
40°	63	66	68	69	68	66	63	58	53	46	40
37.5°	95	100	103	104	103	100	95	88	79	69	60
35°	140	148	152	154	152	148	140	129	116	101	88
32.5°	206	219	227	229	227	219	206	189	167	145	125
30°	302	322	334	338	334	322	302	274	239	207	175
27.5°	426	456	477	484	477	456	426	385	338	293	241
25°	588	633	661	670	661	633	588	532	466	398	330
22.5°	787	845	883	896	883	845	787	712	624	530	438
20°	1017	1093	1139	1155	1139	1093	1017	919	806	686	566
17.5°	1269	1358	1415	1435	1415	1358	1269	1147	1009	858	708
15°	1521	1621	1681	1702	1681	1621	1521	1382	1219	1040	858
12.5°	1745	1843	1899	1917	1899	1843	1745	1605	1422	1219	1009
10°	1918	2009	2062	2080	2062	2009	1918	1787	1605	1382	1147
7.5°	2045	2135	2190	2207	2190	2135	2045	1918	1745	1521	1269
5°	2135	2225	2254	2259	2254	2225	2135	2009	1843	1621	1358
2.5°	2190	2254	2256	2250	2256	2254	2190	2062	1899	1681	1415
0°	2207	2259	2250	2259	2250	2259	2207	2080	1917	1702	1435
-2.5°	2190	2254	2256	2250	2256	2254	2190	2062	1899	1681	1415
-5°	2135	2225	2254	2259	2254	2225	2135	2009	1843	1621	1358
-7.5°	2045	2135	2190	2207	2190	2135	2045	1918	1745	1521	1269
-10°	1918	2009	2062	2080	2062	2009	1918	1787	1605	1382	1147
-12.5°	1745	1843	1899	1917	1899	1843	1745	1605	1422	1219	1009
-15°	1521	1621	1681	1702	1681	1621	1521	1382	1219	1040	858
-17.5°	1269	1358	1415	1435	1415	1358	1269	1147	1009	858	708
-20°	1017	1093	1139	1155	1139	1093	1017	919	806	686	566



REPORT NUMBER: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-F-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°	787	845	883	896	883	845	787	712	624	530	438
-25°	588	633	661	670	661	633	588	532	466	398	330
-27.5°	426	456	477	484	477	456	426	385	338	293	241
-30°	302	322	334	338	334	322	302	274	239	207	175
-32.5°	206	219	227	229	227	219	206	189	167	145	125
-35°	140	148	152	154	152	148	140	129	116	101	88
-37.5°	95	100	103	104	103	100	95	88	79	69	60
-40°	63	66	68	69	68	66	63	58	53	46	40
-42.5°	41	42	43	44	43	42	41	38	35	32	28
-45°	28	29	29	30	29	29	28	26	25	23	20
-47.5°	20	20	21	21	21	20	20	19	18	17	16
-50°	15	15	15	15	15	15	15	14	13	12	11
-52.5°	11	11	11	11	11	11	11	10	10	10	9
-55°	9	9	9	9	9	9	9	8	8	8	8
-57.5°	7	8	8	8	8	8	7	7	7	7	7
-60°	7	7	7	7	7	7	7	7	7	7	7
-62.5°	6	7	7	7	7	7	6	6	6	6	6
-65°	6	6	6	6	6	6	6	6	6	6	6
-67.5°	5	5	5	6	5	5	5	5	5	5	5
-70°	4	4	4	4	4	4	4	4	4	4	4
-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°	2	2	2	2	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: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-F-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°	2	2	2	2	2	2	2	2	2	2	2
75°	3	3	3	3	2	2	2	2	2	2	2
72.5°	4	4	4	4	3	3	3	3	3	2	2
70°	4	4	4	4	4	4	4	4	3	3	3
67.5°	5	5	5	4	4	4	4	4	4	4	4
65°	6	6	6	5	5	5	5	4	4	4	4
62.5°	6	6	6	6	6	6	5	5	5	4	4
60°	7	7	6	6	6	6	6	6	6	5	5
57.5°	7	7	7	7	7	6	6	6	6	6	5
55°	8	7	7	7	7	7	7	6	6	6	6
52.5°	9	8	8	8	7	7	7	7	7	6	6
50°	11	10	9	9	8	8	7	7	7	7	6
47.5°	14	13	11	10	9	9	8	8	7	7	7
45°	19	17	15	13	11	10	9	8	8	7	7
42.5°	25	22	19	17	15	13	11	9	8	8	7
40°	35	30	26	22	19	16	13	11	10	8	8
37.5°	51	42	35	29	24	20	16	14	11	9	8
35°	73	61	48	39	31	25	20	16	13	11	9
32.5°	103	85	67	53	40	31	25	20	16	13	10
30°	143	117	93	71	55	40	31	24	19	15	11
27.5°	198	155	124	95	71	53	39	29	22	17	13
25°	268	210	161	124	93	67	48	35	26	19	15
22.5°	352	277	210	155	117	85	61	42	30	22	17
20°	452	352	268	198	143	103	73	51	35	25	19
17.5°	566	438	330	241	175	125	88	60	40	28	20
15°	686	530	398	293	207	145	101	69	46	32	23
12.5°	806	624	466	338	239	167	116	79	53	35	25
10°	919	712	532	385	274	189	129	88	58	38	26
7.5°	1017	787	588	426	302	206	140	95	63	41	28
5°	1093	845	633	456	322	219	148	100	66	42	29
2.5°	1139	883	661	477	334	227	152	103	68	43	29
0°	1155	896	670	484	338	229	154	104	69	44	30
-2.5°	1139	883	661	477	334	227	152	103	68	43	29
-5°	1093	845	633	456	322	219	148	100	66	42	29
-7.5°	1017	787	588	426	302	206	140	95	63	41	28
-10°	919	712	532	385	274	189	129	88	58	38	26
-12.5°	806	624	466	338	239	167	116	79	53	35	25
-15°	686	530	398	293	207	145	101	69	46	32	23
-17.5°	566	438	330	241	175	125	88	60	40	28	20
-20°	452	352	268	198	143	103	73	51	35	25	19



REPORT NUMBER: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	352	277	210	155	117	85	61	42	30	22	17
-25°	268	210	161	124	93	67	48	35	26	19	15
-27.5°	198	155	124	95	71	53	39	29	22	17	13
-30°	143	117	93	71	55	40	31	24	19	15	11
-32.5°	103	85	67	53	40	31	25	20	16	13	10
-35°	73	61	48	39	31	25	20	16	13	11	9
-37.5°	51	42	35	29	24	20	16	14	11	9	8
-40°	35	30	26	22	19	16	13	11	10	8	8
-42.5°	25	22	19	17	15	13	11	9	8	8	7
-45°	19	17	15	13	11	10	9	8	8	7	7
-47.5°	14	13	11	10	9	9	8	8	7	7	7
-50°	11	10	9	9	8	8	7	7	7	7	6
-52.5°	9	8	8	8	7	7	7	7	7	6	6
-55°	8	7	7	7	7	7	7	6	6	6	6
-57.5°	7	7	7	7	7	6	6	6	6	6	5
-60°	7	7	6	6	6	6	6	6	6	5	5
-62.5°	6	6	6	6	6	6	5	5	5	4	4
-65°	6	6	6	5	5	5	5	4	4	4	4
-67.5°	5	5	5	4	4	4	4	4	4	4	4
-70°	4	4	4	4	4	4	4	4	3	3	3
-72.5°	4	4	4	4	3	3	3	3	3	2	2
-75°	3	3	3	3	2	2	2	2	2	2	2
-77.5°	2	2	2	2	2	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: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-F-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°	2	2	2	2	2	2	1	1	1	1	1
70°	3	2	2	2	2	2	2	1	1	1	1
67.5°	3	3	3	2	2	2	2	2	2	1	1
65°	4	4	3	3	2	2	2	2	2	1	1
62.5°	4	4	4	3	3	3	2	2	2	2	1
60°	4	4	4	4	4	3	3	2	2	2	2
57.5°	5	4	4	4	4	4	3	2	2	2	2
55°	6	5	5	4	4	4	3	3	2	2	2
52.5°	6	6	5	5	4	4	4	3	3	2	2
50°	6	6	6	5	4	4	4	4	3	2	2
47.5°	6	6	6	6	5	4	4	4	3	3	2
45°	7	6	6	6	5	5	4	4	4	3	2
42.5°	7	7	6	6	6	5	4	4	4	3	2
40°	7	7	7	6	6	6	5	4	4	3	3
37.5°	8	7	7	6	6	6	5	4	4	4	3
35°	8	7	7	7	6	6	5	5	4	4	3
32.5°	9	8	7	7	6	6	6	5	4	4	3
30°	9	8	7	7	7	6	6	5	4	4	3
27.5°	10	9	8	7	7	6	6	5	4	4	4
25°	11	9	8	7	7	6	6	6	5	4	4
22.5°	13	10	8	7	7	7	6	6	5	4	4
20°	14	11	9	8	7	7	6	6	5	4	4
17.5°	16	11	9	8	7	7	6	6	5	4	4
15°	17	12	10	8	7	7	6	6	5	4	4
12.5°	18	13	10	8	7	7	6	6	5	4	4
10°	19	14	10	8	7	7	6	6	5	4	4
7.5°	20	15	11	9	7	7	6	6	5	4	4
5°	20	15	11	9	8	7	7	6	5	4	4
2.5°	21	15	11	9	8	7	7	6	5	4	4
0°	21	15	11	9	8	7	7	6	5	4	4
-2.5°	21	15	11	9	8	7	7	6	5	4	4
-5°	20	15	11	9	8	7	7	6	5	4	4
-7.5°	20	15	11	9	7	7	6	6	5	4	4
-10°	19	14	10	8	7	7	6	6	5	4	4
-12.5°	18	13	10	8	7	7	6	6	5	4	4
-15°	17	12	10	8	7	7	6	6	5	4	4
-17.5°	16	11	9	8	7	7	6	6	5	4	4
-20°	14	11	9	8	7	7	6	6	5	4	4



REPORT NUMBER: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-F-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°	13	10	8	7	7	7	6	6	5	4	4
-25°	11	9	8	7	7	6	6	6	5	4	4
-27.5°	10	9	8	7	7	6	6	5	4	4	4
-30°	9	8	7	7	7	6	6	5	4	4	3
-32.5°	9	8	7	7	6	6	6	5	4	4	3
-35°	8	7	7	7	6	6	5	5	4	4	3
-37.5°	8	7	7	6	6	6	5	4	4	4	3
-40°	7	7	7	6	6	6	5	4	4	3	3
-42.5°	7	7	6	6	6	5	4	4	4	3	2
-45°	7	6	6	6	5	5	4	4	4	3	2
-47.5°	6	6	6	6	5	4	4	4	3	3	2
-50°	6	6	6	5	4	4	4	4	3	2	2
-52.5°	6	6	5	5	4	4	4	3	3	2	2
-55°	6	5	5	4	4	4	3	3	2	2	2
-57.5°	5	4	4	4	4	4	3	2	2	2	2
-60°	4	4	4	4	4	3	3	2	2	2	2
-62.5°	4	4	4	3	3	3	2	2	2	2	1
-65°	4	4	3	3	2	2	2	2	2	1	1
-67.5°	3	3	3	2	2	2	2	2	2	1	1
-70°	3	2	2	2	2	2	2	1	1	1	1
-72.5°	2	2	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: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-F-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°	2	2	1	1	1	0	0
40°	2	2	1	1	1	0	0
37.5°	2	2	1	1	1	0	0
35°	2	2	1	1	1	0	0
32.5°	2	2	2	1	1	0	0
30°	2	2	2	1	1	0	0
27.5°	3	2	2	1	1	0	0
25°	3	2	2	1	1	0	0
22.5°	3	2	2	1	1	0	0
20°	3	2	2	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	2	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	2	1	1	0	0



REPORT NUMBER: P220388 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	3	2	2	1	1	0	0
-25°	3	2	2	1	1	0	0
-27.5°	3	2	2	1	1	0	0
-30°	2	2	2	1	1	0	0
-32.5°	2	2	2	1	1	0	0
-35°	2	2	1	1	1	0	0
-37.5°	2	2	1	1	1	0	0
-40°	2	2	1	1	1	0	0
-42.5°	2	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)