

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: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29417)
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-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	517.8 lumens	Max Intensity:	6535.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	51.8 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	14.3°H x 14.3°V	Field Angle (10%):	25.1°H x 25.1°V
Beam Lumens:	207 lumens	Field Lumens:	389.2 lumens
Beam Efficiency:	40.0%	Field Efficiency:	75.2%

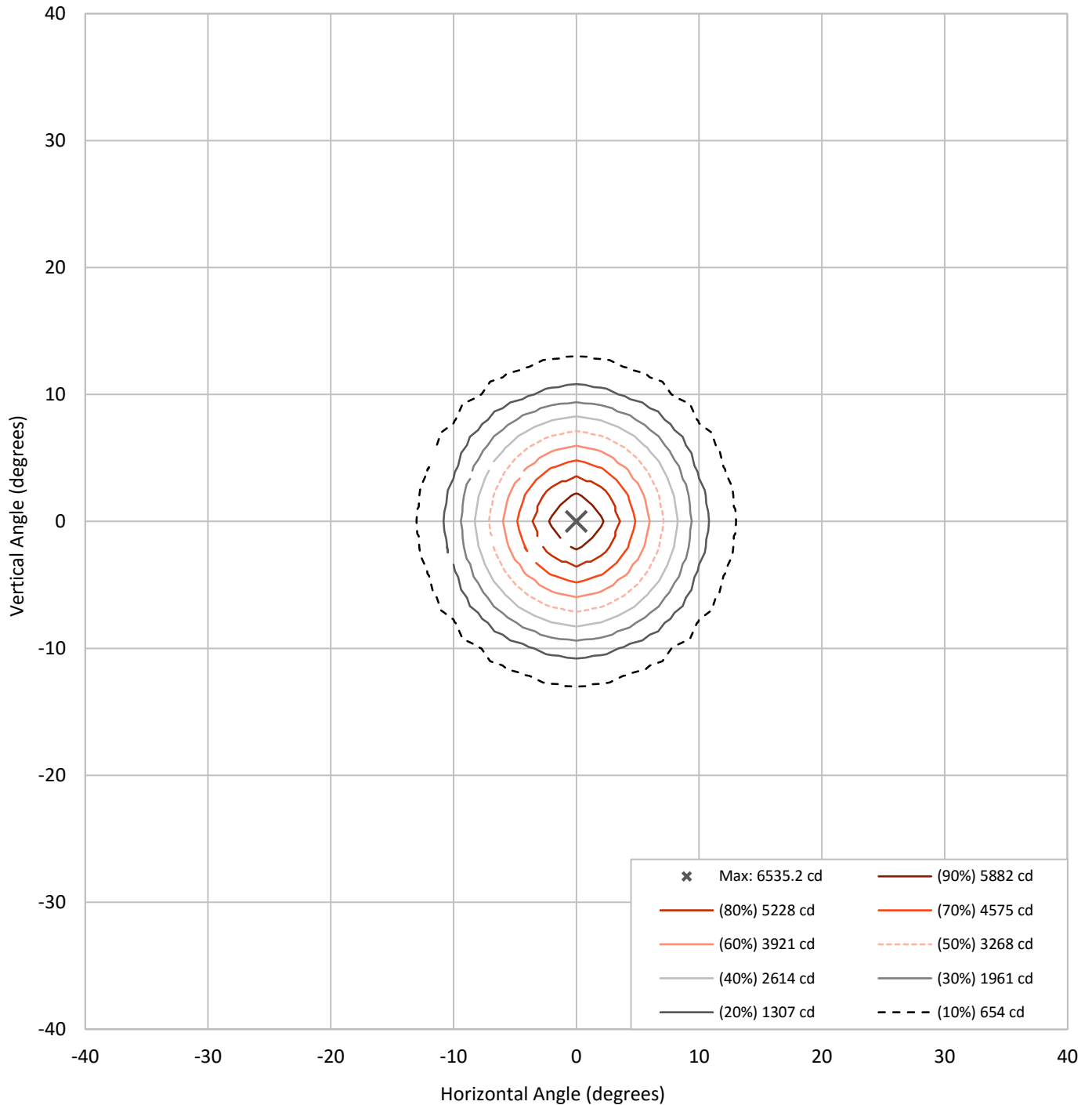
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Iso-Candela Plot





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

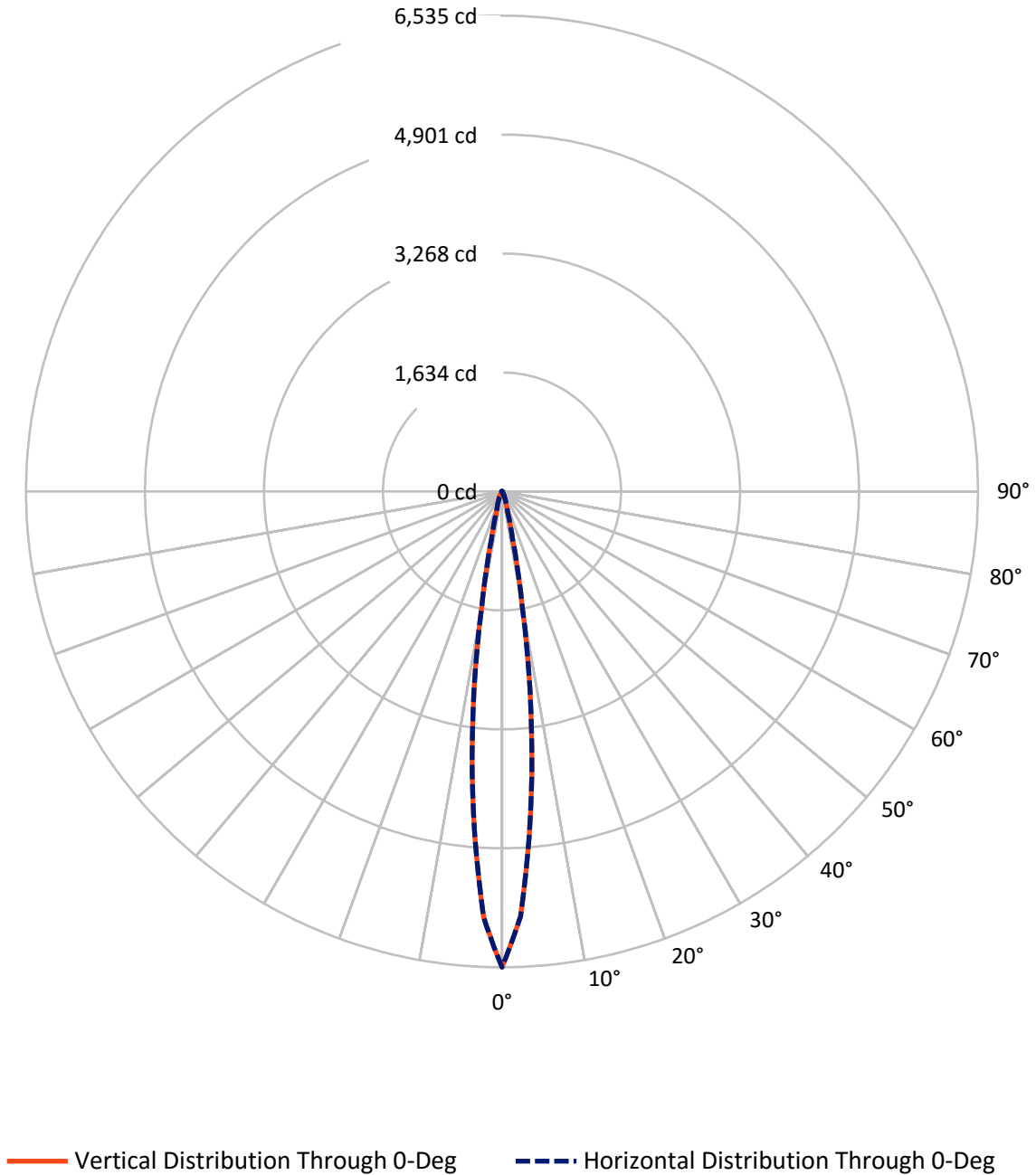
Lumen Table

90	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0			
80	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0			
70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	
60		0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0		
50	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	
40		0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1		0.0
30	0.0	0.0	0.1	0.1	0.2	0.4	1.2	2.2	2.2	1.2	0.4	0.2	0.1	0.1	0.0	0.0
20		0.1	0.1	0.1	0.3	1.1	4.2	11.7	11.7	4.2	1.1	0.3	0.1	0.1	0.1	
10	0.0	0.1	0.1	0.2	0.4	2.0	11.5	89.8	89.8	11.5	2.0	0.4	0.2	0.1	0.1	0.0
0		0.1	0.1	0.2	0.4	2.0	11.5	89.8	89.8	11.5	2.0	0.4	0.2	0.1	0.1	
-10	0.0	0.1	0.1	0.1	0.3	1.1	4.2	11.7	11.7	4.2	1.1	0.3	0.1	0.1	0.1	0.0
-20		0.0	0.1	0.1	0.2	0.4	1.2	2.2	2.2	1.2	0.4	0.2	0.1	0.1	0.0	
-30	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.0	0.0
-40		0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	
-50	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
-60		0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	
-70	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
-80		0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	
-90	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0			

REPORT NUMBER: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)

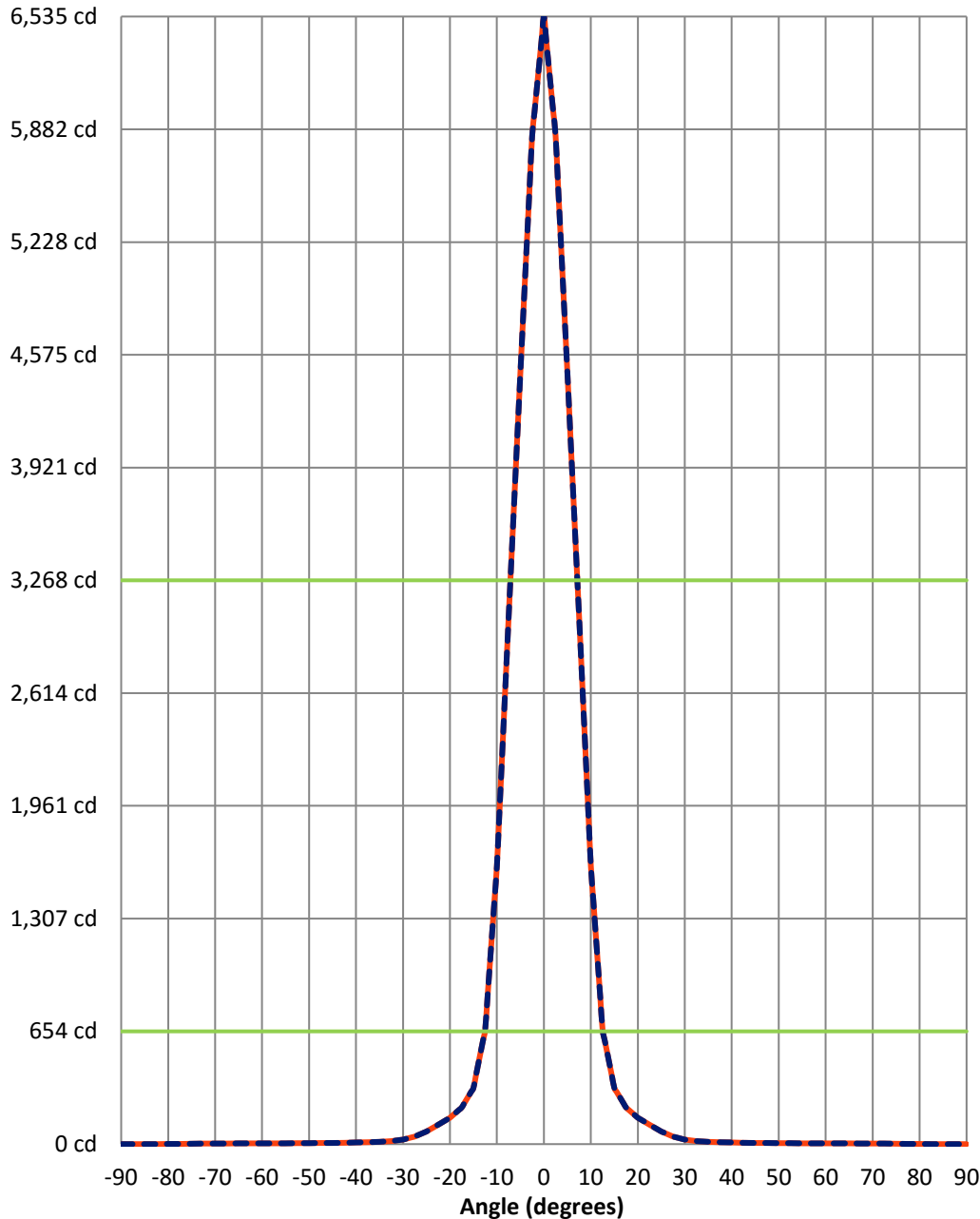
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-S-WT-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-S-WT-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 14.3°
 V Angle: 14.3°
 Lumens: 207
 Efficiency: 40.0%

Field:
 H Angle: 25.1°
 V Angle: 25.1°
 Lumens: 389.2
 Efficiency: 75.2%

Spill:
 Lumens: 128.7
 Efficiency: 24.8%

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



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-S-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	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	1
65°	0	0	0	0	0	0	0	0	0	1	1
62.5°	0	0	0	0	0	0	0	0	1	1	1
60°	0	0	0	0	0	0	0	1	1	1	1
57.5°	0	0	0	0	0	0	0	1	1	1	1
55°	0	0	0	0	0	0	0	1	1	1	2
52.5°	0	0	0	0	0	0	1	1	1	2	2
50°	0	0	0	0	0	0	1	1	1	2	3
47.5°	0	0	0	0	0	0	1	1	1	2	3
45°	0	0	0	0	0	1	1	1	2	3	3
42.5°	0	0	0	0	0	1	1	1	2	3	3
40°	0	0	0	0	0	1	1	1	2	3	3
37.5°	0	0	0	0	0	1	1	2	3	3	3
35°	0	0	0	0	0	1	1	2	3	3	3
32.5°	0	0	0	0	0	1	1	2	3	3	3
30°	0	0	0	0	1	1	1	2	3	3	3
27.5°	0	0	0	0	1	1	1	2	3	3	3
25°	0	0	0	0	1	1	2	3	3	3	3
22.5°	0	0	0	0	1	1	2	3	3	3	4
20°	0	0	0	0	1	1	2	3	3	3	4
17.5°	0	0	0	0	1	1	2	3	3	3	4
15°	0	0	0	0	1	1	2	3	3	3	4
12.5°	0	0	0	0	1	1	2	3	3	3	4
10°	0	0	0	0	1	1	2	3	3	3	4
7.5°	0	0	0	0	1	1	2	3	3	3	4
5°	0	0	0	0	1	1	2	3	3	3	4
2.5°	0	0	0	0	1	1	2	3	3	3	4
0°	0	0	0	0	1	1	2	3	3	3	4
-2.5°	0	0	0	0	1	1	2	3	3	3	4
-5°	0	0	0	0	1	1	2	3	3	3	4
-7.5°	0	0	0	0	1	1	2	3	3	3	4
-10°	0	0	0	0	1	1	2	3	3	3	4
-12.5°	0	0	0	0	1	1	2	3	3	3	4
-15°	0	0	0	0	1	1	2	3	3	3	4
-17.5°	0	0	0	0	1	1	2	3	3	3	4
-20°	0	0	0	0	1	1	2	3	3	3	4



REPORT NUMBER: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-S-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	0	0	1	1	2	3	3	3	4
-25°	0	0	0	0	1	1	2	3	3	3	3
-27.5°	0	0	0	0	1	1	1	2	3	3	3
-30°	0	0	0	0	1	1	1	2	3	3	3
-32.5°	0	0	0	0	0	1	1	2	3	3	3
-35°	0	0	0	0	0	1	1	2	3	3	3
-37.5°	0	0	0	0	0	1	1	2	3	3	3
-40°	0	0	0	0	0	1	1	1	2	3	3
-42.5°	0	0	0	0	0	1	1	1	2	3	3
-45°	0	0	0	0	0	1	1	1	2	3	3
-47.5°	0	0	0	0	0	0	1	1	1	2	3
-50°	0	0	0	0	0	0	1	1	1	2	3
-52.5°	0	0	0	0	0	0	1	1	1	2	2
-55°	0	0	0	0	0	0	0	1	1	1	2
-57.5°	0	0	0	0	0	0	0	1	1	1	1
-60°	0	0	0	0	0	0	0	1	1	1	1
-62.5°	0	0	0	0	0	0	0	0	1	1	1
-65°	0	0	0	0	0	0	0	0	0	1	1
-67.5°	0	0	0	0	0	0	0	0	0	0	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: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-S-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	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	1	1	1	1
75°	0	0	0	0	1	1	1	1	1	1	1
72.5°	0	1	1	1	1	1	1	1	1	1	2
70°	1	1	1	1	1	1	1	2	2	2	3
67.5°	1	1	1	1	2	2	2	3	3	3	3
65°	1	1	1	2	2	3	3	3	3	3	3
62.5°	1	1	2	2	3	3	3	3	3	3	3
60°	1	2	2	3	3	3	3	3	3	3	4
57.5°	2	2	3	3	3	3	3	3	4	4	4
55°	2	3	3	3	3	3	3	4	4	4	4
52.5°	3	3	3	3	3	4	4	4	4	4	4
50°	3	3	3	3	4	4	4	4	4	4	4
47.5°	3	3	3	3	4	4	4	4	4	4	4
45°	3	3	3	4	4	4	4	4	4	4	4
42.5°	3	3	4	4	4	4	4	4	4	4	5
40°	3	3	4	4	4	4	4	4	4	5	5
37.5°	3	4	4	4	4	4	4	4	5	5	6
35°	3	4	4	4	4	4	4	5	5	6	6
32.5°	3	4	4	4	4	4	4	5	6	6	6
30°	4	4	4	4	4	4	5	6	6	6	7
27.5°	4	4	4	4	4	4	5	6	6	7	7
25°	4	4	4	4	4	5	6	6	6	7	7
22.5°	4	4	4	4	4	5	6	6	7	7	7
20°	4	4	4	4	4	5	6	6	7	7	8
17.5°	4	4	4	4	5	6	6	7	7	7	9
15°	4	4	4	4	5	6	6	7	7	8	10
12.5°	4	4	4	4	5	6	6	7	7	8	10
10°	4	4	4	4	5	6	6	7	7	9	10
7.5°	4	4	4	4	5	6	6	7	7	9	11
5°	4	4	4	4	5	6	7	7	8	10	11
2.5°	4	4	4	4	5	6	7	7	8	10	11
0°	4	4	4	4	6	6	7	7	8	10	11
-2.5°	4	4	4	4	5	6	7	7	8	10	11
-5°	4	4	4	4	5	6	7	7	8	10	11
-7.5°	4	4	4	4	5	6	6	7	7	9	11
-10°	4	4	4	4	5	6	6	7	7	9	10
-12.5°	4	4	4	4	5	6	6	7	7	8	10
-15°	4	4	4	4	5	6	6	7	7	8	10
-17.5°	4	4	4	4	5	6	6	7	7	7	9
-20°	4	4	4	4	4	5	6	6	7	7	8



REPORT NUMBER: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-S-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°	4	4	4	4	4	5	6	6	7	7	7
-25°	4	4	4	4	4	5	6	6	6	7	7
-27.5°	4	4	4	4	4	4	5	6	6	7	7
-30°	4	4	4	4	4	4	5	6	6	6	7
-32.5°	3	4	4	4	4	4	4	5	6	6	6
-35°	3	4	4	4	4	4	4	5	5	6	6
-37.5°	3	4	4	4	4	4	4	4	5	5	6
-40°	3	3	4	4	4	4	4	4	4	5	5
-42.5°	3	3	4	4	4	4	4	4	4	4	5
-45°	3	3	3	4	4	4	4	4	4	4	4
-47.5°	3	3	3	3	4	4	4	4	4	4	4
-50°	3	3	3	3	4	4	4	4	4	4	4
-52.5°	3	3	3	3	3	4	4	4	4	4	4
-55°	2	3	3	3	3	3	3	4	4	4	4
-57.5°	2	2	3	3	3	3	3	3	4	4	4
-60°	1	2	2	3	3	3	3	3	3	3	4
-62.5°	1	1	2	2	3	3	3	3	3	3	3
-65°	1	1	1	2	2	3	3	3	3	3	3
-67.5°	1	1	1	1	2	2	2	3	3	3	3
-70°	1	1	1	1	1	1	1	2	2	2	3
-72.5°	0	1	1	1	1	1	1	1	1	1	2
-75°	0	0	0	0	1	1	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	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: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-S-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°	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	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	2	2	2	2	2	2	2
72.5°	2	2	2	2	3	3	3	3	3	3	3
70°	3	3	3	3	3	3	3	3	3	3	3
67.5°	3	3	3	3	3	3	3	3	3	3	3
65°	3	3	3	3	3	4	4	4	4	4	4
62.5°	3	3	4	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
52.5°	4	4	4	4	4	4	4	5	5	5	5
50°	4	4	4	4	5	5	5	6	6	6	6
47.5°	4	4	5	5	6	6	6	6	6	6	6
45°	5	5	6	6	6	6	6	7	7	7	7
42.5°	5	6	6	6	6	7	7	7	7	7	7
40°	6	6	6	7	7	7	7	7	8	8	9
37.5°	6	6	7	7	7	7	8	9	10	10	10
35°	6	7	7	7	8	9	10	10	11	11	12
32.5°	7	7	7	8	10	10	11	12	13	14	15
30°	7	7	9	10	11	11	13	14	16	18	21
27.5°	7	8	10	11	12	13	16	18	23	26	32
25°	8	10	11	12	13	16	21	26	34	42	52
22.5°	9	10	11	13	16	21	28	39	52	66	81
20°	10	11	13	16	21	28	40	57	76	97	116
17.5°	10	12	14	18	26	39	57	80	106	130	152
15°	11	13	16	23	34	52	76	106	135	166	201
12.5°	11	14	18	26	42	66	97	130	166	209	282
10°	12	15	21	32	52	81	116	152	201	282	400
7.5°	12	16	23	37	61	94	132	177	247	363	669
5°	13	17	25	41	68	104	143	196	289	486	1071
2.5°	13	17	26	43	72	110	150	208	316	607	1466
0°	13	18	26	44	73	112	153	212	325	663	1613
-2.5°	13	17	26	43	72	110	150	208	316	607	1466
-5°	13	17	25	41	68	104	143	196	289	486	1071
-7.5°	12	16	23	37	61	94	132	177	247	363	669
-10°	12	15	21	32	52	81	116	152	201	282	400
-12.5°	11	14	18	26	42	66	97	130	166	209	282
-15°	11	13	16	23	34	52	76	106	135	166	201
-17.5°	10	12	14	18	26	39	57	80	106	130	152
-20°	10	11	13	16	21	28	40	57	76	97	116



REPORT NUMBER: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9	10	11	13	16	21	28	39	52	66	81
-25°	8	10	11	12	13	16	21	26	34	42	52
-27.5°	7	8	10	11	12	13	16	18	23	26	32
-30°	7	7	9	10	11	11	13	14	16	18	21
-32.5°	7	7	7	8	10	10	11	12	13	14	15
-35°	6	7	7	7	8	9	10	10	11	11	12
-37.5°	6	6	7	7	7	7	8	9	10	10	10
-40°	6	6	6	7	7	7	7	7	8	8	9
-42.5°	5	6	6	6	6	7	7	7	7	7	7
-45°	5	5	6	6	6	6	6	7	7	7	7
-47.5°	4	4	5	5	6	6	6	6	6	6	6
-50°	4	4	4	4	5	5	5	6	6	6	6
-52.5°	4	4	4	4	4	4	4	5	5	5	5
-55°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	3	3	4	4	4	4	4	4	4	4	4
-65°	3	3	3	3	3	4	4	4	4	4	4
-67.5°	3	3	3	3	3	3	3	3	3	3	3
-70°	3	3	3	3	3	3	3	3	3	3	3
-72.5°	2	2	2	2	3	3	3	3	3	3	3
-75°	1	1	1	1	2	2	2	2	2	2	2
-77.5°	1	1	1	1	1	1	1	1	1	1	1
-80°	0	0	1	1	1	1	1	1	1	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: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-S-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°	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°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
75°	2	2	2	2	2	2	2	2	2	2	2
72.5°	3	3	3	3	3	3	3	3	3	3	3
70°	3	3	3	3	3	3	3	3	3	3	3
67.5°	3	3	3	3	3	3	3	3	3	3	3
65°	4	4	4	4	4	4	4	4	4	4	4
62.5°	4	4	4	4	4	4	4	4	4	4	4
60°	4	4	4	4	4	4	4	4	4	4	4
57.5°	4	4	4	4	4	4	4	4	4	4	4
55°	4	4	4	4	4	4	4	4	4	4	4
52.5°	5	5	5	6	5	5	5	5	5	5	5
50°	6	6	6	6	6	6	6	6	6	6	6
47.5°	6	7	7	7	7	7	6	6	6	6	6
45°	7	7	7	7	7	7	7	7	7	7	7
42.5°	7	8	8	8	8	8	7	7	7	7	7
40°	9	10	10	10	10	10	9	9	8	8	7
37.5°	11	11	11	11	11	11	11	10	10	10	9
35°	12	13	13	13	13	13	12	12	11	11	10
32.5°	16	17	17	18	17	17	16	15	14	13	12
30°	23	25	26	26	26	25	23	21	18	16	14
27.5°	37	41	43	44	43	41	37	32	26	23	18
25°	61	68	72	73	72	68	61	52	42	34	26
22.5°	94	104	110	112	110	104	94	81	66	52	39
20°	132	143	150	153	150	143	132	116	97	76	57
17.5°	177	196	208	212	208	196	177	152	130	106	80
15°	247	289	316	325	316	289	247	201	166	135	106
12.5°	363	486	607	663	607	486	363	282	209	166	130
10°	669	1071	1466	1613	1466	1071	669	400	282	201	152
7.5°	1328	2168	2819	3057	2819	2168	1328	669	363	247	177
5°	2168	3312	4146	4474	4146	3312	2168	1071	486	289	196
2.5°	2819	4146	5299	5843	5299	4146	2819	1466	607	316	208
0°	3057	4474	5843	6535	5843	4474	3057	1613	663	325	212
-2.5°	2819	4146	5299	5843	5299	4146	2819	1466	607	316	208
-5°	2168	3312	4146	4474	4146	3312	2168	1071	486	289	196
-7.5°	1328	2168	2819	3057	2819	2168	1328	669	363	247	177
-10°	669	1071	1466	1613	1466	1071	669	400	282	201	152
-12.5°	363	486	607	663	607	486	363	282	209	166	130
-15°	247	289	316	325	316	289	247	201	166	135	106
-17.5°	177	196	208	212	208	196	177	152	130	106	80
-20°	132	143	150	153	150	143	132	116	97	76	57



REPORT NUMBER: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-S-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°	94	104	110	112	110	104	94	81	66	52	39
-25°	61	68	72	73	72	68	61	52	42	34	26
-27.5°	37	41	43	44	43	41	37	32	26	23	18
-30°	23	25	26	26	26	25	23	21	18	16	14
-32.5°	16	17	17	18	17	17	16	15	14	13	12
-35°	12	13	13	13	13	13	12	12	11	11	10
-37.5°	11	11	11	11	11	11	11	10	10	10	9
-40°	9	10	10	10	10	10	9	9	8	8	7
-42.5°	7	8	8	8	8	8	7	7	7	7	7
-45°	7	7	7	7	7	7	7	7	7	7	7
-47.5°	6	7	7	7	7	7	6	6	6	6	6
-50°	6	6	6	6	6	6	6	6	6	6	6
-52.5°	5	5	5	6	5	5	5	5	5	5	5
-55°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	4
-60°	4	4	4	4	4	4	4	4	4	4	4
-62.5°	4	4	4	4	4	4	4	4	4	4	4
-65°	4	4	4	4	4	4	4	4	4	4	4
-67.5°	3	3	3	3	3	3	3	3	3	3	3
-70°	3	3	3	3	3	3	3	3	3	3	3
-72.5°	3	3	3	3	3	3	3	3	3	3	3
-75°	2	2	2	2	2	2	2	2	2	2	2
-77.5°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	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: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-S-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°	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°	1	1	1	1	1	0	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	1	1
75°	2	2	2	1	1	1	1	1	1	1	1
72.5°	3	3	3	2	2	2	2	2	1	1	1
70°	3	3	3	3	3	3	3	3	2	2	2
67.5°	3	3	3	3	3	3	3	3	3	3	3
65°	4	4	3	3	3	3	3	3	3	3	3
62.5°	4	4	4	4	4	3	3	3	3	3	3
60°	4	4	4	4	4	4	4	4	3	3	3
57.5°	4	4	4	4	4	4	4	4	4	4	3
55°	4	4	4	4	4	4	4	4	4	4	4
52.5°	4	4	4	4	4	4	4	4	4	4	4
50°	5	5	5	4	4	4	4	4	4	4	4
47.5°	6	6	6	5	5	4	4	4	4	4	4
45°	6	6	6	6	6	5	5	4	4	4	4
42.5°	7	7	6	6	6	6	5	5	4	4	4
40°	7	7	7	7	6	6	6	5	5	4	4
37.5°	8	7	7	7	7	6	6	6	5	5	4
35°	10	9	8	7	7	7	6	6	6	5	5
32.5°	11	10	10	8	7	7	7	6	6	6	5
30°	13	11	11	10	9	7	7	7	6	6	6
27.5°	16	13	12	11	10	8	7	7	7	6	6
25°	21	16	13	12	11	10	8	7	7	6	6
22.5°	28	21	16	13	11	10	9	7	7	7	6
20°	40	28	21	16	13	11	10	8	7	7	6
17.5°	57	39	26	18	14	12	10	9	7	7	7
15°	76	52	34	23	16	13	11	10	8	7	7
12.5°	97	66	42	26	18	14	11	10	8	7	7
10°	116	81	52	32	21	15	12	10	9	7	7
7.5°	132	94	61	37	23	16	12	11	9	7	7
5°	143	104	68	41	25	17	13	11	10	8	7
2.5°	150	110	72	43	26	17	13	11	10	8	7
0°	153	112	73	44	26	18	13	11	10	8	7
-2.5°	150	110	72	43	26	17	13	11	10	8	7
-5°	143	104	68	41	25	17	13	11	10	8	7
-7.5°	132	94	61	37	23	16	12	11	9	7	7
-10°	116	81	52	32	21	15	12	10	9	7	7
-12.5°	97	66	42	26	18	14	11	10	8	7	7
-15°	76	52	34	23	16	13	11	10	8	7	7
-17.5°	57	39	26	18	14	12	10	9	7	7	7
-20°	40	28	21	16	13	11	10	8	7	7	6



REPORT NUMBER: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	28	21	16	13	11	10	9	7	7	7	6
-25°	21	16	13	12	11	10	8	7	7	6	6
-27.5°	16	13	12	11	10	8	7	7	7	6	6
-30°	13	11	11	10	9	7	7	7	6	6	6
-32.5°	11	10	10	8	7	7	7	6	6	6	5
-35°	10	9	8	7	7	7	6	6	6	5	5
-37.5°	8	7	7	7	7	6	6	6	5	5	4
-40°	7	7	7	7	6	6	6	5	5	4	4
-42.5°	7	7	6	6	6	6	5	5	4	4	4
-45°	6	6	6	6	6	5	5	4	4	4	4
-47.5°	6	6	6	5	5	4	4	4	4	4	4
-50°	5	5	5	4	4	4	4	4	4	4	4
-52.5°	4	4	4	4	4	4	4	4	4	4	4
-55°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	4	4	4	4	4	4	4	4	4	4	3
-60°	4	4	4	4	4	4	4	4	3	3	3
-62.5°	4	4	4	4	4	3	3	3	3	3	3
-65°	4	4	3	3	3	3	3	3	3	3	3
-67.5°	3	3	3	3	3	3	3	3	3	3	3
-70°	3	3	3	3	3	3	3	3	2	2	2
-72.5°	3	3	3	2	2	2	2	2	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	1
-80°	1	1	1	1	1	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: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-S-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°	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°	1	1	1	0	0	0	0	0	0	0	0
72.5°	1	1	1	1	1	1	0	0	0	0	0
70°	1	1	1	1	1	1	1	0	0	0	0
67.5°	2	2	2	1	1	1	1	1	0	0	0
65°	3	3	2	2	1	1	1	1	1	0	0
62.5°	3	3	3	2	2	1	1	1	1	1	0
60°	3	3	3	3	2	2	1	1	1	1	1
57.5°	3	3	3	3	3	2	2	1	1	1	1
55°	3	3	3	3	3	3	2	2	1	1	1
52.5°	4	4	3	3	3	3	3	2	2	1	1
50°	4	4	4	3	3	3	3	3	2	1	1
47.5°	4	4	4	3	3	3	3	3	2	1	1
45°	4	4	4	4	3	3	3	3	3	2	1
42.5°	4	4	4	4	4	3	3	3	3	2	1
40°	4	4	4	4	4	3	3	3	3	2	1
37.5°	4	4	4	4	4	4	3	3	3	3	2
35°	4	4	4	4	4	4	3	3	3	3	2
32.5°	4	4	4	4	4	4	3	3	3	3	2
30°	5	4	4	4	4	4	4	3	3	3	2
27.5°	5	4	4	4	4	4	4	3	3	3	2
25°	6	5	4	4	4	4	4	3	3	3	3
22.5°	6	5	4	4	4	4	4	4	3	3	3
20°	6	5	4	4	4	4	4	4	3	3	3
17.5°	6	6	5	4	4	4	4	4	3	3	3
15°	6	6	5	4	4	4	4	4	3	3	3
12.5°	6	6	5	4	4	4	4	4	3	3	3
10°	6	6	5	4	4	4	4	4	3	3	3
7.5°	6	6	5	4	4	4	4	4	3	3	3
5°	7	6	5	4	4	4	4	4	3	3	3
2.5°	7	6	5	4	4	4	4	4	3	3	3
0°	7	6	6	4	4	4	4	4	3	3	3
-2.5°	7	6	5	4	4	4	4	4	3	3	3
-5°	7	6	5	4	4	4	4	4	3	3	3
-7.5°	6	6	5	4	4	4	4	4	3	3	3
-10°	6	6	5	4	4	4	4	4	3	3	3
-12.5°	6	6	5	4	4	4	4	4	3	3	3
-15°	6	6	5	4	4	4	4	4	3	3	3
-17.5°	6	6	5	4	4	4	4	4	3	3	3
-20°	6	5	4	4	4	4	4	4	3	3	3



REPORT NUMBER: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-S-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°	6	5	4	4	4	4	4	4	3	3	3
-25°	6	5	4	4	4	4	4	3	3	3	3
-27.5°	5	4	4	4	4	4	4	3	3	3	2
-30°	5	4	4	4	4	4	4	3	3	3	2
-32.5°	4	4	4	4	4	4	3	3	3	3	2
-35°	4	4	4	4	4	4	3	3	3	3	2
-37.5°	4	4	4	4	4	4	3	3	3	3	2
-40°	4	4	4	4	4	3	3	3	3	2	1
-42.5°	4	4	4	4	4	3	3	3	3	2	1
-45°	4	4	4	4	3	3	3	3	3	2	1
-47.5°	4	4	4	3	3	3	3	3	2	1	1
-50°	4	4	4	3	3	3	3	3	2	1	1
-52.5°	4	4	3	3	3	3	3	2	2	1	1
-55°	3	3	3	3	3	3	2	2	1	1	1
-57.5°	3	3	3	3	3	2	2	1	1	1	1
-60°	3	3	3	3	2	2	1	1	1	1	1
-62.5°	3	3	3	2	2	1	1	1	1	1	0
-65°	3	3	2	2	1	1	1	1	1	0	0
-67.5°	2	2	2	1	1	1	1	1	0	0	0
-70°	1	1	1	1	1	1	1	0	0	0	0
-72.5°	1	1	1	1	1	1	0	0	0	0	0
-75°	1	1	1	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: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-S-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°	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°	1	0	0	0	0	0	0
50°	1	0	0	0	0	0	0
47.5°	1	0	0	0	0	0	0
45°	1	1	0	0	0	0	0
42.5°	1	1	0	0	0	0	0
40°	1	1	0	0	0	0	0
37.5°	1	1	0	0	0	0	0
35°	1	1	0	0	0	0	0
32.5°	1	1	0	0	0	0	0
30°	1	1	1	0	0	0	0
27.5°	1	1	1	0	0	0	0
25°	2	1	1	0	0	0	0
22.5°	2	1	1	0	0	0	0
20°	2	1	1	0	0	0	0
17.5°	2	1	1	0	0	0	0
15°	2	1	1	0	0	0	0
12.5°	2	1	1	0	0	0	0
10°	2	1	1	0	0	0	0
7.5°	2	1	1	0	0	0	0
5°	2	1	1	0	0	0	0
2.5°	2	1	1	0	0	0	0
0°	2	1	1	0	0	0	0
-2.5°	2	1	1	0	0	0	0
-5°	2	1	1	0	0	0	0
-7.5°	2	1	1	0	0	0	0
-10°	2	1	1	0	0	0	0
-12.5°	2	1	1	0	0	0	0
-15°	2	1	1	0	0	0	0
-17.5°	2	1	1	0	0	0	0
-20°	2	1	1	0	0	0	0



REPORT NUMBER: P220372 (CONVERTED FROM TYPE C PHOTOMETRY)

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

CANDELA DISTRIBUTION (continued):

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