

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: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29409)
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]-[RW, RI]-LED5080-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

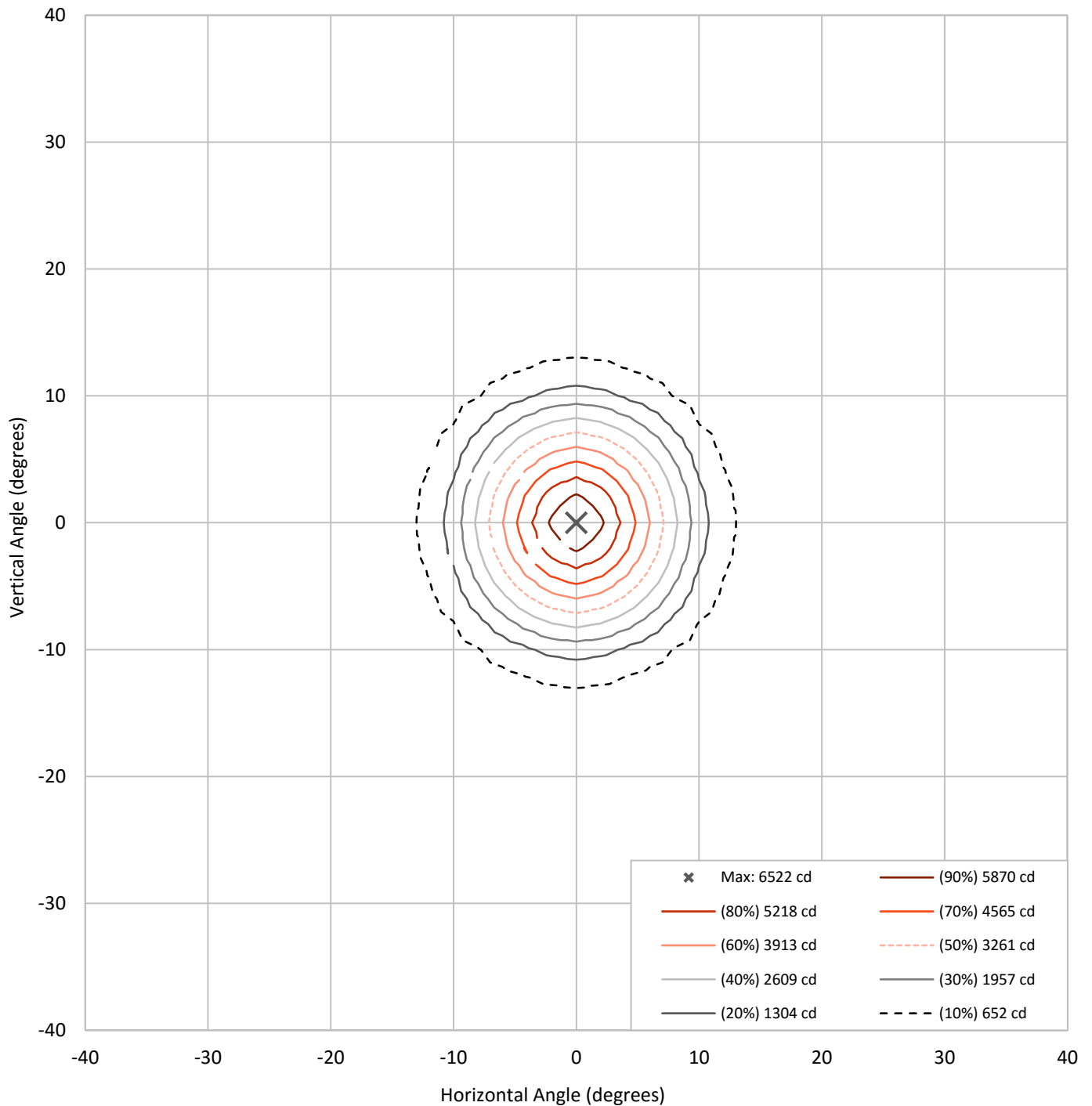
Summary

Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	510 lumens	Max Intensity:	6522 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	51.0 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	14.2°H x 14.2°V	Field Angle (10%):	25.2°H x 25.2°V
Beam Lumens:	207.2 lumens	Field Lumens:	388.3 lumens
Beam Efficiency:	40.6%	Field Efficiency:	76.1%
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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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-S-WT-L1-UNV

Iso-Candela Plot





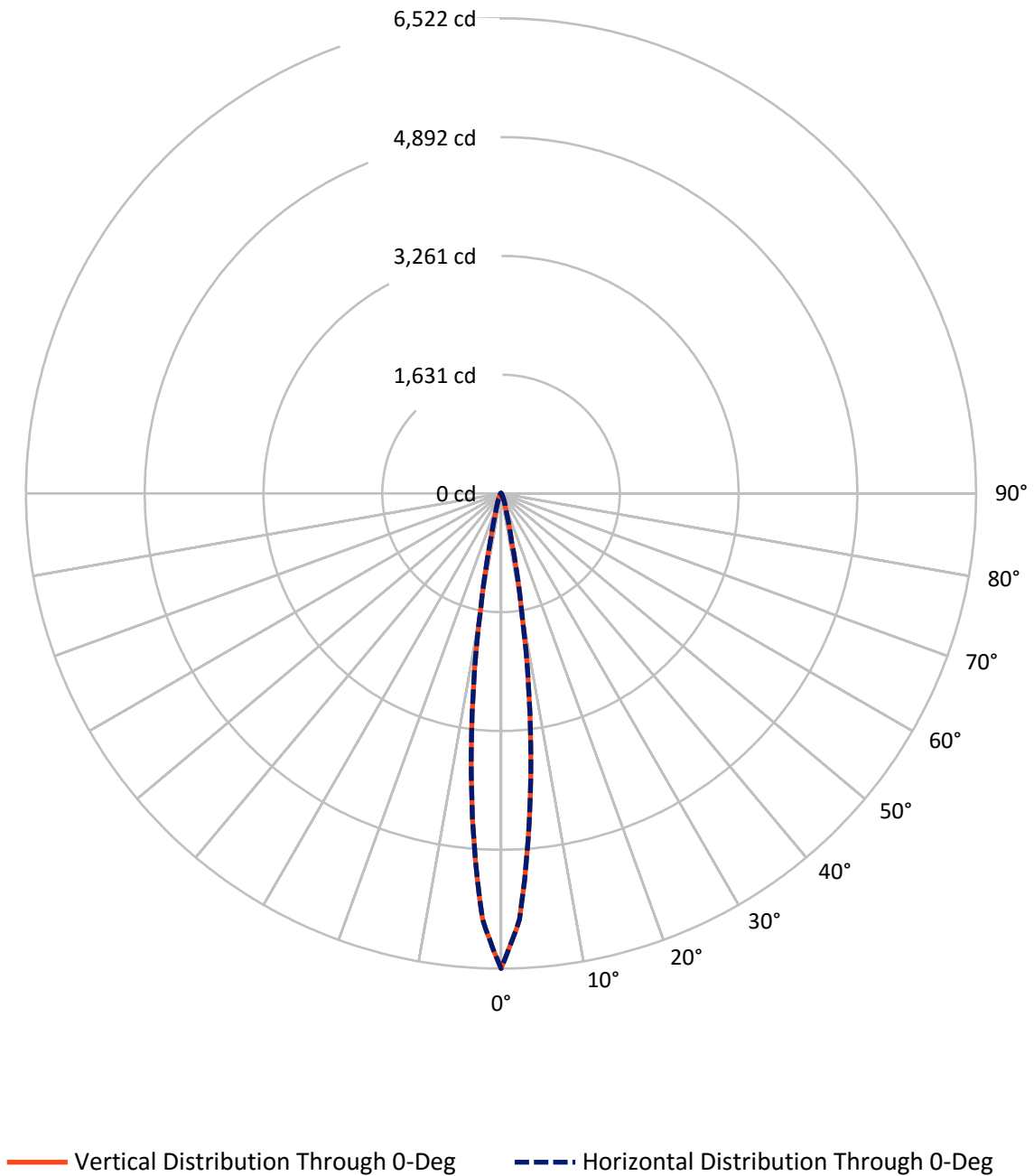
REPORT NUMBER: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-S-WT-L1-UNV

Lumen Table

90	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	
70	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
60		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	
40		0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.2	0.1	0.1	0.0		0.0
30	0.0	0.0	0.1	0.1	0.2	0.4	1.1	2.1	2.1	1.1	0.4	0.2	0.1	0.1	0.0	0.0
20		0.0	0.1	0.1	0.2	1.0	4.0	11.6	11.6	4.0	1.0	0.2	0.1	0.1	0.0	
10	0.0	0.0	0.1	0.1	0.3	1.9	11.3	89.6	89.6	11.3	1.9	0.3	0.1	0.1	0.0	0.0
0		0.0	0.1	0.1	0.3	1.9	11.3	89.6	89.6	11.3	1.9	0.3	0.1	0.1	0.0	
-10	0.0	0.0	0.1	0.1	0.2	1.0	4.0	11.6	11.6	4.0	1.0	0.2	0.1	0.1	0.0	0.0
-20		0.0	0.1	0.1	0.2	0.4	1.1	2.1	2.1	1.1	0.4	0.2	0.1	0.1	0.0	
-30	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0
-40		0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	
-50	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	
-60		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0		0.0
-70	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	
-80		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	

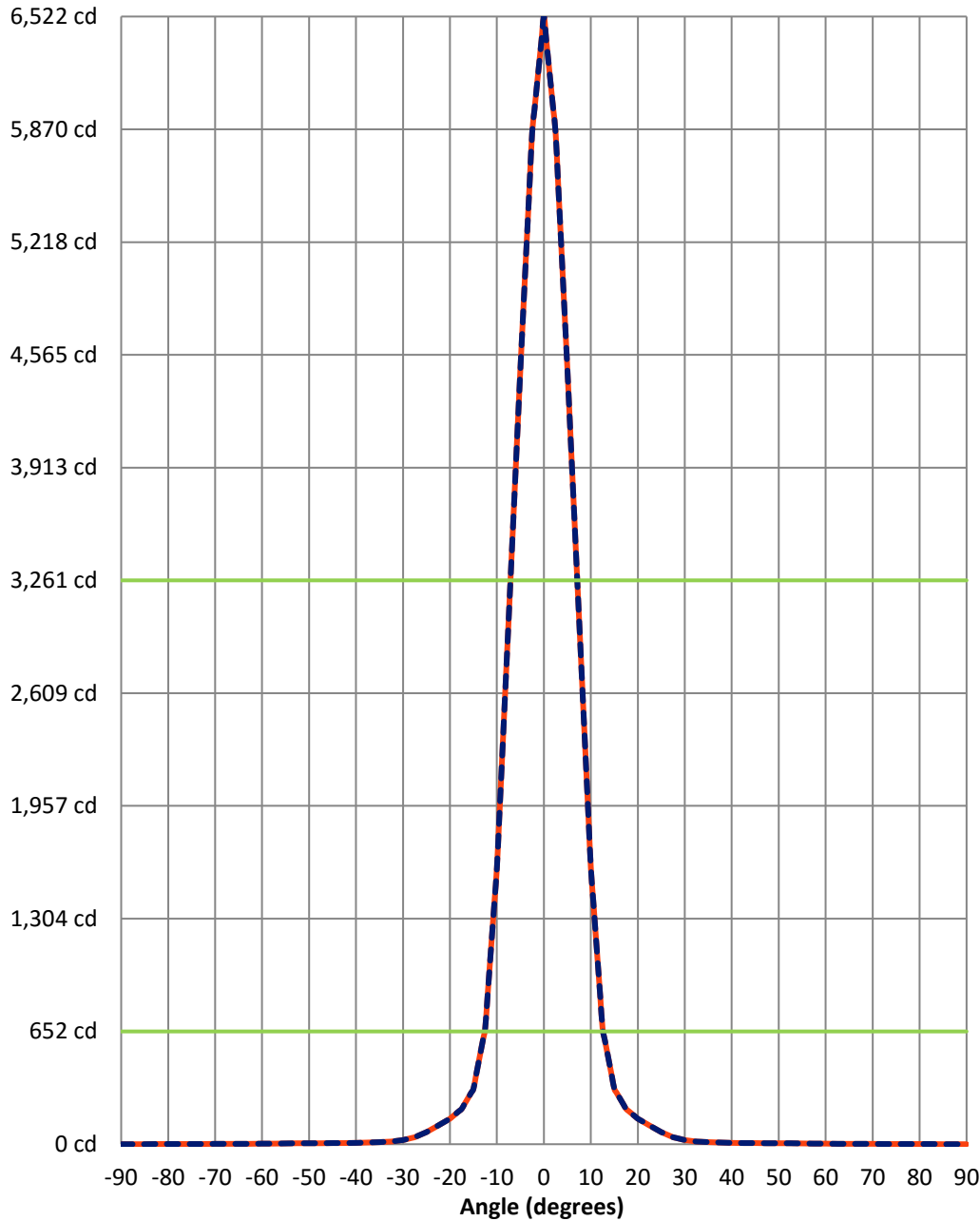
REPORT NUMBER: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-S-WT-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-S-WT-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 14.2°
 V Angle: 14.2°
 Lumens: 207.2
 Efficiency: 40.6%

Field:
 H Angle: 25.2°
 V Angle: 25.2°
 Lumens: 388.3
 Efficiency: 76.1%

Spill:
 Lumens: 121.7
 Efficiency: 23.9%

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



REPORT NUMBER: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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	1	1	1	1	1	2	2	2
-25°	0	0	0	1	1	1	1	1	1	2	2
-27.5°	0	0	0	1	1	1	1	1	1	2	2
-30°	0	0	0	1	1	1	1	1	1	2	2
-32.5°	0	0	0	1	1	1	1	1	1	2	2
-35°	0	0	0	1	1	1	1	1	1	1	2
-37.5°	0	0	0	0	1	1	1	1	1	1	2
-40°	0	0	0	0	1	1	1	1	1	1	2
-42.5°	0	0	0	0	1	1	1	1	1	1	1
-45°	0	0	0	0	1	1	1	1	1	1	1
-47.5°	0	0	0	0	1	1	1	1	1	1	1
-50°	0	0	0	0	1	1	1	1	1	1	1
-52.5°	0	0	0	0	0	1	1	1	1	1	1
-55°	0	0	0	0	0	1	1	1	1	1	1
-57.5°	0	0	0	0	0	1	1	1	1	1	1
-60°	0	0	0	0	0	1	1	1	1	1	1
-62.5°	0	0	0	0	0	0	1	1	1	1	1
-65°	0	0	0	0	0	0	1	1	1	1	1
-67.5°	0	0	0	0	0	0	0	1	1	1	1
-70°	0	0	0	0	0	0	0	0	1	1	1
-72.5°	0	0	0	0	0	0	0	0	0	1	1
-75°	0	0	0	0	0	0	0	0	0	0	1
-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: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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	1	1	1	1	1	1
77.5°	0	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	2	2
62.5°	1	1	1	1	1	1	1	2	2	2	2
60°	1	1	1	1	1	2	2	2	2	2	2
57.5°	1	1	1	1	2	2	2	2	2	2	2
55°	1	1	1	2	2	2	2	2	2	2	2
52.5°	1	1	2	2	2	2	2	2	2	2	3
50°	1	2	2	2	2	2	2	2	3	3	3
47.5°	1	2	2	2	2	2	2	3	3	3	3
45°	2	2	2	2	2	2	3	3	3	3	4
42.5°	2	2	2	2	2	3	3	3	3	4	5
40°	2	2	2	2	2	3	3	3	4	5	5
37.5°	2	2	2	2	3	3	3	4	5	5	6
35°	2	2	2	2	3	3	4	5	5	6	6
32.5°	2	2	2	3	3	3	4	5	6	6	6
30°	2	2	2	3	3	4	5	6	6	6	6
27.5°	2	2	3	3	3	4	5	6	6	6	6
25°	2	2	3	3	4	5	6	6	6	6	7
22.5°	2	2	3	3	4	5	6	6	6	7	7
20°	2	2	3	3	4	5	6	6	6	7	7
17.5°	2	3	3	4	5	6	6	6	6	7	7
15°	2	3	3	4	5	6	6	6	7	7	8
12.5°	2	3	3	4	5	6	6	6	7	7	8
10°	2	3	3	4	5	6	6	6	7	7	9
7.5°	2	3	3	4	5	6	6	6	7	7	9
5°	2	3	3	4	5	6	6	7	7	7	10
2.5°	2	3	3	4	5	6	6	7	7	8	10
0°	2	3	3	4	6	6	6	7	7	8	10
-2.5°	2	3	3	4	5	6	6	7	7	8	10
-5°	2	3	3	4	5	6	6	7	7	7	10
-7.5°	2	3	3	4	5	6	6	6	7	7	9
-10°	2	3	3	4	5	6	6	6	7	7	9
-12.5°	2	3	3	4	5	6	6	6	7	7	8
-15°	2	3	3	4	5	6	6	6	7	7	8
-17.5°	2	3	3	4	5	6	6	6	6	7	7
-20°	2	2	3	3	4	5	6	6	6	7	7



REPORT NUMBER: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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°	2	2	3	3	4	5	6	6	6	7	7
-25°	2	2	3	3	4	5	6	6	6	6	7
-27.5°	2	2	3	3	3	4	5	6	6	6	6
-30°	2	2	2	3	3	4	5	6	6	6	6
-32.5°	2	2	2	3	3	3	4	5	6	6	6
-35°	2	2	2	2	3	3	4	5	5	6	6
-37.5°	2	2	2	2	3	3	3	4	5	5	6
-40°	2	2	2	2	2	3	3	3	4	5	5
-42.5°	2	2	2	2	2	3	3	3	3	4	5
-45°	2	2	2	2	2	2	3	3	3	3	4
-47.5°	1	2	2	2	2	2	2	3	3	3	3
-50°	1	2	2	2	2	2	2	2	3	3	3
-52.5°	1	1	2	2	2	2	2	2	2	2	3
-55°	1	1	1	2	2	2	2	2	2	2	2
-57.5°	1	1	1	1	2	2	2	2	2	2	2
-60°	1	1	1	1	1	2	2	2	2	2	2
-62.5°	1	1	1	1	1	1	1	2	2	2	2
-65°	1	1	1	1	1	1	1	1	1	2	2
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	0	1	1	1	1	1	1	1	1	1	1
-80°	0	0	0	0	0	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: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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°	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°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	2	2	2	2	2	2
67.5°	1	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	3	3	3	3
57.5°	2	2	2	3	3	3	3	3	3	3	3
55°	2	3	3	3	3	3	3	4	4	4	4
52.5°	3	3	3	3	4	4	4	5	5	5	5
50°	3	3	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	6	6	6	6
42.5°	5	6	6	6	6	6	6	6	7	7	7
40°	6	6	6	6	6	7	7	7	7	7	7
37.5°	6	6	6	6	7	7	7	7	8	8	9
35°	6	6	7	7	7	7	8	9	10	10	11
32.5°	6	7	7	7	8	9	10	11	12	13	14
30°	7	7	7	8	9	10	12	13	14	16	19
27.5°	7	7	8	9	11	12	14	16	20	24	30
25°	7	8	9	11	12	14	18	23	31	39	49
22.5°	7	9	10	12	14	19	26	36	48	63	77
20°	8	10	12	14	18	26	37	54	73	94	112
17.5°	9	11	13	16	23	36	54	77	102	126	146
15°	10	12	14	20	31	48	73	102	130	160	194
12.5°	10	13	16	24	39	63	94	126	160	202	276
10°	11	14	19	30	49	77	112	146	194	276	401
7.5°	11	14	21	34	58	90	127	170	240	361	675
5°	12	15	23	38	64	100	138	189	283	489	1072
2.5°	12	15	24	40	69	106	145	200	311	613	1456
0°	12	15	24	40	70	108	147	204	320	669	1598
-2.5°	12	15	24	40	69	106	145	200	311	613	1456
-5°	12	15	23	38	64	100	138	189	283	489	1072
-7.5°	11	14	21	34	58	90	127	170	240	361	675
-10°	11	14	19	30	49	77	112	146	194	276	401
-12.5°	10	13	16	24	39	63	94	126	160	202	276
-15°	10	12	14	20	31	48	73	102	130	160	194
-17.5°	9	11	13	16	23	36	54	77	102	126	146
-20°	8	10	12	14	18	26	37	54	73	94	112



REPORT NUMBER: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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°	7	9	10	12	14	19	26	36	48	63	77
-25°	7	8	9	11	12	14	18	23	31	39	49
-27.5°	7	7	8	9	11	12	14	16	20	24	30
-30°	7	7	7	8	9	10	12	13	14	16	19
-32.5°	6	7	7	7	8	9	10	11	12	13	14
-35°	6	6	7	7	7	7	8	9	10	10	11
-37.5°	6	6	6	6	7	7	7	7	8	8	9
-40°	6	6	6	6	6	7	7	7	7	7	7
-42.5°	5	6	6	6	6	6	6	6	7	7	7
-45°	5	5	6	6	6	6	6	6	6	6	6
-47.5°	4	4	5	5	6	6	6	6	6	6	6
-50°	3	3	4	4	5	5	5	6	6	6	6
-52.5°	3	3	3	3	4	4	4	5	5	5	5
-55°	2	3	3	3	3	3	3	4	4	4	4
-57.5°	2	2	2	3	3	3	3	3	3	3	3
-60°	2	2	2	2	2	2	2	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	1	2	2	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	2	2	2	2	2	2
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	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	1	1	1	1	1	1
-82.5°	1	1	1	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: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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°	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°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	2	2	2	2	2	2	2	2	2	2	2
67.5°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	2
60°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	3	3	3	3	3	3	3	3
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	6	6	6	6	6	6	6	6	6	6
45°	6	7	7	7	7	7	6	6	6	6	6
42.5°	7	7	7	7	7	7	7	7	7	7	6
40°	7	7	8	8	8	7	7	7	7	7	7
37.5°	9	10	10	10	10	10	9	9	8	8	7
35°	11	12	12	12	12	12	11	11	10	10	9
32.5°	14	15	15	15	15	15	14	14	13	12	11
30°	21	23	24	24	24	23	21	19	16	14	13
27.5°	34	38	40	40	40	38	34	30	24	20	16
25°	58	64	69	70	69	64	58	49	39	31	23
22.5°	90	100	106	108	106	100	90	77	63	48	36
20°	127	138	145	147	145	138	127	112	94	73	54
17.5°	170	189	200	204	200	189	170	146	126	102	77
15°	240	283	311	320	311	283	240	194	160	130	102
12.5°	361	489	613	669	613	489	361	276	202	160	126
10°	675	1072	1456	1598	1456	1072	675	401	276	194	146
7.5°	1321	2146	2797	3036	2797	2146	1321	675	361	240	170
5°	2146	3294	4148	4486	4148	3294	2146	1072	489	283	189
2.5°	2797	4148	5322	5850	5322	4148	2797	1456	613	311	200
0°	3036	4486	5850	6522	5850	4486	3036	1598	669	320	204
-2.5°	2797	4148	5322	5850	5322	4148	2797	1456	613	311	200
-5°	2146	3294	4148	4486	4148	3294	2146	1072	489	283	189
-7.5°	1321	2146	2797	3036	2797	2146	1321	675	361	240	170
-10°	675	1072	1456	1598	1456	1072	675	401	276	194	146
-12.5°	361	489	613	669	613	489	361	276	202	160	126
-15°	240	283	311	320	311	283	240	194	160	130	102
-17.5°	170	189	200	204	200	189	170	146	126	102	77
-20°	127	138	145	147	145	138	127	112	94	73	54



REPORT NUMBER: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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°	90	100	106	108	106	100	90	77	63	48	36
-25°	58	64	69	70	69	64	58	49	39	31	23
-27.5°	34	38	40	40	40	38	34	30	24	20	16
-30°	21	23	24	24	24	23	21	19	16	14	13
-32.5°	14	15	15	15	15	15	14	14	13	12	11
-35°	11	12	12	12	12	12	11	11	10	10	9
-37.5°	9	10	10	10	10	10	9	9	8	8	7
-40°	7	7	8	8	8	7	7	7	7	7	7
-42.5°	7	7	7	7	7	7	7	7	7	7	6
-45°	6	7	7	7	7	7	6	6	6	6	6
-47.5°	6	6	6	6	6	6	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°	3	3	3	3	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	2
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	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	1	1	1	1	1	1
-82.5°	1	1	1	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: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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°	1	1	1	1	1	1	1	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°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	2	2	1	1	1	1	1	1	1	1	1
67.5°	2	2	2	2	2	2	1	1	1	1	1
65°	2	2	2	2	2	2	2	2	2	1	1
62.5°	2	2	2	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
57.5°	3	3	3	3	2	2	2	2	2	2	2
55°	3	3	3	3	3	3	2	2	2	2	2
52.5°	4	4	4	3	3	3	3	3	2	2	2
50°	5	5	5	4	4	3	3	3	3	3	2
47.5°	6	6	6	5	5	4	4	3	3	3	3
45°	6	6	6	6	6	5	5	4	3	3	3
42.5°	6	6	6	6	6	6	5	5	4	3	3
40°	7	7	6	6	6	6	6	5	5	4	3
37.5°	7	7	7	6	6	6	6	6	5	5	4
35°	8	7	7	7	7	6	6	6	6	5	5
32.5°	10	9	8	7	7	7	6	6	6	6	5
30°	12	10	9	8	7	7	7	6	6	6	6
27.5°	14	12	11	9	8	7	7	6	6	6	6
25°	18	14	12	11	9	8	7	7	6	6	6
22.5°	26	19	14	12	10	9	7	7	7	6	6
20°	37	26	18	14	12	10	8	7	7	6	6
17.5°	54	36	23	16	13	11	9	7	7	6	6
15°	73	48	31	20	14	12	10	8	7	7	6
12.5°	94	63	39	24	16	13	10	8	7	7	6
10°	112	77	49	30	19	14	11	9	7	7	6
7.5°	127	90	58	34	21	14	11	9	7	7	6
5°	138	100	64	38	23	15	12	10	7	7	7
2.5°	145	106	69	40	24	15	12	10	8	7	7
0°	147	108	70	40	24	15	12	10	8	7	7
-2.5°	145	106	69	40	24	15	12	10	8	7	7
-5°	138	100	64	38	23	15	12	10	7	7	7
-7.5°	127	90	58	34	21	14	11	9	7	7	6
-10°	112	77	49	30	19	14	11	9	7	7	6
-12.5°	94	63	39	24	16	13	10	8	7	7	6
-15°	73	48	31	20	14	12	10	8	7	7	6
-17.5°	54	36	23	16	13	11	9	7	7	6	6
-20°	37	26	18	14	12	10	8	7	7	6	6



REPORT NUMBER: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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°	26	19	14	12	10	9	7	7	7	6	6
-25°	18	14	12	11	9	8	7	7	6	6	6
-27.5°	14	12	11	9	8	7	7	6	6	6	6
-30°	12	10	9	8	7	7	7	6	6	6	6
-32.5°	10	9	8	7	7	7	6	6	6	6	5
-35°	8	7	7	7	7	6	6	6	6	5	5
-37.5°	7	7	7	6	6	6	6	6	5	5	4
-40°	7	7	6	6	6	6	6	5	5	4	3
-42.5°	6	6	6	6	6	6	5	5	4	3	3
-45°	6	6	6	6	6	5	5	4	3	3	3
-47.5°	6	6	6	5	5	4	4	3	3	3	3
-50°	5	5	5	4	4	3	3	3	3	3	2
-52.5°	4	4	4	3	3	3	3	3	2	2	2
-55°	3	3	3	3	3	3	2	2	2	2	2
-57.5°	3	3	3	3	2	2	2	2	2	2	2
-60°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	2
-65°	2	2	2	2	2	2	2	2	2	1	1
-67.5°	2	2	2	2	2	2	1	1	1	1	1
-70°	2	2	1	1	1	1	1	1	1	1	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	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	1	1	1	1	1	1
-82.5°	1	1	1	1	1	1	1	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: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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°	1	1	0	0	0	0	0	0	0	0	0
77.5°	1	1	1	1	1	1	0	0	0	0	0
75°	1	1	1	1	1	1	1	1	0	0	0
72.5°	1	1	1	1	1	1	1	1	1	0	0
70°	1	1	1	1	1	1	1	1	1	1	0
67.5°	1	1	1	1	1	1	1	1	1	1	1
65°	1	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	2	2	1	1	1	1	1	1	1	1	1
57.5°	2	2	2	1	1	1	1	1	1	1	1
55°	2	2	2	2	1	1	1	1	1	1	1
52.5°	2	2	2	2	2	1	1	1	1	1	1
50°	2	2	2	2	2	2	1	1	1	1	1
47.5°	2	2	2	2	2	2	1	1	1	1	1
45°	3	2	2	2	2	2	2	1	1	1	1
42.5°	3	3	2	2	2	2	2	1	1	1	1
40°	3	3	2	2	2	2	2	2	1	1	1
37.5°	3	3	3	2	2	2	2	2	1	1	1
35°	4	3	3	2	2	2	2	2	1	1	1
32.5°	4	3	3	3	2	2	2	2	2	1	1
30°	5	4	3	3	2	2	2	2	2	1	1
27.5°	5	4	3	3	3	2	2	2	2	1	1
25°	6	5	4	3	3	2	2	2	2	1	1
22.5°	6	5	4	3	3	2	2	2	2	2	1
20°	6	5	4	3	3	2	2	2	2	2	1
17.5°	6	6	5	4	3	3	2	2	2	2	1
15°	6	6	5	4	3	3	2	2	2	2	1
12.5°	6	6	5	4	3	3	2	2	2	2	1
10°	6	6	5	4	3	3	2	2	2	2	1
7.5°	6	6	5	4	3	3	2	2	2	2	1
5°	6	6	5	4	3	3	2	2	2	2	1
2.5°	6	6	5	4	3	3	2	2	2	2	1
0°	6	6	6	4	3	3	2	2	2	2	1
-2.5°	6	6	5	4	3	3	2	2	2	2	1
-5°	6	6	5	4	3	3	2	2	2	2	1
-7.5°	6	6	5	4	3	3	2	2	2	2	1
-10°	6	6	5	4	3	3	2	2	2	2	1
-12.5°	6	6	5	4	3	3	2	2	2	2	1
-15°	6	6	5	4	3	3	2	2	2	2	1
-17.5°	6	6	5	4	3	3	2	2	2	2	1
-20°	6	5	4	3	3	2	2	2	2	2	1



REPORT NUMBER: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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	3	3	2	2	2	2	2	1
-25°	6	5	4	3	3	2	2	2	2	1	1
-27.5°	5	4	3	3	3	2	2	2	2	1	1
-30°	5	4	3	3	2	2	2	2	2	1	1
-32.5°	4	3	3	3	2	2	2	2	2	1	1
-35°	4	3	3	2	2	2	2	2	1	1	1
-37.5°	3	3	3	2	2	2	2	2	1	1	1
-40°	3	3	2	2	2	2	2	2	1	1	1
-42.5°	3	3	2	2	2	2	2	1	1	1	1
-45°	3	2	2	2	2	2	2	1	1	1	1
-47.5°	2	2	2	2	2	2	1	1	1	1	1
-50°	2	2	2	2	2	2	1	1	1	1	1
-52.5°	2	2	2	2	2	1	1	1	1	1	1
-55°	2	2	2	2	1	1	1	1	1	1	1
-57.5°	2	2	2	1	1	1	1	1	1	1	1
-60°	2	2	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	1	1	1	1	1	1	1	1	1	1	1
-67.5°	1	1	1	1	1	1	1	1	1	1	1
-70°	1	1	1	1	1	1	1	1	1	1	0
-72.5°	1	1	1	1	1	1	1	1	1	0	0
-75°	1	1	1	1	1	1	1	1	0	0	0
-77.5°	1	1	1	1	1	1	0	0	0	0	0
-80°	1	1	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: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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°	1	0	0	0	0	0	0
62.5°	1	0	0	0	0	0	0
60°	1	1	0	0	0	0	0
57.5°	1	1	0	0	0	0	0
55°	1	1	0	0	0	0	0
52.5°	1	1	0	0	0	0	0
50°	1	1	1	0	0	0	0
47.5°	1	1	1	0	0	0	0
45°	1	1	1	0	0	0	0
42.5°	1	1	1	0	0	0	0
40°	1	1	1	0	0	0	0
37.5°	1	1	1	0	0	0	0
35°	1	1	1	1	0	0	0
32.5°	1	1	1	1	0	0	0
30°	1	1	1	1	0	0	0
27.5°	1	1	1	1	0	0	0
25°	1	1	1	1	0	0	0
22.5°	1	1	1	1	0	0	0
20°	1	1	1	1	0	0	0
17.5°	1	1	1	1	0	0	0
15°	1	1	1	1	0	0	0
12.5°	1	1	1	1	0	0	0
10°	1	1	1	1	0	0	0
7.5°	1	1	1	1	0	0	0
5°	1	1	1	1	0	0	0
2.5°	1	1	1	1	0	0	0
0°	1	1	1	1	0	0	0
-2.5°	1	1	1	1	0	0	0
-5°	1	1	1	1	0	0	0
-7.5°	1	1	1	1	0	0	0
-10°	1	1	1	1	0	0	0
-12.5°	1	1	1	1	0	0	0
-15°	1	1	1	1	0	0	0
-17.5°	1	1	1	1	0	0	0
-20°	1	1	1	1	0	0	0



REPORT NUMBER: P220308 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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