

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: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)
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-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

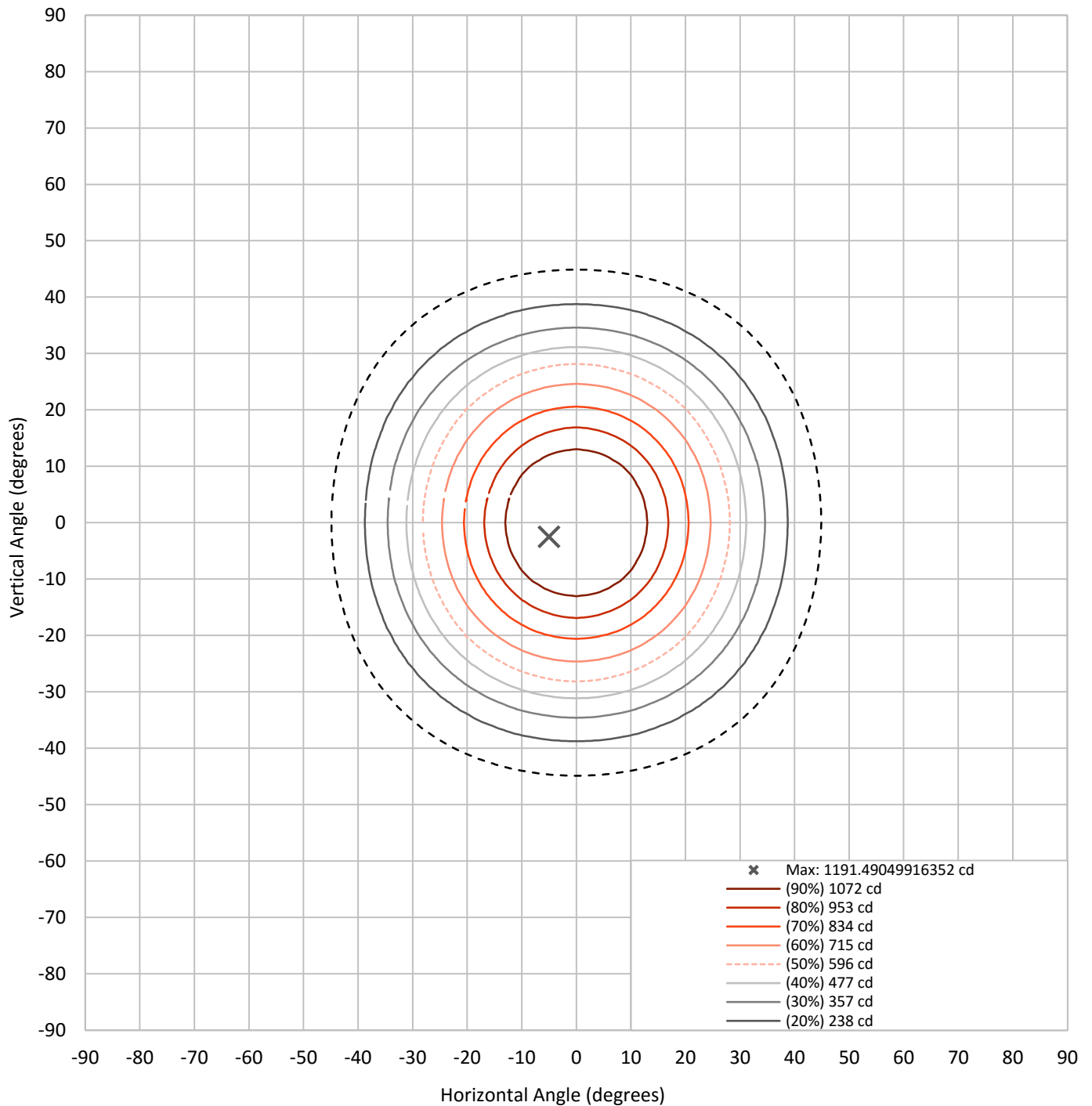
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	1055.8 lumens	Max Intensity:	1191.5 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	105.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	56.1°H x 55.5°V	Field Angle (10%):	89.7°H x 89.4°V
Beam Lumens:	653.1 lumens	Field Lumens:	985.8 lumens
Beam Efficiency:	61.9%	Field Efficiency:	93.4%

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



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-W-WT-L1-UNV

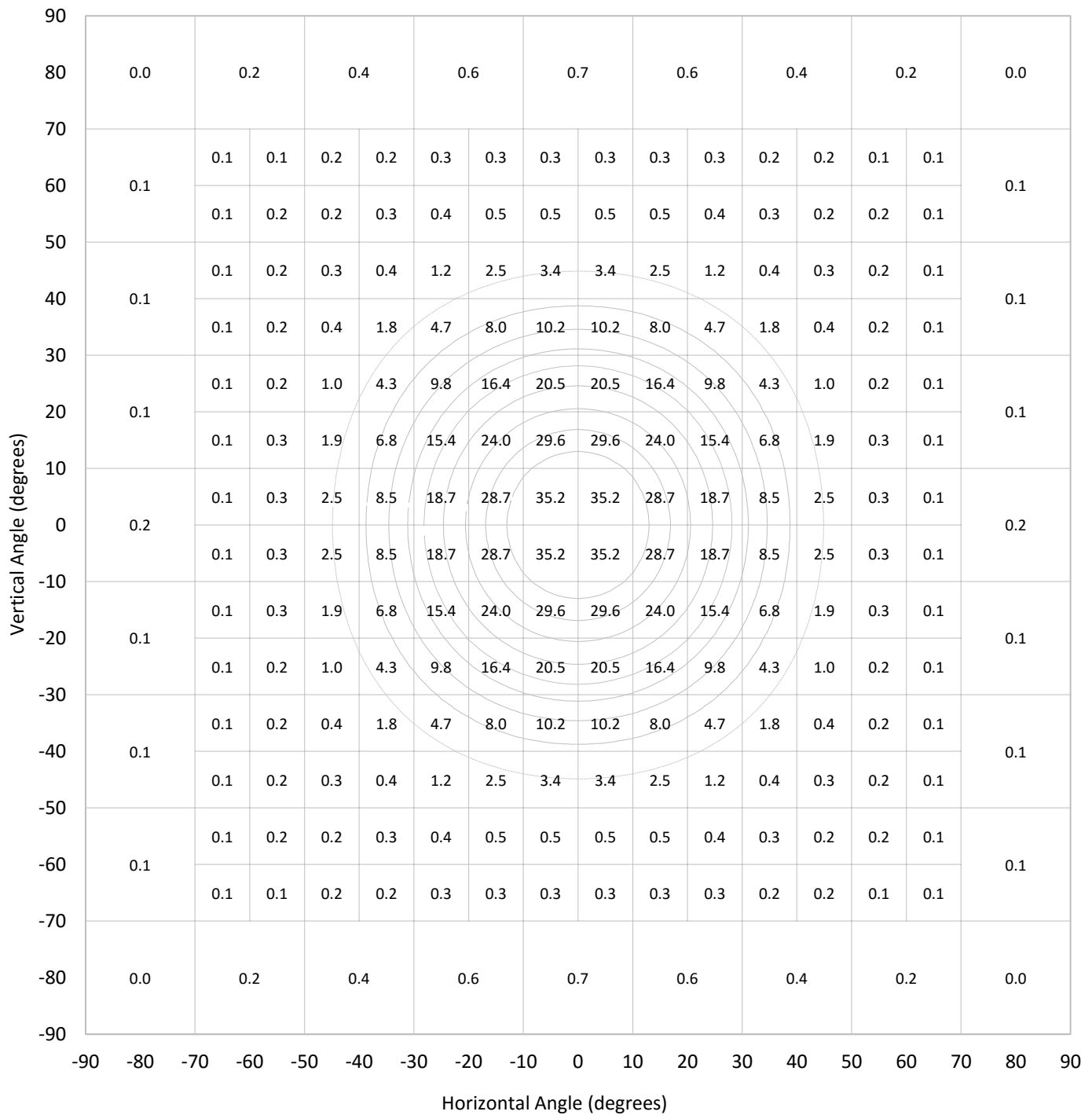
Iso-Candela Plot





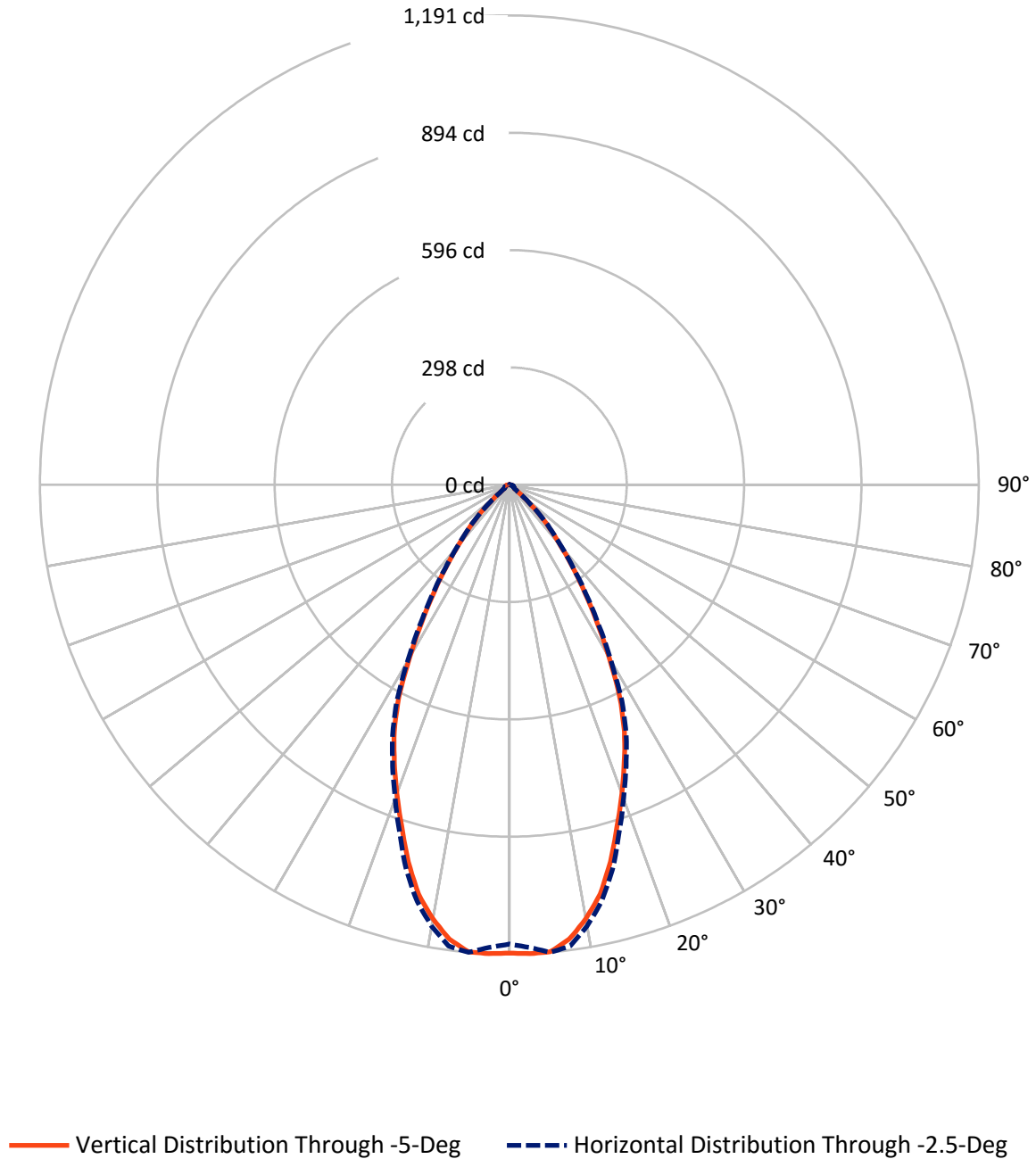
REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-W-WT-L1-UNV

Lumen Table



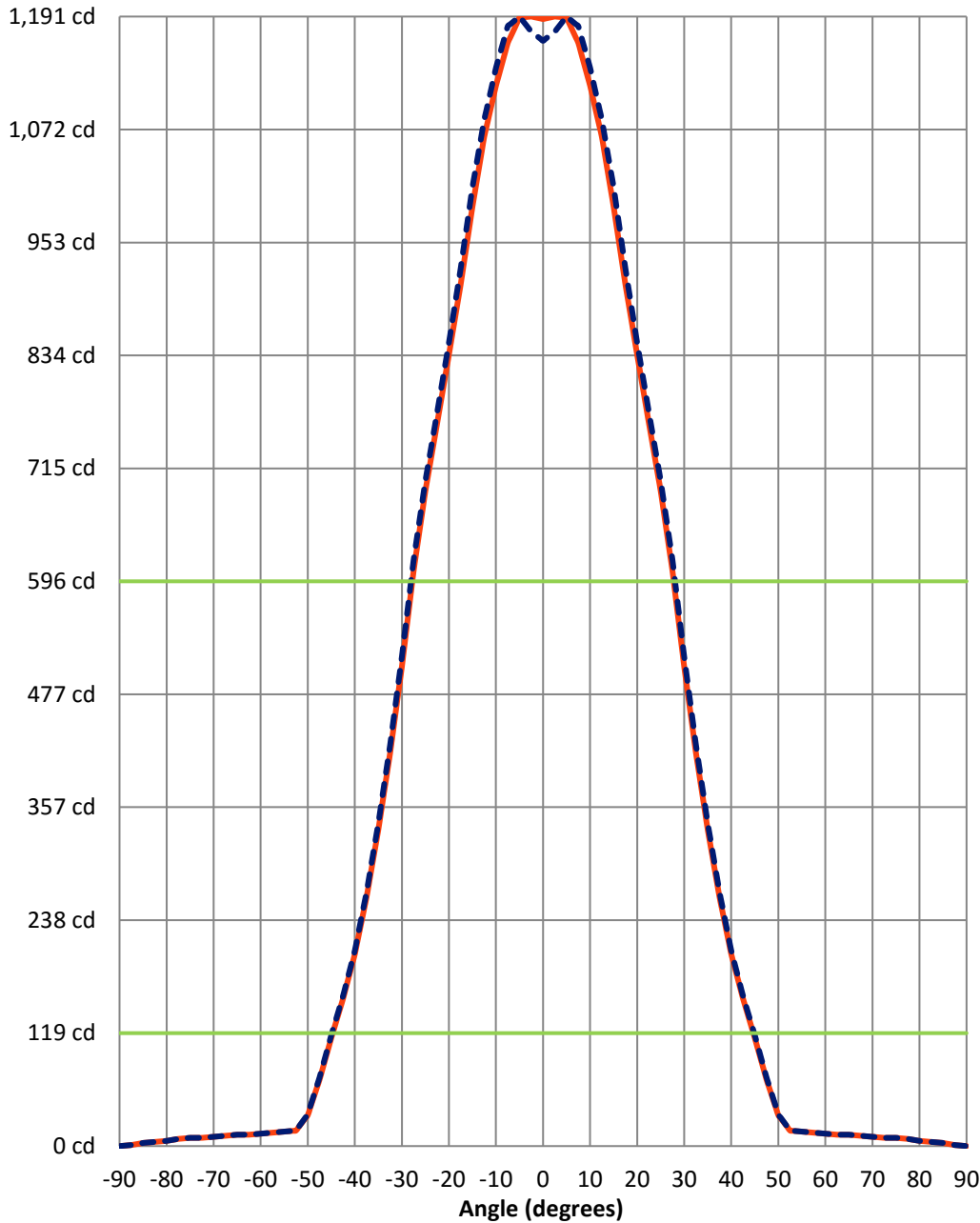
REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-W-WT-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-W-WT-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 56.1°
 V Angle: 55.5°
 Lumens: 653.1
 Efficiency: 61.9%

Field:
 H Angle: 89.7°
 V Angle: 89.4°
 Lumens: 985.8
 Efficiency: 93.4%

Spill:
 Lumens: 70
 Efficiency: 6.6%

- Vertical Distribution through -5-Deg
- - Horizontal Distribution through -2.5-Deg



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-W-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	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5
85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.9
82.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.4	1.7
80°	0.0	0.2	0.4	0.6	0.8	0.9	1.2	1.5	1.9	2.3	2.6
77.5°	0.0	0.2	0.5	0.7	0.9	1.3	1.7	2.2	2.6	3.1	3.4
75°	0.0	0.3	0.6	0.9	1.2	1.7	2.3	2.8	3.3	3.6	3.9
72.5°	0.0	0.3	0.7	1.0	1.5	2.2	2.8	3.4	3.7	4.0	4.3
70°	0.0	0.4	0.8	1.2	1.9	2.6	3.3	3.7	4.1	4.4	4.8
67.5°	0.0	0.4	0.8	1.4	2.3	3.1	3.6	4.0	4.4	4.8	5.2
65°	0.0	0.5	0.9	1.7	2.6	3.4	3.9	4.3	4.8	5.2	5.7
62.5°	0.0	0.5	1.0	1.9	2.9	3.6	4.1	4.6	5.1	5.6	6.6
60°	0.0	0.5	1.1	2.2	3.3	3.8	4.4	4.9	5.4	6.4	7.3
57.5°	0.0	0.6	1.3	2.4	3.5	4.0	4.6	5.2	6.0	7.1	7.9
55°	0.0	0.6	1.4	2.7	3.6	4.2	4.9	5.5	6.6	7.7	8.3
52.5°	0.0	0.7	1.6	2.9	3.8	4.4	5.1	6.0	7.2	8.0	8.7
50°	0.0	0.7	1.7	3.1	3.9	4.6	5.3	6.5	7.7	8.4	8.7
47.5°	0.0	0.7	1.9	3.3	4.1	4.8	5.6	6.9	8.0	8.7	8.7
45°	0.0	0.8	2.0	3.4	4.2	5.0	6.0	7.4	8.3	8.7	8.7
42.5°	0.0	0.8	2.1	3.5	4.3	5.1	6.3	7.7	8.5	8.7	9.0
40°	0.0	0.8	2.3	3.6	4.5	5.3	6.7	8.0	8.7	8.7	9.3
37.5°	0.0	0.9	2.4	3.7	4.6	5.5	7.1	8.2	8.7	8.8	9.6
35°	0.0	0.9	2.5	3.8	4.7	5.7	7.4	8.4	8.7	9.0	9.9
32.5°	0.0	0.9	2.6	3.9	4.8	5.9	7.6	8.6	8.7	9.3	10.2
30°	0.0	1.0	2.7	4.0	4.9	6.2	7.8	8.7	8.7	9.5	10.4
27.5°	0.0	1.0	2.8	4.0	5.0	6.4	7.9	8.7	8.8	9.7	10.7
25°	0.0	1.0	2.9	4.1	5.1	6.6	8.1	8.7	8.9	9.9	10.9
22.5°	0.0	1.0	3.0	4.1	5.2	6.8	8.2	8.7	9.1	10.1	11.1
20°	0.0	1.0	3.0	4.2	5.2	7.0	8.3	8.7	9.2	10.3	11.3
17.5°	0.0	1.0	3.1	4.2	5.3	7.1	8.4	8.7	9.4	10.4	11.5
15°	0.0	1.1	3.1	4.3	5.3	7.2	8.5	8.7	9.5	10.5	11.6
12.5°	0.0	1.1	3.2	4.3	5.4	7.3	8.5	8.7	9.6	10.7	11.7
10°	0.0	1.1	3.2	4.3	5.4	7.4	8.6	8.7	9.7	10.7	11.8
7.5°	0.0	1.1	3.3	4.4	5.5	7.5	8.6	8.7	9.7	10.8	11.9
5°	0.0	1.1	3.3	4.4	5.5	7.6	8.7	8.7	9.8	10.9	12.0
2.5°	0.0	1.1	3.3	4.4	5.5	7.6	8.7	8.7	9.8	10.9	12.0
0°	0.0	1.1	3.3	4.4	5.5	7.6	8.7	8.7	9.8	10.9	12.0
-2.5°	0.0	1.1	3.3	4.4	5.5	7.6	8.7	8.7	9.8	10.9	12.0
-5°	0.0	1.1	3.3	4.4	5.5	7.6	8.7	8.7	9.8	10.9	12.0
-7.5°	0.0	1.1	3.3	4.4	5.5	7.5	8.6	8.7	9.7	10.8	11.9
-10°	0.0	1.1	3.2	4.3	5.4	7.4	8.6	8.7	9.7	10.7	11.8
-12.5°	0.0	1.1	3.2	4.3	5.4	7.3	8.5	8.7	9.6	10.7	11.7
-15°	0.0	1.1	3.1	4.3	5.3	7.2	8.5	8.7	9.5	10.5	11.6
-17.5°	0.0	1.0	3.1	4.2	5.3	7.1	8.4	8.7	9.4	10.4	11.5
-20°	0.0	1.0	3.0	4.2	5.2	7.0	8.3	8.7	9.2	10.3	11.3



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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	1.0	3.0	4.1	5.2	6.8	8.2	8.7	9.1	10.1	11.1
-25°	0.0	1.0	2.9	4.1	5.1	6.6	8.1	8.7	8.9	9.9	10.9
-27.5°	0.0	1.0	2.8	4.0	5.0	6.4	7.9	8.7	8.8	9.7	10.7
-30°	0.0	1.0	2.7	4.0	4.9	6.2	7.8	8.7	8.7	9.5	10.4
-32.5°	0.0	0.9	2.6	3.9	4.8	5.9	7.6	8.6	8.7	9.3	10.2
-35°	0.0	0.9	2.5	3.8	4.7	5.7	7.4	8.4	8.7	9.0	9.9
-37.5°	0.0	0.9	2.4	3.7	4.6	5.5	7.1	8.2	8.7	8.8	9.6
-40°	0.0	0.8	2.3	3.6	4.5	5.3	6.7	8.0	8.7	8.7	9.3
-42.5°	0.0	0.8	2.1	3.5	4.3	5.1	6.3	7.7	8.5	8.7	9.0
-45°	0.0	0.8	2.0	3.4	4.2	5.0	6.0	7.4	8.3	8.7	8.7
-47.5°	0.0	0.7	1.9	3.3	4.1	4.8	5.6	6.9	8.0	8.7	8.7
-50°	0.0	0.7	1.7	3.1	3.9	4.6	5.3	6.5	7.7	8.4	8.7
-52.5°	0.0	0.7	1.6	2.9	3.8	4.4	5.1	6.0	7.2	8.0	8.7
-55°	0.0	0.6	1.4	2.7	3.6	4.2	4.9	5.5	6.6	7.7	8.3
-57.5°	0.0	0.6	1.3	2.4	3.5	4.0	4.6	5.2	6.0	7.1	7.9
-60°	0.0	0.5	1.1	2.2	3.3	3.8	4.4	4.9	5.4	6.4	7.3
-62.5°	0.0	0.5	1.0	1.9	2.9	3.6	4.1	4.6	5.1	5.6	6.6
-65°	0.0	0.5	0.9	1.7	2.6	3.4	3.9	4.3	4.8	5.2	5.7
-67.5°	0.0	0.4	0.8	1.4	2.3	3.1	3.6	4.0	4.4	4.8	5.2
-70°	0.0	0.4	0.8	1.2	1.9	2.6	3.3	3.7	4.1	4.4	4.8
-72.5°	0.0	0.3	0.7	1.0	1.5	2.2	2.8	3.4	3.7	4.0	4.3
-75°	0.0	0.3	0.6	0.9	1.2	1.7	2.3	2.8	3.3	3.6	3.9
-77.5°	0.0	0.2	0.5	0.7	0.9	1.3	1.7	2.2	2.6	3.1	3.4
-80°	0.0	0.2	0.4	0.6	0.8	0.9	1.2	1.5	1.9	2.3	2.6
-82.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.4	1.7
-85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.9
-87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.9
85°	1.0	1.1	1.3	1.4	1.6	1.7	1.9	2.0	2.1	2.3	2.4
82.5°	1.9	2.2	2.4	2.7	2.9	3.1	3.3	3.4	3.5	3.6	3.7
80°	2.9	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.3	4.5	4.6
77.5°	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.1	5.3	5.5
75°	4.1	4.4	4.6	4.9	5.1	5.3	5.6	6.0	6.3	6.7	7.1
72.5°	4.6	4.9	5.2	5.5	6.0	6.5	6.9	7.4	7.7	8.0	8.2
70°	5.1	5.4	6.0	6.6	7.2	7.7	8.0	8.3	8.5	8.7	8.7
67.5°	5.6	6.4	7.1	7.7	8.0	8.4	8.7	8.7	8.7	8.7	8.8
65°	6.6	7.3	7.9	8.3	8.7	8.7	8.7	8.7	9.0	9.3	9.6
62.5°	7.4	8.0	8.4	8.7	8.7	8.7	9.0	9.4	9.8	10.1	10.5
60°	8.0	8.5	8.7	8.7	8.8	9.2	9.7	10.1	10.5	10.9	11.3
57.5°	8.4	8.7	8.7	8.9	9.4	9.9	10.4	10.8	11.3	11.7	12.0
55°	8.7	8.7	8.9	9.5	10.0	10.5	11.0	11.5	12.0	12.0	12.0
52.5°	8.7	8.8	9.4	10.0	10.6	11.1	11.7	12.0	12.0	12.1	12.6
50°	8.7	9.2	9.9	10.5	11.1	11.7	12.0	12.0	12.3	12.9	13.4
47.5°	9.0	9.7	10.4	11.0	11.7	12.0	12.0	12.5	13.0	13.6	14.2
45°	9.4	10.1	10.8	11.5	12.0	12.0	12.5	13.1	13.7	14.3	14.9
42.5°	9.8	10.5	11.3	12.0	12.0	12.3	13.0	13.7	14.4	15.0	15.7
40°	10.1	10.9	11.7	12.0	12.1	12.9	13.6	14.3	15.0	15.7	16.4
37.5°	10.5	11.3	12.0	12.0	12.6	13.4	14.2	14.9	15.7	16.4	26.9
35°	10.8	11.6	12.0	12.2	13.1	13.9	14.7	15.5	16.2	25.9	42.2
32.5°	11.1	12.0	12.0	12.6	13.5	14.3	15.2	16.0	23.0	37.7	65.2
30°	11.4	12.0	12.1	13.0	13.9	14.8	15.7	18.2	31.6	58.3	89.2
27.5°	11.6	12.0	12.4	13.4	14.3	15.2	16.1	25.8	47.0	78.5	113.0
25°	11.9	12.0	12.7	13.7	14.6	15.6	18.2	32.8	64.1	99.4	134.1
22.5°	12.0	12.0	13.0	14.0	15.0	15.9	24.2	46.2	80.9	118.7	153.3
20°	12.0	12.2	13.2	14.3	15.3	16.2	29.7	59.6	97.4	135.2	172.9
17.5°	12.0	12.4	13.5	14.5	15.5	18.6	35.6	71.6	112.2	150.0	191.4
15°	12.0	12.6	13.7	14.7	15.7	22.5	45.4	83.5	124.7	163.7	208.0
12.5°	12.0	12.8	13.8	14.9	15.9	25.9	53.7	93.8	135.1	176.8	226.4
10°	12.0	12.9	14.0	15.0	16.1	28.7	60.6	102.4	143.8	187.7	241.8
7.5°	12.0	13.0	14.1	15.1	16.2	30.9	66.1	109.2	150.6	196.3	253.9
5°	12.0	13.0	14.1	15.2	16.3	32.5	70.0	114.0	155.5	202.4	262.6
2.5°	12.0	13.1	14.2	15.3	16.4	33.5	72.3	116.9	158.4	206.2	267.9
0°	12.0	13.1	14.2	15.3	16.4	33.8	73.1	117.9	159.4	207.4	269.7
-2.5°	12.0	13.1	14.2	15.3	16.4	33.8	73.1	117.9	159.4	207.4	269.7
-5°	12.0	13.0	14.1	15.2	16.3	32.5	70.0	114.0	155.5	202.4	262.6
-7.5°	12.0	13.0	14.1	15.1	16.2	30.9	66.1	109.2	150.6	196.3	253.9
-10°	12.0	12.9	14.0	15.0	16.1	28.7	60.6	102.4	143.8	187.7	241.8
-12.5°	12.0	12.8	13.8	14.9	15.9	25.9	53.7	93.8	135.1	176.8	226.4
-15°	12.0	12.6	13.7	14.7	15.7	22.5	45.4	83.5	124.7	163.7	208.0
-17.5°	12.0	12.4	13.5	14.5	15.5	18.6	35.6	71.6	112.2	150.0	191.4
-20°	12.0	12.2	13.2	14.3	15.3	16.2	29.7	59.6	97.4	135.2	172.9



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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°	12.0	12.0	13.0	14.0	15.0	15.9	24.2	46.2	80.9	118.7	153.3
-25°	11.9	12.0	12.7	13.7	14.6	15.6	18.2	32.8	64.1	99.4	134.1
-27.5°	11.6	12.0	12.4	13.4	14.3	15.2	16.1	25.8	47.0	78.5	113.0
-30°	11.4	12.0	12.1	13.0	13.9	14.8	15.7	18.2	31.6	58.3	89.2
-32.5°	11.1	12.0	12.0	12.6	13.5	14.3	15.2	16.0	23.0	37.7	65.2
-35°	10.8	11.6	12.0	12.2	13.1	13.9	14.7	15.5	16.2	25.9	42.2
-37.5°	10.5	11.3	12.0	12.0	12.6	13.4	14.2	14.9	15.7	16.4	26.9
-40°	10.1	10.9	11.7	12.0	12.1	12.9	13.6	14.3	15.0	15.7	16.4
-42.5°	9.8	10.5	11.3	12.0	12.0	12.3	13.0	13.7	14.4	15.0	15.7
-45°	9.4	10.1	10.8	11.5	12.0	12.0	12.5	13.1	13.7	14.3	14.9
-47.5°	9.0	9.7	10.4	11.0	11.7	12.0	12.0	12.5	13.0	13.6	14.2
-50°	8.7	9.2	9.9	10.5	11.1	11.7	12.0	12.0	12.3	12.9	13.4
-52.5°	8.7	8.8	9.4	10.0	10.6	11.1	11.7	12.0	12.0	12.1	12.6
-55°	8.7	8.7	8.9	9.5	10.0	10.5	11.0	11.5	12.0	12.0	12.0
-57.5°	8.4	8.7	8.7	8.9	9.4	9.9	10.4	10.8	11.3	11.7	12.0
-60°	8.0	8.5	8.7	8.7	8.8	9.2	9.7	10.1	10.5	10.9	11.3
-62.5°	7.4	8.0	8.4	8.7	8.7	8.7	9.0	9.4	9.8	10.1	10.5
-65°	6.6	7.3	7.9	8.3	8.7	8.7	8.7	8.7	9.0	9.3	9.6
-67.5°	5.6	6.4	7.1	7.7	8.0	8.4	8.7	8.7	8.7	8.7	8.8
-70°	5.1	5.4	6.0	6.6	7.2	7.7	8.0	8.3	8.5	8.7	8.7
-72.5°	4.6	4.9	5.2	5.5	6.0	6.5	6.9	7.4	7.7	8.0	8.2
-75°	4.1	4.4	4.6	4.9	5.1	5.3	5.6	6.0	6.3	6.7	7.1
-77.5°	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.1	5.3	5.5
-80°	2.9	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.3	4.5	4.6
-82.5°	1.9	2.2	2.4	2.7	2.9	3.1	3.3	3.4	3.5	3.6	3.7
-85°	1.0	1.1	1.3	1.4	1.6	1.7	1.9	2.0	2.1	2.3	2.4
-87.5°	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1
85°	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.1	3.2	3.2
82.5°	3.8	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.3
80°	4.7	4.8	4.9	5.0	5.1	5.2	5.2	5.3	5.3	5.4	5.4
77.5°	5.7	5.9	6.2	6.4	6.6	6.8	7.0	7.1	7.2	7.3	7.4
75°	7.4	7.6	7.8	7.9	8.1	8.2	8.3	8.4	8.5	8.5	8.6
72.5°	8.4	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
70°	8.7	8.7	8.7	8.8	8.9	9.1	9.2	9.4	9.5	9.6	9.7
67.5°	9.0	9.3	9.5	9.7	9.9	10.1	10.3	10.4	10.5	10.7	10.7
65°	9.9	10.2	10.4	10.7	10.9	11.1	11.3	11.5	11.6	11.7	11.8
62.5°	10.8	11.1	11.4	11.6	11.9	12.0	12.0	12.0	12.0	12.0	12.0
60°	11.6	12.0	12.0	12.0	12.0	12.0	12.2	12.4	12.6	12.8	12.9
57.5°	12.0	12.0	12.1	12.4	12.7	13.0	13.2	13.5	13.7	13.8	14.0
55°	12.2	12.6	13.0	13.4	13.7	14.0	14.3	14.5	14.7	14.9	15.0
52.5°	13.1	13.5	13.9	14.3	14.6	15.0	15.3	15.5	15.7	15.9	16.1
50°	13.9	14.3	14.8	15.2	15.6	15.9	16.2	18.6	22.5	25.9	28.7
47.5°	14.7	15.2	15.7	16.1	18.2	24.2	29.7	35.6	45.4	53.7	60.6
45°	15.5	16.0	18.2	25.8	32.8	46.2	59.6	71.6	83.5	93.8	102.4
42.5°	16.2	23.0	31.6	47.0	64.1	80.9	97.4	112.2	124.7	135.1	143.8
40°	25.9	37.7	58.3	78.5	99.4	118.7	135.2	150.0	163.7	176.8	187.7
37.5°	42.2	65.2	89.2	113.0	134.1	153.3	172.9	191.4	208.0	226.4	241.8
35°	67.5	94.6	121.0	144.5	167.8	191.7	215.7	241.6	264.8	287.4	307.0
32.5°	94.6	123.6	149.8	177.2	204.5	237.0	267.8	300.3	329.7	357.0	381.3
30°	121.0	149.8	180.3	212.1	250.0	288.4	327.3	365.5	401.7	434.3	464.3
27.5°	144.5	177.2	212.1	254.4	299.1	343.9	391.3	436.1	480.6	519.5	554.0
25°	167.8	204.5	250.0	299.1	350.3	404.5	459.3	512.6	563.3	612.2	647.4
22.5°	191.7	237.0	288.4	343.9	404.5	467.1	529.4	593.8	646.8	687.5	719.5
20°	215.7	267.8	327.3	391.3	459.3	529.4	604.0	663.3	710.8	750.4	784.7
17.5°	241.6	300.3	365.5	436.1	512.6	593.8	663.3	718.4	766.2	811.2	849.4
15°	264.8	329.7	401.7	480.6	563.3	646.8	710.8	766.2	820.4	868.9	916.1
12.5°	287.4	357.0	434.3	519.5	612.2	687.5	750.4	811.2	868.9	928.2	985.2
10°	307.0	381.3	464.3	554.0	647.4	719.5	784.7	849.4	916.1	985.2	1046.8
7.5°	322.5	400.5	488.2	584.6	673.6	744.5	813.8	882.3	958.1	1032.9	1089.0
5°	333.7	414.5	505.6	606.8	691.1	762.5	834.8	909.0	990.9	1064.7	1118.6
2.5°	340.5	423.0	516.2	618.4	701.7	774.0	847.4	926.0	1011.5	1082.6	1137.5
0°	342.8	425.8	519.7	622.3	705.3	777.9	851.6	931.8	1018.6	1088.5	1144.1
-2.5°	340.5	423.0	516.2	618.4	701.7	774.0	847.4	926.0	1011.5	1082.6	1137.5
-5°	333.7	414.5	505.6	606.8	691.1	762.5	834.8	909.0	990.9	1064.7	1118.6
-7.5°	322.5	400.5	488.2	584.6	673.6	744.5	813.8	882.3	958.1	1032.9	1089.0
-10°	307.0	381.3	464.3	554.0	647.4	719.5	784.7	849.4	916.1	985.2	1046.8
-12.5°	287.4	357.0	434.3	519.5	612.2	687.5	750.4	811.2	868.9	928.2	985.2
-15°	264.8	329.7	401.7	480.6	563.3	646.8	710.8	766.2	820.4	868.9	916.1
-17.5°	241.6	300.3	365.5	436.1	512.6	593.8	663.3	718.4	766.2	811.2	849.4
-20°	215.7	267.8	327.3	391.3	459.3	529.4	604.0	663.3	710.8	750.4	784.7



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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°	191.7	237.0	288.4	343.9	404.5	467.1	529.4	593.8	646.8	687.5	719.5
-25°	167.8	204.5	250.0	299.1	350.3	404.5	459.3	512.6	563.3	612.2	647.4
-27.5°	144.5	177.2	212.1	254.4	299.1	343.9	391.3	436.1	480.6	519.5	554.0
-30°	121.0	149.8	180.3	212.1	250.0	288.4	327.3	365.5	401.7	434.3	464.3
-32.5°	94.6	123.6	149.8	177.2	204.5	237.0	267.8	300.3	329.7	357.0	381.3
-35°	67.5	94.6	121.0	144.5	167.8	191.7	215.7	241.6	264.8	287.4	307.0
-37.5°	42.2	65.2	89.2	113.0	134.1	153.3	172.9	191.4	208.0	226.4	241.8
-40°	25.9	37.7	58.3	78.5	99.4	118.7	135.2	150.0	163.7	176.8	187.7
-42.5°	16.2	23.0	31.6	47.0	64.1	80.9	97.4	112.2	124.7	135.1	143.8
-45°	15.5	16.0	18.2	25.8	32.8	46.2	59.6	71.6	83.5	93.8	102.4
-47.5°	14.7	15.2	15.7	16.1	18.2	24.2	29.7	35.6	45.4	53.7	60.6
-50°	13.9	14.3	14.8	15.2	15.6	15.9	16.2	18.6	22.5	25.9	28.7
-52.5°	13.1	13.5	13.9	14.3	14.6	15.0	15.3	15.5	15.7	15.9	16.1
-55°	12.2	12.6	13.0	13.4	13.7	14.0	14.3	14.5	14.7	14.9	15.0
-57.5°	12.0	12.0	12.1	12.4	12.7	13.0	13.2	13.5	13.7	13.8	14.0
-60°	11.6	12.0	12.0	12.0	12.0	12.0	12.2	12.4	12.6	12.8	12.9
-62.5°	10.8	11.1	11.4	11.6	11.9	12.0	12.0	12.0	12.0	12.0	12.0
-65°	9.9	10.2	10.4	10.7	10.9	11.1	11.3	11.5	11.6	11.7	11.8
-67.5°	9.0	9.3	9.5	9.7	9.9	10.1	10.3	10.4	10.5	10.7	10.7
-70°	8.7	8.7	8.7	8.8	8.9	9.1	9.2	9.4	9.5	9.6	9.7
-72.5°	8.4	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
-75°	7.4	7.6	7.8	7.9	8.1	8.2	8.3	8.4	8.5	8.5	8.6
-77.5°	5.7	5.9	6.2	6.4	6.6	6.8	7.0	7.1	7.2	7.3	7.4
-80°	4.7	4.8	4.9	5.0	5.1	5.2	5.2	5.3	5.3	5.4	5.4
-82.5°	3.8	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.3
-85°	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.1	3.2	3.2
-87.5°	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1
82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.2
80°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.3	5.3
77.5°	7.5	7.6	7.6	7.6	7.6	7.6	7.5	7.4	7.3	7.2	7.1
75°	8.6	8.7	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.4
72.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
70°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.7	9.6	9.5	9.4
67.5°	10.8	10.9	10.9	10.9	10.9	10.9	10.8	10.7	10.7	10.5	10.4
65°	11.9	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.7	11.6	11.5
62.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
60°	13.0	13.0	13.1	13.1	13.1	13.0	13.0	12.9	12.8	12.6	12.4
57.5°	14.1	14.1	14.2	14.2	14.2	14.1	14.1	14.0	13.8	13.7	13.5
55°	15.1	15.2	15.3	15.3	15.3	15.2	15.1	15.0	14.9	14.7	14.5
52.5°	16.2	16.3	16.4	16.4	16.4	16.3	16.2	16.1	15.9	15.7	15.5
50°	30.9	32.5	33.5	33.8	33.5	32.5	30.9	28.7	25.9	22.5	18.6
47.5°	66.1	70.0	72.3	73.1	72.3	70.0	66.1	60.6	53.7	45.4	35.6
45°	109.2	114.0	116.9	117.9	116.9	114.0	109.2	102.4	93.8	83.5	71.6
42.5°	150.6	155.5	158.4	159.4	158.4	155.5	150.6	143.8	135.1	124.7	112.2
40°	196.3	202.4	206.2	207.4	206.2	202.4	196.3	187.7	176.8	163.7	150.0
37.5°	253.9	262.6	267.9	269.7	267.9	262.6	253.9	241.8	226.4	208.0	191.4
35°	322.5	333.7	340.5	342.8	340.5	333.7	322.5	307.0	287.4	264.8	241.6
32.5°	400.5	414.5	423.0	425.8	423.0	414.5	400.5	381.3	357.0	329.7	300.3
30°	488.2	505.6	516.2	519.7	516.2	505.6	488.2	464.3	434.3	401.7	365.5
27.5°	584.6	606.8	618.4	622.3	618.4	606.8	584.6	554.0	519.5	480.6	436.1
25°	673.6	691.1	701.7	705.3	701.7	691.1	673.6	647.4	612.2	563.3	512.6
22.5°	744.5	762.5	774.0	777.9	774.0	762.5	744.5	719.5	687.5	646.8	593.8
20°	813.8	834.8	847.4	851.6	847.4	834.8	813.8	784.7	750.4	710.8	663.3
17.5°	882.3	909.0	926.0	931.8	926.0	909.0	882.3	849.4	811.2	766.2	718.4
15°	958.1	990.9	1011.5	1018.6	1011.5	990.9	958.1	916.1	868.9	820.4	766.2
12.5°	1032.9	1064.7	1082.6	1088.5	1082.6	1064.7	1032.9	985.2	928.2	868.9	811.2
10°	1089.0	1118.6	1137.5	1144.1	1137.5	1118.6	1089.0	1046.8	985.2	916.1	849.4
7.5°	1131.2	1163.7	1181.3	1185.7	1181.3	1163.7	1131.2	1089.0	1032.9	958.1	882.3
5°	1163.7	1190.4	1191.5	1188.9	1191.5	1190.4	1163.7	1118.6	1064.7	990.9	909.0
2.5°	1181.3	1191.5	1175.6	1166.0	1175.6	1191.5	1181.3	1137.5	1082.6	1011.5	926.0
0°	1185.7	1188.9	1166.0	1162.7	1166.0	1188.9	1185.7	1144.1	1088.5	1018.6	931.8
-2.5°	1181.3	1191.5	1175.6	1166.0	1175.6	1191.5	1181.3	1137.5	1082.6	1011.5	926.0
-5°	1163.7	1190.4	1191.5	1188.9	1191.5	1190.4	1163.7	1118.6	1064.7	990.9	909.0
-7.5°	1131.2	1163.7	1181.3	1185.7	1181.3	1163.7	1131.2	1089.0	1032.9	958.1	882.3
-10°	1089.0	1118.6	1137.5	1144.1	1137.5	1118.6	1089.0	1046.8	985.2	916.1	849.4
-12.5°	1032.9	1064.7	1082.6	1088.5	1082.6	1064.7	1032.9	985.2	928.2	868.9	811.2
-15°	958.1	990.9	1011.5	1018.6	1011.5	990.9	958.1	916.1	868.9	820.4	766.2
-17.5°	882.3	909.0	926.0	931.8	926.0	909.0	882.3	849.4	811.2	766.2	718.4
-20°	813.8	834.8	847.4	851.6	847.4	834.8	813.8	784.7	750.4	710.8	663.3



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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°	744.5	762.5	774.0	777.9	774.0	762.5	744.5	719.5	687.5	646.8	593.8
-25°	673.6	691.1	701.7	705.3	701.7	691.1	673.6	647.4	612.2	563.3	512.6
-27.5°	584.6	606.8	618.4	622.3	618.4	606.8	584.6	554.0	519.5	480.6	436.1
-30°	488.2	505.6	516.2	519.7	516.2	505.6	488.2	464.3	434.3	401.7	365.5
-32.5°	400.5	414.5	423.0	425.8	423.0	414.5	400.5	381.3	357.0	329.7	300.3
-35°	322.5	333.7	340.5	342.8	340.5	333.7	322.5	307.0	287.4	264.8	241.6
-37.5°	253.9	262.6	267.9	269.7	267.9	262.6	253.9	241.8	226.4	208.0	191.4
-40°	196.3	202.4	206.2	207.4	206.2	202.4	196.3	187.7	176.8	163.7	150.0
-42.5°	150.6	155.5	158.4	159.4	158.4	155.5	150.6	143.8	135.1	124.7	112.2
-45°	109.2	114.0	116.9	117.9	116.9	114.0	109.2	102.4	93.8	83.5	71.6
-47.5°	66.1	70.0	72.3	73.1	72.3	70.0	66.1	60.6	53.7	45.4	35.6
-50°	30.9	32.5	33.5	33.8	33.5	32.5	30.9	28.7	25.9	22.5	18.6
-52.5°	16.2	16.3	16.4	16.4	16.4	16.3	16.2	16.1	15.9	15.7	15.5
-55°	15.1	15.2	15.3	15.3	15.3	15.2	15.1	15.0	14.9	14.7	14.5
-57.5°	14.1	14.1	14.2	14.2	14.2	14.1	14.1	14.0	13.8	13.7	13.5
-60°	13.0	13.0	13.1	13.1	13.1	13.0	13.0	12.9	12.8	12.6	12.4
-62.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
-65°	11.9	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.7	11.6	11.5
-67.5°	10.8	10.9	10.9	10.9	10.9	10.9	10.8	10.7	10.7	10.5	10.4
-70°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.7	9.6	9.5	9.4
-72.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
-75°	8.6	8.7	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.4
-77.5°	7.5	7.6	7.6	7.6	7.6	7.6	7.5	7.4	7.3	7.2	7.1
-80°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.3	5.3
-82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.2
-85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1
-87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8
85°	3.0	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	2.0
82.5°	4.2	4.1	4.1	4.0	4.0	3.9	3.8	3.7	3.6	3.5	3.4
80°	5.2	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.3	4.2
77.5°	7.0	6.8	6.6	6.4	6.2	5.9	5.7	5.5	5.3	5.1	5.0
75°	8.3	8.2	8.1	7.9	7.8	7.6	7.4	7.1	6.7	6.3	6.0
72.5°	8.7	8.7	8.7	8.7	8.7	8.6	8.4	8.2	8.0	7.7	7.4
70°	9.2	9.1	8.9	8.8	8.7	8.7	8.7	8.7	8.7	8.5	8.3
67.5°	10.3	10.1	9.9	9.7	9.5	9.3	9.0	8.8	8.7	8.7	8.7
65°	11.3	11.1	10.9	10.7	10.4	10.2	9.9	9.6	9.3	9.0	8.7
62.5°	12.0	12.0	11.9	11.6	11.4	11.1	10.8	10.5	10.1	9.8	9.4
60°	12.2	12.0	12.0	12.0	12.0	12.0	11.6	11.3	10.9	10.5	10.1
57.5°	13.2	13.0	12.7	12.4	12.1	12.0	12.0	12.0	11.7	11.3	10.8
55°	14.3	14.0	13.7	13.4	13.0	12.6	12.2	12.0	12.0	12.0	11.5
52.5°	15.3	15.0	14.6	14.3	13.9	13.5	13.1	12.6	12.1	12.0	12.0
50°	16.2	15.9	15.6	15.2	14.8	14.3	13.9	13.4	12.9	12.3	12.0
47.5°	29.7	24.2	18.2	16.1	15.7	15.2	14.7	14.2	13.6	13.0	12.5
45°	59.6	46.2	32.8	25.8	18.2	16.0	15.5	14.9	14.3	13.7	13.1
42.5°	97.4	80.9	64.1	47.0	31.6	23.0	16.2	15.7	15.0	14.4	13.7
40°	135.2	118.7	99.4	78.5	58.3	37.7	25.9	16.4	15.7	15.0	14.3
37.5°	172.9	153.3	134.1	113.0	89.2	65.2	42.2	26.9	16.4	15.7	14.9
35°	215.7	191.7	167.8	144.5	121.0	94.6	67.5	42.2	25.9	16.2	15.5
32.5°	267.8	237.0	204.5	177.2	149.8	123.6	94.6	65.2	37.7	23.0	16.0
30°	327.3	288.4	250.0	212.1	180.3	149.8	121.0	89.2	58.3	31.6	18.2
27.5°	391.3	343.9	299.1	254.4	212.1	177.2	144.5	113.0	78.5	47.0	25.8
25°	459.3	404.5	350.3	299.1	250.0	204.5	167.8	134.1	99.4	64.1	32.8
22.5°	529.4	467.1	404.5	343.9	288.4	237.0	191.7	153.3	118.7	80.9	46.2
20°	604.0	529.4	459.3	391.3	327.3	267.8	215.7	172.9	135.2	97.4	59.6
17.5°	663.3	593.8	512.6	436.1	365.5	300.3	241.6	191.4	150.0	112.2	71.6
15°	710.8	646.8	563.3	480.6	401.7	329.7	264.8	208.0	163.7	124.7	83.5
12.5°	750.4	687.5	612.2	519.5	434.3	357.0	287.4	226.4	176.8	135.1	93.8
10°	784.7	719.5	647.4	554.0	464.3	381.3	307.0	241.8	187.7	143.8	102.4
7.5°	813.8	744.5	673.6	584.6	488.2	400.5	322.5	253.9	196.3	150.6	109.2
5°	834.8	762.5	691.1	606.8	505.6	414.5	333.7	262.6	202.4	155.5	114.0
2.5°	847.4	774.0	701.7	618.4	516.2	423.0	340.5	267.9	206.2	158.4	116.9
0°	851.6	777.9	705.3	622.3	519.7	425.8	342.8	269.7	207.4	159.4	117.9
-2.5°	847.4	774.0	701.7	618.4	516.2	423.0	340.5	267.9	206.2	158.4	116.9
-5°	834.8	762.5	691.1	606.8	505.6	414.5	333.7	262.6	202.4	155.5	114.0
-7.5°	813.8	744.5	673.6	584.6	488.2	400.5	322.5	253.9	196.3	150.6	109.2
-10°	784.7	719.5	647.4	554.0	464.3	381.3	307.0	241.8	187.7	143.8	102.4
-12.5°	750.4	687.5	612.2	519.5	434.3	357.0	287.4	226.4	176.8	135.1	93.8
-15°	710.8	646.8	563.3	480.6	401.7	329.7	264.8	208.0	163.7	124.7	83.5
-17.5°	663.3	593.8	512.6	436.1	365.5	300.3	241.6	191.4	150.0	112.2	71.6
-20°	604.0	529.4	459.3	391.3	327.3	267.8	215.7	172.9	135.2	97.4	59.6



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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°	529.4	467.1	404.5	343.9	288.4	237.0	191.7	153.3	118.7	80.9	46.2
-25°	459.3	404.5	350.3	299.1	250.0	204.5	167.8	134.1	99.4	64.1	32.8
-27.5°	391.3	343.9	299.1	254.4	212.1	177.2	144.5	113.0	78.5	47.0	25.8
-30°	327.3	288.4	250.0	212.1	180.3	149.8	121.0	89.2	58.3	31.6	18.2
-32.5°	267.8	237.0	204.5	177.2	149.8	123.6	94.6	65.2	37.7	23.0	16.0
-35°	215.7	191.7	167.8	144.5	121.0	94.6	67.5	42.2	25.9	16.2	15.5
-37.5°	172.9	153.3	134.1	113.0	89.2	65.2	42.2	26.9	16.4	15.7	14.9
-40°	135.2	118.7	99.4	78.5	58.3	37.7	25.9	16.4	15.7	15.0	14.3
-42.5°	97.4	80.9	64.1	47.0	31.6	23.0	16.2	15.7	15.0	14.4	13.7
-45°	59.6	46.2	32.8	25.8	18.2	16.0	15.5	14.9	14.3	13.7	13.1
-47.5°	29.7	24.2	18.2	16.1	15.7	15.2	14.7	14.2	13.6	13.0	12.5
-50°	16.2	15.9	15.6	15.2	14.8	14.3	13.9	13.4	12.9	12.3	12.0
-52.5°	15.3	15.0	14.6	14.3	13.9	13.5	13.1	12.6	12.1	12.0	12.0
-55°	14.3	14.0	13.7	13.4	13.0	12.6	12.2	12.0	12.0	12.0	11.5
-57.5°	13.2	13.0	12.7	12.4	12.1	12.0	12.0	12.0	11.7	11.3	10.8
-60°	12.2	12.0	12.0	12.0	12.0	12.0	11.6	11.3	10.9	10.5	10.1
-62.5°	12.0	12.0	11.9	11.6	11.4	11.1	10.8	10.5	10.1	9.8	9.4
-65°	11.3	11.1	10.9	10.7	10.4	10.2	9.9	9.6	9.3	9.0	8.7
-67.5°	10.3	10.1	9.9	9.7	9.5	9.3	9.0	8.8	8.7	8.7	8.7
-70°	9.2	9.1	8.9	8.8	8.7	8.7	8.7	8.7	8.7	8.5	8.3
-72.5°	8.7	8.7	8.7	8.7	8.7	8.6	8.4	8.2	8.0	7.7	7.4
-75°	8.3	8.2	8.1	7.9	7.8	7.6	7.4	7.1	6.7	6.3	6.0
-77.5°	7.0	6.8	6.6	6.4	6.2	5.9	5.7	5.5	5.3	5.1	5.0
-80°	5.2	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.3	4.2
-82.5°	4.2	4.1	4.1	4.0	4.0	3.9	3.8	3.7	3.6	3.5	3.4
-85°	3.0	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	2.0
-87.5°	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3
85°	1.9	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.8	0.8	0.7
82.5°	3.3	3.1	2.9	2.7	2.4	2.2	1.9	1.7	1.4	1.2	1.0
80°	4.1	3.9	3.8	3.6	3.5	3.3	2.9	2.6	2.3	1.9	1.5
77.5°	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.1	2.6	2.2
75°	5.6	5.3	5.1	4.9	4.6	4.4	4.1	3.9	3.6	3.3	2.8
72.5°	6.9	6.5	6.0	5.5	5.2	4.9	4.6	4.3	4.0	3.7	3.4
70°	8.0	7.7	7.2	6.6	6.0	5.4	5.1	4.8	4.4	4.1	3.7
67.5°	8.7	8.4	8.0	7.7	7.1	6.4	5.6	5.2	4.8	4.4	4.0
65°	8.7	8.7	8.7	8.3	7.9	7.3	6.6	5.7	5.2	4.8	4.3
62.5°	9.0	8.7	8.7	8.7	8.4	8.0	7.4	6.6	5.6	5.1	4.6
60°	9.7	9.2	8.8	8.7	8.7	8.5	8.0	7.3	6.4	5.4	4.9
57.5°	10.4	9.9	9.4	8.9	8.7	8.7	8.4	7.9	7.1	6.0	5.2
55°	11.0	10.5	10.0	9.5	8.9	8.7	8.7	8.3	7.7	6.6	5.5
52.5°	11.7	11.1	10.6	10.0	9.4	8.8	8.7	8.7	8.0	7.2	6.0
50°	12.0	11.7	11.1	10.5	9.9	9.2	8.7	8.7	8.4	7.7	6.5
47.5°	12.0	12.0	11.7	11.0	10.4	9.7	9.0	8.7	8.7	8.0	6.9
45°	12.5	12.0	12.0	11.5	10.8	10.1	9.4	8.7	8.7	8.3	7.4
42.5°	13.0	12.3	12.0	12.0	11.3	10.5	9.8	9.0	8.7	8.5	7.7
40°	13.6	12.9	12.1	12.0	11.7	10.9	10.1	9.3	8.7	8.7	8.0
37.5°	14.2	13.4	12.6	12.0	12.0	11.3	10.5	9.6	8.8	8.7	8.2
35°	14.7	13.9	13.1	12.2	12.0	11.6	10.8	9.9	9.0	8.7	8.4
32.5°	15.2	14.3	13.5	12.6	12.0	12.0	11.1	10.2	9.3	8.7	8.6
30°	15.7	14.8	13.9	13.0	12.1	12.0	11.4	10.4	9.5	8.7	8.7
27.5°	16.1	15.2	14.3	13.4	12.4	12.0	11.6	10.7	9.7	8.8	8.7
25°	18.2	15.6	14.6	13.7	12.7	12.0	11.9	10.9	9.9	8.9	8.7
22.5°	24.2	15.9	15.0	14.0	13.0	12.0	12.0	11.1	10.1	9.1	8.7
20°	29.7	16.2	15.3	14.3	13.2	12.2	12.0	11.3	10.3	9.2	8.7
17.5°	35.6	18.6	15.5	14.5	13.5	12.4	12.0	11.5	10.4	9.4	8.7
15°	45.4	22.5	15.7	14.7	13.7	12.6	12.0	11.6	10.5	9.5	8.7
12.5°	53.7	25.9	15.9	14.9	13.8	12.8	12.0	11.7	10.7	9.6	8.7
10°	60.6	28.7	16.1	15.0	14.0	12.9	12.0	11.8	10.7	9.7	8.7
7.5°	66.1	30.9	16.2	15.1	14.1	13.0	12.0	11.9	10.8	9.7	8.7
5°	70.0	32.5	16.3	15.2	14.1	13.0	12.0	12.0	10.9	9.8	8.7
2.5°	72.3	33.5	16.4	15.3	14.2	13.1	12.0	12.0	10.9	9.8	8.7
0°	73.1	33.8	16.4	15.3	14.2	13.1	12.0	12.0	10.9	9.8	8.7
-2.5°	72.3	33.5	16.4	15.3	14.2	13.1	12.0	12.0	10.9	9.8	8.7
-5°	70.0	32.5	16.3	15.2	14.1	13.0	12.0	12.0	10.9	9.8	8.7
-7.5°	66.1	30.9	16.2	15.1	14.1	13.0	12.0	11.9	10.8	9.7	8.7
-10°	60.6	28.7	16.1	15.0	14.0	12.9	12.0	11.8	10.7	9.7	8.7
-12.5°	53.7	25.9	15.9	14.9	13.8	12.8	12.0	11.7	10.7	9.6	8.7
-15°	45.4	22.5	15.7	14.7	13.7	12.6	12.0	11.6	10.5	9.5	8.7
-17.5°	35.6	18.6	15.5	14.5	13.5	12.4	12.0	11.5	10.4	9.4	8.7
-20°	29.7	16.2	15.3	14.3	13.2	12.2	12.0	11.3	10.3	9.2	8.7



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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°	24.2	15.9	15.0	14.0	13.0	12.0	12.0	11.1	10.1	9.1	8.7
-25°	18.2	15.6	14.6	13.7	12.7	12.0	11.9	10.9	9.9	8.9	8.7
-27.5°	16.1	15.2	14.3	13.4	12.4	12.0	11.6	10.7	9.7	8.8	8.7
-30°	15.7	14.8	13.9	13.0	12.1	12.0	11.4	10.4	9.5	8.7	8.7
-32.5°	15.2	14.3	13.5	12.6	12.0	12.0	11.1	10.2	9.3	8.7	8.6
-35°	14.7	13.9	13.1	12.2	12.0	11.6	10.8	9.9	9.0	8.7	8.4
-37.5°	14.2	13.4	12.6	12.0	12.0	11.3	10.5	9.6	8.8	8.7	8.2
-40°	13.6	12.9	12.1	12.0	11.7	10.9	10.1	9.3	8.7	8.7	8.0
-42.5°	13.0	12.3	12.0	12.0	11.3	10.5	9.8	9.0	8.7	8.5	7.7
-45°	12.5	12.0	12.0	11.5	10.8	10.1	9.4	8.7	8.7	8.3	7.4
-47.5°	12.0	12.0	11.7	11.0	10.4	9.7	9.0	8.7	8.7	8.0	6.9
-50°	12.0	11.7	11.1	10.5	9.9	9.2	8.7	8.7	8.4	7.7	6.5
-52.5°	11.7	11.1	10.6	10.0	9.4	8.8	8.7	8.7	8.0	7.2	6.0
-55°	11.0	10.5	10.0	9.5	8.9	8.7	8.7	8.3	7.7	6.6	5.5
-57.5°	10.4	9.9	9.4	8.9	8.7	8.7	8.4	7.9	7.1	6.0	5.2
-60°	9.7	9.2	8.8	8.7	8.7	8.5	8.0	7.3	6.4	5.4	4.9
-62.5°	9.0	8.7	8.7	8.7	8.4	8.0	7.4	6.6	5.6	5.1	4.6
-65°	8.7	8.7	8.7	8.3	7.9	7.3	6.6	5.7	5.2	4.8	4.3
-67.5°	8.7	8.4	8.0	7.7	7.1	6.4	5.6	5.2	4.8	4.4	4.0
-70°	8.0	7.7	7.2	6.6	6.0	5.4	5.1	4.8	4.4	4.1	3.7
-72.5°	6.9	6.5	6.0	5.5	5.2	4.9	4.6	4.3	4.0	3.7	3.4
-75°	5.6	5.3	5.1	4.9	4.6	4.4	4.1	3.9	3.6	3.3	2.8
-77.5°	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.1	2.6	2.2
-80°	4.1	3.9	3.8	3.6	3.5	3.3	2.9	2.6	2.3	1.9	1.5
-82.5°	3.3	3.1	2.9	2.7	2.4	2.2	1.9	1.7	1.4	1.2	1.0
-85°	1.9	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.8	0.8	0.7
-87.5°	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-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	0.0	0.0	0.0	0.0
87.5°	0.3	0.2	0.2	0.1	0.1	0.0	0.0
85°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
82.5°	0.9	0.7	0.6	0.4	0.3	0.1	0.0
80°	1.2	0.9	0.8	0.6	0.4	0.2	0.0
77.5°	1.7	1.3	0.9	0.7	0.5	0.2	0.0
75°	2.3	1.7	1.2	0.9	0.6	0.3	0.0
72.5°	2.8	2.2	1.5	1.0	0.7	0.3	0.0
70°	3.3	2.6	1.9	1.2	0.8	0.4	0.0
67.5°	3.6	3.1	2.3	1.4	0.8	0.4	0.0
65°	3.9	3.4	2.6	1.7	0.9	0.5	0.0
62.5°	4.1	3.6	2.9	1.9	1.0	0.5	0.0
60°	4.4	3.8	3.3	2.2	1.1	0.5	0.0
57.5°	4.6	4.0	3.5	2.4	1.3	0.6	0.0
55°	4.9	4.2	3.6	2.7	1.4	0.6	0.0
52.5°	5.1	4.4	3.8	2.9	1.6	0.7	0.0
50°	5.3	4.6	3.9	3.1	1.7	0.7	0.0
47.5°	5.6	4.8	4.1	3.3	1.9	0.7	0.0
45°	6.0	5.0	4.2	3.4	2.0	0.8	0.0
42.5°	6.3	5.1	4.3	3.5	2.1	0.8	0.0
40°	6.7	5.3	4.5	3.6	2.3	0.8	0.0
37.5°	7.1	5.5	4.6	3.7	2.4	0.9	0.0
35°	7.4	5.7	4.7	3.8	2.5	0.9	0.0
32.5°	7.6	5.9	4.8	3.9	2.6	0.9	0.0
30°	7.8	6.2	4.9	4.0	2.7	1.0	0.0
27.5°	7.9	6.4	5.0	4.0	2.8	1.0	0.0
25°	8.1	6.6	5.1	4.1	2.9	1.0	0.0
22.5°	8.2	6.8	5.2	4.1	3.0	1.0	0.0
20°	8.3	7.0	5.2	4.2	3.0	1.0	0.0
17.5°	8.4	7.1	5.3	4.2	3.1	1.0	0.0
15°	8.5	7.2	5.3	4.3	3.1	1.1	0.0
12.5°	8.5	7.3	5.4	4.3	3.2	1.1	0.0
10°	8.6	7.4	5.4	4.3	3.2	1.1	0.0
7.5°	8.6	7.5	5.5	4.4	3.3	1.1	0.0
5°	8.7	7.6	5.5	4.4	3.3	1.1	0.0
2.5°	8.7	7.6	5.5	4.4	3.3	1.1	0.0
0°	8.7	7.6	5.5	4.4	3.3	1.1	0.0
-2.5°	8.7	7.6	5.5	4.4	3.3	1.1	0.0
-5°	8.7	7.6	5.5	4.4	3.3	1.1	0.0
-7.5°	8.6	7.5	5.5	4.4	3.3	1.1	0.0
-10°	8.6	7.4	5.4	4.3	3.2	1.1	0.0
-12.5°	8.5	7.3	5.4	4.3	3.2	1.1	0.0
-15°	8.5	7.2	5.3	4.3	3.1	1.1	0.0
-17.5°	8.4	7.1	5.3	4.2	3.1	1.0	0.0
-20°	8.3	7.0	5.2	4.2	3.0	1.0	0.0



REPORT NUMBER: P220332 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	8.2	6.8	5.2	4.1	3.0	1.0	0.0
-25°	8.1	6.6	5.1	4.1	2.9	1.0	0.0
-27.5°	7.9	6.4	5.0	4.0	2.8	1.0	0.0
-30°	7.8	6.2	4.9	4.0	2.7	1.0	0.0
-32.5°	7.6	5.9	4.8	3.9	2.6	0.9	0.0
-35°	7.4	5.7	4.7	3.8	2.5	0.9	0.0
-37.5°	7.1	5.5	4.6	3.7	2.4	0.9	0.0
-40°	6.7	5.3	4.5	3.6	2.3	0.8	0.0
-42.5°	6.3	5.1	4.3	3.5	2.1	0.8	0.0
-45°	6.0	5.0	4.2	3.4	2.0	0.8	0.0
-47.5°	5.6	4.8	4.1	3.3	1.9	0.7	0.0
-50°	5.3	4.6	3.9	3.1	1.7	0.7	0.0
-52.5°	5.1	4.4	3.8	2.9	1.6	0.7	0.0
-55°	4.9	4.2	3.6	2.7	1.4	0.6	0.0
-57.5°	4.6	4.0	3.5	2.4	1.3	0.6	0.0
-60°	4.4	3.8	3.3	2.2	1.1	0.5	0.0
-62.5°	4.1	3.6	2.9	1.9	1.0	0.5	0.0
-65°	3.9	3.4	2.6	1.7	0.9	0.5	0.0
-67.5°	3.6	3.1	2.3	1.4	0.8	0.4	0.0
-70°	3.3	2.6	1.9	1.2	0.8	0.4	0.0
-72.5°	2.8	2.2	1.5	1.0	0.7	0.3	0.0
-75°	2.3	1.7	1.2	0.9	0.6	0.3	0.0
-77.5°	1.7	1.3	0.9	0.7	0.5	0.2	0.0
-80°	1.2	0.9	0.8	0.6	0.4	0.2	0.0
-82.5°	0.9	0.7	0.6	0.4	0.3	0.1	0.0
-85°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
-87.5°	0.3	0.2	0.2	0.1	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)