

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: P220380 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220380 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29418)
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-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 5000K CCT, 80 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	1106.4 lumens	Max Intensity:	6050.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	110.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	23.1°H x 23.1°V	Field Angle (10%):	38.1°H x 38.1°V
Beam Lumens:	563.6 lumens	Field Lumens:	866.7 lumens
Beam Efficiency:	50.9%	Field Efficiency:	78.3%

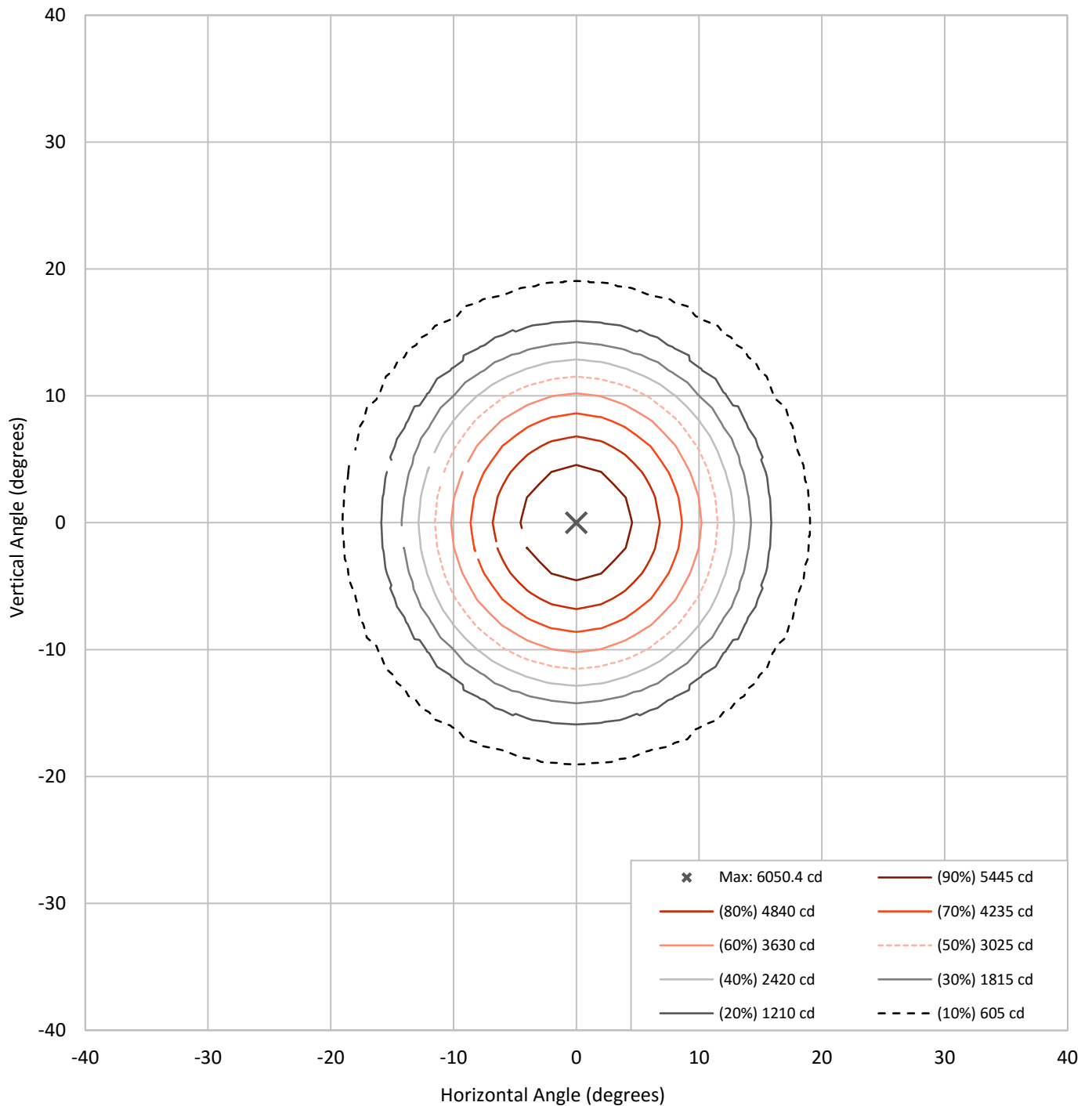
Input Watts (W): 10
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

Iso-Candela Plot





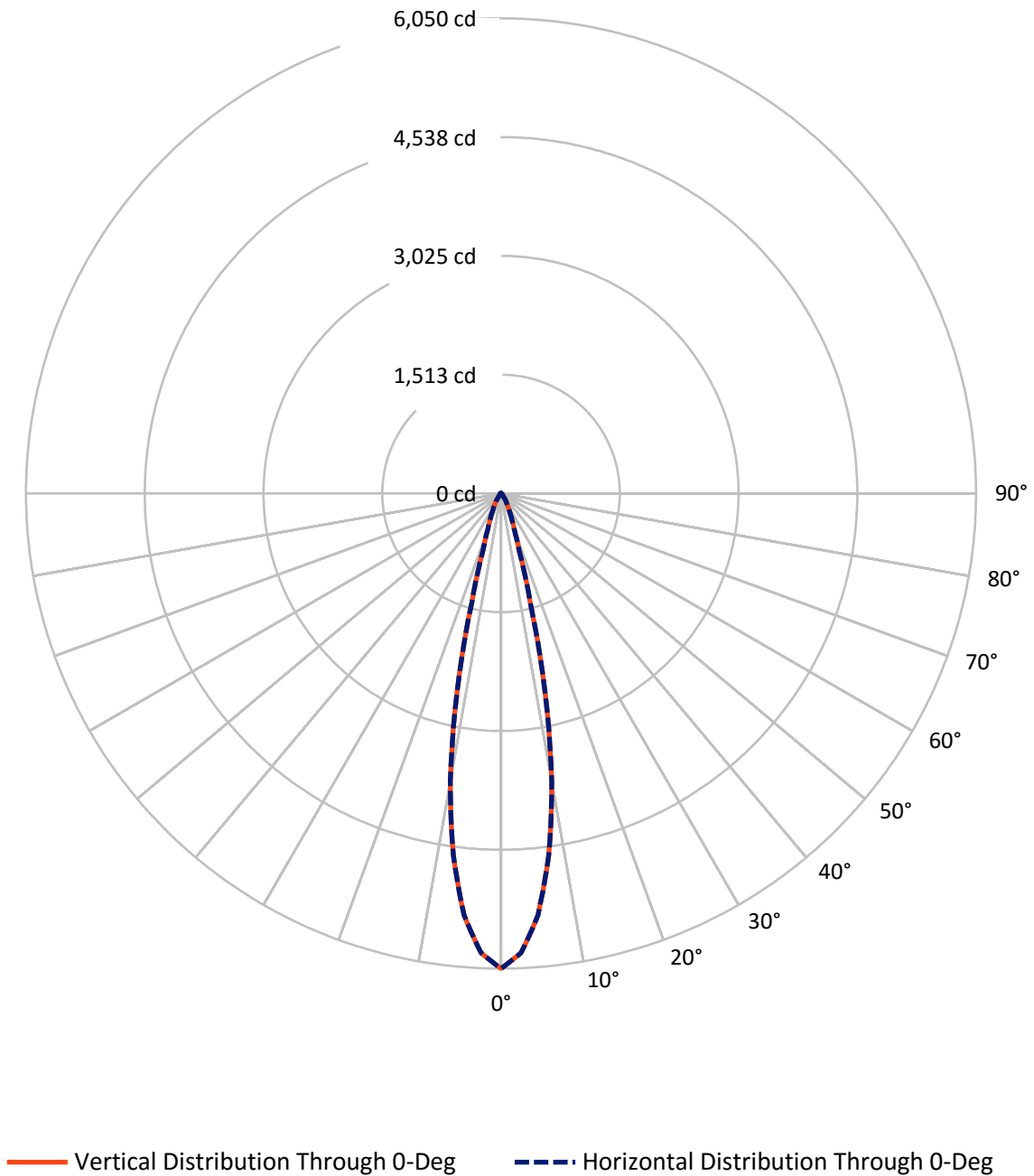
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Lumen Table

90																			
80	0.0	0.1		0.2		0.3		0.4		0.3		0.2		0.1		0.0			
70																			
60	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0			
50		0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1				
40	0.1	0.1	0.1	0.2	0.2	0.3	0.5	0.5	0.5	0.5	0.3	0.2	0.2	0.1	0.1	0.1			
30		0.1	0.1	0.2	0.4	0.7	1.5	2.3	2.3	1.5	0.7	0.4	0.2	0.1	0.1				
20	0.1	0.1	0.1	0.3	0.6	2.2	5.3	8.3	8.3	5.3	2.2	0.6	0.3	0.1	0.1	0.1			
10		0.1	0.2	0.3	1.3	5.0	14.8	42.2	42.2	14.8	5.0	1.3	0.3	0.2	0.1				
0	0.1	0.1	0.2	0.4	1.9	7.6	41.1	134.2	134.2	41.1	7.6	1.9	0.4	0.2	0.1	0.1			
-10		0.1	0.2	0.4	1.9	7.6	41.1	134.2	134.2	41.1	7.6	1.9	0.4	0.2	0.1				
-20	0.1	0.1	0.2	0.3	1.3	5.0	14.8	42.2	42.2	14.8	5.0	1.3	0.3	0.2	0.1	0.1			
-30		0.1	0.1	0.3	0.6	2.2	5.3	8.3	8.3	5.3	2.2	0.6	0.3	0.1	0.1				
-40	0.1	0.1	0.1	0.2	0.4	0.7	1.5	2.3	2.3	1.5	0.7	0.4	0.2	0.1	0.1	0.1			
-50		0.1	0.1	0.2	0.2	0.3	0.5	0.5	0.5	0.5	0.3	0.2	0.2	0.1	0.1				
-60	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0			
-70		0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0				
-80																			
-90	0.0	0.1		0.2		0.3		0.4		0.3		0.2		0.1		0.0			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

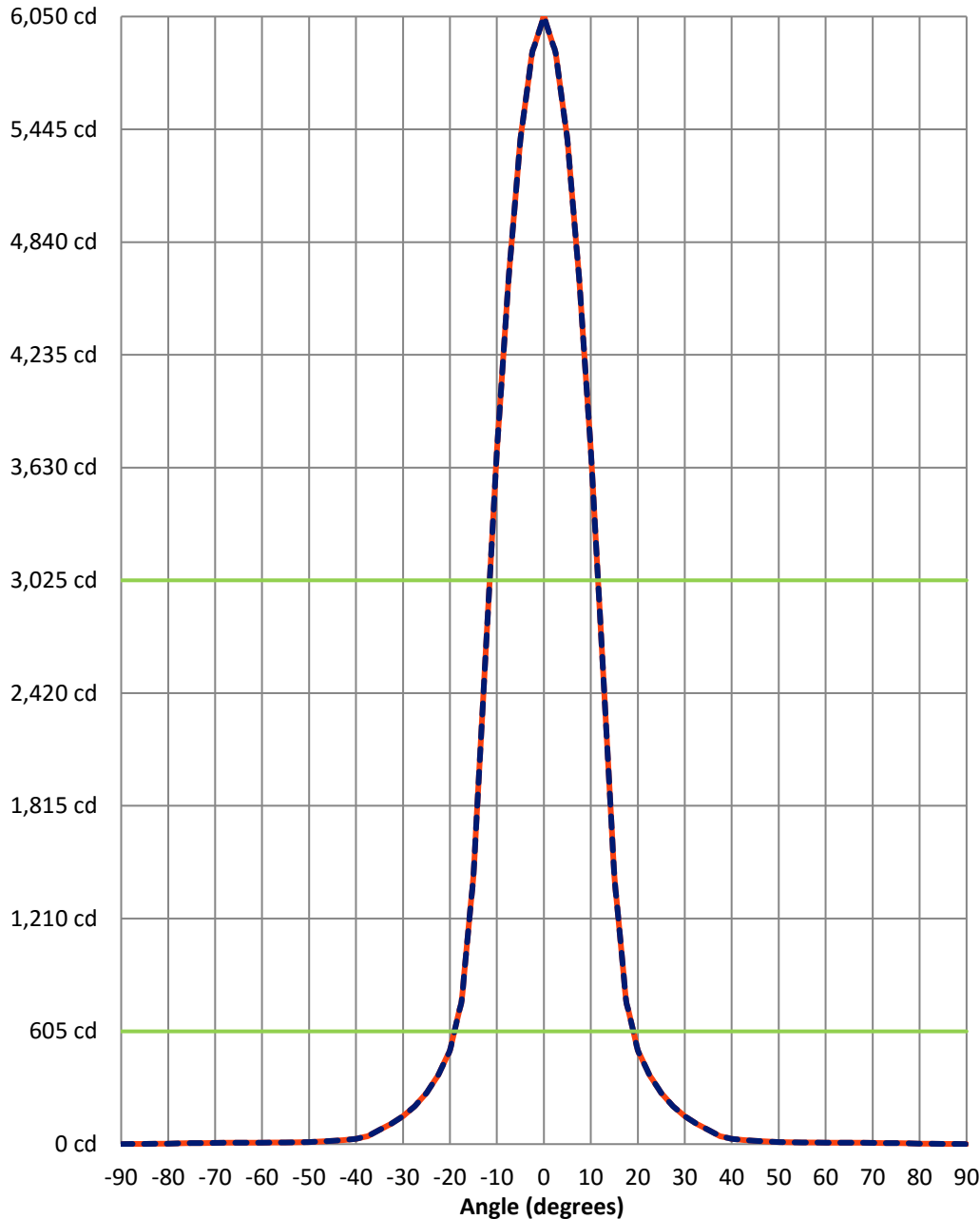
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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-M-WT-L1-UNV

Luminous Intensity Polar Plot



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

Luminous Intensity Plot



Beam:
 H Angle: 23.1°
 V Angle: 23.1°
 Lumens: 563.6
 Efficiency: 50.9%

Field:
 H Angle: 38.1°
 V Angle: 38.1°
 Lumens: 866.7
 Efficiency: 78.3%

Spill:
 Lumens: 239.7
 Efficiency: 21.7%

- 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	0.0	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	1.1	1.1	1.1
80°	0.0	0.2	0.4	0.6	0.8	0.9	1.1	1.1	1.1	1.1	1.1
77.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.1	1.1	1.1	1.1	1.2
75°	0.0	0.3	0.6	0.9	1.1	1.1	1.1	1.1	1.1	1.4	1.7
72.5°	0.0	0.3	0.7	1.0	1.1	1.1	1.1	1.2	1.5	1.8	2.1
70°	0.0	0.4	0.8	1.1	1.1	1.1	1.1	1.5	1.9	2.2	2.2
67.5°	0.0	0.4	0.8	1.1	1.1	1.1	1.4	1.8	2.2	2.2	2.2
65°	0.0	0.5	0.9	1.1	1.1	1.2	1.7	2.1	2.2	2.2	2.5
62.5°	0.0	0.5	1.0	1.1	1.1	1.4	1.9	2.2	2.2	2.4	3.3
60°	0.0	0.5	1.1	1.1	1.1	1.6	2.2	2.2	2.2	3.1	4.1
57.5°	0.0	0.6	1.1	1.1	1.3	1.8	2.2	2.2	2.7	3.8	4.7
55°	0.0	0.6	1.1	1.1	1.4	2.0	2.2	2.2	3.4	4.5	5.1
52.5°	0.0	0.7	1.1	1.1	1.6	2.2	2.2	2.7	4.0	4.8	5.5
50°	0.0	0.7	1.1	1.1	1.7	2.2	2.2	3.2	4.5	5.2	5.5
47.5°	0.0	0.7	1.1	1.1	1.9	2.2	2.3	3.7	4.8	5.5	5.5
45°	0.0	0.8	1.1	1.2	2.0	2.2	2.7	4.2	5.1	5.5	5.5
42.5°	0.0	0.8	1.1	1.3	2.1	2.2	3.1	4.5	5.3	5.5	5.8
40°	0.0	0.8	1.1	1.4	2.2	2.2	3.5	4.8	5.5	5.5	6.1
37.5°	0.0	0.9	1.1	1.5	2.2	2.2	3.8	5.0	5.5	5.6	6.4
35°	0.0	0.9	1.1	1.6	2.2	2.4	4.2	5.2	5.5	5.8	6.7
32.5°	0.0	0.9	1.1	1.7	2.2	2.7	4.4	5.4	5.5	6.1	7.0
30°	0.0	1.0	1.1	1.8	2.2	2.9	4.6	5.5	5.5	6.3	7.2
27.5°	0.0	1.0	1.1	1.8	2.2	3.1	4.7	5.5	5.6	6.5	7.4
25°	0.0	1.0	1.1	1.9	2.2	3.4	4.9	5.5	5.7	6.7	7.6
22.5°	0.0	1.0	1.1	1.9	2.2	3.6	5.0	5.5	5.9	6.9	7.6
20°	0.0	1.0	1.1	2.0	2.2	3.7	5.1	5.5	6.0	7.0	7.6
17.5°	0.0	1.0	1.1	2.0	2.2	3.9	5.2	5.5	6.2	7.2	7.6
15°	0.0	1.1	1.1	2.1	2.2	4.0	5.3	5.5	6.3	7.3	7.6
12.5°	0.0	1.1	1.1	2.1	2.2	4.1	5.3	5.5	6.4	7.4	7.6
10°	0.0	1.1	1.1	2.1	2.2	4.2	5.4	5.5	6.5	7.5	7.6
7.5°	0.0	1.1	1.1	2.2	2.2	4.3	5.4	5.5	6.5	7.5	7.6
5°	0.0	1.1	1.1	2.2	2.2	4.4	5.5	5.5	6.6	7.6	7.6
2.5°	0.0	1.1	1.1	2.2	2.2	4.4	5.5	5.5	6.6	7.6	7.6
0°	0.0	1.1	1.1	2.2	2.2	4.4	5.5	5.5	6.6	7.6	7.6
-2.5°	0.0	1.1	1.1	2.2	2.2	4.4	5.5	5.5	6.6	7.6	7.6
-5°	0.0	1.1	1.1	2.2	2.2	4.4	5.5	5.5	6.6	7.6	7.6
-7.5°	0.0	1.1	1.1	2.2	2.2	4.3	5.4	5.5	6.5	7.5	7.6
-10°	0.0	1.1	1.1	2.1	2.2	4.2	5.4	5.5	6.5	7.5	7.6
-12.5°	0.0	1.1	1.1	2.1	2.2	4.1	5.3	5.5	6.4	7.4	7.6
-15°	0.0	1.1	1.1	2.1	2.2	4.0	5.3	5.5	6.3	7.3	7.6
-17.5°	0.0	1.0	1.1	2.0	2.2	3.9	5.2	5.5	6.2	7.2	7.6
-20°	0.0	1.0	1.1	2.0	2.2	3.7	5.1	5.5	6.0	7.0	7.6



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-M-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	1.1	1.9	2.2	3.6	5.0	5.5	5.9	6.9	7.6
-25°	0.0	1.0	1.1	1.9	2.2	3.4	4.9	5.5	5.7	6.7	7.6
-27.5°	0.0	1.0	1.1	1.8	2.2	3.1	4.7	5.5	5.6	6.5	7.4
-30°	0.0	1.0	1.1	1.8	2.2	2.9	4.6	5.5	5.5	6.3	7.2
-32.5°	0.0	0.9	1.1	1.7	2.2	2.7	4.4	5.4	5.5	6.1	7.0
-35°	0.0	0.9	1.1	1.6	2.2	2.4	4.2	5.2	5.5	5.8	6.7
-37.5°	0.0	0.9	1.1	1.5	2.2	2.2	3.8	5.0	5.5	5.6	6.4
-40°	0.0	0.8	1.1	1.4	2.2	2.2	3.5	4.8	5.5	5.5	6.1
-42.5°	0.0	0.8	1.1	1.3	2.1	2.2	3.1	4.5	5.3	5.5	5.8
-45°	0.0	0.8	1.1	1.2	2.0	2.2	2.7	4.2	5.1	5.5	5.5
-47.5°	0.0	0.7	1.1	1.1	1.9	2.2	2.3	3.7	4.8	5.5	5.5
-50°	0.0	0.7	1.1	1.1	1.7	2.2	2.2	3.2	4.5	5.2	5.5
-52.5°	0.0	0.7	1.1	1.1	1.6	2.2	2.2	2.7	4.0	4.8	5.5
-55°	0.0	0.6	1.1	1.1	1.4	2.0	2.2	2.2	3.4	4.5	5.1
-57.5°	0.0	0.6	1.1	1.1	1.3	1.8	2.2	2.2	2.7	3.8	4.7
-60°	0.0	0.5	1.1	1.1	1.1	1.6	2.2	2.2	2.2	3.1	4.1
-62.5°	0.0	0.5	1.0	1.1	1.1	1.4	1.9	2.2	2.2	2.4	3.3
-65°	0.0	0.5	0.9	1.1	1.1	1.2	1.7	2.1	2.2	2.2	2.5
-67.5°	0.0	0.4	0.8	1.1	1.1	1.1	1.4	1.8	2.2	2.2	2.2
-70°	0.0	0.4	0.8	1.1	1.1	1.1	1.1	1.5	1.9	2.2	2.2
-72.5°	0.0	0.3	0.7	1.0	1.1	1.1	1.1	1.2	1.5	1.8	2.1
-75°	0.0	0.3	0.6	0.9	1.1	1.1	1.1	1.1	1.1	1.4	1.7
-77.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.1	1.1	1.1	1.1	1.2
-80°	0.0	0.2	0.4	0.6	0.8	0.9	1.1	1.1	1.1	1.1	1.1
-82.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.1	1.1
-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



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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	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.4	1.5
80°	1.1	1.1	1.3	1.4	1.6	1.7	1.9	2.0	2.1	2.2	2.2
77.5°	1.4	1.6	1.8	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
75°	1.9	2.2	2.2	2.2	2.2	2.2	2.3	2.7	3.1	3.5	3.8
72.5°	2.2	2.2	2.2	2.2	2.7	3.2	3.7	4.2	4.5	4.8	5.0
70°	2.2	2.2	2.7	3.4	4.0	4.5	4.8	5.1	5.3	5.5	5.5
67.5°	2.4	3.1	3.8	4.5	4.8	5.2	5.5	5.5	5.5	5.5	5.6
65°	3.3	4.1	4.7	5.1	5.5	5.5	5.5	5.5	5.8	6.1	6.4
62.5°	4.2	4.8	5.2	5.5	5.5	5.5	5.8	6.2	6.6	6.9	7.2
60°	4.8	5.3	5.5	5.5	5.6	6.0	6.5	6.9	7.3	7.6	7.6
57.5°	5.2	5.5	5.5	5.7	6.2	6.7	7.1	7.5	7.6	7.6	7.6
55°	5.5	5.5	5.7	6.3	6.8	7.3	7.6	7.6	7.6	7.6	7.6
52.5°	5.5	5.6	6.2	6.8	7.3	7.6	7.6	7.6	7.6	7.6	7.6
50°	5.5	6.0	6.7	7.3	7.6	7.6	7.6	7.6	7.6	7.6	7.9
47.5°	5.8	6.5	7.1	7.6	7.6	7.6	7.6	7.6	7.6	8.1	8.7
45°	6.2	6.9	7.5	7.6	7.6	7.6	7.6	7.6	8.2	8.7	8.7
42.5°	6.6	7.3	7.6	7.6	7.6	7.6	7.6	8.2	8.7	8.7	9.1
40°	6.9	7.6	7.6	7.6	7.6	7.6	8.1	8.7	8.7	9.1	9.8
37.5°	7.2	7.6	7.6	7.6	7.6	7.9	8.7	8.7	9.1	9.8	10.5
35°	7.5	7.6	7.6	7.6	7.6	8.4	8.7	8.9	9.6	10.4	11.6
32.5°	7.6	7.6	7.6	7.6	8.0	8.7	8.7	9.4	10.2	11.2	13.5
30°	7.6	7.6	7.6	7.6	8.4	8.7	9.1	9.9	10.8	13.0	15.4
27.5°	7.6	7.6	7.6	7.9	8.7	8.7	9.5	10.4	12.0	14.6	17.1
25°	7.6	7.6	7.6	8.2	8.7	9.0	9.9	10.8	13.4	16.1	19.2
22.5°	7.6	7.6	7.6	8.5	8.7	9.3	10.3	11.9	14.8	17.6	21.2
20°	7.6	7.6	7.7	8.7	8.7	9.6	10.6	13.1	16.0	19.3	23.7
17.5°	7.6	7.6	8.0	8.7	8.9	9.9	11.1	14.1	17.1	20.8	26.2
15°	7.6	7.6	8.2	8.7	9.1	10.2	11.9	15.0	18.2	22.4	28.5
12.5°	7.6	7.6	8.3	8.7	9.3	10.4	12.6	15.7	19.3	24.2	32.7
10°	7.6	7.6	8.5	8.7	9.5	10.6	13.2	16.4	20.2	25.7	36.2
7.5°	7.6	7.6	8.6	8.7	9.6	10.7	13.6	16.9	20.9	26.9	39.0
5°	7.6	7.6	8.6	8.7	9.7	10.8	13.9	17.2	21.4	27.7	41.0
2.5°	7.6	7.6	8.7	8.7	9.8	10.9	14.1	17.4	21.7	28.2	42.2
0°	7.6	7.6	8.7	8.7	9.8	10.9	14.2	17.5	21.8	28.4	42.6
-2.5°	7.6	7.6	8.7	8.7	9.8	10.9	14.1	17.4	21.7	28.2	42.2
-5°	7.6	7.6	8.6	8.7	9.7	10.8	13.9	17.2	21.4	27.7	41.0
-7.5°	7.6	7.6	8.6	8.7	9.6	10.7	13.6	16.9	20.9	26.9	39.0
-10°	7.6	7.6	8.5	8.7	9.5	10.6	13.2	16.4	20.2	25.7	36.2
-12.5°	7.6	7.6	8.3	8.7	9.3	10.4	12.6	15.7	19.3	24.2	32.7
-15°	7.6	7.6	8.2	8.7	9.1	10.2	11.9	15.0	18.2	22.4	28.5
-17.5°	7.6	7.6	8.0	8.7	8.9	9.9	11.1	14.1	17.1	20.8	26.2
-20°	7.6	7.6	7.7	8.7	8.7	9.6	10.6	13.1	16.0	19.3	23.7



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	7.6	7.6	7.6	8.5	8.7	9.3	10.3	11.9	14.8	17.6	21.2
-25°	7.6	7.6	7.6	8.2	8.7	9.0	9.9	10.8	13.4	16.1	19.2
-27.5°	7.6	7.6	7.6	7.9	8.7	8.7	9.5	10.4	12.0	14.6	17.1
-30°	7.6	7.6	7.6	7.6	8.4	8.7	9.1	9.9	10.8	13.0	15.4
-32.5°	7.6	7.6	7.6	7.6	8.0	8.7	8.7	9.4	10.2	11.2	13.5
-35°	7.5	7.6	7.6	7.6	7.6	8.4	8.7	8.9	9.6	10.4	11.6
-37.5°	7.2	7.6	7.6	7.6	7.6	7.9	8.7	8.7	9.1	9.8	10.5
-40°	6.9	7.6	7.6	7.6	7.6	7.6	8.1	8.7	8.7	9.1	9.8
-42.5°	6.6	7.3	7.6	7.6	7.6	7.6	7.6	8.2	8.7	8.7	9.1
-45°	6.2	6.9	7.5	7.6	7.6	7.6	7.6	7.6	8.2	8.7	8.7
-47.5°	5.8	6.5	7.1	7.6	7.6	7.6	7.6	7.6	7.6	8.1	8.7
-50°	5.5	6.0	6.7	7.3	7.6	7.6	7.6	7.6	7.6	7.6	7.9
-52.5°	5.5	5.6	6.2	6.8	7.3	7.6	7.6	7.6	7.6	7.6	7.6
-55°	5.5	5.5	5.7	6.3	6.8	7.3	7.6	7.6	7.6	7.6	7.6
-57.5°	5.2	5.5	5.5	5.7	6.2	6.7	7.1	7.5	7.6	7.6	7.6
-60°	4.8	5.3	5.5	5.5	5.6	6.0	6.5	6.9	7.3	7.6	7.6
-62.5°	4.2	4.8	5.2	5.5	5.5	5.5	5.8	6.2	6.6	6.9	7.2
-65°	3.3	4.1	4.7	5.1	5.5	5.5	5.5	5.5	5.8	6.1	6.4
-67.5°	2.4	3.1	3.8	4.5	4.8	5.2	5.5	5.5	5.5	5.5	5.6
-70°	2.2	2.2	2.7	3.4	4.0	4.5	4.8	5.1	5.3	5.5	5.5
-72.5°	2.2	2.2	2.2	2.2	2.7	3.2	3.7	4.2	4.5	4.8	5.0
-75°	1.9	2.2	2.2	2.2	2.2	2.2	2.3	2.7	3.1	3.5	3.8
-77.5°	1.4	1.6	1.8	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2
-80°	1.1	1.1	1.3	1.4	1.6	1.7	1.9	2.0	2.1	2.2	2.2
-82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.4	1.5
-85°	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-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



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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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.1
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	2.4	2.7	2.9	3.1	3.4	3.6	3.7	3.9	4.0	4.1	4.2
75°	4.2	4.4	4.6	4.7	4.9	5.0	5.1	5.2	5.3	5.3	5.4
72.5°	5.2	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
70°	5.5	5.5	5.5	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.5
67.5°	5.8	6.1	6.3	6.5	6.7	6.9	7.0	7.2	7.3	7.4	7.5
65°	6.7	7.0	7.2	7.4	7.6	7.6	7.6	7.6	7.6	7.6	7.6
62.5°	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
60°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
57.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.7	8.0	8.2	8.3	8.5
55°	7.6	7.6	7.6	7.9	8.2	8.5	8.7	8.7	8.7	8.7	8.7
52.5°	7.6	8.0	8.4	8.7	8.7	8.7	8.7	8.9	9.1	9.3	9.5
50°	8.4	8.7	8.7	8.7	9.0	9.3	9.6	9.9	10.2	10.4	10.6
47.5°	8.7	8.7	9.1	9.5	9.9	10.3	10.6	11.1	11.9	12.6	13.2
45°	8.9	9.4	9.9	10.4	10.8	11.9	13.1	14.1	15.0	15.7	16.4
42.5°	9.6	10.2	10.8	12.0	13.4	14.8	16.0	17.1	18.2	19.3	20.2
40°	10.4	11.2	13.0	14.6	16.1	17.6	19.3	20.8	22.4	24.2	25.7
37.5°	11.6	13.5	15.4	17.1	19.2	21.2	23.7	26.2	28.5	32.7	36.2
35°	13.7	15.8	17.8	20.3	23.0	26.2	30.3	36.2	41.5	50.8	59.8
32.5°	15.8	18.1	20.8	24.2	28.0	35.1	42.2	56.8	70.4	82.0	91.6
30°	17.8	20.8	24.7	29.5	38.1	51.3	69.2	85.4	99.7	112.8	125.8
27.5°	20.3	24.2	29.5	39.1	56.2	76.8	95.6	113.6	132.8	149.5	166.7
25°	23.0	28.0	38.1	56.2	79.3	100.8	123.6	146.5	171.3	196.6	220.4
22.5°	26.2	35.1	51.3	76.8	100.8	127.0	154.4	186.2	219.9	255.7	292.6
20°	30.3	42.2	69.2	95.6	123.6	154.4	191.3	233.2	281.1	333.6	382.4
17.5°	36.2	56.8	85.4	113.6	146.5	186.2	233.2	291.2	354.9	429.2	499.2
15°	41.5	70.4	99.7	132.8	171.3	219.9	281.1	354.9	445.2	546.6	694.8
12.5°	50.8	82.0	112.8	149.5	196.6	255.7	333.6	429.2	546.6	753.3	1114.8
10°	59.8	91.6	125.8	166.7	220.4	292.6	382.4	499.2	694.8	1114.8	1819.7
7.5°	67.0	99.2	136.1	181.7	241.5	325.7	433.7	580.5	919.1	1632.6	2597.5
5°	72.2	104.7	143.5	193.1	259.4	350.1	471.8	669.4	1170.7	2128.6	3216.3
2.5°	75.3	108.1	148.1	200.6	270.3	365.1	495.3	742.6	1371.4	2467.7	3591.0
0°	76.4	109.2	149.6	203.1	274.0	370.1	503.3	770.8	1440.0	2586.4	3720.7
-2.5°	75.3	108.1	148.1	200.6	270.3	365.1	495.3	742.6	1371.4	2467.7	3591.0
-5°	72.2	104.7	143.5	193.1	259.4	350.1	471.8	669.4	1170.7	2128.6	3216.3
-7.5°	67.0	99.2	136.1	181.7	241.5	325.7	433.7	580.5	919.1	1632.6	2597.5
-10°	59.8	91.6	125.8	166.7	220.4	292.6	382.4	499.2	694.8	1114.8	1819.7
-12.5°	50.8	82.0	112.8	149.5	196.6	255.7	333.6	429.2	546.6	753.3	1114.8
-15°	41.5	70.4	99.7	132.8	171.3	219.9	281.1	354.9	445.2	546.6	694.8
-17.5°	36.2	56.8	85.4	113.6	146.5	186.2	233.2	291.2	354.9	429.2	499.2
-20°	30.3	42.2	69.2	95.6	123.6	154.4	191.3	233.2	281.1	333.6	382.4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	26.2	35.1	51.3	76.8	100.8	127.0	154.4	186.2	219.9	255.7	292.6
-25°	23.0	28.0	38.1	56.2	79.3	100.8	123.6	146.5	171.3	196.6	220.4
-27.5°	20.3	24.2	29.5	39.1	56.2	76.8	95.6	113.6	132.8	149.5	166.7
-30°	17.8	20.8	24.7	29.5	38.1	51.3	69.2	85.4	99.7	112.8	125.8
-32.5°	15.8	18.1	20.8	24.2	28.0	35.1	42.2	56.8	70.4	82.0	91.6
-35°	13.7	15.8	17.8	20.3	23.0	26.2	30.3	36.2	41.5	50.8	59.8
-37.5°	11.6	13.5	15.4	17.1	19.2	21.2	23.7	26.2	28.5	32.7	36.2
-40°	10.4	11.2	13.0	14.6	16.1	17.6	19.3	20.8	22.4	24.2	25.7
-42.5°	9.6	10.2	10.8	12.0	13.4	14.8	16.0	17.1	18.2	19.3	20.2
-45°	8.9	9.4	9.9	10.4	10.8	11.9	13.1	14.1	15.0	15.7	16.4
-47.5°	8.7	8.7	9.1	9.5	9.9	10.3	10.6	11.1	11.9	12.6	13.2
-50°	8.4	8.7	8.7	8.7	9.0	9.3	9.6	9.9	10.2	10.4	10.6
-52.5°	7.6	8.0	8.4	8.7	8.7	8.7	8.7	8.9	9.1	9.3	9.5
-55°	7.6	7.6	7.6	7.9	8.2	8.5	8.7	8.7	8.7	8.7	8.7
-57.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.7	8.0	8.2	8.3	8.5
-60°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
-62.5°	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
-65°	6.7	7.0	7.2	7.4	7.6	7.6	7.6	7.6	7.6	7.6	7.6
-67.5°	5.8	6.1	6.3	6.5	6.7	6.9	7.0	7.2	7.3	7.4	7.5
-70°	5.5	5.5	5.5	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.5
-72.5°	5.2	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
-75°	4.2	4.4	4.6	4.7	4.9	5.0	5.1	5.2	5.3	5.3	5.4
-77.5°	2.4	2.7	2.9	3.1	3.4	3.6	3.7	3.9	4.0	4.1	4.2
-80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
-82.5°	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.1
-85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-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



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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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
77.5°	4.3	4.4	4.4	4.4	4.4	4.4	4.3	4.2	4.1	4.0	3.9
75°	5.4	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.3	5.3	5.2
72.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
70°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.3	6.2
67.5°	7.5	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.4	7.3	7.2
65°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
62.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
60°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
57.5°	8.6	8.6	8.7	8.7	8.7	8.6	8.6	8.5	8.3	8.2	8.0
55°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
52.5°	9.6	9.7	9.8	9.8	9.8	9.7	9.6	9.5	9.3	9.1	8.9
50°	10.7	10.8	10.9	10.9	10.9	10.8	10.7	10.6	10.4	10.2	9.9
47.5°	13.6	13.9	14.1	14.2	14.1	13.9	13.6	13.2	12.6	11.9	11.1
45°	16.9	17.2	17.4	17.5	17.4	17.2	16.9	16.4	15.7	15.0	14.1
42.5°	20.9	21.4	21.7	21.8	21.7	21.4	20.9	20.2	19.3	18.2	17.1
40°	26.9	27.7	28.2	28.4	28.2	27.7	26.9	25.7	24.2	22.4	20.8
37.5°	39.0	41.0	42.2	42.6	42.2	41.0	39.0	36.2	32.7	28.5	26.2
35°	67.0	72.2	75.3	76.4	75.3	72.2	67.0	59.8	50.8	41.5	36.2
32.5°	99.2	104.7	108.1	109.2	108.1	104.7	99.2	91.6	82.0	70.4	56.8
30°	136.1	143.5	148.1	149.6	148.1	143.5	136.1	125.8	112.8	99.7	85.4
27.5°	181.7	193.1	200.6	203.1	200.6	193.1	181.7	166.7	149.5	132.8	113.6
25°	241.5	259.4	270.3	274.0	270.3	259.4	241.5	220.4	196.6	171.3	146.5
22.5°	325.7	350.1	365.1	370.1	365.1	350.1	325.7	292.6	255.7	219.9	186.2
20°	433.7	471.8	495.3	503.3	495.3	471.8	433.7	382.4	333.6	281.1	233.2
17.5°	580.5	669.4	742.6	770.8	742.6	669.4	580.5	499.2	429.2	354.9	291.2
15°	919.1	1170.7	1371.4	1440.0	1371.4	1170.7	919.1	694.8	546.6	445.2	354.9
12.5°	1632.6	2128.6	2467.7	2586.4	2467.7	2128.6	1632.6	1114.8	753.3	546.6	429.2
10°	2597.5	3216.3	3591.0	3720.7	3591.0	3216.3	2597.5	1819.7	1114.8	694.8	499.2
7.5°	3468.9	4109.2	4510.2	4648.1	4510.2	4109.2	3468.9	2597.5	1632.6	919.1	580.5
5°	4109.2	4796.2	5231.6	5391.0	5231.6	4796.2	4109.2	3216.3	2128.6	1170.7	669.4
2.5°	4510.2	5231.6	5698.8	5855.6	5698.8	5231.6	4510.2	3591.0	2467.7	1371.4	742.6
0°	4648.1	5391.0	5855.6	6050.4	5855.6	5391.0	4648.1	3720.7	2586.4	1440.0	770.8
-2.5°	4510.2	5231.6	5698.8	5855.6	5698.8	5231.6	4510.2	3591.0	2467.7	1371.4	742.6
-5°	4109.2	4796.2	5231.6	5391.0	5231.6	4796.2	4109.2	3216.3	2128.6	1170.7	669.4
-7.5°	3468.9	4109.2	4510.2	4648.1	4510.2	4109.2	3468.9	2597.5	1632.6	919.1	580.5
-10°	2597.5	3216.3	3591.0	3720.7	3591.0	3216.3	2597.5	1819.7	1114.8	694.8	499.2
-12.5°	1632.6	2128.6	2467.7	2586.4	2467.7	2128.6	1632.6	1114.8	753.3	546.6	429.2
-15°	919.1	1170.7	1371.4	1440.0	1371.4	1170.7	919.1	694.8	546.6	445.2	354.9
-17.5°	580.5	669.4	742.6	770.8	742.6	669.4	580.5	499.2	429.2	354.9	291.2
-20°	433.7	471.8	495.3	503.3	495.3	471.8	433.7	382.4	333.6	281.1	233.2



REPORT NUMBER: P220380 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-M-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°	325.7	350.1	365.1	370.1	365.1	350.1	325.7	292.6	255.7	219.9	186.2
-25°	241.5	259.4	270.3	274.0	270.3	259.4	241.5	220.4	196.6	171.3	146.5
-27.5°	181.7	193.1	200.6	203.1	200.6	193.1	181.7	166.7	149.5	132.8	113.6
-30°	136.1	143.5	148.1	149.6	148.1	143.5	136.1	125.8	112.8	99.7	85.4
-32.5°	99.2	104.7	108.1	109.2	108.1	104.7	99.2	91.6	82.0	70.4	56.8
-35°	67.0	72.2	75.3	76.4	75.3	72.2	67.0	59.8	50.8	41.5	36.2
-37.5°	39.0	41.0	42.2	42.6	42.2	41.0	39.0	36.2	32.7	28.5	26.2
-40°	26.9	27.7	28.2	28.4	28.2	27.7	26.9	25.7	24.2	22.4	20.8
-42.5°	20.9	21.4	21.7	21.8	21.7	21.4	20.9	20.2	19.3	18.2	17.1
-45°	16.9	17.2	17.4	17.5	17.4	17.2	16.9	16.4	15.7	15.0	14.1
-47.5°	13.6	13.9	14.1	14.2	14.1	13.9	13.6	13.2	12.6	11.9	11.1
-50°	10.7	10.8	10.9	10.9	10.9	10.8	10.7	10.6	10.4	10.2	9.9
-52.5°	9.6	9.7	9.8	9.8	9.8	9.7	9.6	9.5	9.3	9.1	8.9
-55°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
-57.5°	8.6	8.6	8.7	8.7	8.7	8.6	8.6	8.5	8.3	8.2	8.0
-60°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
-62.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
-65°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
-67.5°	7.5	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.4	7.3	7.2
-70°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.3	6.2
-72.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
-75°	5.4	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.3	5.3	5.2
-77.5°	4.3	4.4	4.4	4.4	4.4	4.4	4.3	4.2	4.1	4.0	3.9
-80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
-82.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0
-85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-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: P220380 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-M-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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	2.0	1.9	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.3	1.2
80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.0
77.5°	3.7	3.6	3.4	3.1	2.9	2.7	2.4	2.2	2.2	2.2	2.2
75°	5.1	5.0	4.9	4.7	4.6	4.4	4.2	3.8	3.5	3.1	2.7
72.5°	5.5	5.5	5.5	5.5	5.5	5.4	5.2	5.0	4.8	4.5	4.2
70°	6.0	5.9	5.7	5.6	5.5	5.5	5.5	5.5	5.5	5.3	5.1
67.5°	7.0	6.9	6.7	6.5	6.3	6.1	5.8	5.6	5.5	5.5	5.5
65°	7.6	7.6	7.6	7.4	7.2	7.0	6.7	6.4	6.1	5.8	5.5
62.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.5	7.2	6.9	6.6	6.2
60°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.3	6.9
57.5°	7.7	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.5
55°	8.7	8.5	8.2	7.9	7.6	7.6	7.6	7.6	7.6	7.6	7.6
52.5°	8.7	8.7	8.7	8.7	8.4	8.0	7.6	7.6	7.6	7.6	7.6
50°	9.6	9.3	9.0	8.7	8.7	8.7	8.4	7.9	7.6	7.6	7.6
47.5°	10.6	10.3	9.9	9.5	9.1	8.7	8.7	8.7	8.1	7.6	7.6
45°	13.1	11.9	10.8	10.4	9.9	9.4	8.9	8.7	8.7	8.2	7.6
42.5°	16.0	14.8	13.4	12.0	10.8	10.2	9.6	9.1	8.7	8.7	8.2
40°	19.3	17.6	16.1	14.6	13.0	11.2	10.4	9.8	9.1	8.7	8.7
37.5°	23.7	21.2	19.2	17.1	15.4	13.5	11.6	10.5	9.8	9.1	8.7
35°	30.3	26.2	23.0	20.3	17.8	15.8	13.7	11.6	10.4	9.6	8.9
32.5°	42.2	35.1	28.0	24.2	20.8	18.1	15.8	13.5	11.2	10.2	9.4
30°	69.2	51.3	38.1	29.5	24.7	20.8	17.8	15.4	13.0	10.8	9.9
27.5°	95.6	76.8	56.2	39.1	29.5	24.2	20.3	17.1	14.6	12.0	10.4
25°	123.6	100.8	79.3	56.2	38.1	28.0	23.0	19.2	16.1	13.4	10.8
22.5°	154.4	127.0	100.8	76.8	51.3	35.1	26.2	21.2	17.6	14.8	11.9
20°	191.3	154.4	123.6	95.6	69.2	42.2	30.3	23.7	19.3	16.0	13.1
17.5°	233.2	186.2	146.5	113.6	85.4	56.8	36.2	26.2	20.8	17.1	14.1
15°	281.1	219.9	171.3	132.8	99.7	70.4	41.5	28.5	22.4	18.2	15.0
12.5°	333.6	255.7	196.6	149.5	112.8	82.0	50.8	32.7	24.2	19.3	15.7
10°	382.4	292.6	220.4	166.7	125.8	91.6	59.8	36.2	25.7	20.2	16.4
7.5°	433.7	325.7	241.5	181.7	136.1	99.2	67.0	39.0	26.9	20.9	16.9
5°	471.8	350.1	259.4	193.1	143.5	104.7	72.2	41.0	27.7	21.4	17.2
2.5°	495.3	365.1	270.3	200.6	148.1	108.1	75.3	42.2	28.2	21.7	17.4
0°	503.3	370.1	274.0	203.1	149.6	109.2	76.4	42.6	28.4	21.8	17.5
-2.5°	495.3	365.1	270.3	200.6	148.1	108.1	75.3	42.2	28.2	21.7	17.4
-5°	471.8	350.1	259.4	193.1	143.5	104.7	72.2	41.0	27.7	21.4	17.2
-7.5°	433.7	325.7	241.5	181.7	136.1	99.2	67.0	39.0	26.9	20.9	16.9
-10°	382.4	292.6	220.4	166.7	125.8	91.6	59.8	36.2	25.7	20.2	16.4
-12.5°	333.6	255.7	196.6	149.5	112.8	82.0	50.8	32.7	24.2	19.3	15.7
-15°	281.1	219.9	171.3	132.8	99.7	70.4	41.5	28.5	22.4	18.2	15.0
-17.5°	233.2	186.2	146.5	113.6	85.4	56.8	36.2	26.2	20.8	17.1	14.1
-20°	191.3	154.4	123.6	95.6	69.2	42.2	30.3	23.7	19.3	16.0	13.1



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	154.4	127.0	100.8	76.8	51.3	35.1	26.2	21.2	17.6	14.8	11.9
-25°	123.6	100.8	79.3	56.2	38.1	28.0	23.0	19.2	16.1	13.4	10.8
-27.5°	95.6	76.8	56.2	39.1	29.5	24.2	20.3	17.1	14.6	12.0	10.4
-30°	69.2	51.3	38.1	29.5	24.7	20.8	17.8	15.4	13.0	10.8	9.9
-32.5°	42.2	35.1	28.0	24.2	20.8	18.1	15.8	13.5	11.2	10.2	9.4
-35°	30.3	26.2	23.0	20.3	17.8	15.8	13.7	11.6	10.4	9.6	8.9
-37.5°	23.7	21.2	19.2	17.1	15.4	13.5	11.6	10.5	9.8	9.1	8.7
-40°	19.3	17.6	16.1	14.6	13.0	11.2	10.4	9.8	9.1	8.7	8.7
-42.5°	16.0	14.8	13.4	12.0	10.8	10.2	9.6	9.1	8.7	8.7	8.2
-45°	13.1	11.9	10.8	10.4	9.9	9.4	8.9	8.7	8.7	8.2	7.6
-47.5°	10.6	10.3	9.9	9.5	9.1	8.7	8.7	8.7	8.1	7.6	7.6
-50°	9.6	9.3	9.0	8.7	8.7	8.7	8.4	7.9	7.6	7.6	7.6
-52.5°	8.7	8.7	8.7	8.7	8.4	8.0	7.6	7.6	7.6	7.6	7.6
-55°	8.7	8.5	8.2	7.9	7.6	7.6	7.6	7.6	7.6	7.6	7.6
-57.5°	7.7	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.5
-60°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.3	6.9
-62.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.5	7.2	6.9	6.6	6.2
-65°	7.6	7.6	7.6	7.4	7.2	7.0	6.7	6.4	6.1	5.8	5.5
-67.5°	7.0	6.9	6.7	6.5	6.3	6.1	5.8	5.6	5.5	5.5	5.5
-70°	6.0	5.9	5.7	5.6	5.5	5.5	5.5	5.5	5.5	5.3	5.1
-72.5°	5.5	5.5	5.5	5.5	5.5	5.4	5.2	5.0	4.8	4.5	4.2
-75°	5.1	5.0	4.9	4.7	4.6	4.4	4.2	3.8	3.5	3.1	2.7
-77.5°	3.7	3.6	3.4	3.1	2.9	2.7	2.4	2.2	2.2	2.2	2.2
-80°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.0
-82.5°	2.0	1.9	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.3	1.2
-85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-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



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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°	1.1	1.1	1.1	1.1	1.1	1.1	1.0	0.9	0.8	0.8	0.7
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
80°	1.9	1.7	1.6	1.4	1.3	1.1	1.1	1.1	1.1	1.1	1.1
77.5°	2.2	2.2	2.2	2.0	1.8	1.6	1.4	1.2	1.1	1.1	1.1
75°	2.3	2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.4	1.1	1.1
72.5°	3.7	3.2	2.7	2.2	2.2	2.2	2.2	2.1	1.8	1.5	1.2
70°	4.8	4.5	4.0	3.4	2.7	2.2	2.2	2.2	2.2	1.9	1.5
67.5°	5.5	5.2	4.8	4.5	3.8	3.1	2.4	2.2	2.2	2.2	1.8
65°	5.5	5.5	5.5	5.1	4.7	4.1	3.3	2.5	2.2	2.2	2.1
62.5°	5.8	5.5	5.5	5.5	5.2	4.8	4.2	3.3	2.4	2.2	2.2
60°	6.5	6.0	5.6	5.5	5.5	5.3	4.8	4.1	3.1	2.2	2.2
57.5°	7.1	6.7	6.2	5.7	5.5	5.5	5.2	4.7	3.8	2.7	2.2
55°	7.6	7.3	6.8	6.3	5.7	5.5	5.5	5.1	4.5	3.4	2.2
52.5°	7.6	7.6	7.3	6.8	6.2	5.6	5.5	5.5	4.8	4.0	2.7
50°	7.6	7.6	7.6	7.3	6.7	6.0	5.5	5.5	5.2	4.5	3.2
47.5°	7.6	7.6	7.6	7.6	7.1	6.5	5.8	5.5	5.5	4.8	3.7
45°	7.6	7.6	7.6	7.6	7.5	6.9	6.2	5.5	5.5	5.1	4.2
42.5°	7.6	7.6	7.6	7.6	7.6	7.3	6.6	5.8	5.5	5.3	4.5
40°	8.1	7.6	7.6	7.6	7.6	7.6	6.9	6.1	5.5	5.5	4.8
37.5°	8.7	7.9	7.6	7.6	7.6	7.6	7.2	6.4	5.6	5.5	5.0
35°	8.7	8.4	7.6	7.6	7.6	7.6	7.5	6.7	5.8	5.5	5.2
32.5°	8.7	8.7	8.0	7.6	7.6	7.6	7.6	7.0	6.1	5.5	5.4
30°	9.1	8.7	8.4	7.6	7.6	7.6	7.6	7.2	6.3	5.5	5.5
27.5°	9.5	8.7	8.7	7.9	7.6	7.6	7.6	7.4	6.5	5.6	5.5
25°	9.9	9.0	8.7	8.2	7.6	7.6	7.6	7.6	6.7	5.7	5.5
22.5°	10.3	9.3	8.7	8.5	7.6	7.6	7.6	7.6	6.9	5.9	5.5
20°	10.6	9.6	8.7	8.7	7.7	7.6	7.6	7.6	7.0	6.0	5.5
17.5°	11.1	9.9	8.9	8.7	8.0	7.6	7.6	7.6	7.2	6.2	5.5
15°	11.9	10.2	9.1	8.7	8.2	7.6	7.6	7.6	7.3	6.3	5.5
12.5°	12.6	10.4	9.3	8.7	8.3	7.6	7.6	7.6	7.4	6.4	5.5
10°	13.2	10.6	9.5	8.7	8.5	7.6	7.6	7.6	7.5	6.5	5.5
7.5°	13.6	10.7	9.6	8.7	8.6	7.6	7.6	7.6	7.5	6.5	5.5
5°	13.9	10.8	9.7	8.7	8.6	7.6	7.6	7.6	7.6	6.6	5.5
2.5°	14.1	10.9	9.8	8.7	8.7	7.6	7.6	7.6	7.6	6.6	5.5
0°	14.2	10.9	9.8	8.7	8.7	7.6	7.6	7.6	7.6	6.6	5.5
-2.5°	14.1	10.9	9.8	8.7	8.7	7.6	7.6	7.6	7.6	6.6	5.5
-5°	13.9	10.8	9.7	8.7	8.6	7.6	7.6	7.6	7.6	6.6	5.5
-7.5°	13.6	10.7	9.6	8.7	8.6	7.6	7.6	7.6	7.5	6.5	5.5
-10°	13.2	10.6	9.5	8.7	8.5	7.6	7.6	7.6	7.5	6.5	5.5
-12.5°	12.6	10.4	9.3	8.7	8.3	7.6	7.6	7.6	7.4	6.4	5.5
-15°	11.9	10.2	9.1	8.7	8.2	7.6	7.6	7.6	7.3	6.3	5.5
-17.5°	11.1	9.9	8.9	8.7	8.0	7.6	7.6	7.6	7.2	6.2	5.5
-20°	10.6	9.6	8.7	8.7	7.7	7.6	7.6	7.6	7.0	6.0	5.5



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-M-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°	10.3	9.3	8.7	8.5	7.6	7.6	7.6	7.6	6.9	5.9	5.5
-25°	9.9	9.0	8.7	8.2	7.6	7.6	7.6	7.6	6.7	5.7	5.5
-27.5°	9.5	8.7	8.7	7.9	7.6	7.6	7.6	7.4	6.5	5.6	5.5
-30°	9.1	8.7	8.4	7.6	7.6	7.6	7.6	7.2	6.3	5.5	5.5
-32.5°	8.7	8.7	8.0	7.6	7.6	7.6	7.6	7.0	6.1	5.5	5.4
-35°	8.7	8.4	7.6	7.6	7.6	7.6	7.5	6.7	5.8	5.5	5.2
-37.5°	8.7	7.9	7.6	7.6	7.6	7.6	7.2	6.4	5.6	5.5	5.0
-40°	8.1	7.6	7.6	7.6	7.6	7.6	6.9	6.1	5.5	5.5	4.8
-42.5°	7.6	7.6	7.6	7.6	7.6	7.3	6.6	5.8	5.5	5.3	4.5
-45°	7.6	7.6	7.6	7.6	7.5	6.9	6.2	5.5	5.5	5.1	4.2
-47.5°	7.6	7.6	7.6	7.6	7.1	6.5	5.8	5.5	5.5	4.8	3.7
-50°	7.6	7.6	7.6	7.3	6.7	6.0	5.5	5.5	5.2	4.5	3.2
-52.5°	7.6	7.6	7.3	6.8	6.2	5.6	5.5	5.5	4.8	4.0	2.7
-55°	7.6	7.3	6.8	6.3	5.7	5.5	5.5	5.1	4.5	3.4	2.2
-57.5°	7.1	6.7	6.2	5.7	5.5	5.5	5.2	4.7	3.8	2.7	2.2
-60°	6.5	6.0	5.6	5.5	5.5	5.3	4.8	4.1	3.1	2.2	2.2
-62.5°	5.8	5.5	5.5	5.5	5.2	4.8	4.2	3.3	2.4	2.2	2.2
-65°	5.5	5.5	5.5	5.1	4.7	4.1	3.3	2.5	2.2	2.2	2.1
-67.5°	5.5	5.2	4.8	4.5	3.8	3.1	2.4	2.2	2.2	2.2	1.8
-70°	4.8	4.5	4.0	3.4	2.7	2.2	2.2	2.2	2.2	1.9	1.5
-72.5°	3.7	3.2	2.7	2.2	2.2	2.2	2.2	2.1	1.8	1.5	1.2
-75°	2.3	2.2	2.2	2.2	2.2	2.2	1.9	1.7	1.4	1.1	1.1
-77.5°	2.2	2.2	2.2	2.0	1.8	1.6	1.4	1.2	1.1	1.1	1.1
-80°	1.9	1.7	1.6	1.4	1.3	1.1	1.1	1.1	1.1	1.1	1.1
-82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
-85°	1.1	1.1	1.1	1.1	1.1	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



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED5080-M-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°	1.1	0.9	0.8	0.6	0.4	0.2	0.0
77.5°	1.1	1.1	0.9	0.7	0.5	0.2	0.0
75°	1.1	1.1	1.1	0.9	0.6	0.3	0.0
72.5°	1.1	1.1	1.1	1.0	0.7	0.3	0.0
70°	1.1	1.1	1.1	1.1	0.8	0.4	0.0
67.5°	1.4	1.1	1.1	1.1	0.8	0.4	0.0
65°	1.7	1.2	1.1	1.1	0.9	0.5	0.0
62.5°	1.9	1.4	1.1	1.1	1.0	0.5	0.0
60°	2.2	1.6	1.1	1.1	1.1	0.5	0.0
57.5°	2.2	1.8	1.3	1.1	1.1	0.6	0.0
55°	2.2	2.0	1.4	1.1	1.1	0.6	0.0
52.5°	2.2	2.2	1.6	1.1	1.1	0.7	0.0
50°	2.2	2.2	1.7	1.1	1.1	0.7	0.0
47.5°	2.3	2.2	1.9	1.1	1.1	0.7	0.0
45°	2.7	2.2	2.0	1.2	1.1	0.8	0.0
42.5°	3.1	2.2	2.1	1.3	1.1	0.8	0.0
40°	3.5	2.2	2.2	1.4	1.1	0.8	0.0
37.5°	3.8	2.2	2.2	1.5	1.1	0.9	0.0
35°	4.2	2.4	2.2	1.6	1.1	0.9	0.0
32.5°	4.4	2.7	2.2	1.7	1.1	0.9	0.0
30°	4.6	2.9	2.2	1.8	1.1	1.0	0.0
27.5°	4.7	3.1	2.2	1.8	1.1	1.0	0.0
25°	4.9	3.4	2.2	1.9	1.1	1.0	0.0
22.5°	5.0	3.6	2.2	1.9	1.1	1.0	0.0
20°	5.1	3.7	2.2	2.0	1.1	1.0	0.0
17.5°	5.2	3.9	2.2	2.0	1.1	1.0	0.0
15°	5.3	4.0	2.2	2.1	1.1	1.1	0.0
12.5°	5.3	4.1	2.2	2.1	1.1	1.1	0.0
10°	5.4	4.2	2.2	2.1	1.1	1.1	0.0
7.5°	5.4	4.3	2.2	2.2	1.1	1.1	0.0
5°	5.5	4.4	2.2	2.2	1.1	1.1	0.0
2.5°	5.5	4.4	2.2	2.2	1.1	1.1	0.0
0°	5.5	4.4	2.2	2.2	1.1	1.1	0.0
-2.5°	5.5	4.4	2.2	2.2	1.1	1.1	0.0
-5°	5.5	4.4	2.2	2.2	1.1	1.1	0.0
-7.5°	5.4	4.3	2.2	2.2	1.1	1.1	0.0
-10°	5.4	4.2	2.2	2.1	1.1	1.1	0.0
-12.5°	5.3	4.1	2.2	2.1	1.1	1.1	0.0
-15°	5.3	4.0	2.2	2.1	1.1	1.1	0.0
-17.5°	5.2	3.9	2.2	2.0	1.1	1.0	0.0
-20°	5.1	3.7	2.2	2.0	1.1	1.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	5.0	3.6	2.2	1.9	1.1	1.0	0.0
-25°	4.9	3.4	2.2	1.9	1.1	1.0	0.0
-27.5°	4.7	3.1	2.2	1.8	1.1	1.0	0.0
-30°	4.6	2.9	2.2	1.8	1.1	1.0	0.0
-32.5°	4.4	2.7	2.2	1.7	1.1	0.9	0.0
-35°	4.2	2.4	2.2	1.6	1.1	0.9	0.0
-37.5°	3.8	2.2	2.2	1.5	1.1	0.9	0.0
-40°	3.5	2.2	2.2	1.4	1.1	0.8	0.0
-42.5°	3.1	2.2	2.1	1.3	1.1	0.8	0.0
-45°	2.7	2.2	2.0	1.2	1.1	0.8	0.0
-47.5°	2.3	2.2	1.9	1.1	1.1	0.7	0.0
-50°	2.2	2.2	1.7	1.1	1.1	0.7	0.0
-52.5°	2.2	2.2	1.6	1.1	1.1	0.7	0.0
-55°	2.2	2.0	1.4	1.1	1.1	0.6	0.0
-57.5°	2.2	1.8	1.3	1.1	1.1	0.6	0.0
-60°	2.2	1.6	1.1	1.1	1.1	0.5	0.0
-62.5°	1.9	1.4	1.1	1.1	1.0	0.5	0.0
-65°	1.7	1.2	1.1	1.1	0.9	0.5	0.0
-67.5°	1.4	1.1	1.1	1.1	0.8	0.4	0.0
-70°	1.1	1.1	1.1	1.1	0.8	0.4	0.0
-72.5°	1.1	1.1	1.1	1.0	0.7	0.3	0.0
-75°	1.1	1.1	1.1	0.9	0.6	0.3	0.0
-77.5°	1.1	1.1	0.9	0.7	0.5	0.2	0.0
-80°	1.1	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)