

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: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED2710-12-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (Pxxxxxx)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-8LED2710-12-BK
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD BLACK
Light Source: (1) SORAA 2700K 95 CRI 10°NSP LED
SM16-07-10D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

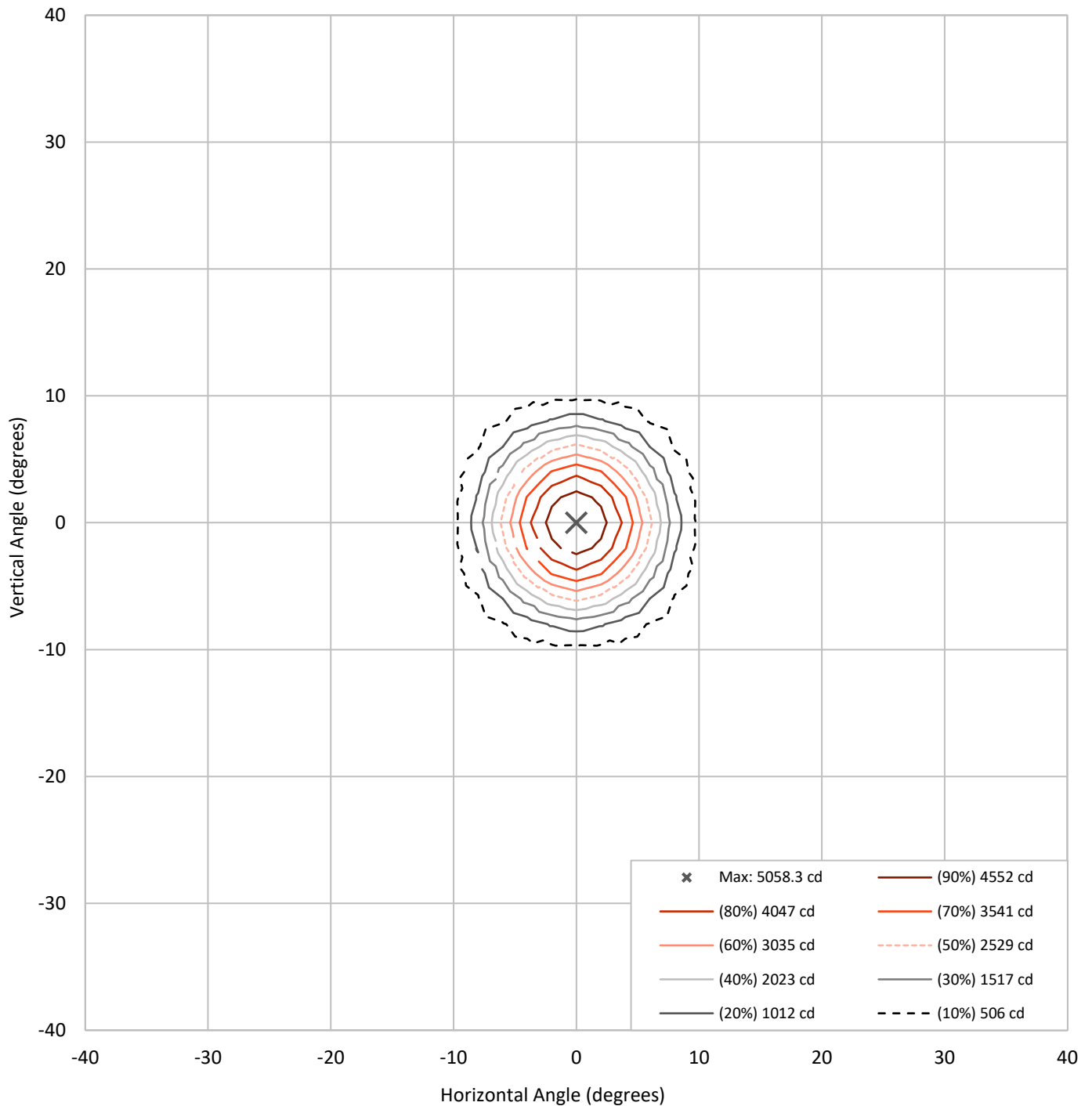
Lumens per Lamp:	N/A	NEMA Type:	2H x 2V
Luminaire Lumens:	270.5 lumens	Max Intensity:	5058.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	33.8 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	12.3°H x 12.3°V	Field Angle (10%):	19.5°H x 19.5°V
Beam Lumens:	116.7 lumens	Field Lumens:	204.7 lumens
Beam Efficiency:	43.2%	Field Efficiency:	75.7%

Input Watts (W): 8
Input Voltage (V): NR
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: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED2710-12-BK

Iso-Candela Plot





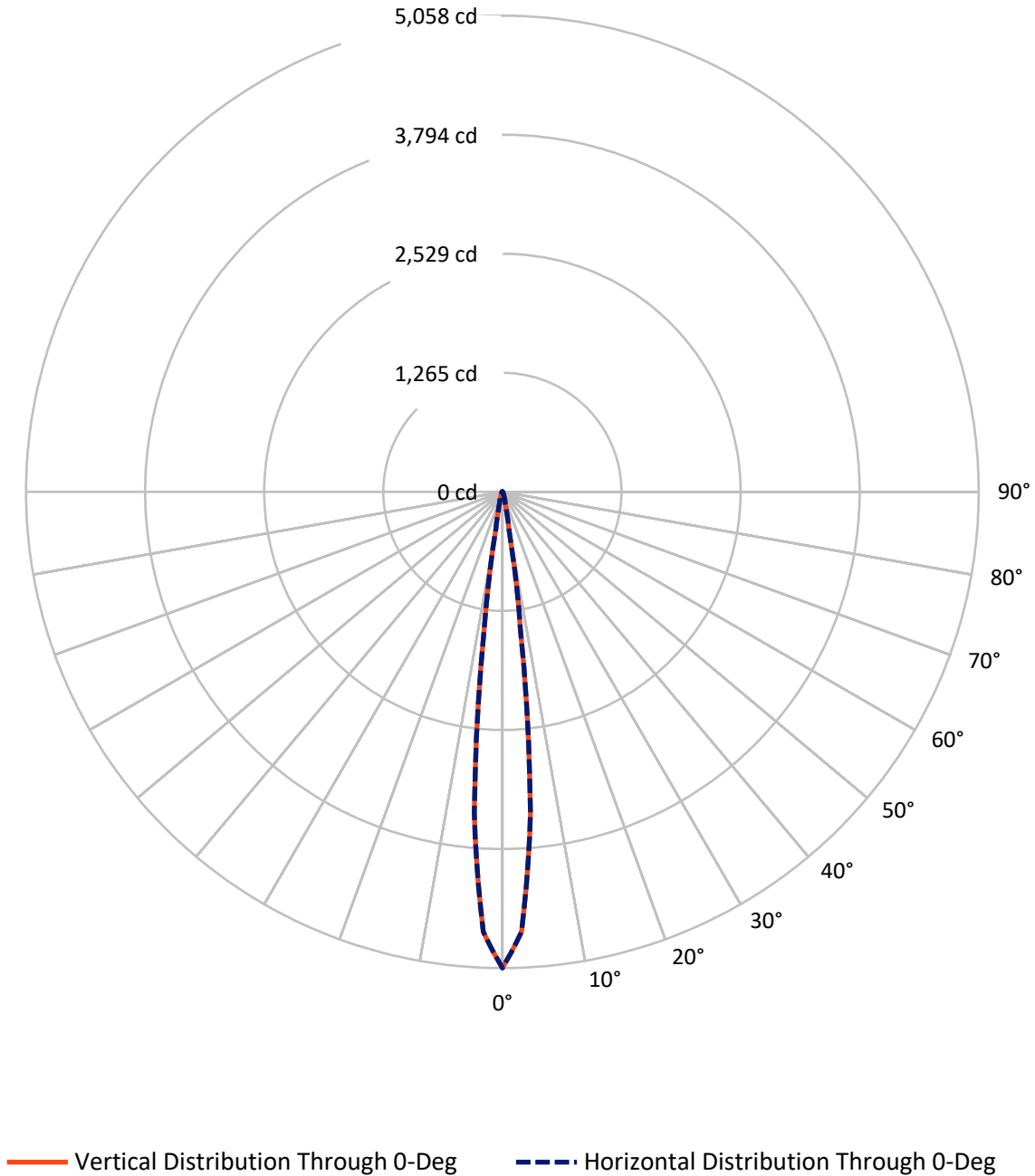
REPORT NUMBER: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-BK

Lumen Table

90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
50	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	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	0.0	0.1	0.2	0.4	0.5	0.8	0.8	0.5	0.4	0.2	0.1	0.0	0.0	0.0
20		0.0	0.0	0.1	0.3	0.5	1.4	3.6	3.6	1.4	0.5	0.3	0.1	0.0	0.0	
10	0.0	0.0	0.0	0.1	0.3	0.7	3.5	52.9	52.9	3.5	0.7	0.3	0.1	0.0	0.0	0.0
0		0.0	0.0	0.1	0.3	0.7	3.5	52.9	52.9	3.5	0.7	0.3	0.1	0.0	0.0	
-10	0.0	0.0	0.0	0.1	0.3	0.5	1.4	3.6	3.6	1.4	0.5	0.3	0.1	0.0	0.0	0.0
-20		0.0	0.0	0.1	0.2	0.4	0.5	0.8	0.8	0.5	0.4	0.2	0.1	0.0	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	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	
-50	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
-60		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

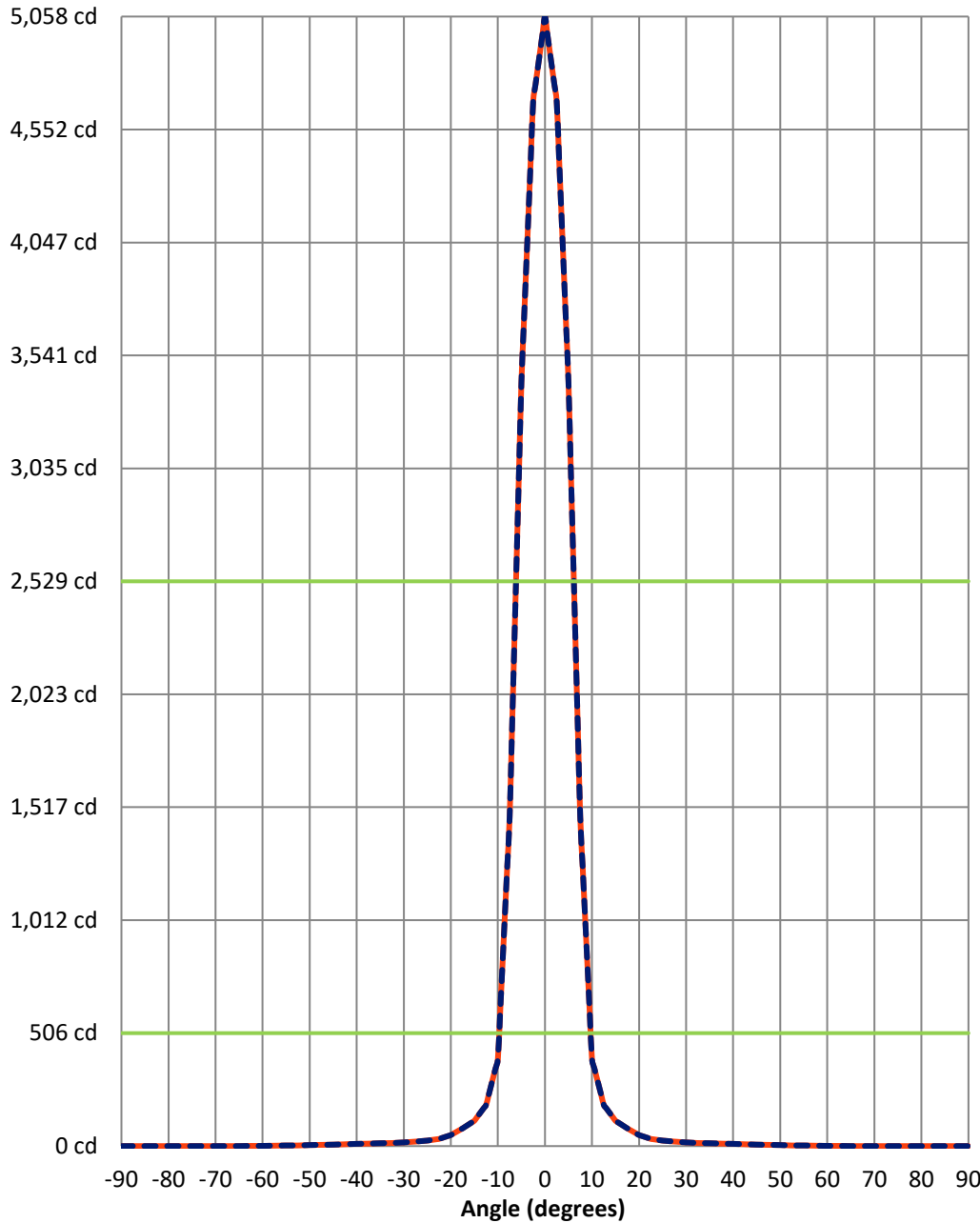
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CATALOG NUMBER: 203-8LED2710-12-BK

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 12.3°
V Angle: 12.3°
Lumens: 116.7
Efficiency: 43.2%

Field:
H Angle: 19.5°
V Angle: 19.5°
Lumens: 204.7
Efficiency: 75.7%

Spill:
Lumens: 65.8
Efficiency: 24.3%

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



REPORT NUMBER: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-BK

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	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-BK

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	0	0	0	0	0	0	0
-25°	0	0	0	0	0	0	0	0	0	0	0
-27.5°	0	0	0	0	0	0	0	0	0	0	0
-30°	0	0	0	0	0	0	0	0	0	0	0
-32.5°	0	0	0	0	0	0	0	0	0	0	0
-35°	0	0	0	0	0	0	0	0	0	0	0
-37.5°	0	0	0	0	0	0	0	0	0	0	0
-40°	0	0	0	0	0	0	0	0	0	0	0
-42.5°	0	0	0	0	0	0	0	0	0	0	0
-45°	0	0	0	0	0	0	0	0	0	0	0
-47.5°	0	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-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: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-BK

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	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	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	1
52.5°	0	0	0	0	0	0	0	0	1	1	1
50°	0	0	0	0	0	0	0	1	1	1	1
47.5°	0	0	0	0	0	0	1	1	1	1	2
45°	0	0	0	0	0	1	1	1	1	2	2
42.5°	0	0	0	0	1	1	1	1	2	2	3
40°	0	0	0	0	1	1	1	2	2	3	3
37.5°	0	0	0	1	1	1	2	2	3	3	4
35°	0	0	0	1	1	2	2	3	3	4	5
32.5°	0	0	1	1	1	2	3	3	3	5	5
30°	0	0	1	1	2	2	3	3	4	5	6
27.5°	0	0	1	1	2	3	3	4	5	6	6
25°	0	1	1	1	2	3	3	4	5	6	7
22.5°	0	1	1	2	2	3	4	5	6	6	8
20°	0	1	1	2	3	3	4	5	6	7	9
17.5°	0	1	1	2	3	3	5	5	6	8	9
15°	1	1	1	2	3	3	5	6	7	8	10
12.5°	1	1	1	2	3	4	5	6	7	9	10
10°	1	1	2	2	3	4	5	6	8	9	11
7.5°	1	1	2	3	3	4	5	6	8	10	11
5°	1	1	2	3	3	4	5	6	8	10	11
2.5°	1	1	2	3	3	5	5	6	8	10	11
0°	1	1	2	3	3	5	6	6	8	10	11
-2.5°	1	1	2	3	3	5	5	6	8	10	11
-5°	1	1	2	3	3	4	5	6	8	10	11
-7.5°	1	1	2	3	3	4	5	6	8	10	11
-10°	1	1	2	2	3	4	5	6	8	9	11
-12.5°	1	1	1	2	3	4	5	6	7	9	10
-15°	1	1	1	2	3	3	5	6	7	8	10
-17.5°	0	1	1	2	3	3	5	5	6	8	9
-20°	0	1	1	2	3	3	4	5	6	7	9



REPORT NUMBER: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-BK

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	0	1	1	2	2	3	4	5	6	6	8
-25°	0	1	1	1	2	3	3	4	5	6	7
-27.5°	0	0	1	1	2	3	3	4	5	6	6
-30°	0	0	1	1	2	2	3	3	4	5	6
-32.5°	0	0	1	1	1	2	3	3	3	5	5
-35°	0	0	0	1	1	2	2	3	3	4	5
-37.5°	0	0	0	1	1	1	2	2	3	3	4
-40°	0	0	0	0	1	1	1	2	2	3	3
-42.5°	0	0	0	0	1	1	1	1	2	2	3
-45°	0	0	0	0	0	1	1	1	1	2	2
-47.5°	0	0	0	0	0	0	1	1	1	1	2
-50°	0	0	0	0	0	0	0	1	1	1	1
-52.5°	0	0	0	0	0	0	0	0	1	1	1
-55°	0	0	0	0	0	0	0	0	0	0	1
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-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: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-BK

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	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	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	1	1	1
60°	0	0	0	0	1	1	1	1	1	1	1
57.5°	0	1	1	1	1	1	1	1	1	1	2
55°	1	1	1	1	1	2	2	2	2	2	2
52.5°	1	1	2	2	2	2	3	3	3	3	3
50°	2	2	2	3	3	3	3	3	3	4	4
47.5°	2	3	3	3	3	4	4	5	5	5	5
45°	3	3	3	4	4	5	5	5	6	6	6
42.5°	3	3	4	5	5	6	6	6	7	7	8
40°	4	5	5	6	6	6	7	8	8	9	9
37.5°	5	5	6	6	7	8	9	9	10	10	11
35°	5	6	7	8	9	9	10	11	11	11	12
32.5°	6	7	8	9	10	10	11	12	12	13	13
30°	7	8	9	10	11	11	12	13	13	14	15
27.5°	8	9	10	11	12	13	13	14	15	16	18
25°	9	10	11	12	13	13	15	16	18	20	21
22.5°	9	10	11	13	13	15	17	19	21	24	26
20°	10	11	12	13	15	17	19	22	25	29	34
17.5°	11	12	13	14	16	19	22	26	31	40	49
15°	11	12	13	15	18	21	25	31	42	56	74
12.5°	11	13	14	16	20	24	29	40	56	78	100
10°	12	13	15	18	21	26	34	49	74	100	139
7.5°	12	13	15	19	23	29	40	61	90	126	186
5°	13	14	16	19	24	30	45	71	102	157	293
2.5°	13	14	16	20	24	32	48	77	110	177	364
0°	13	14	16	20	25	32	49	79	113	184	389
-2.5°	13	14	16	20	24	32	48	77	110	177	364
-5°	13	14	16	19	24	30	45	71	102	157	293
-7.5°	12	13	15	19	23	29	40	61	90	126	186
-10°	12	13	15	18	21	26	34	49	74	100	139
-12.5°	11	13	14	16	20	24	29	40	56	78	100
-15°	11	12	13	15	18	21	25	31	42	56	74
-17.5°	11	12	13	14	16	19	22	26	31	40	49
-20°	10	11	12	13	15	17	19	22	25	29	34



REPORT NUMBER: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-BK

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	13	15	17	19	21	24	26
-25°	9	10	11	12	13	13	15	16	18	20	21
-27.5°	8	9	10	11	12	13	13	14	15	16	18
-30°	7	8	9	10	11	11	12	13	13	14	15
-32.5°	6	7	8	9	10	10	11	12	12	13	13
-35°	5	6	7	8	9	9	10	11	11	11	12
-37.5°	5	5	6	6	7	8	9	9	10	10	11
-40°	4	5	5	6	6	6	7	8	8	9	9
-42.5°	3	3	4	5	5	6	6	6	7	7	8
-45°	3	3	3	4	4	5	5	5	6	6	6
-47.5°	2	3	3	3	3	4	4	5	5	5	5
-50°	2	2	2	3	3	3	3	3	3	4	4
-52.5°	1	1	2	2	2	2	3	3	3	3	3
-55°	1	1	1	1	1	2	2	2	2	2	2
-57.5°	0	1	1	1	1	1	1	1	1	1	2
-60°	0	0	0	0	1	1	1	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	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-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: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-BK

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°	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	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	1	1	1	1	1	1	1	1	1	1	0
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	2	2	2	2	2	2	2	2	1	1	1
55°	3	3	3	3	3	3	3	2	2	2	2
52.5°	3	3	3	3	3	3	3	3	3	3	3
50°	4	4	5	5	5	4	4	4	4	3	3
47.5°	5	5	5	6	5	5	5	5	5	5	5
45°	6	6	6	6	6	6	6	6	6	6	5
42.5°	8	8	8	8	8	8	8	8	7	7	6
40°	10	10	10	10	10	10	10	9	9	8	8
37.5°	11	11	11	11	11	11	11	11	10	10	9
35°	12	13	13	13	13	13	12	12	11	11	11
32.5°	13	14	14	14	14	14	13	13	13	12	12
30°	15	16	16	16	16	16	15	15	14	13	13
27.5°	19	19	20	20	20	19	19	18	16	15	14
25°	23	24	24	25	24	24	23	21	20	18	16
22.5°	29	30	32	32	32	30	29	26	24	21	19
20°	40	45	48	49	48	45	40	34	29	25	22
17.5°	61	71	77	79	77	71	61	49	40	31	26
15°	90	102	110	113	110	102	90	74	56	42	31
12.5°	126	157	177	184	177	157	126	100	78	56	40
10°	186	293	364	389	364	293	186	139	100	74	49
7.5°	341	635	1182	1474	1182	635	341	186	126	90	61
5°	635	1788	2968	3422	2968	1788	635	293	157	102	71
2.5°	1182	2968	4275	4679	4275	2968	1182	364	177	110	77
0°	1474	3422	4679	5058	4679	3422	1474	389	184	113	79
-2.5°	1182	2968	4275	4679	4275	2968	1182	364	177	110	77
-5°	635	1788	2968	3422	2968	1788	635	293	157	102	71
-7.5°	341	635	1182	1474	1182	635	341	186	126	90	61
-10°	186	293	364	389	364	293	186	139	100	74	49
-12.5°	126	157	177	184	177	157	126	100	78	56	40
-15°	90	102	110	113	110	102	90	74	56	42	31
-17.5°	61	71	77	79	77	71	61	49	40	31	26
-20°	40	45	48	49	48	45	40	34	29	25	22



REPORT NUMBER: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-BK

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	29	30	32	32	32	30	29	26	24	21	19
-25°	23	24	24	25	24	24	23	21	20	18	16
-27.5°	19	19	20	20	20	19	19	18	16	15	14
-30°	15	16	16	16	16	16	15	15	14	13	13
-32.5°	13	14	14	14	14	14	13	13	13	12	12
-35°	12	13	13	13	13	13	12	12	11	11	11
-37.5°	11	11	11	11	11	11	11	11	10	10	9
-40°	10	10	10	10	10	10	10	9	9	8	8
-42.5°	8	8	8	8	8	8	8	8	7	7	6
-45°	6	6	6	6	6	6	6	6	6	6	5
-47.5°	5	5	5	6	5	5	5	5	5	5	5
-50°	4	4	5	5	5	4	4	4	4	3	3
-52.5°	3	3	3	3	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	2	2	2	2
-57.5°	2	2	2	2	2	2	2	2	1	1	1
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-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: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-BK

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°	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	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	1	1	1	0	0	0	0	0	0	0	0
57.5°	1	1	1	1	1	1	0	0	0	0	0
55°	2	2	1	1	1	1	1	1	0	0	0
52.5°	3	2	2	2	2	1	1	1	1	1	0
50°	3	3	3	3	2	2	2	1	1	1	1
47.5°	4	4	3	3	3	3	2	2	1	1	1
45°	5	5	4	4	3	3	3	2	2	1	1
42.5°	6	6	5	5	4	3	3	3	2	2	1
40°	7	6	6	6	5	5	4	3	3	2	2
37.5°	9	8	7	6	6	5	5	4	3	3	2
35°	10	9	9	8	7	6	5	5	4	3	3
32.5°	11	10	10	9	8	7	6	5	5	3	3
30°	12	11	11	10	9	8	7	6	5	4	3
27.5°	13	13	12	11	10	9	8	6	6	5	4
25°	15	13	13	12	11	10	9	7	6	5	4
22.5°	17	15	13	13	11	10	9	8	6	6	5
20°	19	17	15	13	12	11	10	9	7	6	5
17.5°	22	19	16	14	13	12	11	9	8	6	5
15°	25	21	18	15	13	12	11	10	8	7	6
12.5°	29	24	20	16	14	13	11	10	9	7	6
10°	34	26	21	18	15	13	12	11	9	8	6
7.5°	40	29	23	19	15	13	12	11	10	8	6
5°	45	30	24	19	16	14	13	11	10	8	6
2.5°	48	32	24	20	16	14	13	11	10	8	6
0°	49	32	25	20	16	14	13	11	10	8	6
-2.5°	48	32	24	20	16	14	13	11	10	8	6
-5°	45	30	24	19	16	14	13	11	10	8	6
-7.5°	40	29	23	19	15	13	12	11	10	8	6
-10°	34	26	21	18	15	13	12	11	9	8	6
-12.5°	29	24	20	16	14	13	11	10	9	7	6
-15°	25	21	18	15	13	12	11	10	8	7	6
-17.5°	22	19	16	14	13	12	11	9	8	6	5
-20°	19	17	15	13	12	11	10	9	7	6	5



REPORT NUMBER: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-BK

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	17	15	13	13	11	10	9	8	6	6	5
-25°	15	13	13	12	11	10	9	7	6	5	4
-27.5°	13	13	12	11	10	9	8	6	6	5	4
-30°	12	11	11	10	9	8	7	6	5	4	3
-32.5°	11	10	10	9	8	7	6	5	5	3	3
-35°	10	9	9	8	7	6	5	5	4	3	3
-37.5°	9	8	7	6	6	5	5	4	3	3	2
-40°	7	6	6	6	5	5	4	3	3	2	2
-42.5°	6	6	5	5	4	3	3	3	2	2	1
-45°	5	5	4	4	3	3	3	2	2	1	1
-47.5°	4	4	3	3	3	3	2	2	1	1	1
-50°	3	3	3	3	2	2	2	1	1	1	1
-52.5°	3	2	2	2	2	1	1	1	1	1	0
-55°	2	2	1	1	1	1	1	1	0	0	0
-57.5°	1	1	1	1	1	1	0	0	0	0	0
-60°	1	1	1	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-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: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-BK

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°	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	0
65°	0	0	0	0	0	0	0	0	0	0	0
62.5°	0	0	0	0	0	0	0	0	0	0	0
60°	0	0	0	0	0	0	0	0	0	0	0
57.5°	0	0	0	0	0	0	0	0	0	0	0
55°	0	0	0	0	0	0	0	0	0	0	0
52.5°	0	0	0	0	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0	0	0	0	0
47.5°	1	0	0	0	0	0	0	0	0	0	0
45°	1	1	0	0	0	0	0	0	0	0	0
42.5°	1	1	1	0	0	0	0	0	0	0	0
40°	1	1	1	0	0	0	0	0	0	0	0
37.5°	2	1	1	1	0	0	0	0	0	0	0
35°	2	2	1	1	0	0	0	0	0	0	0
32.5°	3	2	1	1	1	0	0	0	0	0	0
30°	3	2	2	1	1	0	0	0	0	0	0
27.5°	3	3	2	1	1	0	0	0	0	0	0
25°	3	3	2	1	1	1	0	0	0	0	0
22.5°	4	3	2	2	1	1	0	0	0	0	0
20°	4	3	3	2	1	1	0	0	0	0	0
17.5°	5	3	3	2	1	1	0	0	0	0	0
15°	5	3	3	2	1	1	1	0	0	0	0
12.5°	5	4	3	2	1	1	1	0	0	0	0
10°	5	4	3	2	2	1	1	0	0	0	0
7.5°	5	4	3	3	2	1	1	0	0	0	0
5°	5	4	3	3	2	1	1	0	0	0	0
2.5°	5	5	3	3	2	1	1	0	0	0	0
0°	6	5	3	3	2	1	1	0	0	0	0
-2.5°	5	5	3	3	2	1	1	0	0	0	0
-5°	5	4	3	3	2	1	1	0	0	0	0
-7.5°	5	4	3	3	2	1	1	0	0	0	0
-10°	5	4	3	2	2	1	1	0	0	0	0
-12.5°	5	4	3	2	1	1	1	0	0	0	0
-15°	5	3	3	2	1	1	1	0	0	0	0
-17.5°	5	3	3	2	1	1	0	0	0	0	0
-20°	4	3	3	2	1	1	0	0	0	0	0



REPORT NUMBER: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-BK

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4	3	2	2	1	1	0	0	0	0	0
-25°	3	3	2	1	1	1	0	0	0	0	0
-27.5°	3	3	2	1	1	0	0	0	0	0	0
-30°	3	2	2	1	1	0	0	0	0	0	0
-32.5°	3	2	1	1	1	0	0	0	0	0	0
-35°	2	2	1	1	0	0	0	0	0	0	0
-37.5°	2	1	1	1	0	0	0	0	0	0	0
-40°	1	1	1	0	0	0	0	0	0	0	0
-42.5°	1	1	1	0	0	0	0	0	0	0	0
-45°	1	1	0	0	0	0	0	0	0	0	0
-47.5°	1	0	0	0	0	0	0	0	0	0	0
-50°	0	0	0	0	0	0	0	0	0	0	0
-52.5°	0	0	0	0	0	0	0	0	0	0	0
-55°	0	0	0	0	0	0	0	0	0	0	0
-57.5°	0	0	0	0	0	0	0	0	0	0	0
-60°	0	0	0	0	0	0	0	0	0	0	0
-62.5°	0	0	0	0	0	0	0	0	0	0	0
-65°	0	0	0	0	0	0	0	0	0	0	0
-67.5°	0	0	0	0	0	0	0	0	0	0	0
-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: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED2710-12-BK

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°	0	0	0	0	0	0	0
50°	0	0	0	0	0	0	0
47.5°	0	0	0	0	0	0	0
45°	0	0	0	0	0	0	0
42.5°	0	0	0	0	0	0	0
40°	0	0	0	0	0	0	0
37.5°	0	0	0	0	0	0	0
35°	0	0	0	0	0	0	0
32.5°	0	0	0	0	0	0	0
30°	0	0	0	0	0	0	0
27.5°	0	0	0	0	0	0	0
25°	0	0	0	0	0	0	0
22.5°	0	0	0	0	0	0	0
20°	0	0	0	0	0	0	0
17.5°	0	0	0	0	0	0	0
15°	0	0	0	0	0	0	0
12.5°	0	0	0	0	0	0	0
10°	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0
0°	0	0	0	0	0	0	0
-2.5°	0	0	0	0	0	0	0
-5°	0	0	0	0	0	0	0
-7.5°	0	0	0	0	0	0	0
-10°	0	0	0	0	0	0	0
-12.5°	0	0	0	0	0	0	0
-15°	0	0	0	0	0	0	0
-17.5°	0	0	0	0	0	0	0
-20°	0	0	0	0	0	0	0



REPORT NUMBER: Pxxxxxx (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED2710-12-BK

CANDELA DISTRIBUTION (continued):

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