

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: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **203-8LED3036-12-CS-OSL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-47)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-8LED3036-12-CS-OSL
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER, OVERALL SPREAD LENS
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

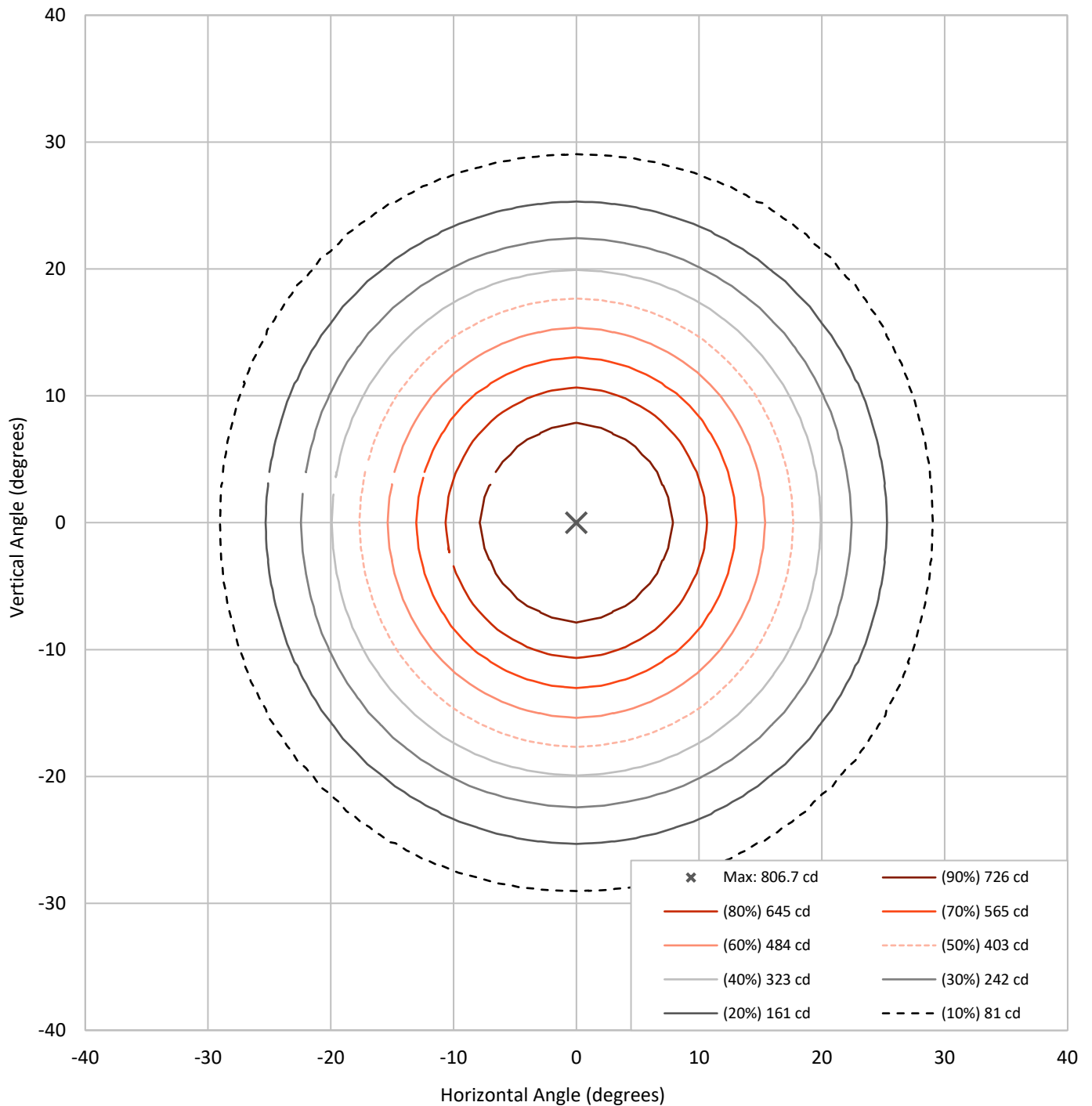
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	308.8 lumens	Max Intensity:	806.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	40.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	35.4°H x 35.4°V	Field Angle (10%):	58.1°H x 58.1°V
Beam Lumens:	174.3 lumens	Field Lumens:	279.7 lumens
Beam Efficiency:	56.5%	Field Efficiency:	90.6%
Input Watts (W):	7.6		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		



REPORT NUMBER: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 203-8LED3036-12-CS-OSL

Iso-Candela Plot





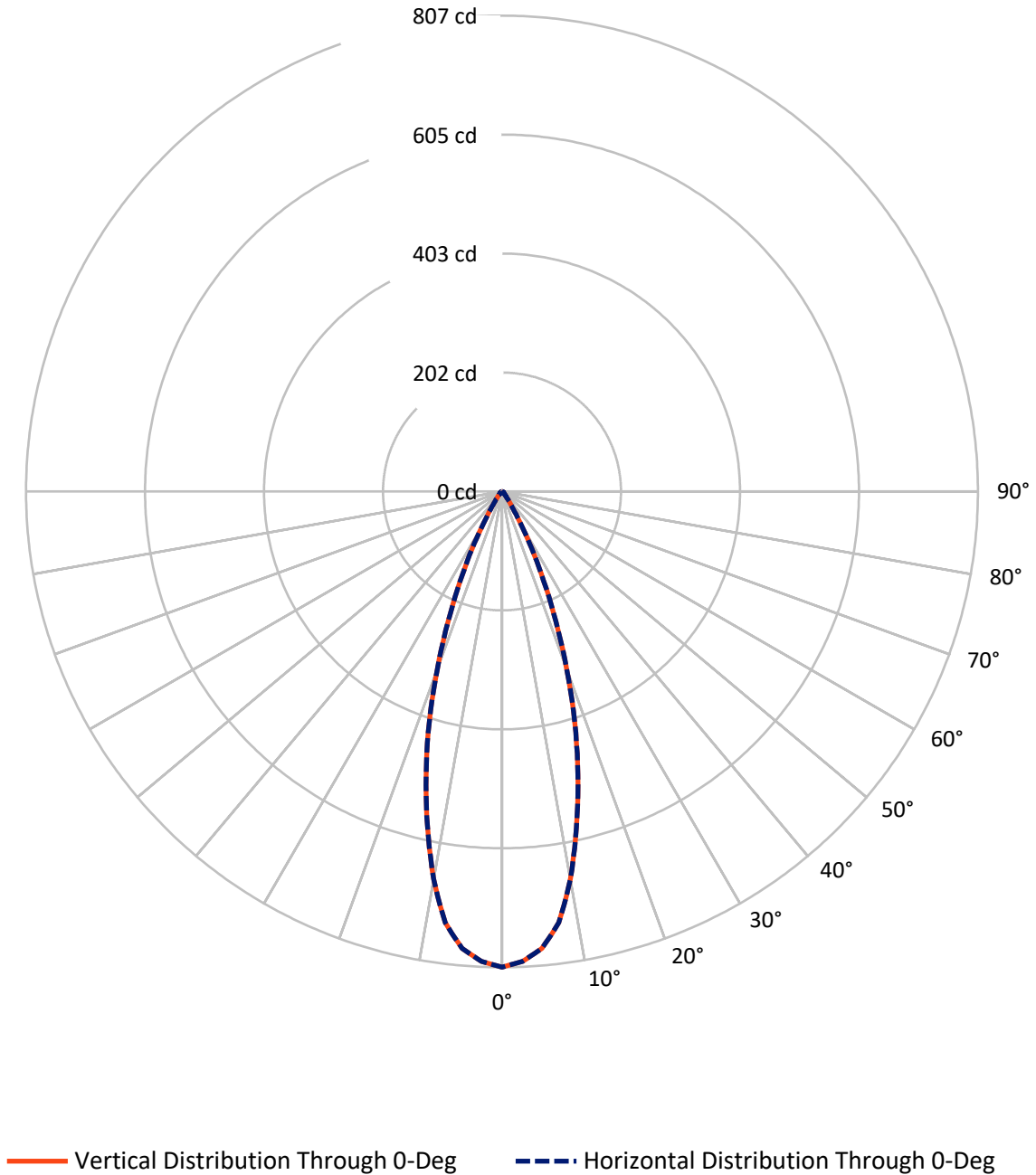
REPORT NUMBER: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.0															
80	0.0															
70	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	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	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.1	0.1	0.2	0.5	0.7	0.7	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0
20	0.0	0.0	0.1	0.2	0.8	2.6	4.9	4.9	2.6	0.8	0.2	0.1	0.0	0.0	0.0	0.0
10	0.0	0.0	0.1	0.4	2.5	8.3	13.9	13.9	8.3	2.5	0.4	0.1	0.0	0.0	0.0	0.0
0	0.0	0.0	0.1	0.6	4.5	13.5	21.7	21.7	13.5	4.5	0.6	0.1	0.1	0.0	0.0	0.0
-10	0.0	0.0	0.1	0.6	4.5	13.5	21.7	21.7	13.5	4.5	0.6	0.1	0.1	0.0	0.0	0.0
-20	0.0	0.0	0.1	0.4	2.5	8.3	13.9	13.9	8.3	2.5	0.4	0.1	0.0	0.0	0.0	0.0
-30	0.0	0.0	0.1	0.2	0.8	2.6	4.9	4.9	2.6	0.8	0.2	0.1	0.0	0.0	0.0	0.0
-40	0.0	0.0	0.1	0.1	0.2	0.5	0.7	0.7	0.5	0.2	0.1	0.1	0.0	0.0	0.0	0.0
-50	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.0	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	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															
-90	0.0															

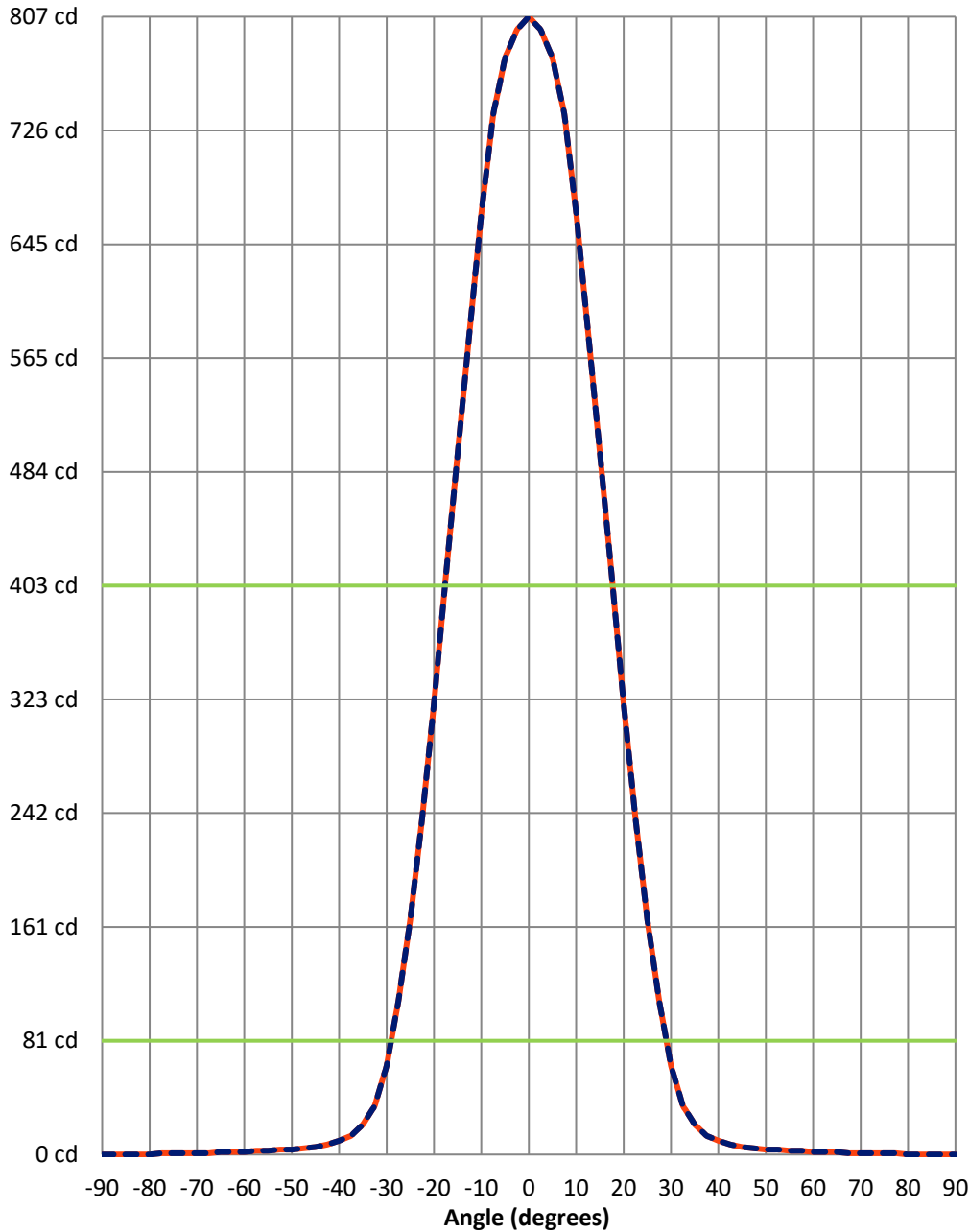
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 35.4°
 V Angle: 35.4°
 Lumens: 174.3
 Efficiency: 56.5%

Field:
 H Angle: 58.1°
 V Angle: 58.1°
 Lumens: 279.7
 Efficiency: 90.6%

Spill:
 Lumens: 29.1
 Efficiency: 9.4%

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



REPORT NUMBER: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
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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	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	1
57.5°	0	0	0	0	0	0	0	0	0	1	1
55°	0	0	0	0	0	0	0	0	0	1	1
52.5°	0	0	0	0	0	0	0	0	1	1	1
50°	0	0	0	0	0	0	0	0	1	1	1
47.5°	0	0	0	0	0	0	0	1	1	1	1
45°	0	0	0	0	0	0	0	1	1	1	1
42.5°	0	0	0	0	0	0	0	1	1	1	1
40°	0	0	0	0	0	0	1	1	1	1	1
37.5°	0	0	0	0	0	0	1	1	1	1	1
35°	0	0	0	0	0	0	1	1	1	1	1
32.5°	0	0	0	0	0	0	1	1	1	1	1
30°	0	0	0	0	0	0	1	1	1	1	1
27.5°	0	0	0	0	0	0	1	1	1	1	1
25°	0	0	0	0	0	0	1	1	1	1	1
22.5°	0	0	0	0	0	1	1	1	1	1	1
20°	0	0	0	0	0	1	1	1	1	1	1
17.5°	0	0	0	0	0	1	1	1	1	1	1
15°	0	0	0	0	0	1	1	1	1	1	1
12.5°	0	0	0	0	0	1	1	1	1	1	2
10°	0	0	0	0	0	1	1	1	1	1	2
7.5°	0	0	0	0	0	1	1	1	1	1	2
5°	0	0	0	0	0	1	1	1	1	1	2
2.5°	0	0	0	0	0	1	1	1	1	1	2
0°	0	0	0	0	0	1	1	1	1	1	2
-2.5°	0	0	0	0	0	1	1	1	1	1	2
-5°	0	0	0	0	0	1	1	1	1	1	2
-7.5°	0	0	0	0	0	1	1	1	1	1	2
-10°	0	0	0	0	0	1	1	1	1	1	2
-12.5°	0	0	0	0	0	1	1	1	1	1	2
-15°	0	0	0	0	0	1	1	1	1	1	1
-17.5°	0	0	0	0	0	1	1	1	1	1	1
-20°	0	0	0	0	0	1	1	1	1	1	1



REPORT NUMBER: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-OSL

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	1	1	1	1	1	1
-25°	0	0	0	0	0	0	1	1	1	1	1
-27.5°	0	0	0	0	0	0	1	1	1	1	1
-30°	0	0	0	0	0	0	1	1	1	1	1
-32.5°	0	0	0	0	0	0	1	1	1	1	1
-35°	0	0	0	0	0	0	1	1	1	1	1
-37.5°	0	0	0	0	0	0	1	1	1	1	1
-40°	0	0	0	0	0	0	1	1	1	1	1
-42.5°	0	0	0	0	0	0	0	1	1	1	1
-45°	0	0	0	0	0	0	0	1	1	1	1
-47.5°	0	0	0	0	0	0	0	1	1	1	1
-50°	0	0	0	0	0	0	0	0	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	1	1
-57.5°	0	0	0	0	0	0	0	0	0	1	1
-60°	0	0	0	0	0	0	0	0	0	0	1
-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: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-OSL

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	1	1
72.5°	0	0	0	0	0	0	1	1	1	1	1
70°	0	0	0	0	1	1	1	1	1	1	1
67.5°	0	0	1	1	1	1	1	1	1	1	1
65°	0	1	1	1	1	1	1	1	1	1	1
62.5°	1	1	1	1	1	1	1	1	1	1	1
60°	1	1	1	1	1	1	1	1	1	1	1
57.5°	1	1	1	1	1	1	1	1	1	2	2
55°	1	1	1	1	1	1	1	1	2	2	2
52.5°	1	1	1	1	1	1	2	2	2	2	2
50°	1	1	1	1	1	2	2	2	2	2	2
47.5°	1	1	1	1	2	2	2	2	2	2	3
45°	1	1	1	1	2	2	2	2	2	3	3
42.5°	1	1	1	2	2	2	2	2	3	3	3
40°	1	1	2	2	2	2	2	3	3	3	3
37.5°	1	1	2	2	2	2	3	3	3	3	4
35°	1	2	2	2	2	2	3	3	3	4	4
32.5°	1	2	2	2	2	3	3	3	4	4	4
30°	1	2	2	2	2	3	3	4	4	4	5
27.5°	2	2	2	2	3	3	3	4	4	5	5
25°	2	2	2	2	3	3	4	4	4	5	6
22.5°	2	2	2	3	3	3	4	4	5	5	7
20°	2	2	2	3	3	3	4	4	5	6	8
17.5°	2	2	2	3	3	4	4	4	5	7	9
15°	2	2	2	3	3	4	4	5	6	7	10
12.5°	2	2	2	3	3	4	4	5	6	8	11
10°	2	2	3	3	3	4	4	5	6	9	12
7.5°	2	2	3	3	3	4	4	5	7	9	12
5°	2	2	3	3	3	4	4	5	7	10	13
2.5°	2	2	3	3	3	4	4	5	7	10	13
0°	2	2	3	3	4	4	4	5	7	10	13
-2.5°	2	2	3	3	3	4	4	5	7	10	13
-5°	2	2	3	3	3	4	4	5	7	10	13
-7.5°	2	2	3	3	3	4	4	5	7	9	12
-10°	2	2	3	3	3	4	4	5	6	9	12
-12.5°	2	2	2	3	3	4	4	5	6	8	11
-15°	2	2	2	3	3	4	4	5	6	7	10
-17.5°	2	2	2	3	3	4	4	4	5	7	9
-20°	2	2	2	3	3	3	4	4	5	6	8



REPORT NUMBER: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2	2	2	3	3	3	4	4	5	5	7
-25°	2	2	2	2	3	3	4	4	4	5	6
-27.5°	2	2	2	2	3	3	3	4	4	5	5
-30°	1	2	2	2	2	3	3	4	4	4	5
-32.5°	1	2	2	2	2	3	3	3	4	4	4
-35°	1	2	2	2	2	2	3	3	3	4	4
-37.5°	1	1	2	2	2	2	3	3	3	3	4
-40°	1	1	2	2	2	2	2	3	3	3	3
-42.5°	1	1	1	2	2	2	2	2	3	3	3
-45°	1	1	1	1	2	2	2	2	2	3	3
-47.5°	1	1	1	1	2	2	2	2	2	2	3
-50°	1	1	1	1	1	2	2	2	2	2	2
-52.5°	1	1	1	1	1	1	2	2	2	2	2
-55°	1	1	1	1	1	1	1	1	2	2	2
-57.5°	1	1	1	1	1	1	1	1	1	2	2
-60°	1	1	1	1	1	1	1	1	1	1	1
-62.5°	1	1	1	1	1	1	1	1	1	1	1
-65°	0	1	1	1	1	1	1	1	1	1	1
-67.5°	0	0	1	1	1	1	1	1	1	1	1
-70°	0	0	0	0	1	1	1	1	1	1	1
-72.5°	0	0	0	0	0	0	1	1	1	1	1
-75°	0	0	0	0	0	0	0	0	0	1	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: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
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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
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	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	2	2	2	2	2	2	2	2
60°	2	2	2	2	2	2	2	2	2	2	2
57.5°	2	2	2	2	2	2	2	2	2	2	3
55°	2	2	2	2	2	3	3	3	3	3	3
52.5°	2	2	2	3	3	3	3	3	3	3	3
50°	2	3	3	3	3	3	3	4	4	4	4
47.5°	3	3	3	3	4	4	4	4	4	4	4
45°	3	3	4	4	4	4	4	4	5	5	5
42.5°	3	4	4	4	4	5	5	5	6	6	6
40°	4	4	4	5	5	5	6	7	7	8	9
37.5°	4	4	5	5	6	7	8	9	10	11	12
35°	4	5	5	6	8	9	10	12	13	15	17
32.5°	5	6	7	8	10	11	13	17	20	24	27
30°	5	7	8	10	12	15	20	25	31	37	46
27.5°	6	8	10	12	17	21	29	38	51	63	77
25°	8	10	12	17	22	31	45	61	81	103	124
22.5°	9	11	15	21	31	47	67	94	124	153	180
20°	10	13	20	29	45	67	99	135	172	209	246
17.5°	12	17	25	38	61	94	135	179	226	274	317
15°	13	20	31	51	81	124	172	226	283	341	394
12.5°	15	24	37	63	103	153	209	274	341	406	464
10°	17	27	46	77	124	180	246	317	394	464	528
7.5°	19	31	53	90	142	203	277	357	437	513	584
5°	20	33	59	100	156	222	300	386	470	551	628
2.5°	21	34	62	107	164	234	315	404	490	575	657
0°	21	35	63	109	167	238	320	410	497	583	668
-2.5°	21	34	62	107	164	234	315	404	490	575	657
-5°	20	33	59	100	156	222	300	386	470	551	628
-7.5°	19	31	53	90	142	203	277	357	437	513	584
-10°	17	27	46	77	124	180	246	317	394	464	528
-12.5°	15	24	37	63	103	153	209	274	341	406	464
-15°	13	20	31	51	81	124	172	226	283	341	394
-17.5°	12	17	25	38	61	94	135	179	226	274	317
-20°	10	13	20	29	45	67	99	135	172	209	246



REPORT NUMBER: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9	11	15	21	31	47	67	94	124	153	180
-25°	8	10	12	17	22	31	45	61	81	103	124
-27.5°	6	8	10	12	17	21	29	38	51	63	77
-30°	5	7	8	10	12	15	20	25	31	37	46
-32.5°	5	6	7	8	10	11	13	17	20	24	27
-35°	4	5	5	6	8	9	10	12	13	15	17
-37.5°	4	4	5	5	6	7	8	9	10	11	12
-40°	4	4	4	5	5	5	6	7	7	8	9
-42.5°	3	4	4	4	4	5	5	5	6	6	6
-45°	3	3	4	4	4	4	4	4	5	5	5
-47.5°	3	3	3	3	4	4	4	4	4	4	4
-50°	2	3	3	3	3	3	3	4	4	4	4
-52.5°	2	2	2	3	3	3	3	3	3	3	3
-55°	2	2	2	2	2	3	3	3	3	3	3
-57.5°	2	2	2	2	2	2	2	2	2	2	3
-60°	2	2	2	2	2	2	2	2	2	2	2
-62.5°	1	1	1	2	2	2	2	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	0	0	0	0	1	1	1	1	1	1
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-OSL

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°	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	1	1	1	1	1	1
67.5°	1	1	1	1	1	1	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	3	3	3	3	2	2	2
55°	3	3	3	3	3	3	3	3	3	3	3
52.5°	3	3	3	4	3	3	3	3	3	3	3
50°	4	4	4	4	4	4	4	4	4	4	4
47.5°	4	4	4	4	4	4	4	4	4	4	4
45°	5	5	5	5	5	5	5	5	5	5	4
42.5°	7	7	7	7	7	7	7	6	6	6	5
40°	9	10	10	10	10	10	9	9	8	7	7
37.5°	12	13	13	13	13	13	12	12	11	10	9
35°	19	20	21	21	21	20	19	17	15	13	12
32.5°	31	33	34	35	34	33	31	27	24	20	17
30°	53	59	62	63	62	59	53	46	37	31	25
27.5°	90	100	107	109	107	100	90	77	63	51	38
25°	142	156	164	167	164	156	142	124	103	81	61
22.5°	203	222	234	238	234	222	203	180	153	124	94
20°	277	300	315	320	315	300	277	246	209	172	135
17.5°	357	386	404	410	404	386	357	317	274	226	179
15°	437	470	490	497	490	470	437	394	341	283	226
12.5°	513	551	575	583	575	551	513	464	406	341	274
10°	584	628	657	668	657	628	584	528	464	394	317
7.5°	648	698	728	738	728	698	648	584	513	437	357
5°	698	748	770	778	770	748	698	628	551	470	386
2.5°	728	770	790	797	790	770	728	657	575	490	404
0°	738	778	797	807	797	778	738	668	583	497	410
-2.5°	728	770	790	797	790	770	728	657	575	490	404
-5°	698	748	770	778	770	748	698	628	551	470	386
-7.5°	648	698	728	738	728	698	648	584	513	437	357
-10°	584	628	657	668	657	628	584	528	464	394	317
-12.5°	513	551	575	583	575	551	513	464	406	341	274
-15°	437	470	490	497	490	470	437	394	341	283	226
-17.5°	357	386	404	410	404	386	357	317	274	226	179
-20°	277	300	315	320	315	300	277	246	209	172	135



REPORT NUMBER: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	203	222	234	238	234	222	203	180	153	124	94
-25°	142	156	164	167	164	156	142	124	103	81	61
-27.5°	90	100	107	109	107	100	90	77	63	51	38
-30°	53	59	62	63	62	59	53	46	37	31	25
-32.5°	31	33	34	35	34	33	31	27	24	20	17
-35°	19	20	21	21	21	20	19	17	15	13	12
-37.5°	12	13	13	13	13	13	12	12	11	10	9
-40°	9	10	10	10	10	10	9	9	8	7	7
-42.5°	7	7	7	7	7	7	7	6	6	6	5
-45°	5	5	5	5	5	5	5	5	5	5	4
-47.5°	4	4	4	4	4	4	4	4	4	4	4
-50°	4	4	4	4	4	4	4	4	4	4	4
-52.5°	3	3	3	4	3	3	3	3	3	3	3
-55°	3	3	3	3	3	3	3	3	3	3	3
-57.5°	3	3	3	3	3	3	3	3	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°	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°	1	1	1	1	1	1	1	1	1	1	1
-80°	0	0	0	0	0	0	0	0	0	0	0
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-OSL

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°	1	1	0	0	0	0	0	0	0	0	0
75°	1	1	1	1	1	1	1	1	1	0	0
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	1	1
62.5°	2	2	2	2	1	1	1	1	1	1	1
60°	2	2	2	2	2	2	2	1	1	1	1
57.5°	2	2	2	2	2	2	2	2	2	1	1
55°	3	3	2	2	2	2	2	2	2	2	1
52.5°	3	3	3	3	2	2	2	2	2	2	2
50°	3	3	3	3	3	3	2	2	2	2	2
47.5°	4	4	4	3	3	3	3	3	2	2	2
45°	4	4	4	4	4	3	3	3	3	2	2
42.5°	5	5	4	4	4	4	3	3	3	3	2
40°	6	5	5	5	4	4	4	3	3	3	3
37.5°	8	7	6	5	5	4	4	4	3	3	3
35°	10	9	8	6	5	5	4	4	4	3	3
32.5°	13	11	10	8	7	6	5	4	4	4	3
30°	20	15	12	10	8	7	5	5	4	4	4
27.5°	29	21	17	12	10	8	6	5	5	4	4
25°	45	31	22	17	12	10	8	6	5	4	4
22.5°	67	47	31	21	15	11	9	7	5	5	4
20°	99	67	45	29	20	13	10	8	6	5	4
17.5°	135	94	61	38	25	17	12	9	7	5	4
15°	172	124	81	51	31	20	13	10	7	6	5
12.5°	209	153	103	63	37	24	15	11	8	6	5
10°	246	180	124	77	46	27	17	12	9	6	5
7.5°	277	203	142	90	53	31	19	12	9	7	5
5°	300	222	156	100	59	33	20	13	10	7	5
2.5°	315	234	164	107	62	34	21	13	10	7	5
0°	320	238	167	109	63	35	21	13	10	7	5
-2.5°	315	234	164	107	62	34	21	13	10	7	5
-5°	300	222	156	100	59	33	20	13	10	7	5
-7.5°	277	203	142	90	53	31	19	12	9	7	5
-10°	246	180	124	77	46	27	17	12	9	6	5
-12.5°	209	153	103	63	37	24	15	11	8	6	5
-15°	172	124	81	51	31	20	13	10	7	6	5
-17.5°	135	94	61	38	25	17	12	9	7	5	4
-20°	99	67	45	29	20	13	10	8	6	5	4



REPORT NUMBER: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: 203-8LED3036-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	67	47	31	21	15	11	9	7	5	5	4
-25°	45	31	22	17	12	10	8	6	5	4	4
-27.5°	29	21	17	12	10	8	6	5	5	4	4
-30°	20	15	12	10	8	7	5	5	4	4	4
-32.5°	13	11	10	8	7	6	5	4	4	4	3
-35°	10	9	8	6	5	5	4	4	4	3	3
-37.5°	8	7	6	5	5	4	4	4	3	3	3
-40°	6	5	5	5	4	4	4	3	3	3	3
-42.5°	5	5	4	4	4	4	3	3	3	3	2
-45°	4	4	4	4	4	3	3	3	3	2	2
-47.5°	4	4	4	3	3	3	3	3	2	2	2
-50°	3	3	3	3	3	3	2	2	2	2	2
-52.5°	3	3	3	3	2	2	2	2	2	2	2
-55°	3	3	2	2	2	2	2	2	2	2	1
-57.5°	2	2	2	2	2	2	2	2	2	1	1
-60°	2	2	2	2	2	2	2	1	1	1	1
-62.5°	2	2	2	2	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	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	0	0
-77.5°	1	1	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: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-OSL

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°	1	0	0	0	0	0	0	0	0	0	0
70°	1	1	1	0	0	0	0	0	0	0	0
67.5°	1	1	1	1	1	0	0	0	0	0	0
65°	1	1	1	1	1	1	0	0	0	0	0
62.5°	1	1	1	1	1	1	1	0	0	0	0
60°	1	1	1	1	1	1	1	1	0	0	0
57.5°	1	1	1	1	1	1	1	1	1	0	0
55°	1	1	1	1	1	1	1	1	1	0	0
52.5°	2	1	1	1	1	1	1	1	1	1	0
50°	2	2	1	1	1	1	1	1	1	1	0
47.5°	2	2	2	1	1	1	1	1	1	1	1
45°	2	2	2	1	1	1	1	1	1	1	1
42.5°	2	2	2	2	1	1	1	1	1	1	1
40°	2	2	2	2	2	1	1	1	1	1	1
37.5°	3	2	2	2	2	1	1	1	1	1	1
35°	3	2	2	2	2	2	1	1	1	1	1
32.5°	3	3	2	2	2	2	1	1	1	1	1
30°	3	3	2	2	2	2	1	1	1	1	1
27.5°	3	3	3	2	2	2	2	1	1	1	1
25°	4	3	3	2	2	2	2	1	1	1	1
22.5°	4	3	3	3	2	2	2	1	1	1	1
20°	4	3	3	3	2	2	2	1	1	1	1
17.5°	4	4	3	3	2	2	2	1	1	1	1
15°	4	4	3	3	2	2	2	1	1	1	1
12.5°	4	4	3	3	2	2	2	2	1	1	1
10°	4	4	3	3	3	2	2	2	1	1	1
7.5°	4	4	3	3	3	2	2	2	1	1	1
5°	4	4	3	3	3	2	2	2	1	1	1
2.5°	4	4	3	3	3	2	2	2	1	1	1
0°	4	4	4	3	3	2	2	2	1	1	1
-2.5°	4	4	3	3	3	2	2	2	1	1	1
-5°	4	4	3	3	3	2	2	2	1	1	1
-7.5°	4	4	3	3	3	2	2	2	1	1	1
-10°	4	4	3	3	3	2	2	2	1	1	1
-12.5°	4	4	3	3	2	2	2	2	1	1	1
-15°	4	4	3	3	2	2	2	1	1	1	1
-17.5°	4	4	3	3	2	2	2	1	1	1	1
-20°	4	3	3	3	2	2	2	1	1	1	1



REPORT NUMBER: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4	3	3	3	2	2	2	1	1	1	1
-25°	4	3	3	2	2	2	2	1	1	1	1
-27.5°	3	3	3	2	2	2	2	1	1	1	1
-30°	3	3	2	2	2	2	1	1	1	1	1
-32.5°	3	3	2	2	2	2	1	1	1	1	1
-35°	3	2	2	2	2	2	1	1	1	1	1
-37.5°	3	2	2	2	2	1	1	1	1	1	1
-40°	2	2	2	2	2	1	1	1	1	1	1
-42.5°	2	2	2	2	1	1	1	1	1	1	1
-45°	2	2	2	1	1	1	1	1	1	1	1
-47.5°	2	2	2	1	1	1	1	1	1	1	1
-50°	2	2	1	1	1	1	1	1	1	1	0
-52.5°	2	1	1	1	1	1	1	1	1	1	0
-55°	1	1	1	1	1	1	1	1	1	0	0
-57.5°	1	1	1	1	1	1	1	1	1	0	0
-60°	1	1	1	1	1	1	1	1	0	0	0
-62.5°	1	1	1	1	1	1	1	0	0	0	0
-65°	1	1	1	1	1	1	0	0	0	0	0
-67.5°	1	1	1	1	1	0	0	0	0	0	0
-70°	1	1	1	0	0	0	0	0	0	0	0
-72.5°	1	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: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-OSL

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°	1	0	0	0	0	0	0
37.5°	1	0	0	0	0	0	0
35°	1	0	0	0	0	0	0
32.5°	1	0	0	0	0	0	0
30°	1	0	0	0	0	0	0
27.5°	1	0	0	0	0	0	0
25°	1	0	0	0	0	0	0
22.5°	1	1	0	0	0	0	0
20°	1	1	0	0	0	0	0
17.5°	1	1	0	0	0	0	0
15°	1	1	0	0	0	0	0
12.5°	1	1	0	0	0	0	0
10°	1	1	0	0	0	0	0
7.5°	1	1	0	0	0	0	0
5°	1	1	0	0	0	0	0
2.5°	1	1	0	0	0	0	0
0°	1	1	0	0	0	0	0
-2.5°	1	1	0	0	0	0	0
-5°	1	1	0	0	0	0	0
-7.5°	1	1	0	0	0	0	0
-10°	1	1	0	0	0	0	0
-12.5°	1	1	0	0	0	0	0
-15°	1	1	0	0	0	0	0
-17.5°	1	1	0	0	0	0	0
-20°	1	1	0	0	0	0	0



REPORT NUMBER: P246992 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-OSL

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1	1	0	0	0	0	0
-25°	1	0	0	0	0	0	0
-27.5°	1	0	0	0	0	0	0
-30°	1	0	0	0	0	0	0
-32.5°	1	0	0	0	0	0	0
-35°	1	0	0	0	0	0	0
-37.5°	1	0	0	0	0	0	0
-40°	1	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)