

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: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-569-44)
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-DIFF
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 3000K CCT, 36 DEGREE WIDE OPTIC,
REGRESSED HOOD SILVER, DIFFUSED LENS
Light Source: (1) SORAA 3000K 90 CRI LED
SM16-07-36D-930-03
Ballast/Driver: (1) CHROMA POWER SUPPLY IN0004

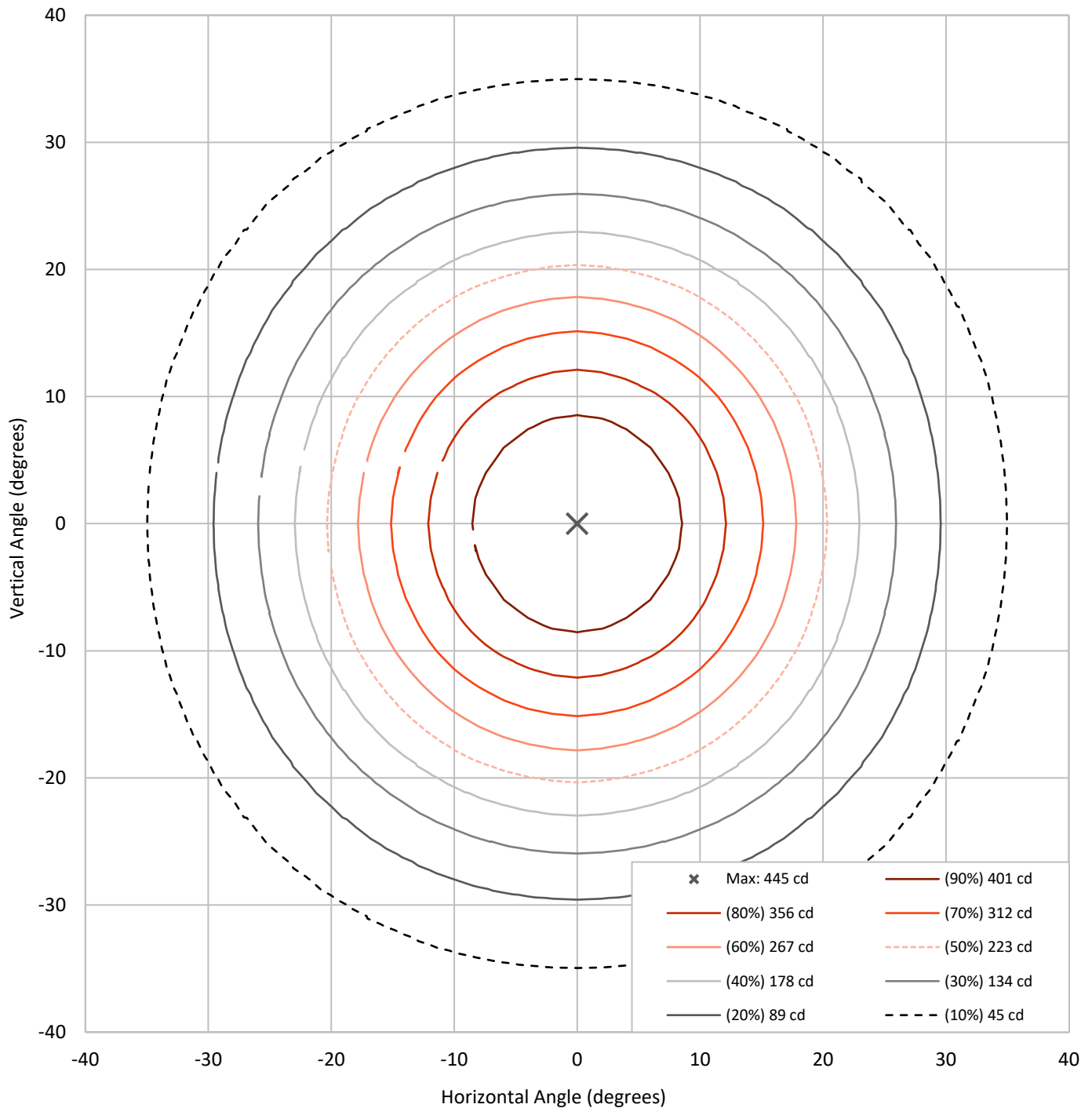
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	238 lumens	Max Intensity:	445 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	30.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.7°H x 40.7°V	Field Angle (10%):	69.7°H x 69.7°V
Beam Lumens:	127.5 lumens	Field Lumens:	210.9 lumens
Beam Efficiency:	53.6%	Field Efficiency:	88.6%
Input Watts (W):	7.7		
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: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot





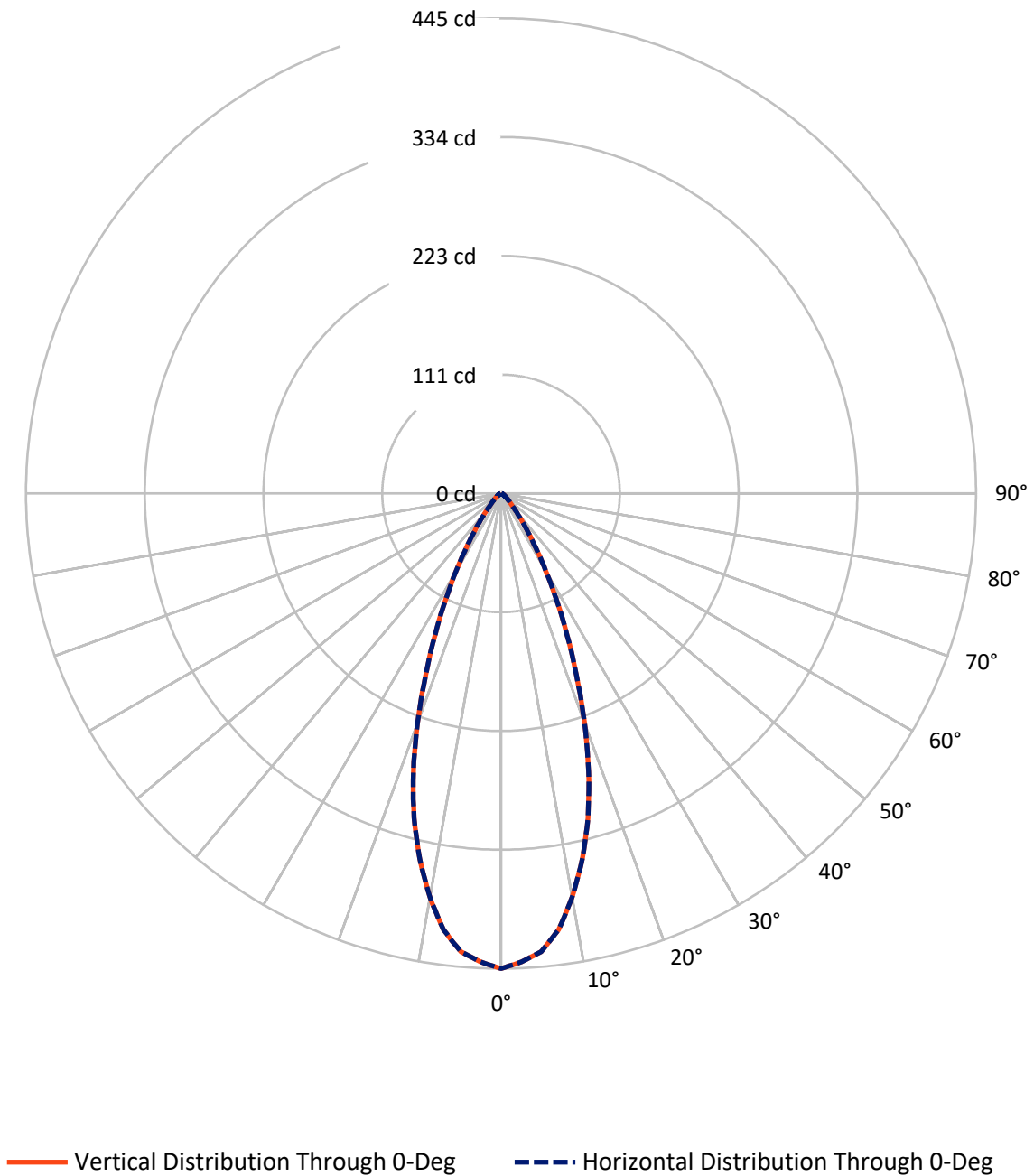
REPORT NUMBER: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90																			
80	0.0	0.0		0.0		0.1		0.1		0.1		0.0		0.0		0.0			
70																			
60	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			
50		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0				
40	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			
30		0.0	0.0	0.1	0.2	0.5	0.9	1.3	1.3	0.9	0.5	0.2	0.1	0.0	0.0				
20	0.0	0.0	0.1	0.2	0.4	1.3	2.9	4.3	4.3	2.9	1.3	0.4	0.2	0.1	0.0	0.0			
10		0.0	0.1	0.2	0.8	2.7	6.1	8.9	8.9	6.1	2.7	0.8	0.2	0.1	0.0				
0	0.0	0.0	0.1	0.3	1.1	3.9	8.7	12.2	12.2	8.7	3.9	1.1	0.3	0.1	0.0	0.0			
-10		0.0	0.1	0.3	1.1	3.9	8.7	12.2	12.2	8.7	3.9	1.1	0.3	0.1	0.0				
-20	0.0	0.0	0.1	0.2	0.8	2.7	6.1	8.9	8.9	6.1	2.7	0.8	0.2	0.1	0.0	0.0			
-30		0.0	0.1	0.2	0.4	1.3	2.9	4.3	4.3	2.9	1.3	0.4	0.2	0.1	0.0				
-40	0.0	0.0	0.0	0.1	0.2	0.5	0.9	1.3	1.3	0.9	0.5	0.2	0.1	0.0	0.0	0.0			
-50		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				
-60	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0			
-70		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				
-80	0.0	0.0		0.0		0.1		0.1		0.1		0.0		0.0		0.0			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

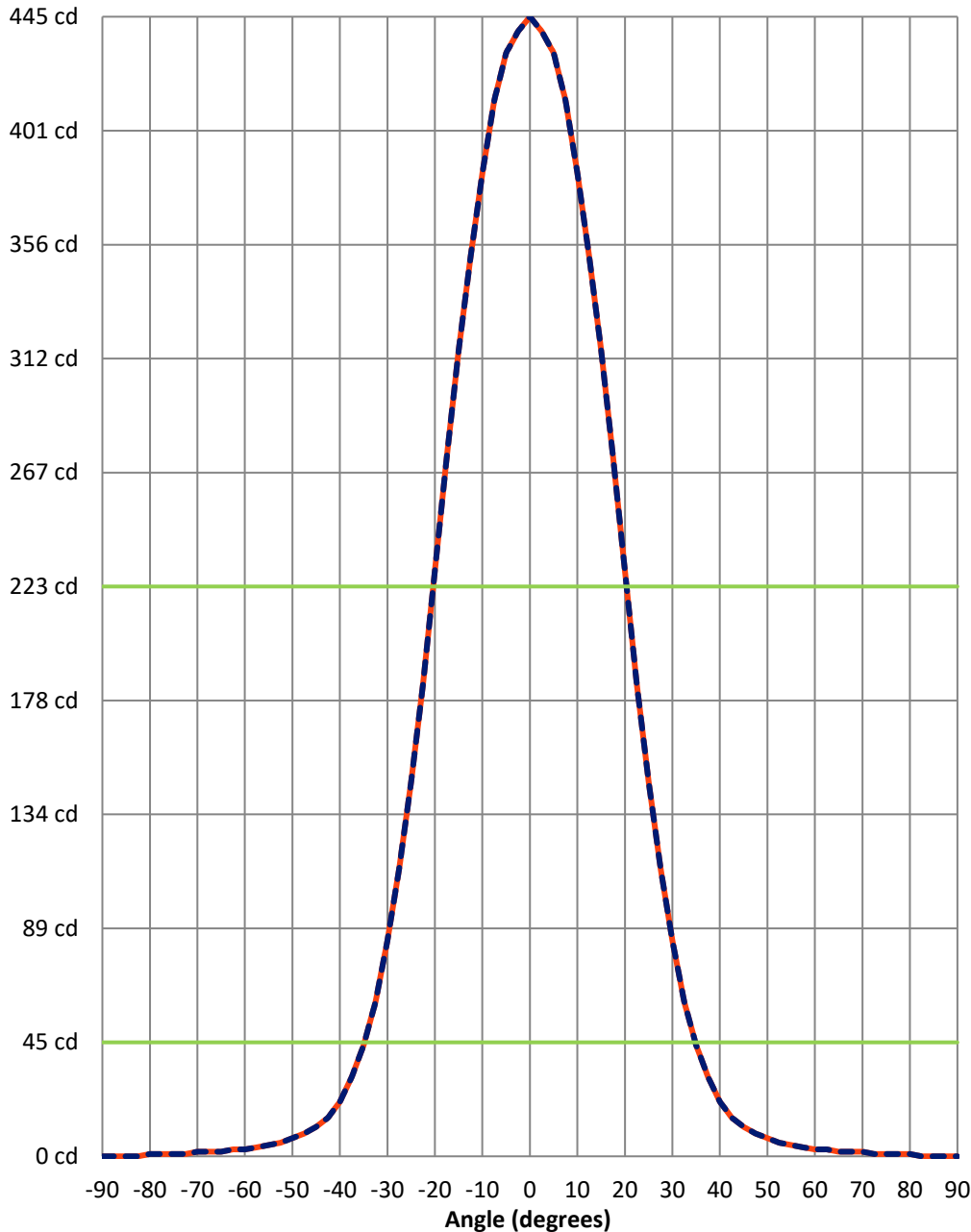
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 40.7°
 V Angle: 40.7°
 Lumens: 127.5
 Efficiency: 53.6%

Field:
 H Angle: 69.7°
 V Angle: 69.7°
 Lumens: 210.9
 Efficiency: 88.6%

Spill:
 Lumens: 27.1
 Efficiency: 11.4%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0	0
82.5°	0	0	0	0	0	0	0	0	0	0	0
80°	0	0	0	0	0	0	0	0	0	0	0
77.5°	0	0	0	0	0	0	0	0	0	0	0
75°	0	0	0	0	0	0	0	0	0	0	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	1
65°	0	0	0	0	0	0	0	0	0	1	1
62.5°	0	0	0	0	0	0	0	0	1	1	1
60°	0	0	0	0	0	0	0	0	1	1	1
57.5°	0	0	0	0	0	0	0	1	1	1	1
55°	0	0	0	0	0	0	0	1	1	1	1
52.5°	0	0	0	0	0	0	1	1	1	1	1
50°	0	0	0	0	0	0	1	1	1	1	1
47.5°	0	0	0	0	0	0	1	1	1	1	1
45°	0	0	0	0	0	0	1	1	1	1	1
42.5°	0	0	0	0	0	1	1	1	1	1	1
40°	0	0	0	0	0	1	1	1	1	1	1
37.5°	0	0	0	0	0	1	1	1	1	1	2
35°	0	0	0	0	0	1	1	1	1	1	2
32.5°	0	0	0	0	0	1	1	1	1	1	2
30°	0	0	0	0	0	1	1	1	1	2	2
27.5°	0	0	0	0	0	1	1	1	1	2	2
25°	0	0	0	0	1	1	1	1	1	2	2
22.5°	0	0	0	0	1	1	1	1	1	2	2
20°	0	0	0	0	1	1	1	1	1	2	2
17.5°	0	0	0	0	1	1	1	1	1	2	2
15°	0	0	0	0	1	1	1	1	2	2	2
12.5°	0	0	0	0	1	1	1	1	2	2	2
10°	0	0	0	0	1	1	1	1	2	2	2
7.5°	0	0	0	0	1	1	1	1	2	2	2
5°	0	0	0	0	1	1	1	1	2	2	2
2.5°	0	0	0	0	1	1	1	1	2	2	2
0°	0	0	0	0	1	1	1	1	2	2	2
-2.5°	0	0	0	0	1	1	1	1	2	2	2
-5°	0	0	0	0	1	1	1	1	2	2	2
-7.5°	0	0	0	0	1	1	1	1	2	2	2
-10°	0	0	0	0	1	1	1	1	2	2	2
-12.5°	0	0	0	0	1	1	1	1	2	2	2
-15°	0	0	0	0	1	1	1	1	2	2	2
-17.5°	0	0	0	0	1	1	1	1	1	2	2
-20°	0	0	0	0	1	1	1	1	1	2	2



REPORT NUMBER: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-DIFF

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	1	1	1	1	1	2	2
-25°	0	0	0	0	1	1	1	1	1	2	2
-27.5°	0	0	0	0	0	1	1	1	1	2	2
-30°	0	0	0	0	0	1	1	1	1	2	2
-32.5°	0	0	0	0	0	1	1	1	1	1	2
-35°	0	0	0	0	0	1	1	1	1	1	2
-37.5°	0	0	0	0	0	1	1	1	1	1	2
-40°	0	0	0	0	0	1	1	1	1	1	1
-42.5°	0	0	0	0	0	1	1	1	1	1	1
-45°	0	0	0	0	0	0	1	1	1	1	1
-47.5°	0	0	0	0	0	0	1	1	1	1	1
-50°	0	0	0	0	0	0	1	1	1	1	1
-52.5°	0	0	0	0	0	0	1	1	1	1	1
-55°	0	0	0	0	0	0	0	1	1	1	1
-57.5°	0	0	0	0	0	0	0	1	1	1	1
-60°	0	0	0	0	0	0	0	0	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	1	1
-67.5°	0	0	0	0	0	0	0	0	0	0	1
-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: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)
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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
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	1	1	1
75°	0	0	0	0	1	1	1	1	1	1	1
72.5°	0	0	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	2
62.5°	1	1	1	1	1	1	1	1	2	2	2
60°	1	1	1	1	1	1	2	2	2	2	2
57.5°	1	1	1	1	1	2	2	2	2	2	2
55°	1	1	1	2	2	2	2	2	2	2	3
52.5°	1	1	1	2	2	2	2	2	2	3	3
50°	1	1	2	2	2	2	2	3	3	3	3
47.5°	1	2	2	2	2	2	3	3	3	3	3
45°	1	2	2	2	2	3	3	3	3	4	4
42.5°	2	2	2	2	2	3	3	3	4	4	5
40°	2	2	2	2	3	3	3	4	4	5	5
37.5°	2	2	2	3	3	3	3	4	5	5	6
35°	2	2	2	3	3	3	4	5	5	6	7
32.5°	2	2	3	3	3	4	4	5	6	7	9
30°	2	2	3	3	3	4	5	5	7	8	10
27.5°	2	2	3	3	4	4	5	6	8	9	11
25°	2	3	3	3	4	5	5	7	8	10	13
22.5°	2	3	3	3	4	5	6	8	9	12	15
20°	2	3	3	4	4	5	7	8	10	13	17
17.5°	2	3	3	4	5	6	7	9	11	14	19
15°	2	3	3	4	5	6	8	10	12	16	21
12.5°	2	3	3	4	5	6	8	10	13	17	24
10°	3	3	3	4	5	7	8	11	14	19	27
7.5°	3	3	3	4	5	7	9	11	14	20	29
5°	3	3	3	4	5	7	9	11	15	21	30
2.5°	3	3	3	4	5	7	9	11	15	21	31
0°	3	3	4	4	5	7	9	12	15	21	31
-2.5°	3	3	3	4	5	7	9	11	15	21	31
-5°	3	3	3	4	5	7	9	11	15	21	30
-7.5°	3	3	3	4	5	7	9	11	14	20	29
-10°	3	3	3	4	5	7	8	11	14	19	27
-12.5°	2	3	3	4	5	6	8	10	13	17	24
-15°	2	3	3	4	5	6	8	10	12	16	21
-17.5°	2	3	3	4	5	6	7	9	11	14	19
-20°	2	3	3	4	4	5	7	8	10	13	17



REPORT NUMBER: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2	3	3	3	4	5	6	8	9	12	15
-25°	2	3	3	3	4	5	5	7	8	10	13
-27.5°	2	2	3	3	4	4	5	6	8	9	11
-30°	2	2	3	3	3	4	5	5	7	8	10
-32.5°	2	2	3	3	3	4	4	5	6	7	9
-35°	2	2	2	3	3	3	4	5	5	6	7
-37.5°	2	2	2	3	3	3	3	4	5	5	6
-40°	2	2	2	2	3	3	3	4	4	5	5
-42.5°	2	2	2	2	2	3	3	3	4	4	5
-45°	1	2	2	2	2	3	3	3	3	4	4
-47.5°	1	2	2	2	2	2	3	3	3	3	3
-50°	1	1	2	2	2	2	2	3	3	3	3
-52.5°	1	1	1	2	2	2	2	2	2	3	3
-55°	1	1	1	2	2	2	2	2	2	2	3
-57.5°	1	1	1	1	1	2	2	2	2	2	2
-60°	1	1	1	1	1	1	2	2	2	2	2
-62.5°	1	1	1	1	1	1	1	1	2	2	2
-65°	1	1	1	1	1	1	1	1	1	1	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°	0	0	1	1	1	1	1	1	1	1	1
-75°	0	0	0	0	1	1	1	1	1	1	1
-77.5°	0	0	0	0	0	0	0	0	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: P246989 (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	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	1	1	1	1	1	1	1	1	2	2	2
67.5°	1	1	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
62.5°	2	2	2	2	2	2	2	2	2	2	3
60°	2	2	2	2	3	3	3	3	3	3	3
57.5°	2	3	3	3	3	3	3	3	3	3	3
55°	3	3	3	3	3	3	4	4	4	4	4
52.5°	3	3	3	4	4	4	4	5	5	5	5
50°	3	4	4	4	5	5	5	6	6	6	7
47.5°	4	4	5	5	5	6	7	7	8	8	8
45°	5	5	5	6	7	8	8	9	10	10	11
42.5°	5	6	7	8	8	9	10	11	12	13	14
40°	6	7	8	9	10	12	13	14	16	17	19
37.5°	7	9	10	11	13	15	17	19	21	24	27
35°	9	10	12	14	16	19	23	27	30	34	37
32.5°	10	12	14	17	21	26	31	36	41	46	51
30°	12	14	18	22	28	34	41	48	55	62	70
27.5°	14	17	22	29	36	44	53	63	74	84	94
25°	16	21	28	36	45	56	69	82	96	109	121
22.5°	19	26	34	44	56	71	87	104	121	138	153
20°	23	31	41	53	69	87	107	128	149	169	188
17.5°	27	36	48	63	82	104	128	153	178	203	227
15°	30	41	55	74	96	121	149	178	208	239	265
12.5°	34	46	62	84	109	138	169	203	239	271	299
10°	37	51	70	94	121	153	188	227	265	299	328
7.5°	40	55	76	101	132	166	205	247	286	322	351
5°	42	58	81	107	140	176	218	261	302	338	368
2.5°	43	60	83	111	145	182	226	270	311	348	380
0°	43	60	84	113	146	184	229	273	315	351	384
-2.5°	43	60	83	111	145	182	226	270	311	348	380
-5°	42	58	81	107	140	176	218	261	302	338	368
-7.5°	40	55	76	101	132	166	205	247	286	322	351
-10°	37	51	70	94	121	153	188	227	265	299	328
-12.5°	34	46	62	84	109	138	169	203	239	271	299
-15°	30	41	55	74	96	121	149	178	208	239	265
-17.5°	27	36	48	63	82	104	128	153	178	203	227
-20°	23	31	41	53	69	87	107	128	149	169	188



REPORT NUMBER: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	19	26	34	44	56	71	87	104	121	138	153
-25°	16	21	28	36	45	56	69	82	96	109	121
-27.5°	14	17	22	29	36	44	53	63	74	84	94
-30°	12	14	18	22	28	34	41	48	55	62	70
-32.5°	10	12	14	17	21	26	31	36	41	46	51
-35°	9	10	12	14	16	19	23	27	30	34	37
-37.5°	7	9	10	11	13	15	17	19	21	24	27
-40°	6	7	8	9	10	12	13	14	16	17	19
-42.5°	5	6	7	8	8	9	10	11	12	13	14
-45°	5	5	5	6	7	8	8	9	10	10	11
-47.5°	4	4	5	5	5	6	7	7	8	8	8
-50°	3	4	4	4	5	5	5	6	6	6	7
-52.5°	3	3	3	4	4	4	4	5	5	5	5
-55°	3	3	3	3	3	3	4	4	4	4	4
-57.5°	2	3	3	3	3	3	3	3	3	3	3
-60°	2	2	2	2	3	3	3	3	3	3	3
-62.5°	2	2	2	2	2	2	2	2	2	2	3
-65°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	1	1	2	2	2	2	2	2	2	2	2
-70°	1	1	1	1	1	1	1	1	2	2	2
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1
-80°	0	0	0	0	1	1	1	1	1	1	1
-82.5°	0	0	0	0	0	0	0	0	0	0	0
-85°	0	0	0	0	0	0	0	0	0	0	0
-87.5°	0	0	0	0	0	0	0	0	0	0	0
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-DIFF

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°	1	1	1	1	1	1	1	1	1	1	1
77.5°	1	1	1	1	1	1	1	1	1	1	1
75°	1	1	1	1	1	1	1	1	1	1	1
72.5°	1	1	1	1	1	1	1	1	1	1	1
70°	2	2	2	2	2	2	2	2	2	2	1
67.5°	2	2	2	2	2	2	2	2	2	2	2
65°	2	2	2	2	2	2	2	2	2	2	2
62.5°	3	3	3	3	3	3	3	3	2	2	2
60°	3	3	3	3	3	3	3	3	3	3	3
57.5°	3	3	3	4	3	3	3	3	3	3	3
55°	4	4	4	4	4	4	4	4	4	4	4
52.5°	5	5	5	5	5	5	5	5	5	5	5
50°	7	7	7	7	7	7	7	7	6	6	6
47.5°	9	9	9	9	9	9	9	8	8	8	7
45°	11	11	11	12	11	11	11	11	10	10	9
42.5°	14	15	15	15	15	15	14	14	13	12	11
40°	20	21	21	21	21	21	20	19	17	16	14
37.5°	29	30	31	31	31	30	29	27	24	21	19
35°	40	42	43	43	43	42	40	37	34	30	27
32.5°	55	58	60	60	60	58	55	51	46	41	36
30°	76	81	83	84	83	81	76	70	62	55	48
27.5°	101	107	111	113	111	107	101	94	84	74	63
25°	132	140	145	146	145	140	132	121	109	96	82
22.5°	166	176	182	184	182	176	166	153	138	121	104
20°	205	218	226	229	226	218	205	188	169	149	128
17.5°	247	261	270	273	270	261	247	227	203	178	153
15°	286	302	311	315	311	302	286	265	239	208	178
12.5°	322	338	348	351	348	338	322	299	271	239	203
10°	351	368	380	384	380	368	351	328	299	265	227
7.5°	376	396	409	412	409	396	376	351	322	286	247
5°	396	416	427	431	427	416	396	368	338	302	261
2.5°	409	427	437	439	437	427	409	380	348	311	270
0°	412	431	439	445	439	431	412	384	351	315	273
-2.5°	409	427	437	439	437	427	409	380	348	311	270
-5°	396	416	427	431	427	416	396	368	338	302	261
-7.5°	376	396	409	412	409	396	376	351	322	286	247
-10°	351	368	380	384	380	368	351	328	299	265	227
-12.5°	322	338	348	351	348	338	322	299	271	239	203
-15°	286	302	311	315	311	302	286	265	239	208	178
-17.5°	247	261	270	273	270	261	247	227	203	178	153
-20°	205	218	226	229	226	218	205	188	169	149	128



REPORT NUMBER: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	166	176	182	184	182	176	166	153	138	121	104
-25°	132	140	145	146	145	140	132	121	109	96	82
-27.5°	101	107	111	113	111	107	101	94	84	74	63
-30°	76	81	83	84	83	81	76	70	62	55	48
-32.5°	55	58	60	60	60	58	55	51	46	41	36
-35°	40	42	43	43	43	42	40	37	34	30	27
-37.5°	29	30	31	31	31	30	29	27	24	21	19
-40°	20	21	21	21	21	21	20	19	17	16	14
-42.5°	14	15	15	15	15	15	14	14	13	12	11
-45°	11	11	11	12	11	11	11	11	10	10	9
-47.5°	9	9	9	9	9	9	9	8	8	8	7
-50°	7	7	7	7	7	7	7	7	6	6	6
-52.5°	5	5	5	5	5	5	5	5	5	5	5
-55°	4	4	4	4	4	4	4	4	4	4	4
-57.5°	3	3	3	4	3	3	3	3	3	3	3
-60°	3	3	3	3	3	3	3	3	3	3	3
-62.5°	3	3	3	3	3	3	3	3	2	2	2
-65°	2	2	2	2	2	2	2	2	2	2	2
-67.5°	2	2	2	2	2	2	2	2	2	2	2
-70°	2	2	2	2	2	2	2	2	2	2	1
-72.5°	1	1	1	1	1	1	1	1	1	1	1
-75°	1	1	1	1	1	1	1	1	1	1	1
-77.5°	1	1	1	1	1	1	1	1	1	1	1
-80°	1	1	1	1	1	1	1	1	1	1	1
-82.5°	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: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-DIFF

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°	1	1	1	0	0	0	0	0	0	0	0
77.5°	1	1	1	1	1	1	1	1	1	1	0
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°	2	2	2	2	2	1	1	1	1	1	1
65°	2	2	2	2	2	2	2	2	1	1	1
62.5°	2	2	2	2	2	2	2	2	2	2	1
60°	3	3	3	2	2	2	2	2	2	2	2
57.5°	3	3	3	3	3	3	2	2	2	2	2
55°	4	3	3	3	3	3	3	3	2	2	2
52.5°	4	4	4	4	3	3	3	3	3	2	2
50°	5	5	5	4	4	4	3	3	3	3	3
47.5°	7	6	5	5	5	4	4	3	3	3	3
45°	8	8	7	6	5	5	5	4	4	3	3
42.5°	10	9	8	8	7	6	5	5	4	4	3
40°	13	12	10	9	8	7	6	5	5	4	4
37.5°	17	15	13	11	10	9	7	6	5	5	4
35°	23	19	16	14	12	10	9	7	6	5	5
32.5°	31	26	21	17	14	12	10	9	7	6	5
30°	41	34	28	22	18	14	12	10	8	7	5
27.5°	53	44	36	29	22	17	14	11	9	8	6
25°	69	56	45	36	28	21	16	13	10	8	7
22.5°	87	71	56	44	34	26	19	15	12	9	8
20°	107	87	69	53	41	31	23	17	13	10	8
17.5°	128	104	82	63	48	36	27	19	14	11	9
15°	149	121	96	74	55	41	30	21	16	12	10
12.5°	169	138	109	84	62	46	34	24	17	13	10
10°	188	153	121	94	70	51	37	27	19	14	11
7.5°	205	166	132	101	76	55	40	29	20	14	11
5°	218	176	140	107	81	58	42	30	21	15	11
2.5°	226	182	145	111	83	60	43	31	21	15	11
0°	229	184	146	113	84	60	43	31	21	15	12
-2.5°	226	182	145	111	83	60	43	31	21	15	11
-5°	218	176	140	107	81	58	42	30	21	15	11
-7.5°	205	166	132	101	76	55	40	29	20	14	11
-10°	188	153	121	94	70	51	37	27	19	14	11
-12.5°	169	138	109	84	62	46	34	24	17	13	10
-15°	149	121	96	74	55	41	30	21	16	12	10
-17.5°	128	104	82	63	48	36	27	19	14	11	9
-20°	107	87	69	53	41	31	23	17	13	10	8



REPORT NUMBER: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	87	71	56	44	34	26	19	15	12	9	8
-25°	69	56	45	36	28	21	16	13	10	8	7
-27.5°	53	44	36	29	22	17	14	11	9	8	6
-30°	41	34	28	22	18	14	12	10	8	7	5
-32.5°	31	26	21	17	14	12	10	9	7	6	5
-35°	23	19	16	14	12	10	9	7	6	5	5
-37.5°	17	15	13	11	10	9	7	6	5	5	4
-40°	13	12	10	9	8	7	6	5	5	4	4
-42.5°	10	9	8	8	7	6	5	5	4	4	3
-45°	8	8	7	6	5	5	5	4	4	3	3
-47.5°	7	6	5	5	5	4	4	3	3	3	3
-50°	5	5	5	4	4	4	3	3	3	3	3
-52.5°	4	4	4	4	3	3	3	3	3	2	2
-55°	4	3	3	3	3	3	3	3	2	2	2
-57.5°	3	3	3	3	3	3	2	2	2	2	2
-60°	3	3	3	2	2	2	2	2	2	2	2
-62.5°	2	2	2	2	2	2	2	2	2	2	1
-65°	2	2	2	2	2	2	2	2	1	1	1
-67.5°	2	2	2	2	2	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	0
-80°	1	1	1	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: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-DIFF

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



REPORT NUMBER: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6	5	4	3	3	3	2	2	2	1	1
-25°	5	5	4	3	3	3	2	2	2	1	1
-27.5°	5	4	4	3	3	2	2	2	2	1	1
-30°	5	4	3	3	3	2	2	2	2	1	1
-32.5°	4	4	3	3	3	2	2	2	1	1	1
-35°	4	3	3	3	2	2	2	2	1	1	1
-37.5°	3	3	3	3	2	2	2	2	1	1	1
-40°	3	3	3	2	2	2	2	1	1	1	1
-42.5°	3	3	2	2	2	2	2	1	1	1	1
-45°	3	3	2	2	2	2	1	1	1	1	1
-47.5°	3	2	2	2	2	2	1	1	1	1	1
-50°	2	2	2	2	2	1	1	1	1	1	1
-52.5°	2	2	2	2	1	1	1	1	1	1	1
-55°	2	2	2	2	1	1	1	1	1	1	1
-57.5°	2	2	1	1	1	1	1	1	1	1	1
-60°	2	1	1	1	1	1	1	1	1	1	0
-62.5°	1	1	1	1	1	1	1	1	1	1	0
-65°	1	1	1	1	1	1	1	1	1	0	0
-67.5°	1	1	1	1	1	1	1	1	0	0	0
-70°	1	1	1	1	1	1	1	0	0	0	0
-72.5°	1	1	1	1	1	0	0	0	0	0	0
-75°	1	1	1	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: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-DIFF

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°	1	0	0	0	0	0	0
50°	1	0	0	0	0	0	0
47.5°	1	0	0	0	0	0	0
45°	1	0	0	0	0	0	0
42.5°	1	1	0	0	0	0	0
40°	1	1	0	0	0	0	0
37.5°	1	1	0	0	0	0	0
35°	1	1	0	0	0	0	0
32.5°	1	1	0	0	0	0	0
30°	1	1	0	0	0	0	0
27.5°	1	1	0	0	0	0	0
25°	1	1	1	0	0	0	0
22.5°	1	1	1	0	0	0	0
20°	1	1	1	0	0	0	0
17.5°	1	1	1	0	0	0	0
15°	1	1	1	0	0	0	0
12.5°	1	1	1	0	0	0	0
10°	1	1	1	0	0	0	0
7.5°	1	1	1	0	0	0	0
5°	1	1	1	0	0	0	0
2.5°	1	1	1	0	0	0	0
0°	1	1	1	0	0	0	0
-2.5°	1	1	1	0	0	0	0
-5°	1	1	1	0	0	0	0
-7.5°	1	1	1	0	0	0	0
-10°	1	1	1	0	0	0	0
-12.5°	1	1	1	0	0	0	0
-15°	1	1	1	0	0	0	0
-17.5°	1	1	1	0	0	0	0
-20°	1	1	1	0	0	0	0



REPORT NUMBER: P246989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 203-8LED3036-12-CS-DIFF

CANDELA DISTRIBUTION (continued):

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