

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: P394717

Luminaire Tested: **303-B1-LEDB2-3500-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394717
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-4)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B1-LEDB2-3500-UNV-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 2 WITH EDGE GLOW
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1350.9 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
IES Classification: Type II - Short
BUG Rating: B1 - U1 - G1

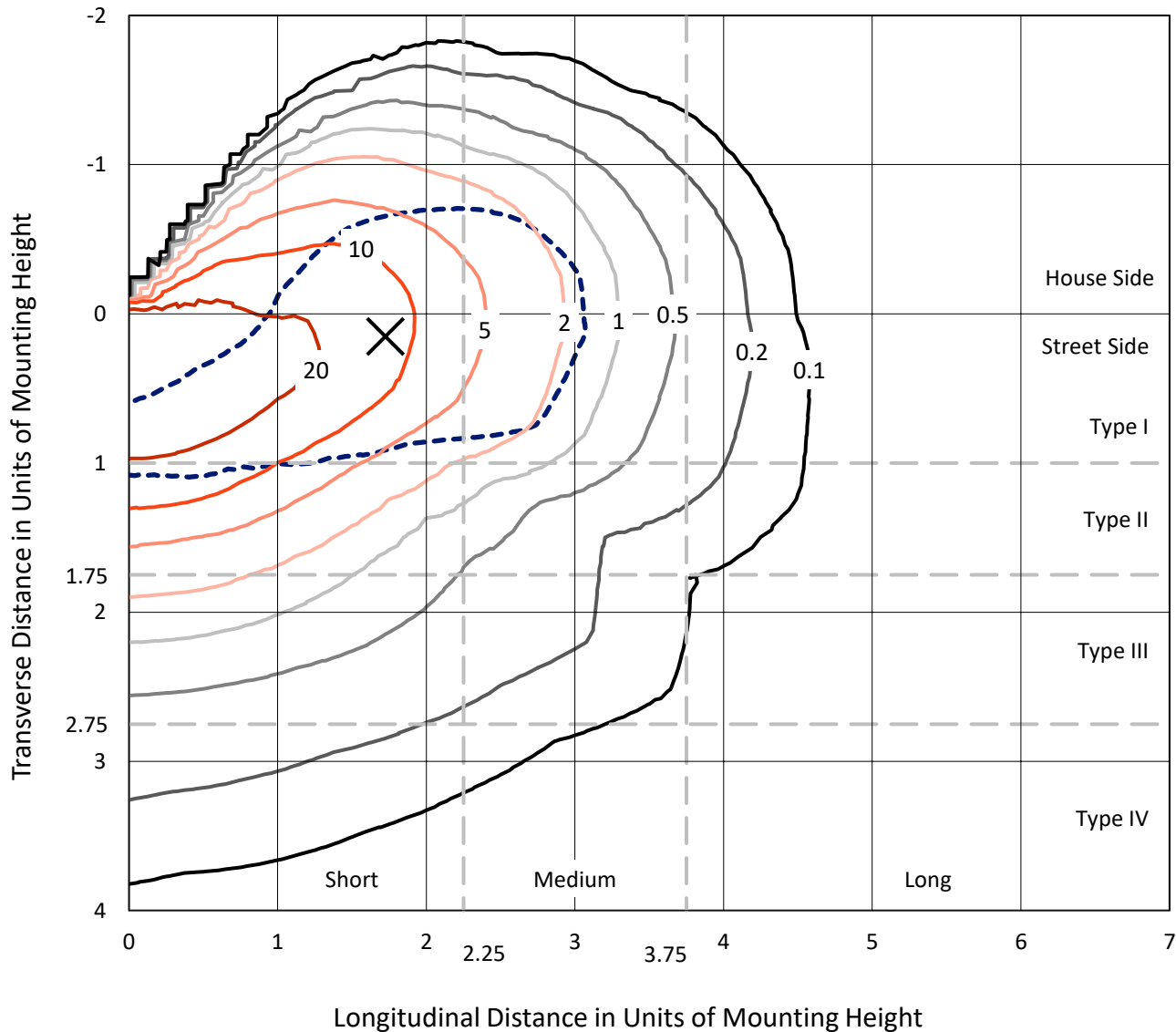
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

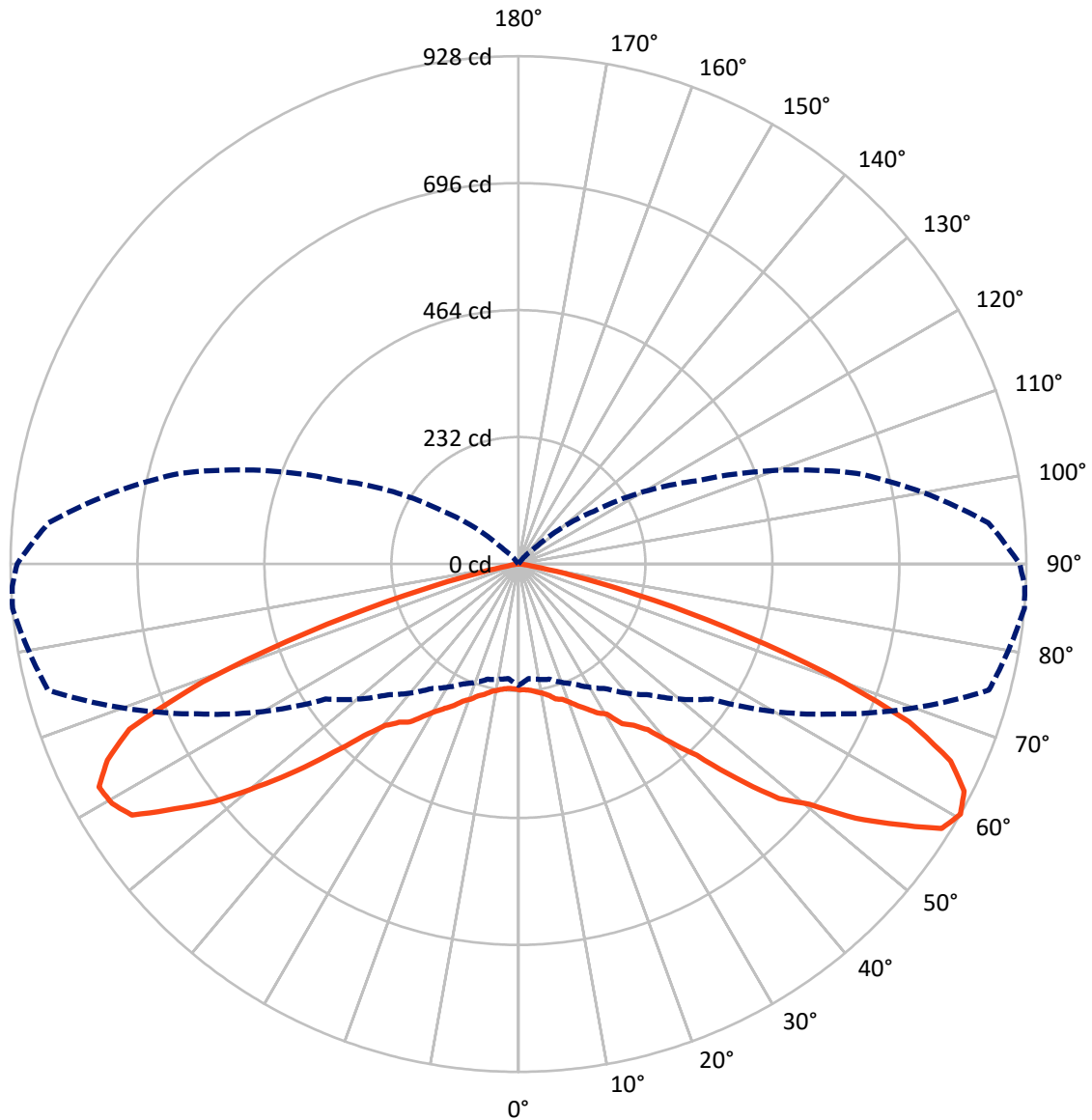
✕ Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 36.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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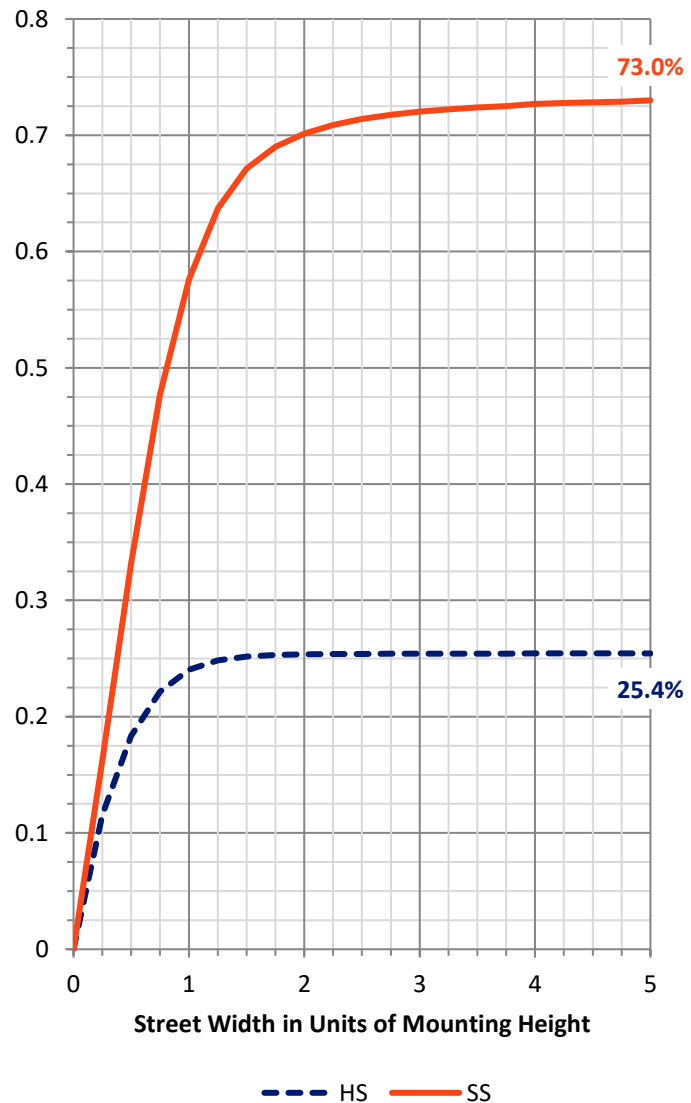
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	346.1	0.0	346.1
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	990.3	14.5	1004.8
	% Fixture	73.3	1.1	74.4
Total	Lumens	1336.4	14.5	1350.9
	% Fixture	98.9	1.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	1.4
10°-20°	56.3	4.2
20°-30°	109.3	8.1
30°-40°	185.1	13.7
40°-50°	267.4	19.8
50°-60°	335.1	24.8
60°-70°	264.9	19.6
70°-80°	86.7	6.4
80°-90°	12.6	0.9
90°-100°	5.9	0.4
100°-110°	4.0	0.3
110°-120°	2.4	0.2
120°-130°	1.3	0.1
130°-140°	0.6	0.0
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1336.4	98.9
0°-180°	1350.9	100.0



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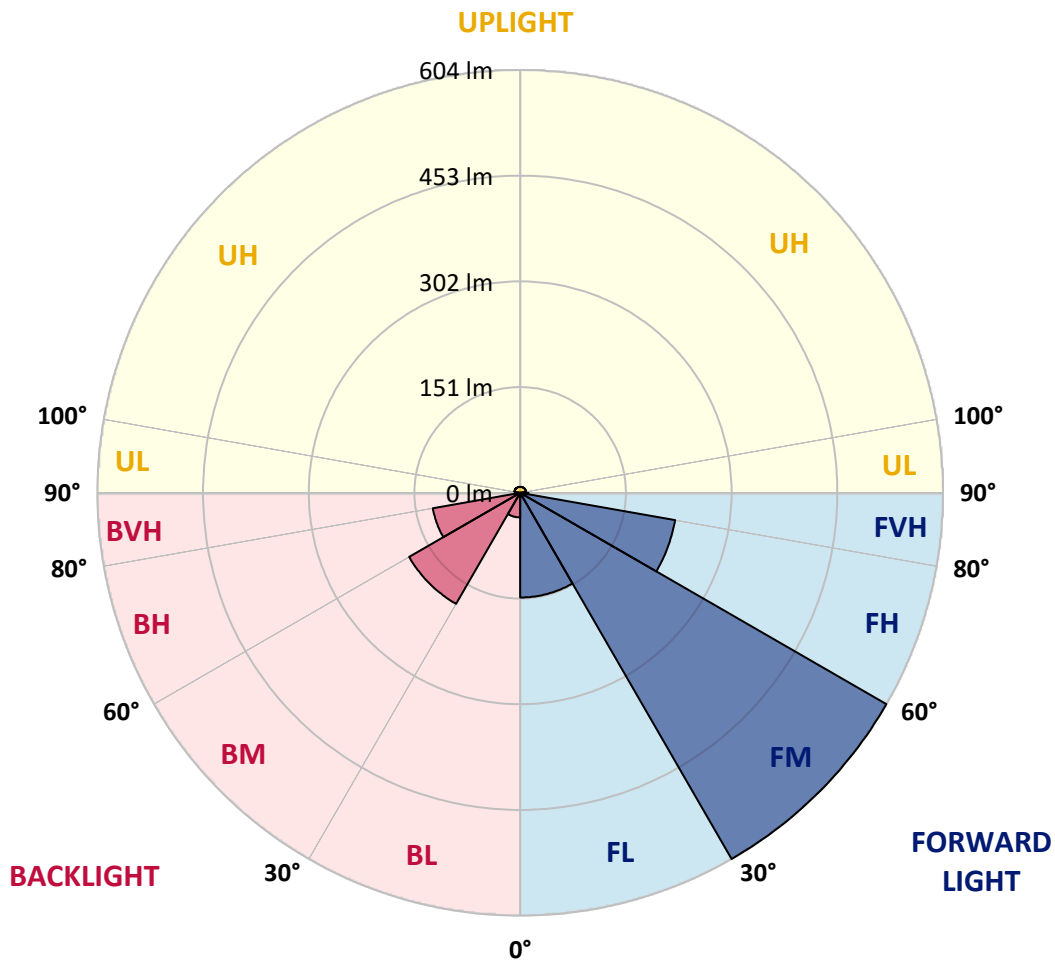
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	149.6	11.1			
FM	(30°-60°)	604.3	44.7			
FH	(60°-80°)	224.8	16.6			G0/660
FVH	(80°-90°)	11.6	0.9			G1/100
BL	(0°-30°)	35.1	2.6	B0/110		
BM	(30°-60°)	183.3	13.6	B0/220		
BH	(60°-80°)	126.8	9.4	B1/500		G1/500
BVH	(80°-90°)	0.9	0.1			G0/10
UL	(90°-100°)	5.9	0.4		U1/10	
UH	(100°-180°)	8.6	0.6		U1/10	

BUG Rating: B1-U1-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
0°	230	230	230	230	230	230	230	230	230	230	230
2.5°	358	354	348	342	334	324	306	274	244	230	230
5°	344	350	356	362	368	358	342	308	276	232	230
7.5°	336	346	338	336	328	322	336	310	280	236	234
10°	342	346	348	344	344	328	308	310	280	240	236
12.5°	328	330	336	336	338	340	322	294	288	246	240
15°	332	336	330	336	332	334	334	292	288	256	244
17.5°	340	348	352	346	334	332	338	316	286	260	256
20°	372	372	374	370	364	346	338	330	292	270	268
22.5°	392	392	396	392	386	380	352	338	292	282	276
25°	416	416	420	422	408	402	382	354	320	294	290
27.5°	442	444	446	448	446	440	412	382	334	308	304
30°	466	464	478	476	476	466	448	410	358	318	320
32.5°	476	482	492	502	506	498	484	450	390	348	330
35°	492	486	510	518	514	524	516	480	424	362	356
37.5°	494	500	510	526	518	546	544	510	458	384	374
40°	496	498	512	522	542	560	574	544	506	428	404
42.5°	492	492	506	516	536	566	586	590	556	478	452
45°	482	488	490	502	526	568	600	622	614	558	526
47.5°	462	458	472	494	512	554	604	656	684	640	616
50°	434	438	446	466	478	532	602	686	750	690	678
52.5°	398	402	412	436	448	508	602	732	820	772	752
55°	356	332	356	384	410	460	578	734	876	840	828
57.5°	272	268	278	316	354	404	522	710	902	912	894
60°	222	210	218	242	278	338	430	648	890	928	926
62.5°	170	170	178	184	208	262	340	538	826	914	922
65°	134	132	138	146	158	178	240	424	742	868	880
67.5°	102	102	106	114	124	132	156	290	650	770	786
70°	82	80	82	92	110	120	120	186	516	598	632
72.5°	74	70	70	72	86	110	126	114	324	396	418
75°	58	54	56	58	66	78	112	74	180	222	232
77.5°	38	38	38	38	42	50	82	68	104	100	96
80°	30	30	30	30	28	32	44	74	70	28	22
82.5°	26	26	26	24	24	22	26	52	44	14	12
85°	22	22	22	22	20	18	16	20	14	6	4
87.5°	20	20	20	18	18	14	12	8	6	2	2
90°	20	18	18	18	16	14	10	8	4	2	0
92.5°	18	18	18	16	16	12	10	8	4	0	0
95°	18	18	16	16	14	12	10	6	4	0	0
97.5°	16	16	16	16	14	12	10	6	4	0	0
100°	14	14	14	14	12	10	8	6	4	0	0
102.5°	14	14	14	12	12	10	8	6	2	0	0
105°	12	12	12	12	10	8	6	4	2	0	0
107.5°	10	10	10	10	10	8	6	4	2	0	0
110°	10	10	10	10	8	6	6	4	2	0	0



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CATALOG NUMBER: 303-B1-LEDB2-3500-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
112.5°	8	8	8	8	8	6	4	4	2	0	0
115°	8	8	8	6	6	6	4	4	2	0	0
117.5°	6	6	6	6	6	4	4	2	2	0	0
120°	6	6	6	6	6	4	4	2	2	0	0
122.5°	4	4	4	4	4	4	4	2	2	0	0
125°	4	4	4	4	4	4	2	2	2	0	0
127.5°	4	4	4	4	4	2	2	2	2	0	0
130°	2	2	4	4	4	2	2	2	2	0	0
132.5°	2	2	2	2	2	2	2	2	0	0	0
135°	2	2	2	2	2	2	2	2	0	0	0
137.5°	2	2	2	2	2	2	2	2	0	0	0
140°	2	2	2	2	2	2	2	0	0	0	0
142.5°	0	0	2	2	2	2	2	0	0	0	0
145°	0	0	0	2	2	2	0	0	0	0	0
147.5°	0	0	0	0	2	2	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	230	230	230	230	230	230	230	230	230	230	230
2.5°	228	228	226	212	136	106	98	92	88	78	78
5°	222	228	196	130	80	32	2	0	0	0	0
7.5°	228	230	182	124	72	30	2	0	0	0	0
10°	236	234	186	126	76	30	2	0	0	0	0
12.5°	236	238	188	126	82	30	2	0	0	0	0
15°	248	246	192	128	84	30	2	0	0	0	0
17.5°	256	252	198	132	84	30	2	0	0	0	0
20°	264	262	196	138	86	32	2	0	0	0	0
22.5°	276	270	208	142	90	32	2	0	0	0	0
25°	286	284	212	148	88	34	2	0	0	0	0
27.5°	294	296	232	156	104	36	0	0	0	0	0
30°	314	310	246	164	110	38	0	0	0	0	0
32.5°	330	328	258	176	118	40	0	0	0	0	0
35°	352	350	276	186	126	40	0	0	0	0	0
37.5°	368	362	290	200	134	44	0	0	0	0	0
40°	396	382	304	208	120	24	0	0	0	0	0
42.5°	442	422	324	220	146	46	0	0	0	0	0
45°	498	482	352	232	130	48	0	0	0	0	0
47.5°	576	554	390	242	154	48	0	0	0	0	0
50°	662	626	450	260	162	46	0	0	0	0	0
52.5°	740	704	518	296	170	44	0	0	0	0	0
55°	808	770	586	324	172	42	0	0	0	0	0
57.5°	868	842	638	366	176	38	0	0	0	0	0
60°	916	862	640	360	168	36	0	0	0	0	0
62.5°	920	868	624	332	148	30	0	0	0	0	0
65°	860	832	586	280	116	22	0	0	0	0	0
67.5°	792	772	524	220	82	16	0	0	0	0	0
70°	634	616	418	154	48	8	0	0	0	0	0
72.5°	408	404	262	88	22	4	0	0	0	0	0
75°	224	216	120	38	10	2	0	0	0	0	0
77.5°	84	78	42	16	6	2	0	0	0	0	0
80°	22	20	16	10	4	2	0	0	0	0	0
82.5°	10	10	8	6	2	0	0	0	0	0	0
85°	4	4	2	2	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
92.5°	0	0	0	0	0	0	0	0	0	0	0
95°	0	0	0	0	0	0	0	0	0	0	0
97.5°	0	0	0	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0	0	0	0
102.5°	0	0	0	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0	0	0	0
107.5°	0	0	0	0	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0	0	0	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0	0	0	0
117.5°	0	0	0	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0	0	0	0
122.5°	0	0	0	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)