

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: P394735

Luminaire Tested: **303-B1-LEDB2-3500-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-5)
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-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 4 WITH EDGE GLOW
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1290.9 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
IES Classification: Type III - Short
BUG Rating: B0 - U1 - G0

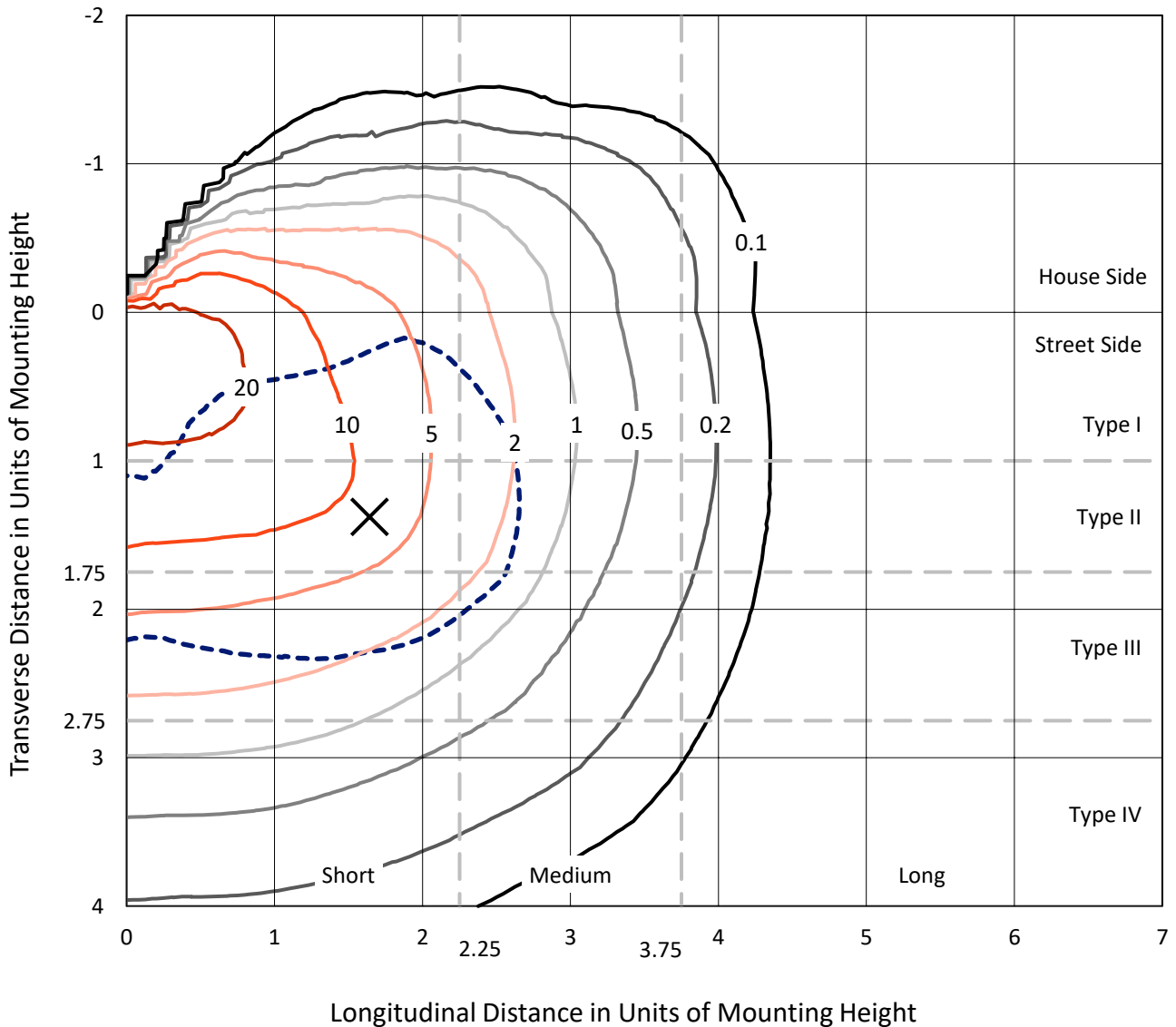
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

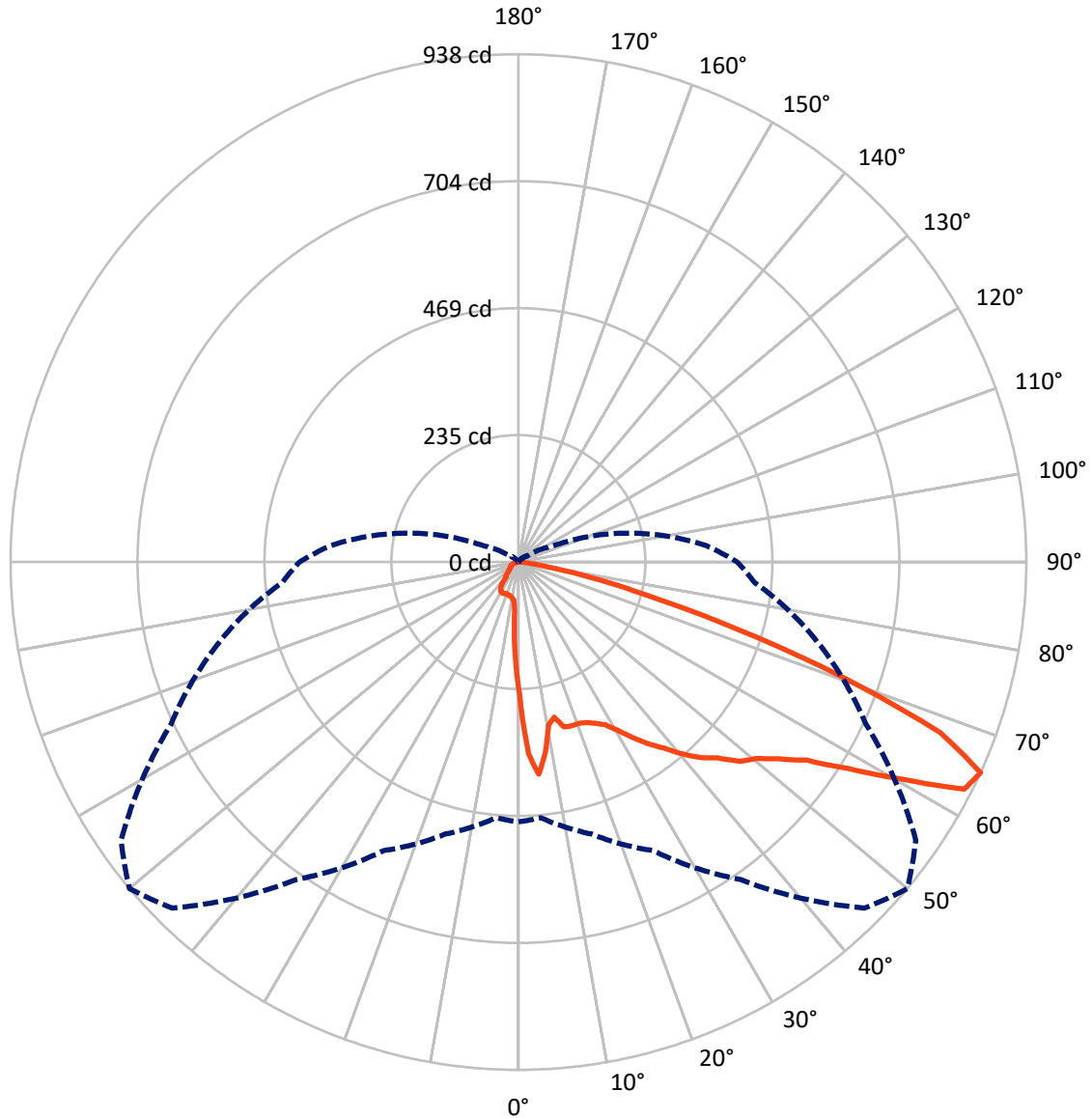
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 35.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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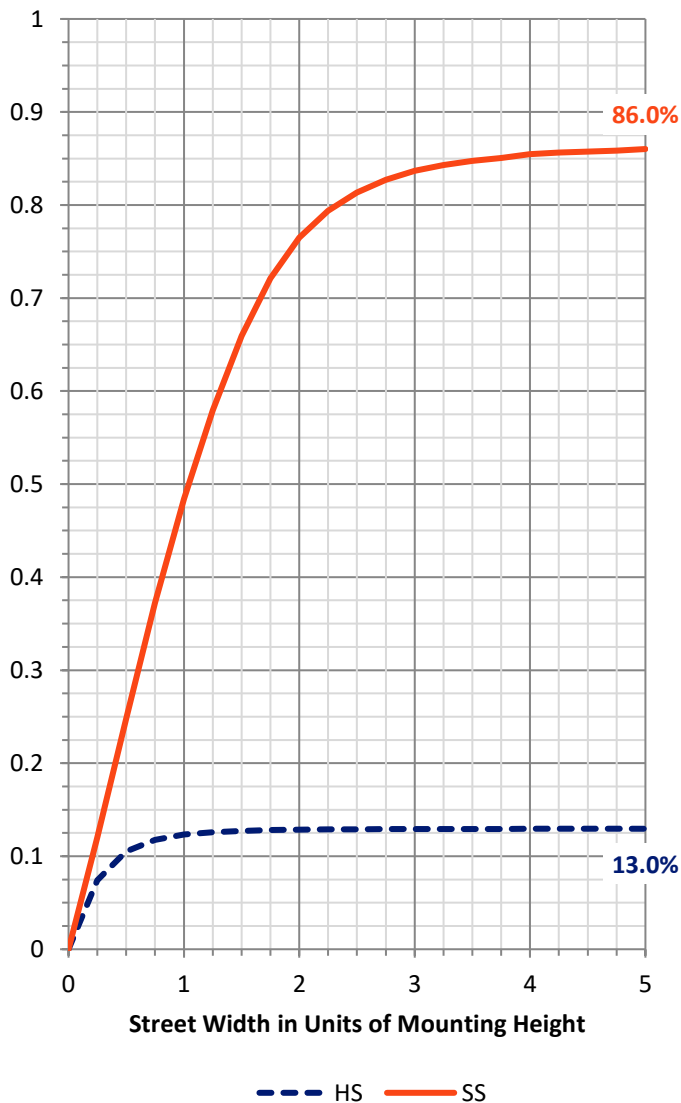
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	168.7	0.0	168.7
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	1114.0	8.3	1122.2
	% Fixture	86.3	0.6	86.9
Total	Lumens	1282.7	8.3	1290.9
	% Fixture	99.4	0.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	1.6
10°-20°	53.4	4.1
20°-30°	91.9	7.1
30°-40°	147.5	11.4
40°-50°	204.9	15.9
50°-60°	284.4	22.0
60°-70°	340.4	26.4
70°-80°	130.2	10.1
80°-90°	9.9	0.8
90°-100°	3.4	0.3
100°-110°	2.4	0.2
110°-120°	1.5	0.1
120°-130°	0.8	0.1
130°-140°	0.3	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1282.7	99.4
0°-180°	1290.9	100.0

Coefficient of Utilization



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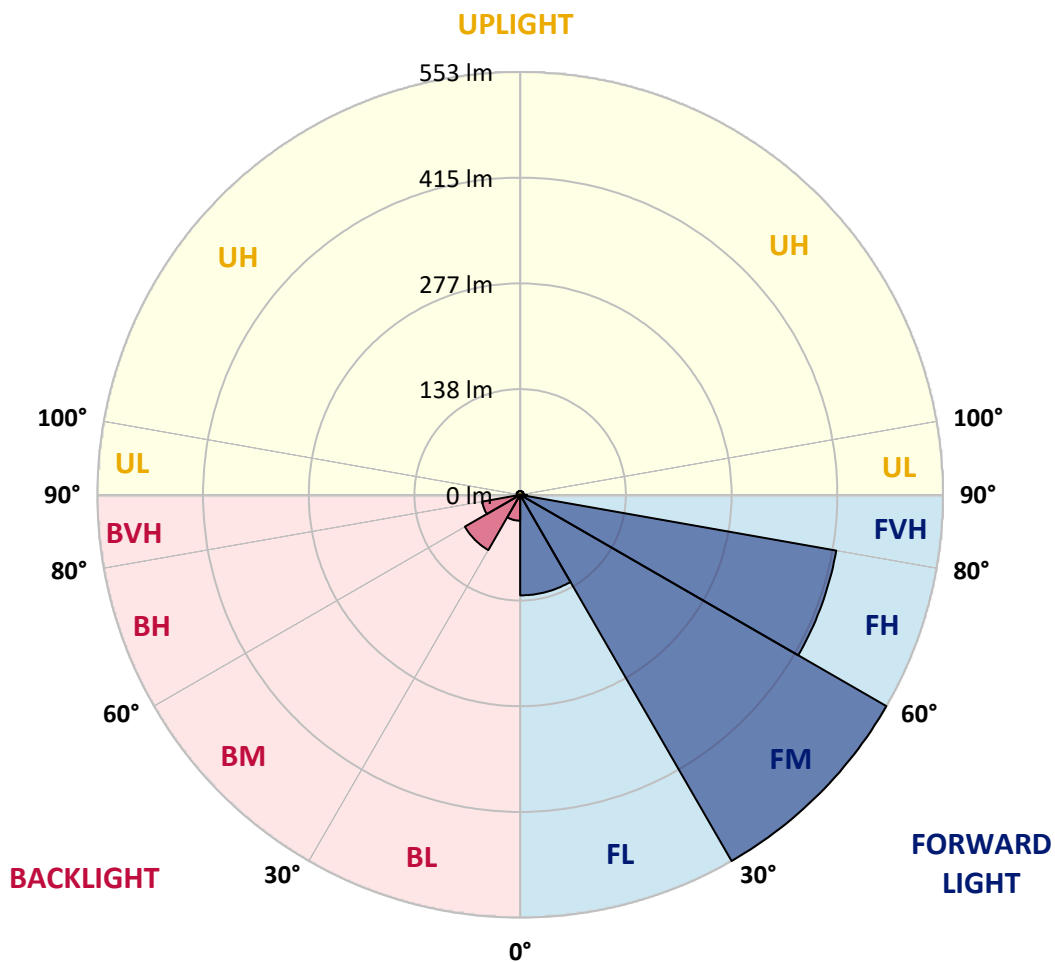
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	131.6	10.2			
FM	(30°-60°)	553.4	42.9			
FH	(60°-80°)	420.1	32.5			G0/660
FVH	(80°-90°)	9.0	0.7			G0/10
BL	(0°-30°)	33.9	2.6	B0/110		
BM	(30°-60°)	83.5	6.5	B0/220		
BH	(60°-80°)	50.5	3.9	B0/110		G0/110
BVH	(80°-90°)	0.9	0.1			G0/10
UL	(90°-100°)	3.4	0.3		U1/10	
UH	(100°-180°)	4.9	0.4		U1/10	

BUG Rating: B0-U1-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	244	244	244	244	244	244	244	244	244	244	244
2.5°	400	392	388	374	358	350	354	346	344	260	246
5°	372	380	380	388	394	394	394	378	328	306	250
7.5°	316	310	318	322	336	344	356	354	328	294	252
10°	340	340	334	328	310	292	306	314	312	286	244
12.5°	334	332	334	334	334	310	294	292	294	280	240
15°	312	314	314	310	328	320	316	292	264	274	240
17.5°	310	302	312	314	312	320	318	312	262	270	240
20°	324	324	320	312	314	314	318	316	276	266	234
22.5°	334	326	328	332	324	322	322	318	296	262	240
25°	338	336	342	338	342	332	330	322	308	268	246
27.5°	348	348	350	354	358	342	340	336	322	288	252
30°	358	362	364	364	374	366	360	350	344	310	274
32.5°	376	378	382	390	392	384	386	380	356	342	296
35°	396	392	404	414	420	408	412	398	388	360	312
37.5°	406	404	418	436	446	436	436	434	396	370	322
40°	426	414	432	454	474	468	466	456	412	380	326
42.5°	438	424	448	468	494	500	494	480	438	388	334
45°	442	442	462	484	510	520	516	506	448	398	346
47.5°	470	458	478	494	530	548	550	538	468	412	350
50°	480	480	492	514	556	582	570	564	490	424	356
52.5°	508	508	516	550	582	620	604	594	528	442	380
55°	546	542	560	574	624	652	646	646	544	466	396
57.5°	600	578	594	636	676	724	720	690	602	496	412
60°	594	590	616	676	768	824	814	790	670	546	440
62.5°	568	548	600	660	784	906	924	898	732	584	468
65°	480	474	520	588	716	904	938	896	708	572	438
67.5°	426	422	454	504	610	792	840	810	656	506	386
70°	340	344	378	422	482	600	632	664	536	428	318
72.5°	240	242	272	318	356	394	416	440	386	320	240
75°	150	146	166	176	208	252	244	238	226	198	152
77.5°	66	68	78	100	108	134	136	128	108	86	58
80°	42	40	44	50	56	58	52	48	46	36	20
82.5°	24	22	24	26	28	30	26	24	18	18	8
85°	16	14	14	14	14	12	12	10	10	6	4
87.5°	12	12	12	12	10	8	8	6	4	2	0
90°	12	12	12	10	10	8	6	6	4	2	0
92.5°	10	10	10	10	8	8	6	6	4	2	0
95°	10	10	10	10	8	6	6	6	4	2	0
97.5°	10	10	10	8	8	6	6	6	4	2	0
100°	8	8	8	8	6	6	6	4	4	2	0
102.5°	8	8	8	8	6	6	4	4	2	2	0
105°	8	8	8	6	6	4	4	4	2	2	0
107.5°	6	6	6	6	6	4	4	4	2	2	0
110°	6	6	6	6	4	4	4	4	2	2	0



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CATALOG NUMBER: 303-B1-LEDB2-3500-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	6	6	6	4	4	4	4	2	2	2	0
115°	4	4	4	4	4	4	2	2	2	2	0
117.5°	4	4	4	4	4	2	2	2	2	0	0
120°	4	4	4	4	2	2	2	2	2	0	0
122.5°	4	4	4	2	2	2	2	2	2	0	0
125°	2	2	2	2	2	2	2	2	2	0	0
127.5°	2	2	2	2	2	2	2	2	0	0	0
130°	2	2	2	2	2	2	2	2	0	0	0
132.5°	2	2	2	2	2	2	0	0	0	0	0
135°	2	2	2	2	2	0	0	0	0	0	0
137.5°	2	2	2	2	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	244	244	244	244	244	244	244	244	244	244	244
2.5°	242	240	236	240	222	126	110	104	102	98	102
5°	244	238	238	154	132	44	4	0	0	0	0
7.5°	238	238	206	148	100	40	4	0	0	0	0
10°	238	236	202	146	96	40	2	0	0	0	0
12.5°	236	238	198	146	92	38	2	0	0	0	0
15°	236	236	192	146	90	38	2	0	0	0	0
17.5°	234	234	190	144	90	38	2	0	0	0	0
20°	232	232	186	138	86	38	2	0	0	0	0
22.5°	230	232	184	138	88	38	2	0	0	0	0
25°	240	236	190	140	90	38	2	0	0	0	0
27.5°	252	248	194	146	90	38	2	0	0	0	0
30°	266	260	200	152	90	38	2	0	0	0	0
32.5°	282	270	204	150	88	36	2	0	0	0	0
35°	294	280	202	144	82	34	2	0	0	0	0
37.5°	300	284	202	132	72	30	2	0	0	0	0
40°	310	286	196	122	54	16	2	0	0	0	0
42.5°	314	288	186	104	50	20	2	0	0	0	0
45°	318	286	176	96	40	18	2	0	0	0	0
47.5°	324	284	170	86	34	16	2	0	0	0	0
50°	340	294	170	78	30	14	2	0	0	0	0
52.5°	348	304	174	74	28	12	2	0	0	0	0
55°	364	314	174	70	26	10	2	0	0	0	0
57.5°	384	324	182	68	24	10	2	0	0	0	0
60°	408	344	190	68	24	10	2	0	0	0	0
62.5°	418	362	206	70	22	10	2	0	0	0	0
65°	404	348	206	70	20	10	2	0	0	0	0
67.5°	340	314	192	64	18	10	2	0	0	0	0
70°	274	260	164	52	16	6	2	0	0	0	0
72.5°	212	202	130	38	14	6	2	0	0	0	0
75°	126	128	90	26	10	6	2	0	0	0	0
77.5°	50	56	42	18	8	4	2	0	0	0	0
80°	16	18	16	10	6	2	0	0	0	0	0
82.5°	8	8	8	6	2	2	0	0	0	0	0
85°	4	2	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)