

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: G3-2001-660-6

Luminaire Tested: **303-B1-LEDB1-3500-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: G3-2001-660-6
Test Lab: INNOVATION CENTER (G3)
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B1-LEDB1-3500-UNV-T5X-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 5 WITH EDGE GLOW
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 604.4 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Luminous Opening: Rectangular (W 0.21' x L: 0.38' x H: 0')
IES Classification: Type I - Short
BUG Rating: B0 - U1 - G0

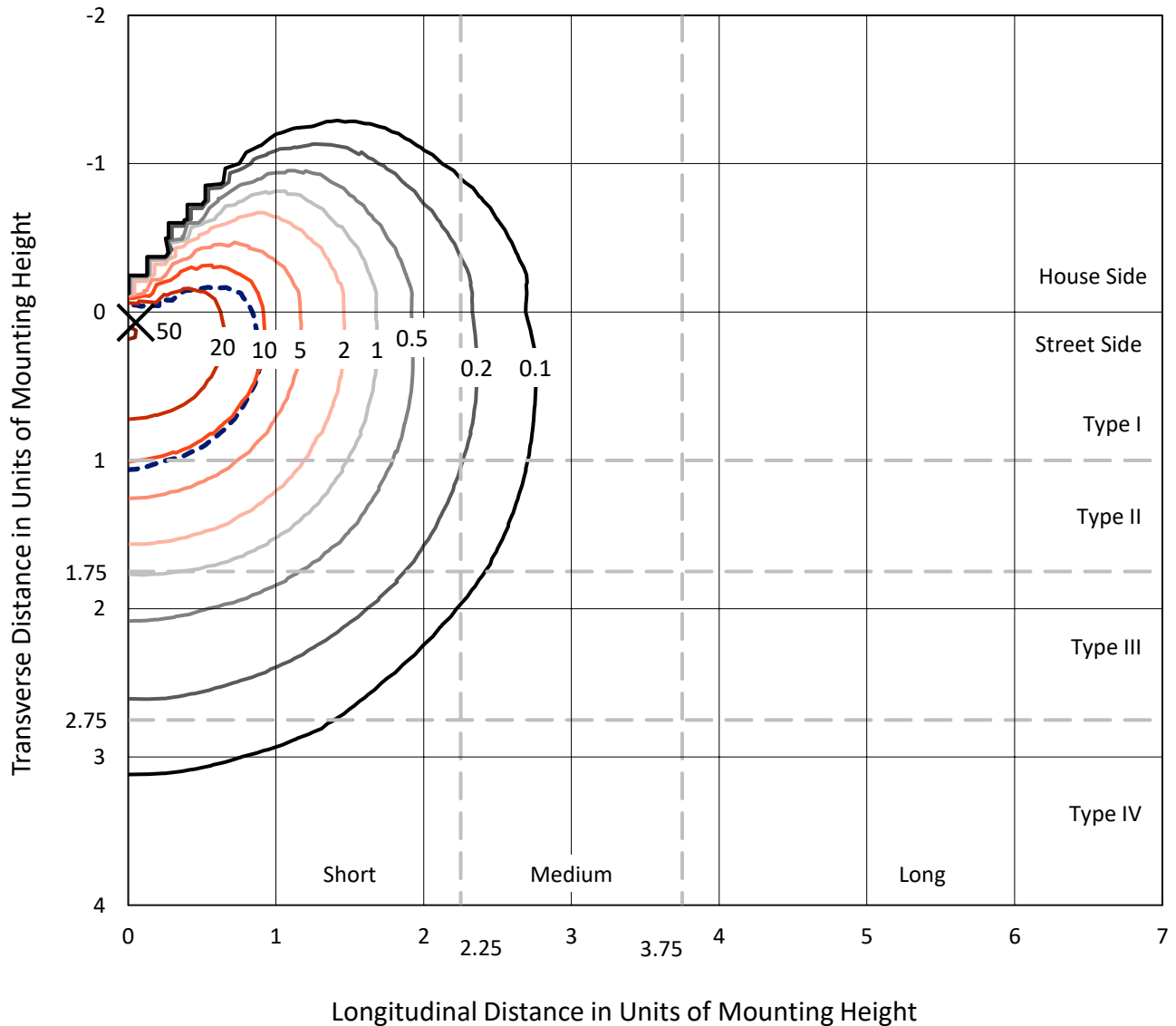
Input Watts (W): 8.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

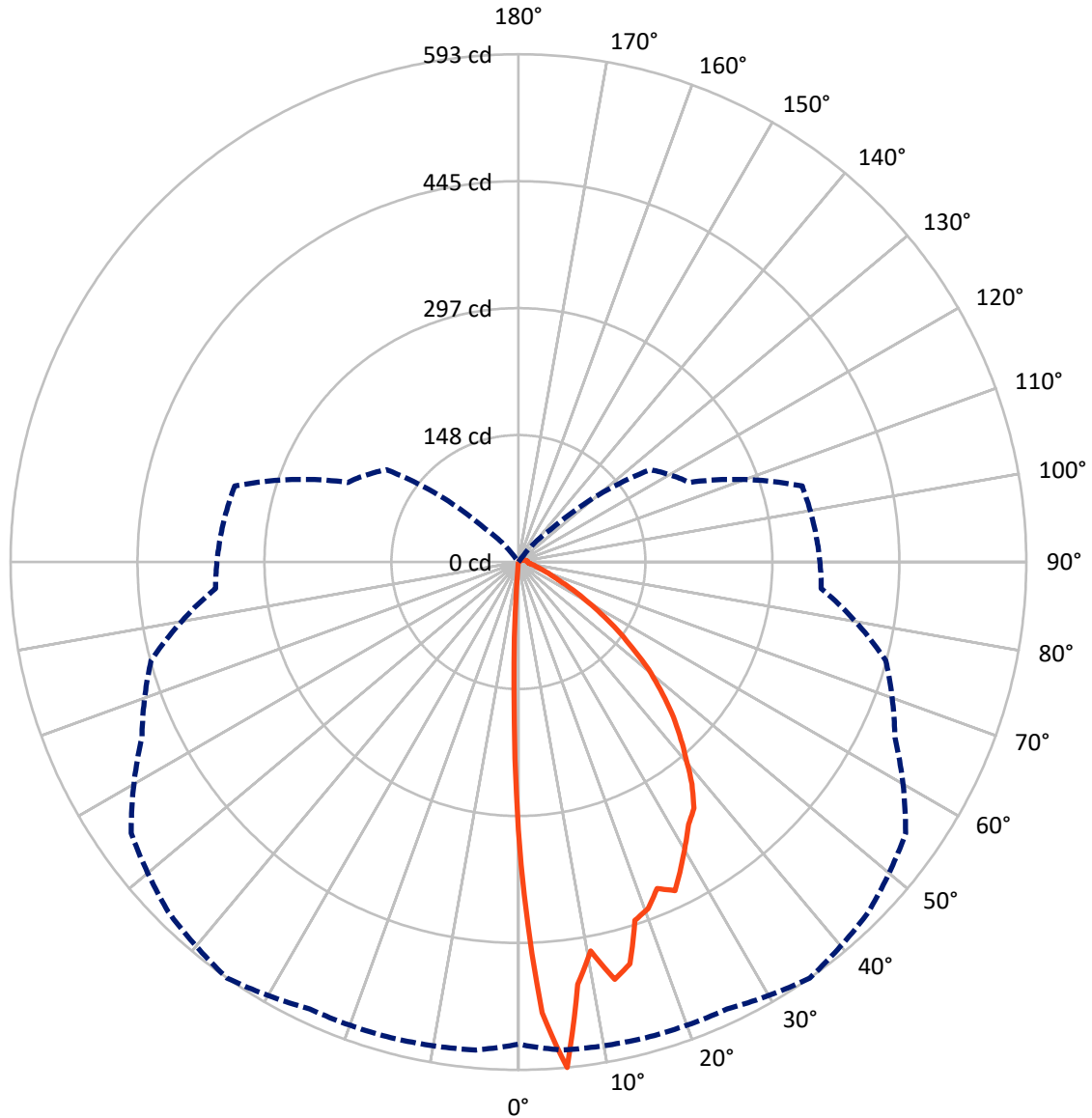
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 52.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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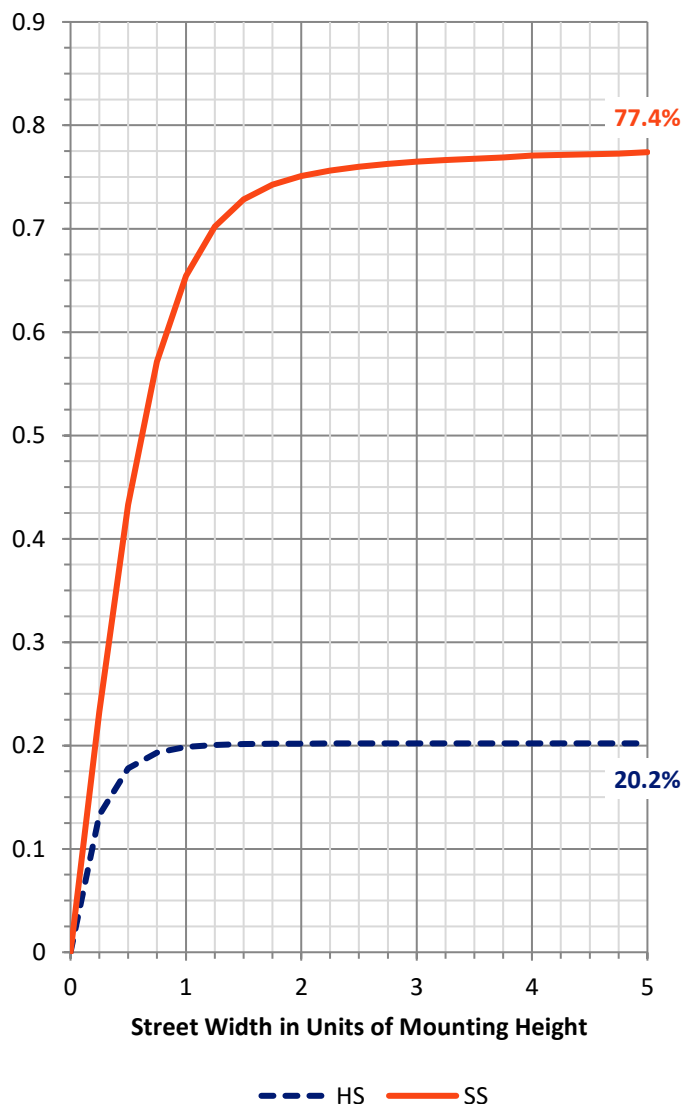
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	123.4	0.0	123.4
	% Fixture	20.4	0.0	20.4
Street Side	Lumens	470.0	10.9	480.9
	% Fixture	77.8	1.8	79.6
Total	Lumens	593.4	10.9	604.4
	% Fixture	98.2	1.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.7	4.9
10°-20°	77.6	12.8
20°-30°	115.2	19.1
30°-40°	130.7	21.6
40°-50°	116.9	19.3
50°-60°	74.3	12.3
60°-70°	30.9	5.1
70°-80°	12.7	2.1
80°-90°	5.4	0.9
90°-100°	4.1	0.7
100°-110°	3.1	0.5
110°-120°	1.9	0.3
120°-130°	1.0	0.2
130°-140°	0.5	0.1
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°	593.4	98.2
0°-180°	604.4	100.0

Coefficient of Utilization



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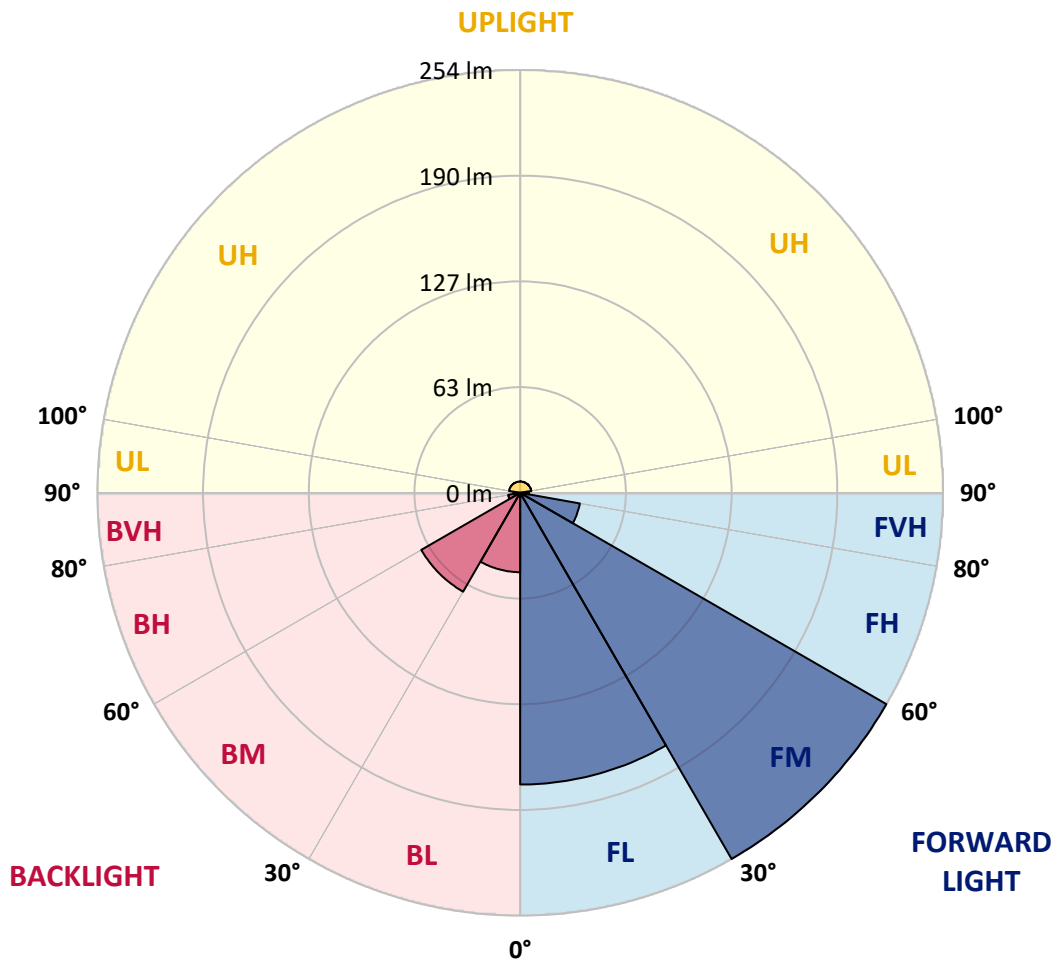
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	174.9	28.9			
FM (30°-60°)	253.5	41.9			
FH (60°-80°)	36.4	6.0			G0/660
FVH (80°-90°)	5.3	0.9			G0/10
BL (0°-30°)	47.6	7.9	B0/110		
BM (30°-60°)	68.5	11.3	B0/220		
BH (60°-80°)	7.3	1.2	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	4.1	0.7		U1/10	
UH (100°-180°)	6.8	1.1		U1/10	

BUG Rating: B0-U1-G0

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	354	354	354	354	354	354	354	354	354	354	354
2.5°	572	565	539	548	527	523	509	475	374	359	348
5°	563	572	575	576	593	578	552	485	444	355	352
7.5°	468	480	470	474	498	525	512	491	436	359	344
10°	504	508	496	476	462	441	462	477	428	346	342
12.5°	495	511	505	519	500	438	414	440	421	348	340
15°	448	454	453	469	487	480	429	388	409	347	334
17.5°	433	440	436	439	440	465	447	381	403	346	333
20°	438	439	431	433	432	432	439	384	385	341	325
22.5°	431	431	432	440	414	413	417	407	361	335	327
25°	416	418	415	425	425	405	390	399	344	333	325
27.5°	398	405	398	404	404	402	377	386	338	324	313
30°	381	385	381	387	384	388	365	363	327	309	302
32.5°	363	365	362	366	365	360	351	343	322	305	294
35°	343	349	335	348	353	342	332	322	307	273	277
37.5°	324	323	319	325	329	321	309	301	287	263	260
40°	304	306	300	300	301	298	285	279	270	242	241
42.5°	286	282	276	276	276	270	263	257	247	225	222
45°	260	256	249	252	251	245	241	235	224	207	199
47.5°	232	234	226	230	223	221	214	205	198	183	177
50°	204	204	195	198	197	194	185	180	173	159	157
52.5°	174	175	169	172	166	165	158	154	143	130	132
55°	144	146	141	143	140	138	131	125	117	107	103
57.5°	114	114	115	116	114	114	105	101	90	83	79
60°	78	80	84	92	90	89	84	77	70	61	60
62.5°	64	64	63	65	71	70	64	60	53	45	44
65°	52	52	51	53	53	54	50	45	40	36	34
67.5°	44	44	43	42	42	43	39	36	33	29	27
70°	36	37	36	36	34	32	32	29	26	23	20
72.5°	31	31	30	30	27	26	25	23	20	17	15
75°	26	26	25	24	22	21	19	18	15	12	11
77.5°	22	22	21	21	19	17	14	13	11	8	7
80°	19	19	18	18	16	14	11	9	8	5	4
82.5°	17	17	16	15	13	12	9	7	5	2	1
85°	16	15	15	14	12	10	8	6	3	1	0
87.5°	14	14	14	13	11	10	7	5	2	0	0
90°	14	14	13	12	11	9	7	5	2	0	0
92.5°	13	13	13	12	11	9	7	5	2	0	0
95°	13	13	12	12	10	9	7	5	2	0	0
97.5°	12	12	11	11	10	8	6	4	2	0	0
100°	11	11	11	10	9	8	6	4	2	0	0
102.5°	10	10	10	9	8	7	5	4	2	0	0
105°	9	9	9	9	8	7	5	4	2	0	0
107.5°	9	9	8	8	7	6	5	3	2	0	0
110°	8	8	8	7	6	5	4	3	1	0	0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7	7	7	6	6	5	4	3	1	0	0
115°	6	6	6	6	5	4	3	2	1	0	0
117.5°	6	6	5	5	4	4	3	2	1	0	0
120°	5	5	5	4	4	3	3	2	1	0	0
122.5°	4	4	4	4	3	3	2	2	1	0	0
125°	4	4	4	3	3	3	2	1	1	0	0
127.5°	3	3	3	3	3	2	2	1	1	0	0
130°	3	3	3	2	2	2	2	1	1	0	0
132.5°	2	2	2	2	2	2	1	1	1	0	0
135°	2	2	2	2	2	1	1	1	1	0	0
137.5°	1	1	2	1	1	1	1	1	1	0	0
140°	1	1	1	1	1	1	1	1	1	0	0
142.5°	1	1	1	1	1	1	1	1	1	0	0
145°	1	1	1	1	1	1	1	1	0	0	0
147.5°	0	0	1	1	1	1	1	1	0	0	0
150°	0	0	0	1	1	1	1	1	0	0	0
152.5°	0	0	0	0	1	1	1	1	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	354	354	354	354	354	354	354	354	354	354
2.5°	345	351	351	329	171	147	148	147	143	144
5°	349	343	220	188	55	0	0	0	0	0
7.5°	345	296	199	150	56	0	0	0	0	0
10°	341	292	197	148	55	0	0	0	0	0
12.5°	339	294	197	147	55	0	0	0	0	0
15°	342	293	198	147	53	0	0	0	0	0
17.5°	335	292	199	145	53	0	0	0	0	0
20°	336	287	199	142	50	0	0	0	0	0
22.5°	327	284	197	139	50	0	0	0	0	0
25°	320	269	193	134	48	0	0	0	0	0
27.5°	312	262	188	128	47	0	0	0	0	0
30°	301	249	179	121	45	0	0	0	0	0
32.5°	289	250	171	120	42	0	0	0	0	0
35°	283	229	160	114	40	0	0	0	0	0
37.5°	260	220	150	105	31	0	0	0	0	0
40°	240	196	143	82	19	0	0	0	0	0
42.5°	221	185	131	87	32	0	0	0	0	0
45°	201	166	117	68	28	0	0	0	0	0
47.5°	184	151	103	71	25	0	0	0	0	0
50°	155	127	89	60	21	0	0	0	0	0
52.5°	133	107	75	51	18	0	0	0	0	0
55°	104	84	61	41	14	0	0	0	0	0
57.5°	79	66	47	31	11	0	0	0	0	0
60°	62	48	35	23	8	0	0	0	0	0
62.5°	45	35	26	16	6	0	0	0	0	0
65°	35	27	19	12	4	0	0	0	0	0
67.5°	27	21	14	7	3	0	0	0	0	0
70°	21	16	11	5	2	0	0	0	0	0
72.5°	16	12	8	4	1	0	0	0	0	0
75°	11	8	5	2	0	0	0	0	0	0
77.5°	7	5	3	1	0	0	0	0	0	0
80°	4	2	1	0	0	0	0	0	0	0
82.5°	1	1	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0
92.5°	0	0	0	0	0	0	0	0	0	0
95°	0	0	0	0	0	0	0	0	0	0
97.5°	0	0	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0	0	0
102.5°	0	0	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0	0	0
107.5°	0	0	0	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)