

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: G3-2001-660-18

Luminaire Tested: **303-P1-LEDB1-3500-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G3-2001-660-18  
Test Lab: INNOVATION CENTER (G3)  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-P1-LEDB1-3500-UNV-T5X-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
PATHWAY, TYPE 5 WITH EDGE GLOW  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 666.9 lumens  
Efficiency: N/A  
Efficacy: 81.3 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

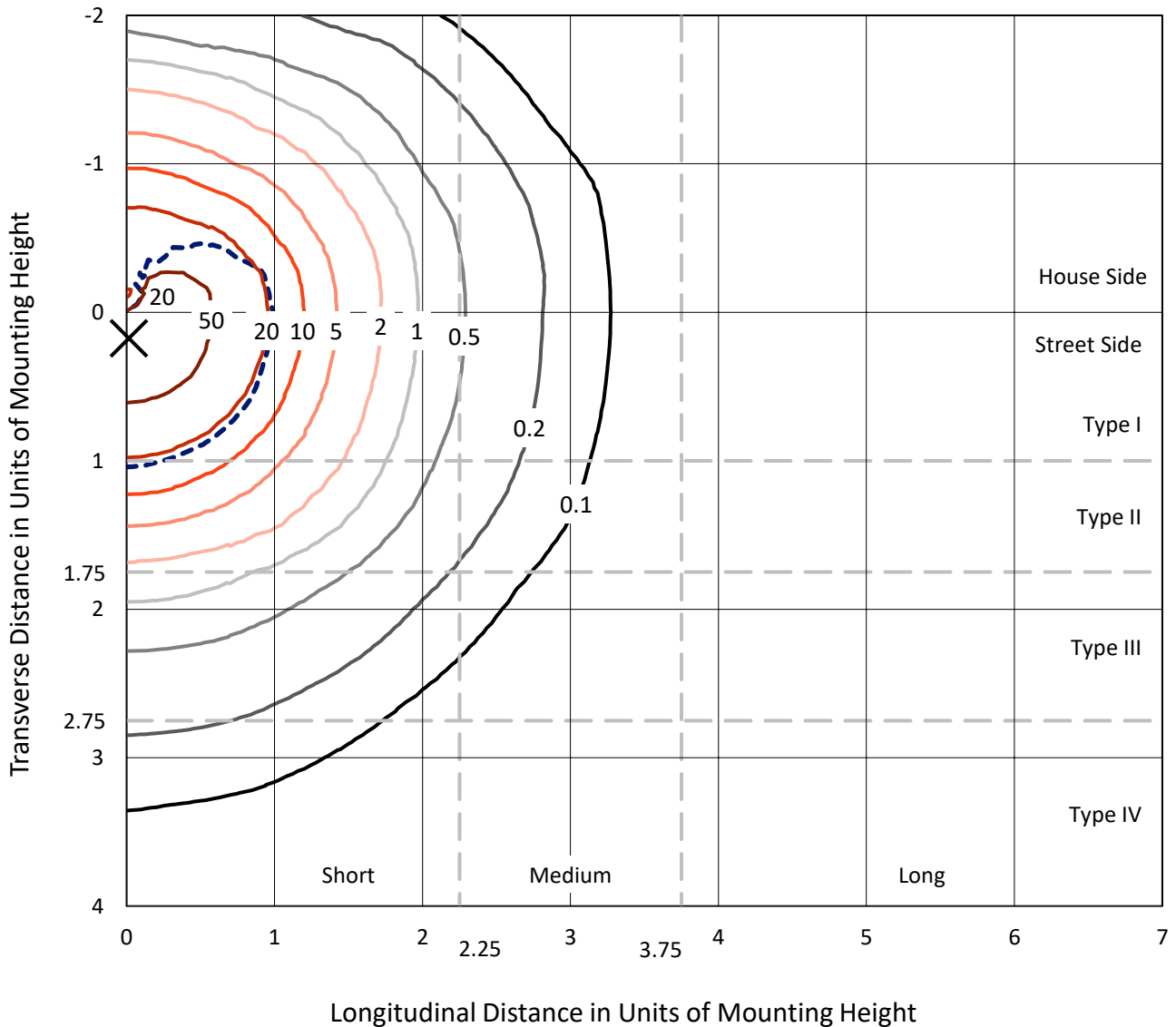
Input Watts (W): 8.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

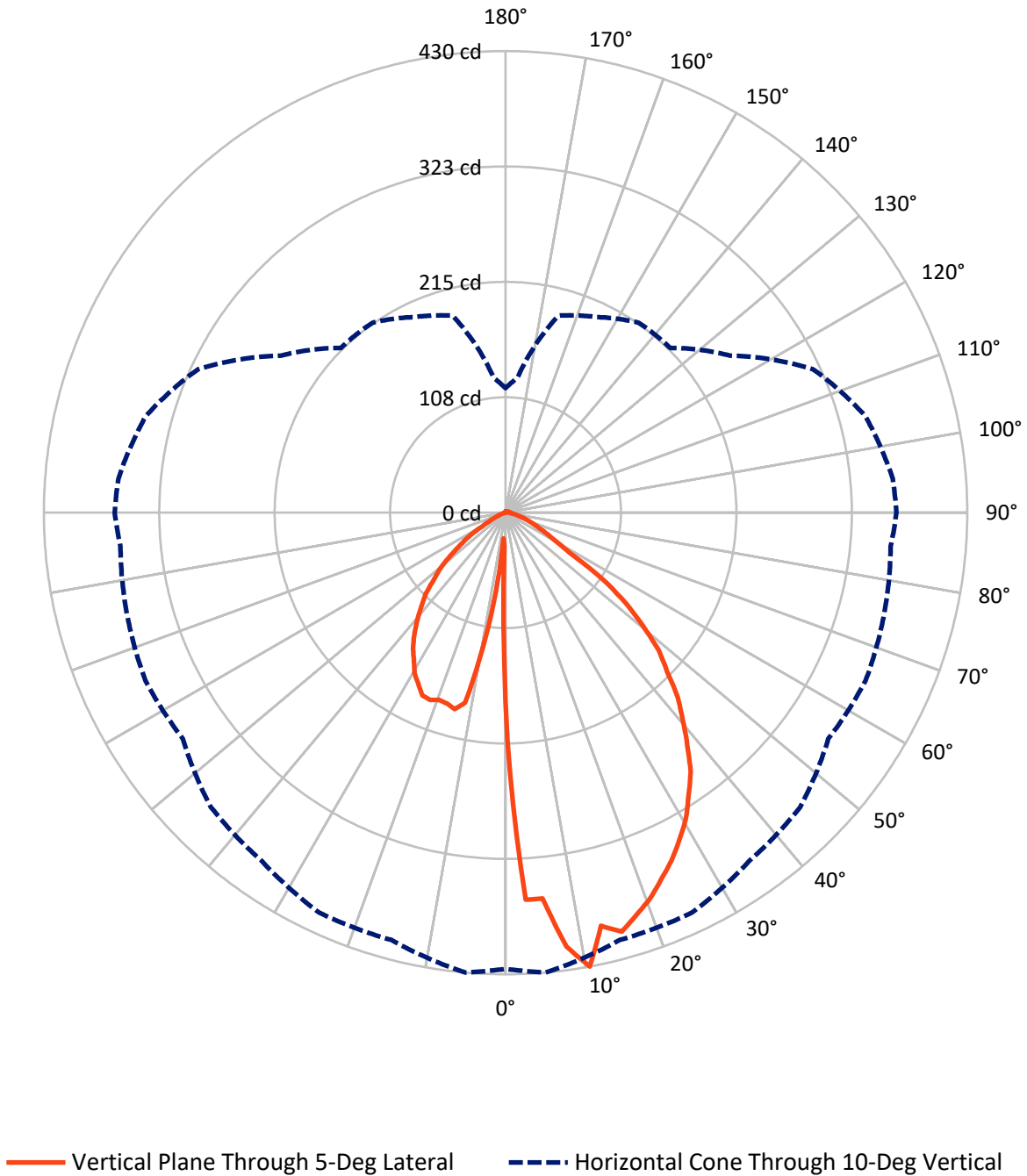
× Max cd  
 - - - 1/2 Max cd



Based on 2 foot mounting height. Maximum calculated value = 95.9 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



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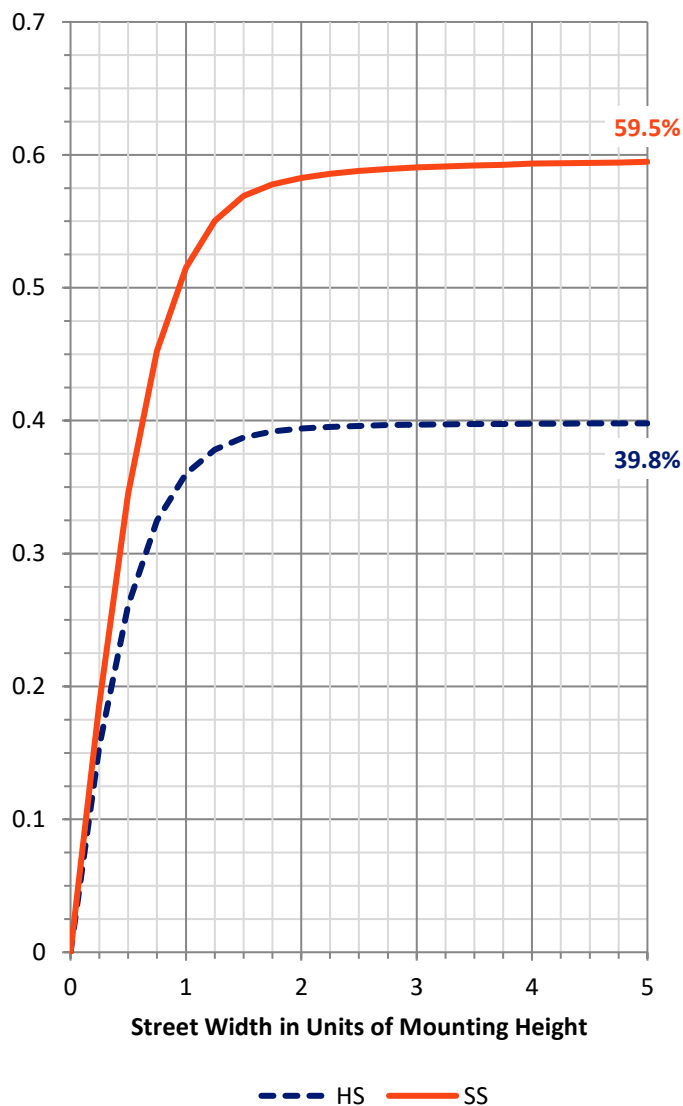
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	267.1	0.1	267.2
	% Fixture	40.1	0.0	40.1
<b>Street Side</b>	Lumens	396.5	3.1	399.6
	% Fixture	59.5	0.5	59.9
<b>Total</b>	Lumens	663.7	3.2	666.9
	% Fixture	99.5	0.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	25.7	3.9
10°-20°	90.8	13.6
20°-30°	135.9	20.4
30°-40°	152.5	22.9
40°-50°	132.8	19.9
50°-60°	81.5	12.2
60°-70°	31.3	4.7
70°-80°	10.7	1.6
80°-90°	2.4	0.4
90°-100°	1.3	0.2
100°-110°	0.8	0.1
110°-120°	0.5	0.1
120°-130°	0.3	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	663.7	99.5
0°-180°	666.9	100.0

**Coefficient of Utilization**



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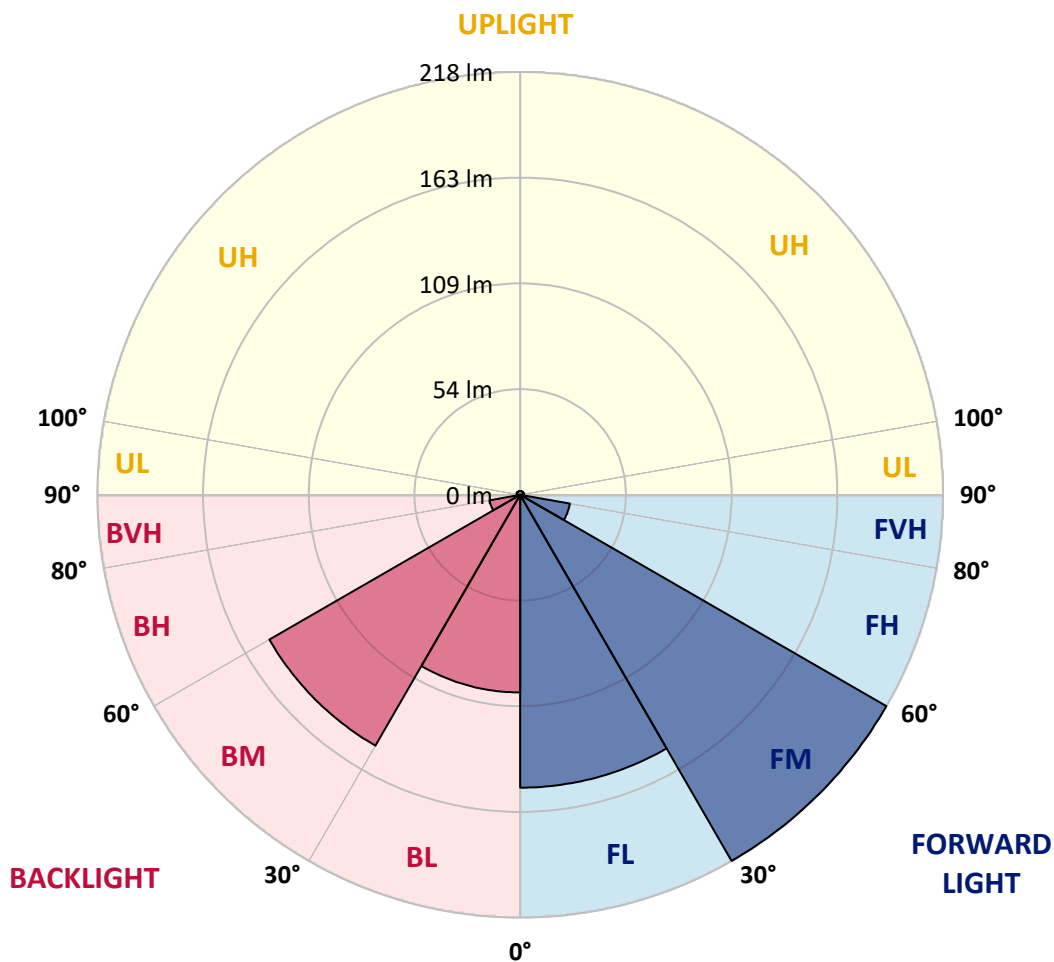
CATALOG NUMBER: 303-P1-LEDB1-3500-UNV-T5X-DIM10-EDGE

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	150.8	22.6			
FM	(30°-60°)	217.7	32.6			
FH	(60°-80°)	26.0	3.9			G0/660
FVH	(80°-90°)	2.1	0.3			G0/10
BL	(0°-30°)	101.8	15.3	B0/110		
BM	(30°-60°)	149.1	22.4	B0/220		
BH	(60°-80°)	16.0	2.4	B0/110		G0/110
BVH	(80°-90°)	0.3	0.0			G0/10
UL	(90°-100°)	1.3	0.2		U1/10	
UH	(100°-180°)	1.9	0.3		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°	212	212	212	212	212	212	212	212	212	212	212
2.5°	364	361	362	366	348	329	292	265	247	235	233
5°	363	361	365	363	358	363	348	360	312	283	287
7.5°	398	408	405	384	370	369	361	366	358	337	325
10°	425	430	412	411	396	388	367	370	365	360	364
12.5°	398	395	394	394	390	402	389	370	366	363	363
15°	407	405	395	396	382	389	384	374	361	359	357
17.5°	390	394	388	391	378	386	379	368	353	348	355
20°	381	384	379	381	374	375	370	362	349	346	345
22.5°	370	371	367	370	364	366	361	354	341	338	341
25°	357	359	354	358	351	349	345	342	336	326	327
27.5°	342	345	343	345	342	342	338	329	321	316	320
30°	329	331	328	327	327	330	324	315	308	305	309
32.5°	314	313	313	314	314	305	309	304	291	290	298
35°	294	297	289	295	294	296	292	287	279	275	279
37.5°	275	275	278	271	273	276	273	266	261	258	258
40°	256	254	254	248	258	253	249	246	243	241	239
42.5°	234	235	234	227	231	228	228	221	221	219	220
45°	212	211	210	210	208	208	207	202	198	196	199
47.5°	191	192	185	184	186	185	185	175	173	176	175
50°	165	166	163	160	163	160	162	154	151	150	153
52.5°	140	140	143	137	137	134	140	130	128	127	128
55°	111	111	112	112	116	112	114	107	104	102	100
57.5°	73	70	77	90	93	91	90	85	81	80	80
60°	53	53	53	57	71	68	70	66	62	61	60
62.5°	43	43	43	42	48	54	54	50	46	44	45
65°	34	34	35	34	35	40	39	37	36	35	35
67.5°	28	28	28	28	27	28	30	29	29	28	28
70°	23	23	23	22	22	21	22	23	23	22	22
72.5°	19	18	18	17	16	16	16	18	17	17	17
75°	14	14	14	13	12	12	11	12	13	12	12
77.5°	11	11	11	10	10	9	8	8	8	8	8
80°	9	8	8	8	7	7	6	5	5	5	4
82.5°	6	6	6	6	5	5	4	3	3	2	2
85°	6	5	5	5	5	4	3	2	1	1	1
87.5°	5	5	5	4	4	3	3	2	1	0	0
90°	4	4	4	4	4	3	2	1	1	0	0
92.5°	4	4	4	4	3	3	2	1	1	0	0
95°	4	4	4	4	3	3	2	1	1	0	0
97.5°	3	3	3	3	3	2	2	1	1	0	0
100°	3	3	3	3	3	2	2	1	1	0	0
102.5°	3	3	3	3	2	2	2	1	0	0	0
105°	3	3	3	2	2	2	2	1	0	0	0
107.5°	2	2	2	2	2	2	1	1	0	0	0
110°	2	2	2	2	2	1	1	1	0	0	0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2	2	2	2	1	1	1	1	0	0	0
115°	2	2	2	2	1	1	1	1	0	0	0
117.5°	2	2	2	1	1	1	1	1	0	0	0
120°	1	1	1	1	1	1	1	1	0	0	0
122.5°	1	1	1	1	1	1	1	0	0	0	0
125°	1	1	1	1	1	1	1	0	0	0	0
127.5°	1	1	1	1	1	1	0	0	0	0	0
130°	1	1	1	1	0	1	0	0	0	0	0
132.5°	1	1	1	1	0	0	0	0	0	0	0
135°	1	1	1	1	0	0	0	0	0	0	0
137.5°	1	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°	1	1	1	1	1	1	1	1	1	1	1
167.5°	1	1	1	1	1	1	1	1	1	1	1
170°	0	1	1	1	1	1	1	1	0	1	1
172.5°	0	0	0	0	0	0	0	0	0	1	1
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°	212	212	212	212	212	212	212	212	212	212
2.5°	232	219	167	135	100	85	54	50	31	9
5°	270	236	208	159	119	101	72	33	24	5
7.5°	316	313	259	230	179	156	125	96	74	57
10°	362	347	316	255	217	216	201	190	126	116
12.5°	359	362	316	289	261	228	209	193	181	175
15°	357	359	312	288	256	220	206	192	189	196
17.5°	351	353	306	290	252	217	201	193	186	192
20°	343	352	302	285	248	208	199	193	185	189
22.5°	338	341	292	277	241	207	195	186	188	185
25°	327	328	285	270	235	198	190	180	187	180
27.5°	315	323	273	256	227	191	182	174	179	173
30°	302	302	263	245	215	179	174	167	172	163
32.5°	289	288	249	232	203	168	164	158	161	157
35°	275	273	236	219	191	162	156	148	152	148
37.5°	255	258	221	203	178	149	145	141	141	135
40°	239	234	202	186	164	138	135	127	129	125
42.5°	215	218	186	168	148	125	122	116	117	115
45°	195	190	163	151	136	111	108	102	106	103
47.5°	173	169	145	133	119	98	96	91	91	91
50°	150	149	126	114	102	83	81	77	80	78
52.5°	126	124	107	99	85	70	66	64	65	65
55°	101	100	86	81	70	56	53	51	51	53
57.5°	80	77	68	63	54	44	43	40	41	42
60°	62	61	53	47	42	34	31	27	26	27
62.5°	45	46	41	37	33	25	21	14	17	18
65°	35	35	30	29	25	18	14	10	13	14
67.5°	28	28	24	21	18	12	11	7	8	10
70°	23	22	19	16	13	9	8	5	6	7
72.5°	17	17	13	11	9	7	6	3	4	4
75°	12	13	9	7	6	5	4	2	2	3
77.5°	8	8	5	5	4	3	2	1	1	1
80°	5	4	3	3	2	1	1	0	0	1
82.5°	2	2	2	1	1	0	0	0	0	0
85°	1	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°	1	1	1	1	1	1	0	0	0	0
167.5°	1	1	1	1	1	1	1	1	1	1
170°	1	1	1	1	1	1	1	1	1	1
172.5°	1	1	1	1	1	1	1	1	1	1
175°	0	0	0	0	0	1	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)