

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: G3-2001-660-5

Luminaire Tested: **303-B1-LEDB1-3500-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: G3-2001-660-5  
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-T4-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, SINGLE HEAD, ONE 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: 645.5 lumens  
Efficiency: N/A  
Efficacy: 77.8 lumens/watt  
Luminous Opening: Rectangular (W 0.21' x L: 0.38' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U1 - G0

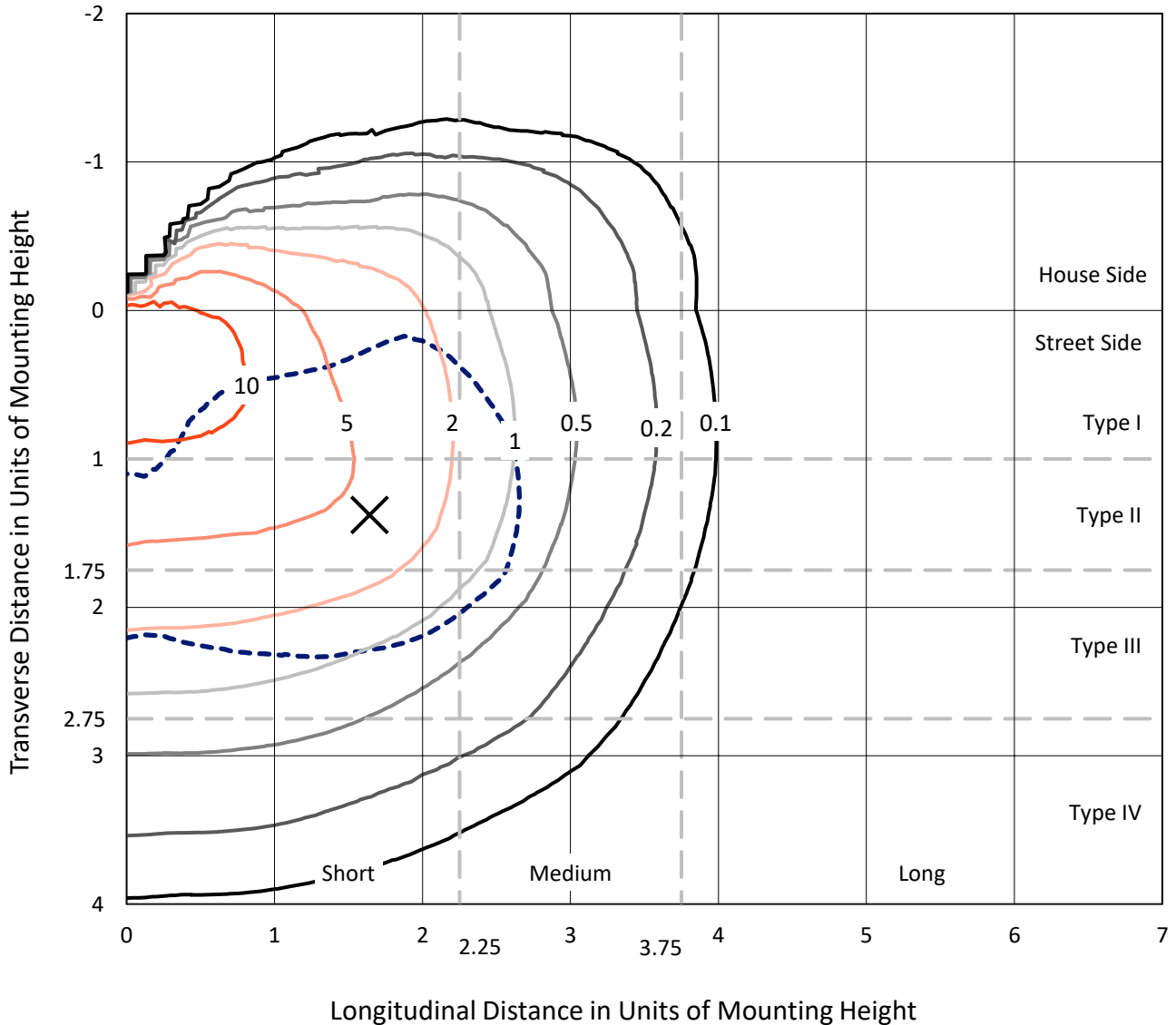
Input Watts (W): 8.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

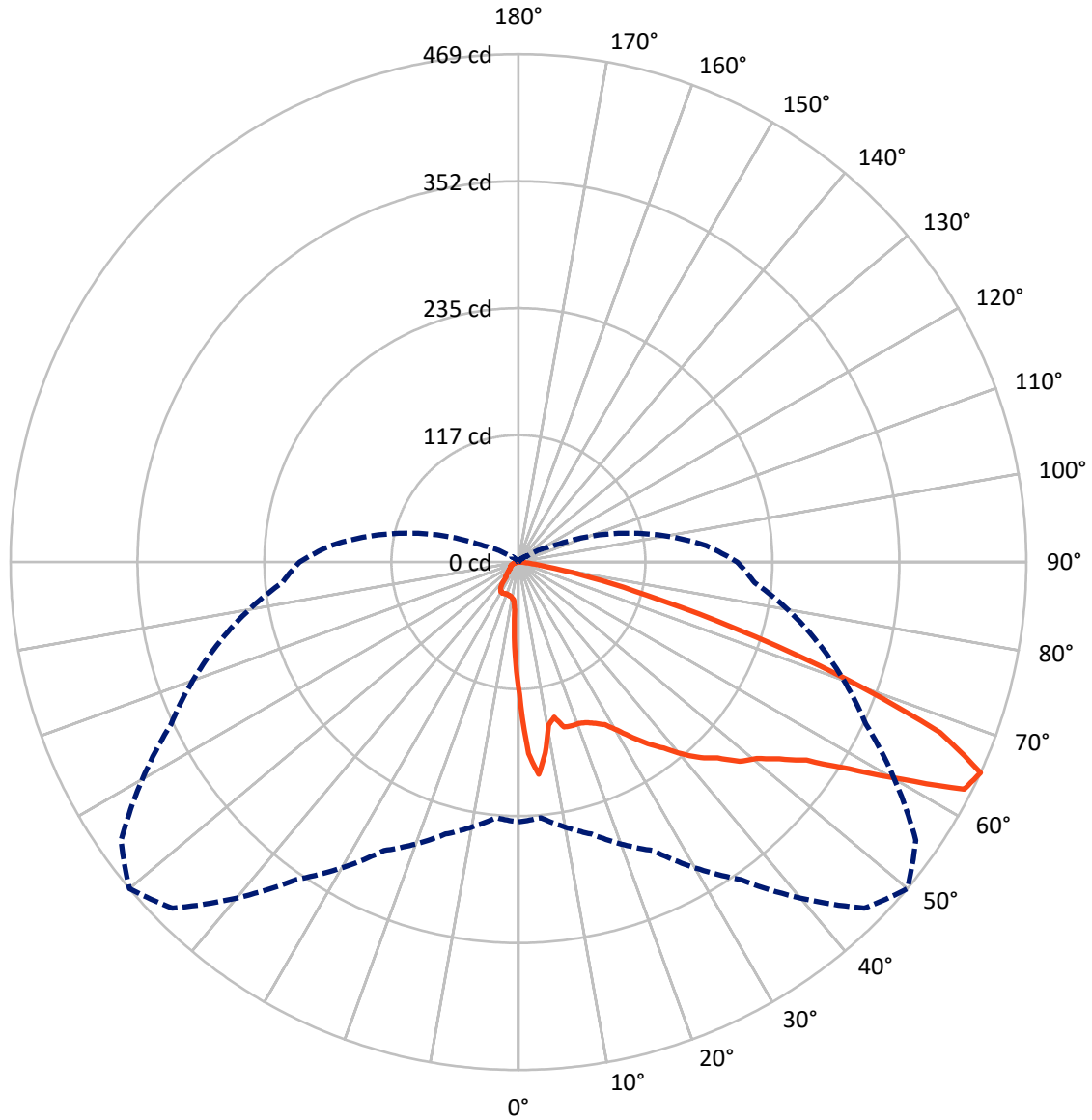
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 17.6 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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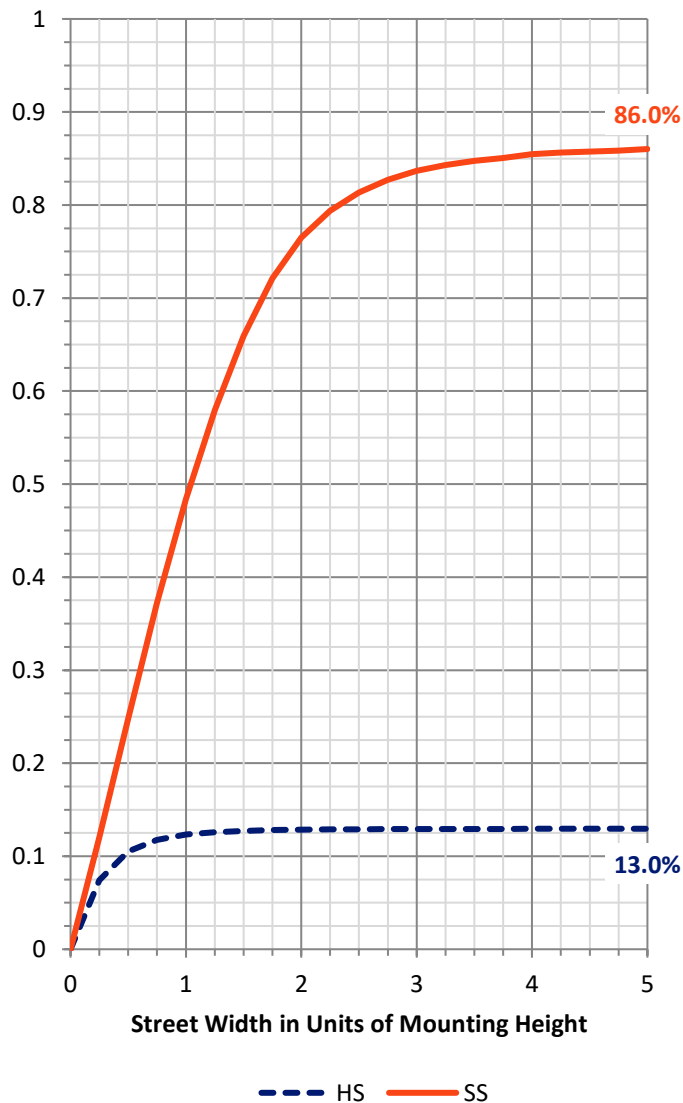
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	84.4	0.0	84.4
	% Fixture	13.1	0.0	13.1
<b>Street Side</b>	Lumens	557.0	4.1	561.1
	% Fixture	86.3	0.6	86.9
<b>Total</b>	Lumens	641.3	4.1	645.5
	% Fixture	99.4	0.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.1	1.6
10°-20°	26.7	4.1
20°-30°	45.9	7.1
30°-40°	73.7	11.4
40°-50°	102.5	15.9
50°-60°	142.2	22.0
60°-70°	170.2	26.4
70°-80°	65.1	10.1
80°-90°	4.9	0.8
90°-100°	1.7	0.3
100°-110°	1.2	0.2
110°-120°	0.7	0.1
120°-130°	0.4	0.1
130°-140°	0.2	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°	641.3	99.4
0°-180°	645.5	100.0

**Coefficient of Utilization**



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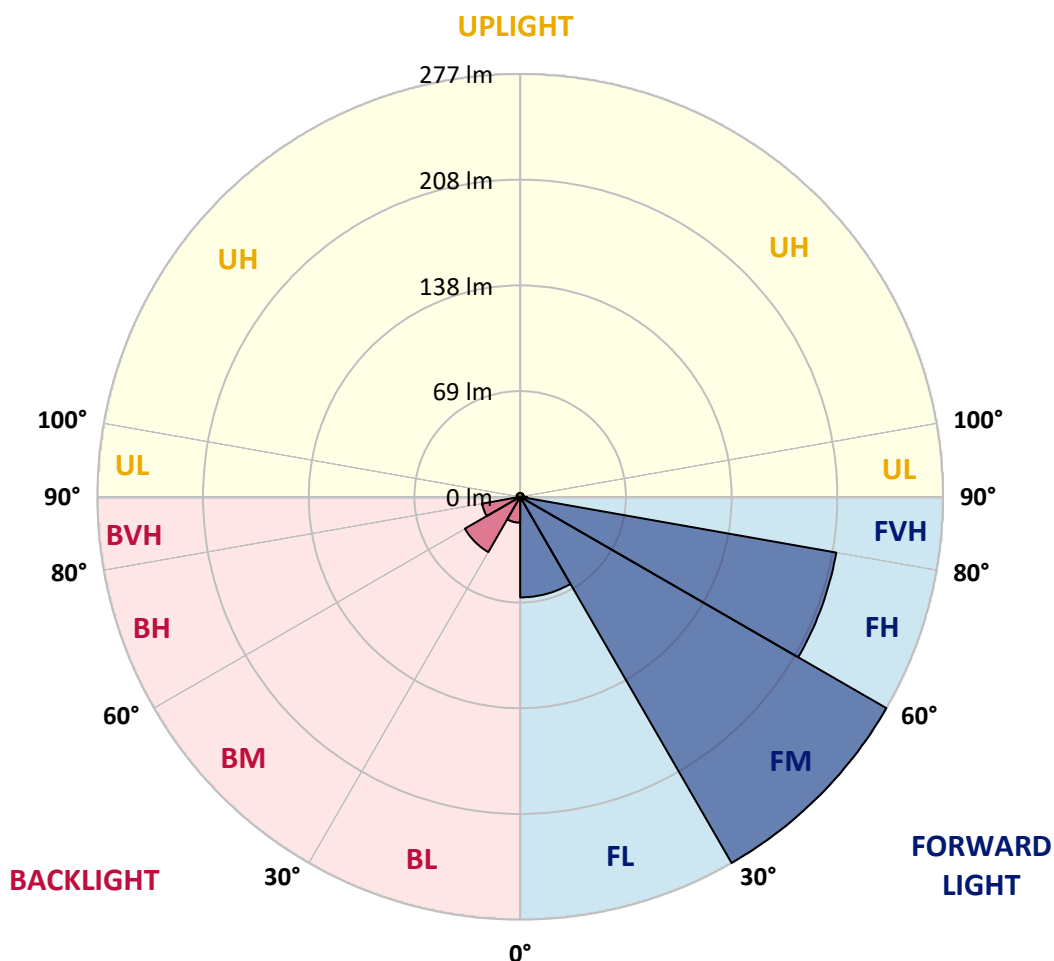
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	65.8	10.2			
FM (30°-60°)	276.7	42.9			
FH (60°-80°)	210.0	32.5			G0/660
FVH (80°-90°)	4.5	0.7			G0/10
BL (0°-30°)	17.0	2.6	B0/110		
BM (30°-60°)	41.7	6.5	B0/220		
BH (60°-80°)	25.2	3.9	B0/110		G0/110
BVH (80°-90°)	0.4	0.1			G0/10
UL (90°-100°)	1.7	0.3		U1/10	
UH (100°-180°)	2.4	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°	122	122	122	122	122	122	122	122	122	122	122
2.5°	200	196	194	187	179	175	177	173	172	130	123
5°	186	190	190	194	197	197	197	189	164	153	125
7.5°	158	155	159	161	168	172	178	177	164	147	126
10°	170	170	167	164	155	146	153	157	156	143	122
12.5°	167	166	167	167	167	155	147	146	147	140	120
15°	156	157	157	155	164	160	158	146	132	137	120
17.5°	155	151	156	157	156	160	159	156	131	135	120
20°	162	162	160	156	157	157	159	158	138	133	117
22.5°	167	163	164	166	162	161	161	159	148	131	120
25°	169	168	171	169	171	166	165	161	154	134	123
27.5°	174	174	175	177	179	171	170	168	161	144	126
30°	179	181	182	182	187	183	180	175	172	155	137
32.5°	188	189	191	195	196	192	193	190	178	171	148
35°	198	196	202	207	210	204	206	199	194	180	156
37.5°	203	202	209	218	223	218	218	217	198	185	161
40°	213	207	216	227	237	234	233	228	206	190	163
42.5°	219	212	224	234	247	250	247	240	219	194	167
45°	221	221	231	242	255	260	258	253	224	199	173
47.5°	235	229	239	247	265	274	275	269	234	206	175
50°	240	240	246	257	278	291	285	282	245	212	178
52.5°	254	254	258	275	291	310	302	297	264	221	190
55°	273	271	280	287	312	326	323	323	272	233	198
57.5°	300	289	297	318	338	362	360	345	301	248	206
60°	297	295	308	338	384	412	407	395	335	273	220
62.5°	284	274	300	330	392	453	462	449	366	292	234
65°	240	237	260	294	358	452	469	448	354	286	219
67.5°	213	211	227	252	305	396	420	405	328	253	193
70°	170	172	189	211	241	300	316	332	268	214	159
72.5°	120	121	136	159	178	197	208	220	193	160	120
75°	75	73	83	88	104	126	122	119	113	99	76
77.5°	33	34	39	50	54	67	68	64	54	43	29
80°	21	20	22	25	28	29	26	24	23	18	10
82.5°	12	11	12	13	14	15	13	12	9	9	4
85°	8	7	7	7	7	6	6	5	5	3	2
87.5°	6	6	6	6	5	4	4	3	2	1	0
90°	6	6	6	5	5	4	3	3	2	1	0
92.5°	5	5	5	5	4	4	3	3	2	1	0
95°	5	5	5	5	4	3	3	3	2	1	0
97.5°	5	5	5	4	4	3	3	3	2	1	0
100°	4	4	4	4	3	3	3	2	2	1	0
102.5°	4	4	4	4	3	3	2	2	1	1	0
105°	4	4	4	3	3	2	2	2	1	1	0
107.5°	3	3	3	3	3	2	2	2	1	1	0
110°	3	3	3	3	2	2	2	2	1	1	0



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CATALOG NUMBER: 303-B1-LEDB1-3500-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	3	3	3	2	2	2	2	1	1	1	0
115°	2	2	2	2	2	2	1	1	1	1	0
117.5°	2	2	2	2	2	1	1	1	1	0	0
120°	2	2	2	2	1	1	1	1	1	0	0
122.5°	2	2	2	1	1	1	1	1	1	0	0
125°	1	1	1	1	1	1	1	1	1	0	0
127.5°	1	1	1	1	1	1	1	1	0	0	0
130°	1	1	1	1	1	1	1	1	0	0	0
132.5°	1	1	1	1	1	1	0	0	0	0	0
135°	1	1	1	1	1	0	0	0	0	0	0
137.5°	1	1	1	1	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°	122	122	122	122	122	122	122	122	122	122	122
2.5°	121	120	118	120	111	63	55	52	51	49	51
5°	122	119	119	77	66	22	2	0	0	0	0
7.5°	119	119	103	74	50	20	2	0	0	0	0
10°	119	118	101	73	48	20	1	0	0	0	0
12.5°	118	119	99	73	46	19	1	0	0	0	0
15°	118	118	96	73	45	19	1	0	0	0	0
17.5°	117	117	95	72	45	19	1	0	0	0	0
20°	116	116	93	69	43	19	1	0	0	0	0
22.5°	115	116	92	69	44	19	1	0	0	0	0
25°	120	118	95	70	45	19	1	0	0	0	0
27.5°	126	124	97	73	45	19	1	0	0	0	0
30°	133	130	100	76	45	19	1	0	0	0	0
32.5°	141	135	102	75	44	18	1	0	0	0	0
35°	147	140	101	72	41	17	1	0	0	0	0
37.5°	150	142	101	66	36	15	1	0	0	0	0
40°	155	143	98	61	27	8	1	0	0	0	0
42.5°	157	144	93	52	25	10	1	0	0	0	0
45°	159	143	88	48	20	9	1	0	0	0	0
47.5°	162	142	85	43	17	8	1	0	0	0	0
50°	170	147	85	39	15	7	1	0	0	0	0
52.5°	174	152	87	37	14	6	1	0	0	0	0
55°	182	157	87	35	13	5	1	0	0	0	0
57.5°	192	162	91	34	12	5	1	0	0	0	0
60°	204	172	95	34	12	5	1	0	0	0	0
62.5°	209	181	103	35	11	5	1	0	0	0	0
65°	202	174	103	35	10	5	1	0	0	0	0
67.5°	170	157	96	32	9	5	1	0	0	0	0
70°	137	130	82	26	8	3	1	0	0	0	0
72.5°	106	101	65	19	7	3	1	0	0	0	0
75°	63	64	45	13	5	3	1	0	0	0	0
77.5°	25	28	21	9	4	2	1	0	0	0	0
80°	8	9	8	5	3	1	0	0	0	0	0
82.5°	4	4	4	3	1	1	0	0	0	0	0
85°	2	1	1	1	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)