

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: G3-2001-660-17

Luminaire Tested: **303-P1-LEDB1-3500-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: G3-2001-660-17
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-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
PATHWAY, TYPE 4 WITH EDGE GLOW
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 682 lumens
Efficiency: N/A
Efficacy: 83.2 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

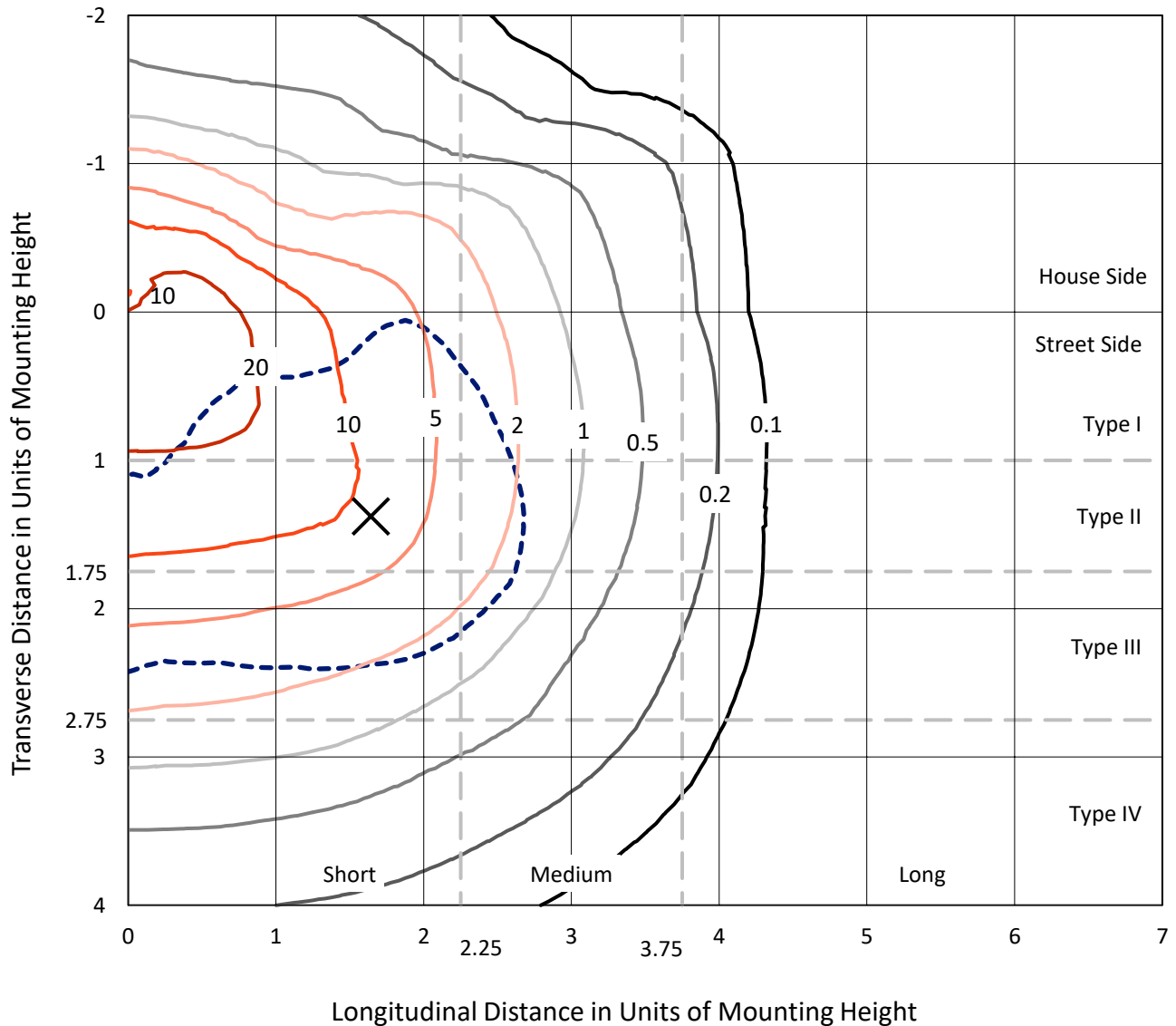
Input Watts (W): 8.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

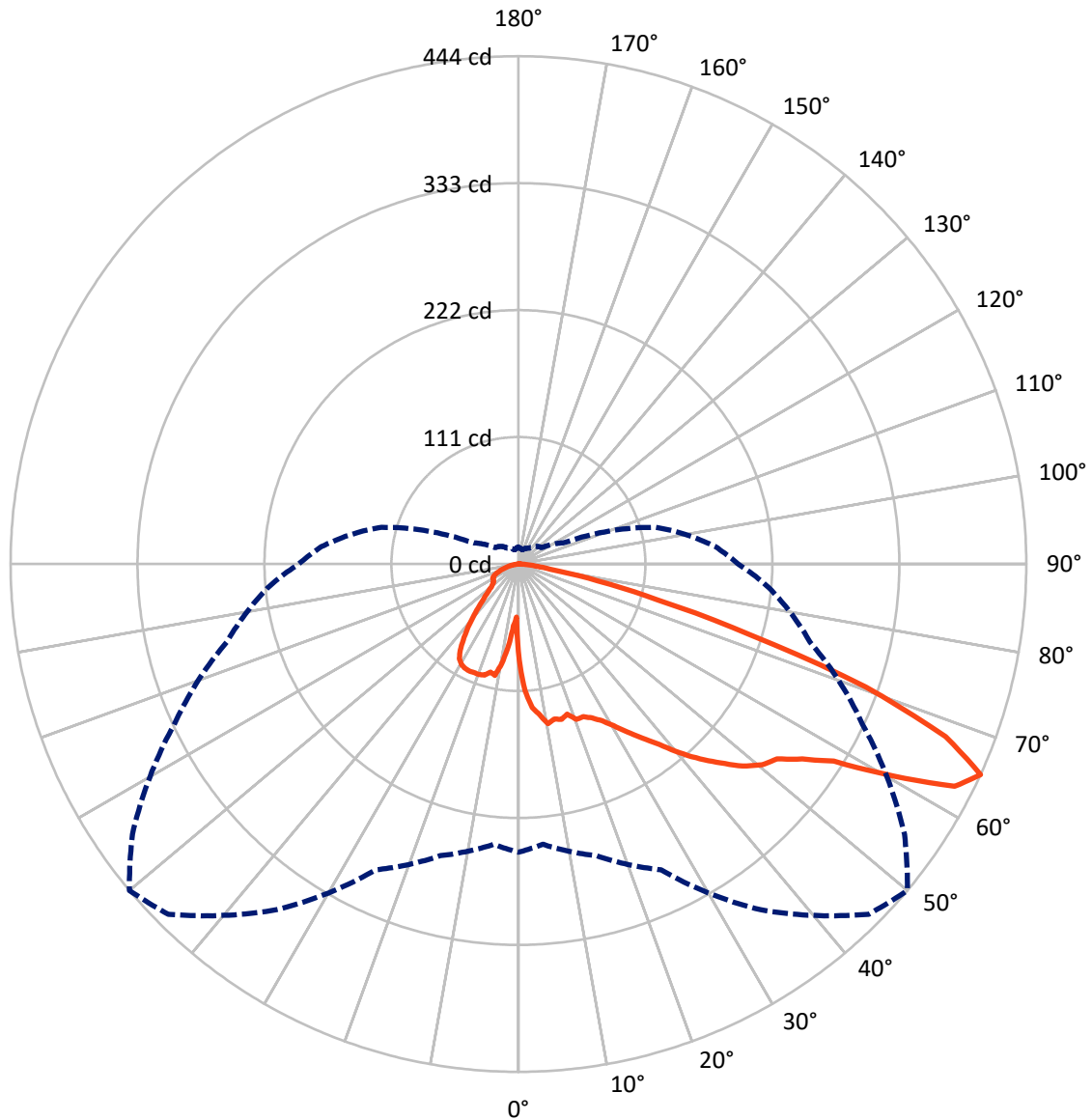
× Max cd
 - - - 1/2 Max cd



Based on 2 foot mounting height. Maximum calculated value = 33.4 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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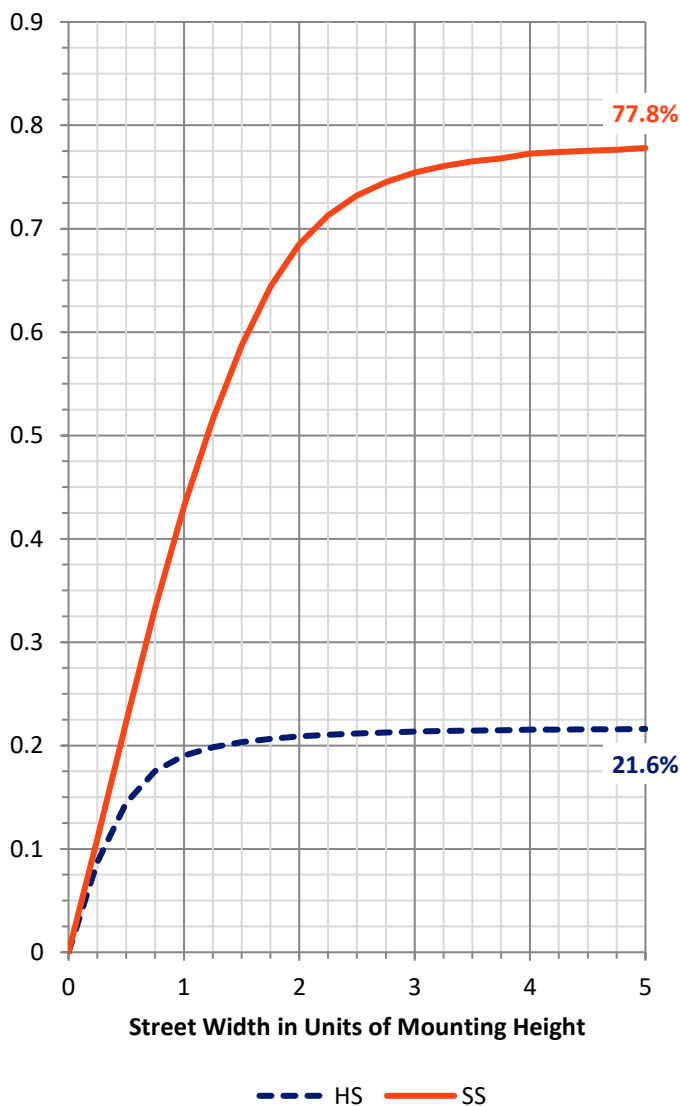
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	148.4	0.0	148.4
	% Fixture	21.8	0.0	21.8
Street Side	Lumens	532.2	1.3	533.5
	% Fixture	78.0	0.2	78.2
Total	Lumens	680.6	1.3	682.0
	% Fixture	99.8	0.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.2	1.4
10°-20°	33.7	4.9
20°-30°	57.4	8.4
30°-40°	84.9	12.4
40°-50°	109.0	16.0
50°-60°	141.5	20.8
60°-70°	171.0	25.1
70°-80°	68.2	10.0
80°-90°	5.7	0.8
90°-100°	0.6	0.1
100°-110°	0.4	0.1
110°-120°	0.2	0.0
120°-130°	0.1	0.0
130°-140°	0.0	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°	680.6	99.8
0°-180°	682.0	100.0

Coefficient of Utilization



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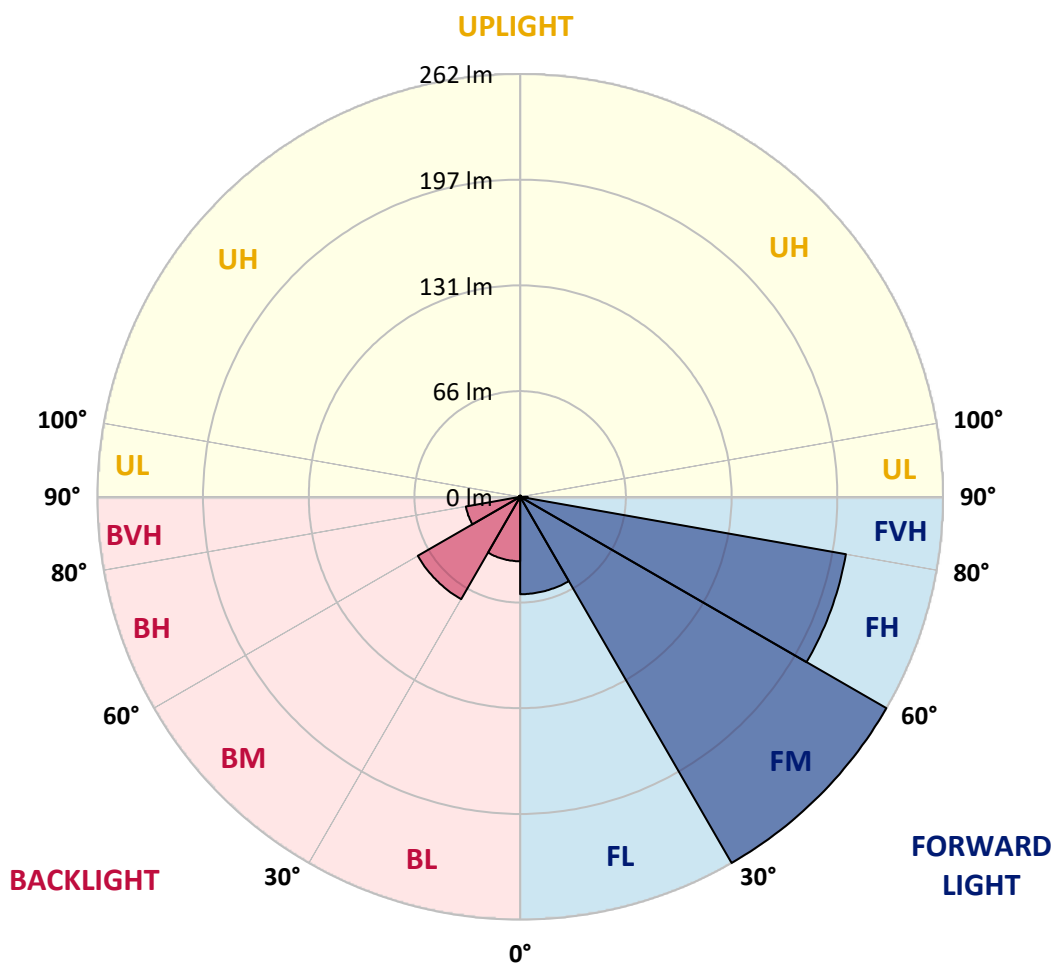
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	60.4	8.9			
FM (30°-60°)	262.1	38.4			
FH (60°-80°)	205.0	30.1			G0/660
FVH (80°-90°)	4.7	0.7			G0/10
BL (0°-30°)	39.9	5.9	B0/110		
BM (30°-60°)	73.3	10.7	B0/220		
BH (60°-80°)	34.2	5.0	B0/110		G0/110
BVH (80°-90°)	1.0	0.2			G0/10
UL (90°-100°)	0.6	0.1		U1/10	
UH (100°-180°)	0.7	0.1		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°	84	84	84	84	84	84	84	84	84	84	84
2.5°	125	122	126	125	124	114	111	108	96	93	85
5°	125	127	127	124	126	126	126	129	129	113	103
7.5°	139	141	136	135	132	131	133	128	131	129	118
10°	140	140	138	135	135	140	142	139	136	129	131
12.5°	139	141	140	135	135	141	139	140	133	130	131
15°	143	142	144	141	139	140	141	139	136	131	132
17.5°	147	147	144	141	141	141	138	138	135	131	132
20°	148	150	149	144	143	143	145	141	136	130	132
22.5°	154	156	152	151	147	148	145	143	137	131	131
25°	159	160	158	157	152	152	149	150	143	133	132
27.5°	164	166	163	160	159	160	155	158	148	141	138
30°	169	172	170	169	167	165	164	166	158	150	148
32.5°	176	179	177	178	177	176	175	173	170	160	157
35°	186	187	188	187	188	188	187	187	181	171	162
37.5°	192	194	198	203	205	205	200	199	190	180	168
40°	200	198	205	210	219	223	217	212	199	184	176
42.5°	204	204	212	216	232	237	233	230	209	188	175
45°	209	211	218	228	244	253	248	240	217	193	177
47.5°	220	219	226	239	254	269	264	259	224	197	184
50°	232	225	233	243	267	275	276	261	229	202	187
52.5°	244	239	245	261	280	289	283	277	243	210	196
55°	258	255	260	277	293	309	301	294	252	220	197
57.5°	282	276	280	296	314	333	325	310	266	232	210
60°	290	290	301	319	348	374	376	346	299	258	230
62.5°	281	283	295	328	379	434	428	408	336	276	241
65°	252	246	264	295	369	433	444	412	332	264	218
67.5°	224	215	225	253	310	391	403	381	298	237	185
70°	181	175	189	207	243	306	322	310	248	192	152
72.5°	122	122	137	163	186	208	213	221	193	152	113
75°	79	80	84	98	111	136	126	123	115	93	71
77.5°	36	37	43	52	59	69	71	66	50	35	23
80°	23	23	26	29	33	30	28	25	24	17	12
82.5°	16	14	16	17	18	17	17	14	10	10	6
85°	5	5	5	5	6	8	7	7	5	4	3
87.5°	3	3	3	3	3	3	3	3	2	2	1
90°	2	2	2	2	2	2	1	1	1	1	0
92.5°	2	2	2	2	2	1	1	1	1	0	0
95°	2	2	2	2	2	1	1	1	1	0	0
97.5°	2	2	2	2	1	1	1	1	1	0	0
100°	2	2	1	1	1	1	1	1	1	0	0
102.5°	1	1	1	1	1	1	1	1	1	0	0
105°	1	1	1	1	1	1	1	1	0	0	0
107.5°	1	1	1	1	1	1	1	1	0	0	0
110°	1	1	1	1	1	1	1	1	0	0	0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	1	1	1	1	1	1	0	0	0	0	0
115°	1	1	1	1	1	0	0	0	0	0	0
117.5°	1	1	1	1	1	0	0	0	0	0	0
120°	1	1	1	1	0	0	0	0	0	0	0
122.5°	1	1	1	1	0	0	0	0	0	0	0
125°	1	1	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	84	84	84	84	84	84	84	84	84	84	84
2.5°	81	78	75	69	49	44	41	36	13	8	8
5°	96	93	88	78	66	42	39	32	16	3	2
7.5°	115	112	110	91	78	66	54	48	28	39	42
10°	130	131	129	117	95	82	80	69	70	58	50
12.5°	133	134	132	118	105	94	85	79	76	72	80
15°	132	132	135	118	106	89	86	80	78	80	81
17.5°	135	133	133	117	106	97	85	81	77	80	82
20°	131	131	129	116	107	98	85	79	75	78	79
22.5°	129	129	126	114	108	97	83	77	74	79	78
25°	132	130	128	114	109	97	81	75	69	74	71
27.5°	135	132	133	118	110	95	79	72	65	69	68
30°	142	140	133	118	108	94	76	70	62	65	66
32.5°	149	139	135	113	104	91	72	65	56	62	63
35°	155	145	133	109	95	83	65	59	52	56	56
37.5°	159	149	132	100	84	71	56	51	47	51	50
40°	161	148	124	90	72	60	48	44	41	44	44
42.5°	162	149	116	77	60	49	40	37	36	37	38
45°	163	145	109	66	49	40	34	32	31	33	33
47.5°	165	147	106	57	40	33	28	27	25	26	26
50°	170	151	104	50	34	29	24	22	21	21	21
52.5°	176	156	103	47	31	26	22	19	18	18	18
55°	182	162	104	45	29	24	20	18	15	16	16
57.5°	188	167	106	44	28	24	20	17	15	15	16
60°	205	182	116	46	27	24	19	15	14	14	15
62.5°	214	187	125	48	27	24	18	15	13	14	15
65°	192	173	124	44	25	22	17	15	13	14	15
67.5°	162	145	109	38	22	19	16	14	12	13	14
70°	133	116	91	30	19	16	15	13	11	11	13
72.5°	98	89	73	23	15	14	13	11	10	8	11
75°	57	55	51	17	12	11	11	9	7	6	8
77.5°	18	19	23	11	9	8	7	6	5	4	6
80°	9	10	10	7	6	6	5	4	3	3	3
82.5°	5	5	5	4	3	3	3	2	2	1	2
85°	3	3	2	2	1	1	1	1	1	0	1
87.5°	1	1	1	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)