

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: G3-2001-660-16

Luminaire Tested: **303-P1-LEDB1-3500-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: G3-2001-660-16
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-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
PATHWAY, TYPE 2 WITH EDGE GLOW
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 709.5 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Luminous Opening: Rectangular (W 0.21' x L: 0.38' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U1 - G0

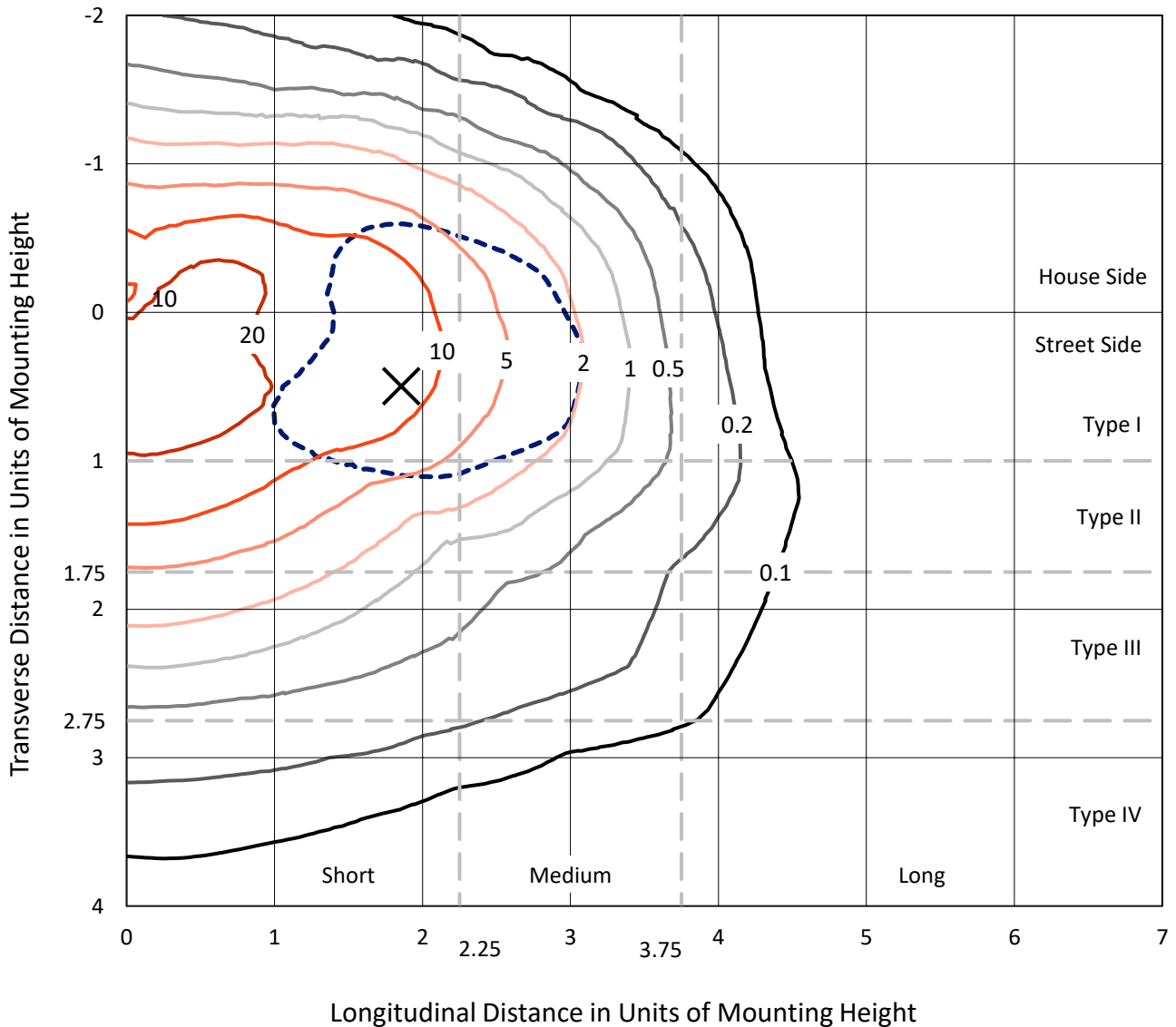
Input Watts (W): 8.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

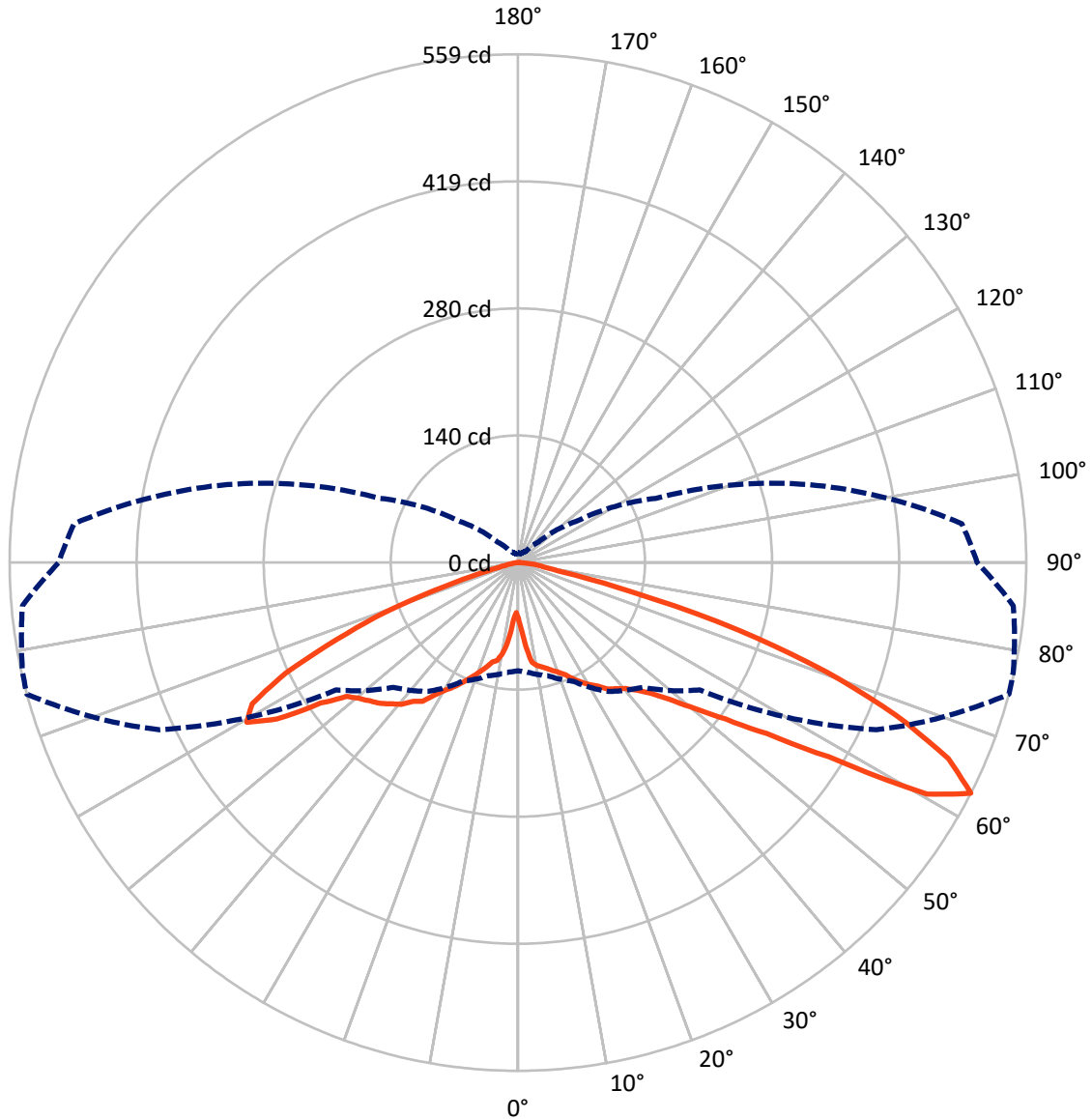
× Max cd
 - - - 1/2 Max cd



Based on 2 foot mounting height. Maximum calculated value = 30.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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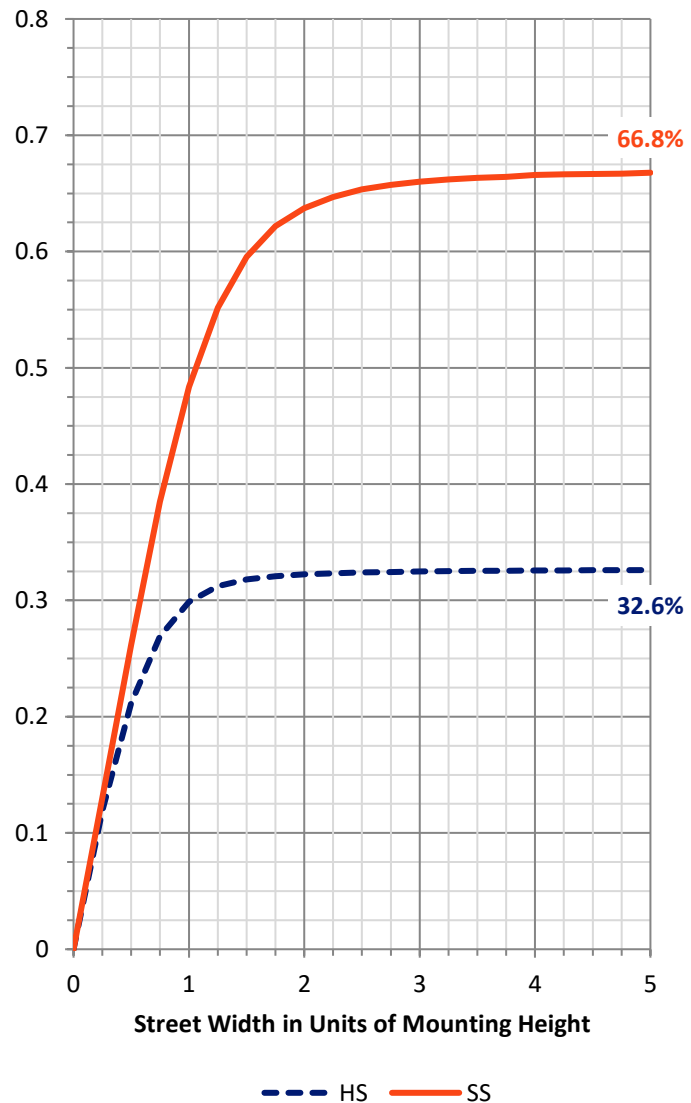
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	232.7	0.0	232.7
	% Fixture	32.8	0.0	32.8
Street Side	Lumens	474.6	2.2	476.8
	% Fixture	66.9	0.3	67.2
Total	Lumens	707.4	2.2	709.5
	% Fixture	99.7	0.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	1.1
10°-20°	29.8	4.2
20°-30°	55.3	7.8
30°-40°	90.7	12.8
40°-50°	130.9	18.5
50°-60°	172.1	24.3
60°-70°	168.8	23.8
70°-80°	47.4	6.7
80°-90°	4.7	0.7
90°-100°	0.9	0.1
100°-110°	0.6	0.1
110°-120°	0.4	0.1
120°-130°	0.2	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°	707.4	99.7
0°-180°	709.5	100.0



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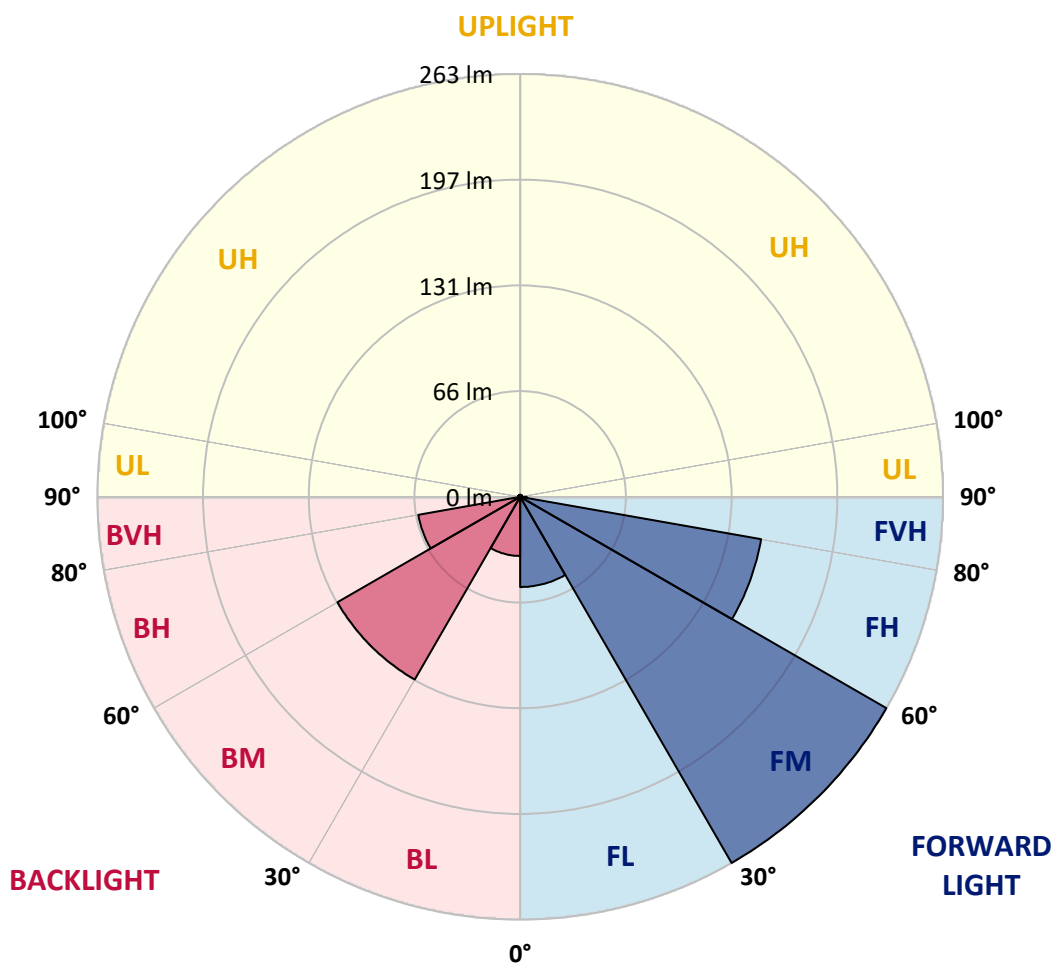
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	56.0	7.9			
FM (30°-60°)	262.6	37.0			
FH (60°-80°)	151.9	21.4			G0/660
FVH (80°-90°)	4.0	0.6			G0/10
BL (0°-30°)	36.7	5.2	B0/110		
BM (30°-60°)	131.0	18.5	B0/220		
BH (60°-80°)	64.3	9.1	B0/110		G0/110
BVH (80°-90°)	0.7	0.1			G0/10
UL (90°-100°)	0.9	0.1		U1/10	
UH (100°-180°)	1.2	0.2		U1/10	

BUG Rating: B0-U1-G0

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	61	61	61	61	61	61	61	61	61	61	61
2.5°	107	108	108	102	99	92	84	76	73	72	69
5°	113	113	110	110	111	110	109	101	93	88	85
7.5°	124	125	119	118	116	116	110	111	111	109	99
10°	130	132	126	124	123	123	119	117	115	112	113
12.5°	132	132	129	129	126	126	124	116	118	117	115
15°	136	136	132	132	129	124	126	122	121	120	120
17.5°	138	143	137	133	131	130	128	125	125	124	121
20°	140	142	141	137	133	132	130	129	129	129	130
22.5°	142	143	141	138	137	133	133	134	134	132	136
25°	142	143	141	139	137	139	137	141	142	142	144
27.5°	140	145	144	142	141	142	144	147	149	149	151
30°	151	155	153	149	148	150	148	151	156	156	156
32.5°	168	168	167	162	162	162	161	157	162	162	166
35°	177	185	181	180	180	178	173	171	171	168	171
37.5°	195	197	195	196	198	195	192	182	176	174	178
40°	205	208	206	209	215	216	209	192	182	181	183
42.5°	207	213	214	221	227	232	233	213	192	188	190
45°	211	218	220	224	236	246	246	233	205	196	193
47.5°	220	221	228	228	242	251	266	260	225	214	207
50°	210	221	223	229	243	257	278	286	252	239	220
52.5°	219	221	227	226	237	257	286	305	286	274	239
55°	215	216	220	222	235	252	289	329	332	317	284
57.5°	189	192	199	209	221	237	288	370	403	401	382
60°	152	157	167	180	206	226	279	427	517	515	494
62.5°	119	121	129	144	173	194	244	435	559	558	547
65°	99	101	102	109	124	151	190	400	520	538	533
67.5°	65	69	72	80	88	98	123	325	449	460	478
70°	39	39	44	55	70	76	79	211	360	371	395
72.5°	29	29	31	36	51	69	71	122	254	257	260
75°	21	22	22	24	29	48	75	68	128	122	93
77.5°	13	13	14	15	17	23	53	46	49	43	20
80°	9	9	9	9	10	11	24	43	28	31	12
82.5°	6	6	6	6	6	6	8	35	21	27	7
85°	4	4	4	4	4	4	4	13	8	9	3
87.5°	3	3	3	3	3	3	3	3	2	1	1
90°	3	3	3	3	3	2	2	1	1	1	0
92.5°	3	3	3	3	2	2	2	1	1	1	0
95°	2	3	3	2	2	2	2	1	1	0	0
97.5°	2	2	2	2	2	2	1	1	1	0	0
100°	2	2	2	2	2	2	1	1	1	0	0
102.5°	2	2	2	2	2	2	1	1	1	0	0
105°	2	2	2	2	2	1	1	1	0	0	0
107.5°	2	2	2	2	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°	55°	65°	75°	77.5°	85°
112.5°	1	1	1	1	1	1	1	1	0	0	0
115°	1	1	1	1	1	1	1	1	0	0	0
117.5°	1	1	1	1	1	1	1	1	0	0	0
120°	1	1	1	1	1	1	1	0	0	0	0
122.5°	1	1	1	1	1	1	1	0	0	0	0
125°	1	1	1	1	1	0	0	0	0	0	0
127.5°	1	1	1	1	1	0	0	0	0	0	0
130°	1	1	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°	61	61	61	61	61	61	61	61	61	61	61
2.5°	65	63	55	46	35	31	28	18	9	6	6
5°	78	76	63	58	48	35	29	22	14	9	4
7.5°	94	93	86	72	61	52	44	40	27	28	28
10°	111	110	101	92	77	65	59	58	51	44	43
12.5°	113	116	110	95	85	74	66	58	54	55	59
15°	118	117	113	100	90	75	67	61	55	56	60
17.5°	124	124	121	105	94	79	69	64	56	60	61
20°	129	129	128	110	99	80	70	65	57	59	61
22.5°	136	140	136	119	104	86	72	66	57	59	61
25°	143	146	144	127	112	88	73	67	57	57	61
27.5°	151	154	153	133	118	93	75	65	57	58	60
30°	159	165	161	142	125	96	77	68	56	55	59
32.5°	167	169	171	152	130	100	77	66	56	55	59
35°	175	182	185	156	135	102	76	65	54	53	55
37.5°	180	187	191	167	139	101	74	63	51	50	52
40°	186	194	202	173	140	101	71	58	47	46	48
42.5°	194	207	209	177	142	97	67	54	43	41	44
45°	201	213	217	177	138	92	62	48	38	37	38
47.5°	210	223	223	179	133	86	56	42	33	31	33
50°	224	237	230	173	127	81	49	36	27	26	28
52.5°	241	259	239	175	119	72	43	30	23	22	23
55°	282	297	266	175	112	63	35	24	19	19	20
57.5°	369	385	316	186	107	55	28	19	15	16	16
60°	474	464	346	188	98	43	20	15	13	13	14
62.5°	505	490	331	167	80	32	15	12	10	10	11
65°	485	449	283	127	56	20	11	9	8	8	9
67.5°	415	386	216	86	33	13	9	8	7	7	8
70°	346	300	155	50	17	10	7	6	5	6	6
72.5°	218	189	84	26	11	8	6	5	4	4	5
75°	75	63	33	11	8	6	4	4	2	3	3
77.5°	18	18	14	7	6	5	3	2	2	2	2
80°	11	11	8	5	4	3	2	1	1	1	1
82.5°	6	6	5	4	2	2	1	0	0	0	0
85°	3	2	2	1	1	0	0	0	0	0	0
87.5°	1	1	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)