Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: STREETWORKS

Report Number: P560038

Luminaire Tested: **SDL-PA1-20-740-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560038
Test Lab:	COOPER LIGHTING SOLUTIONS
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-20-740-U-T3-HSS
Description:	Springdale (1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2036.4 lumens
Efficiency:	N/A
Efficacy:	97.0 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 1.08')
IES Classification:	Type IV - Medium
BUG Rating:	B0 - U0 - G1

Input Watts (W):	21
Input Voltage (V):	NR
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:	24 FT

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Scaled Data Report

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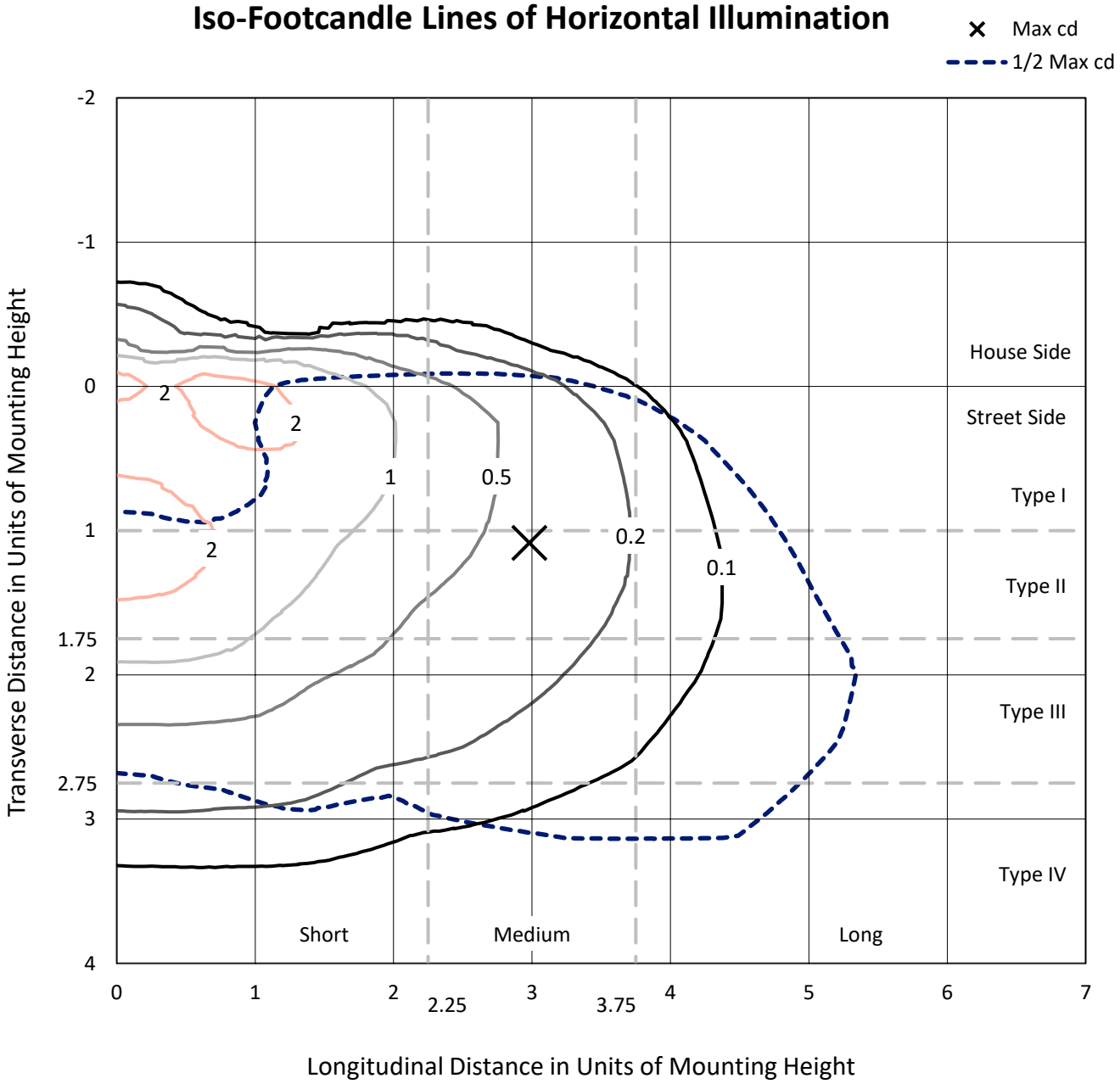
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
Type IV - Medium - N/A

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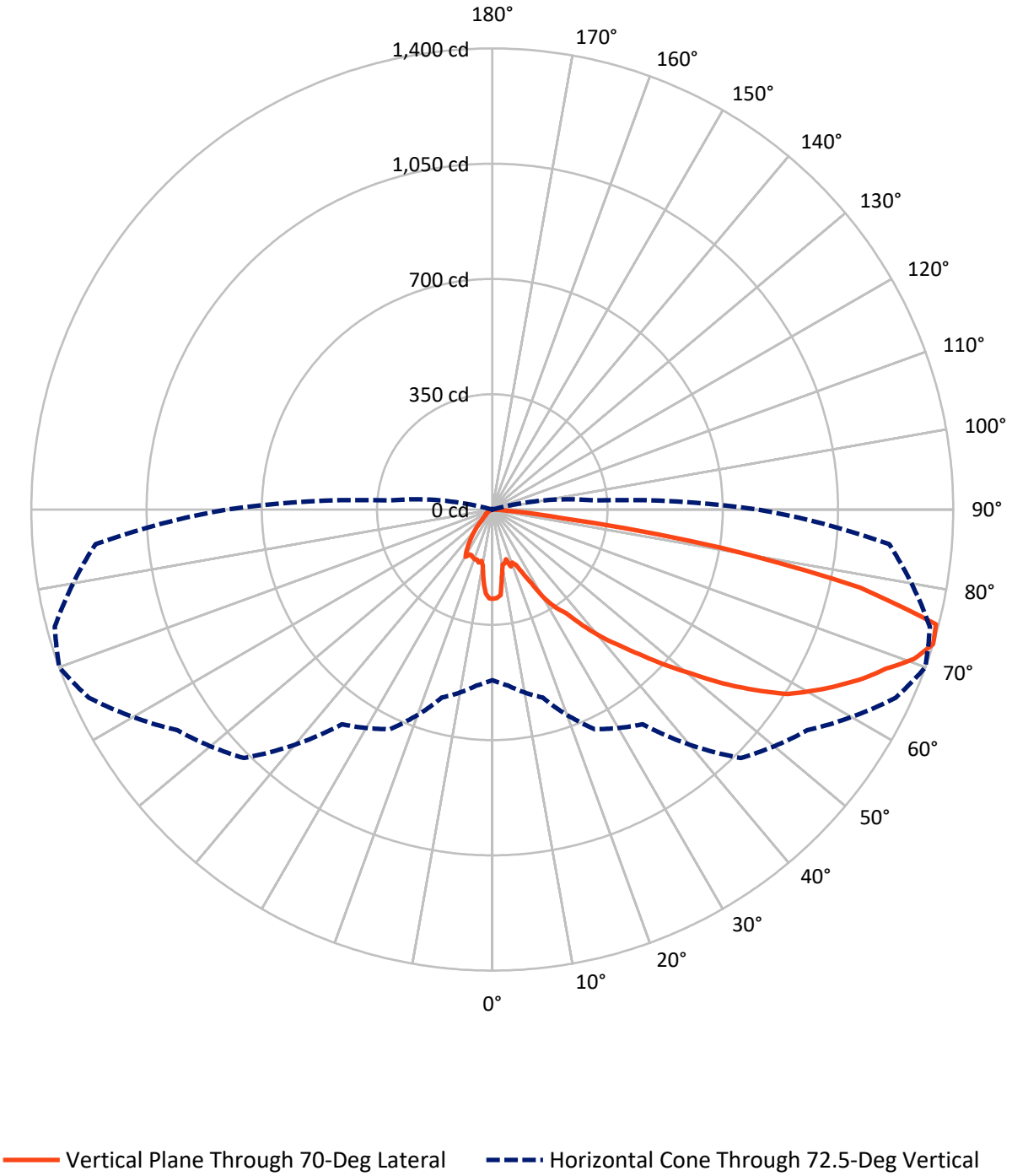
Luminous Intensity Polar Plot



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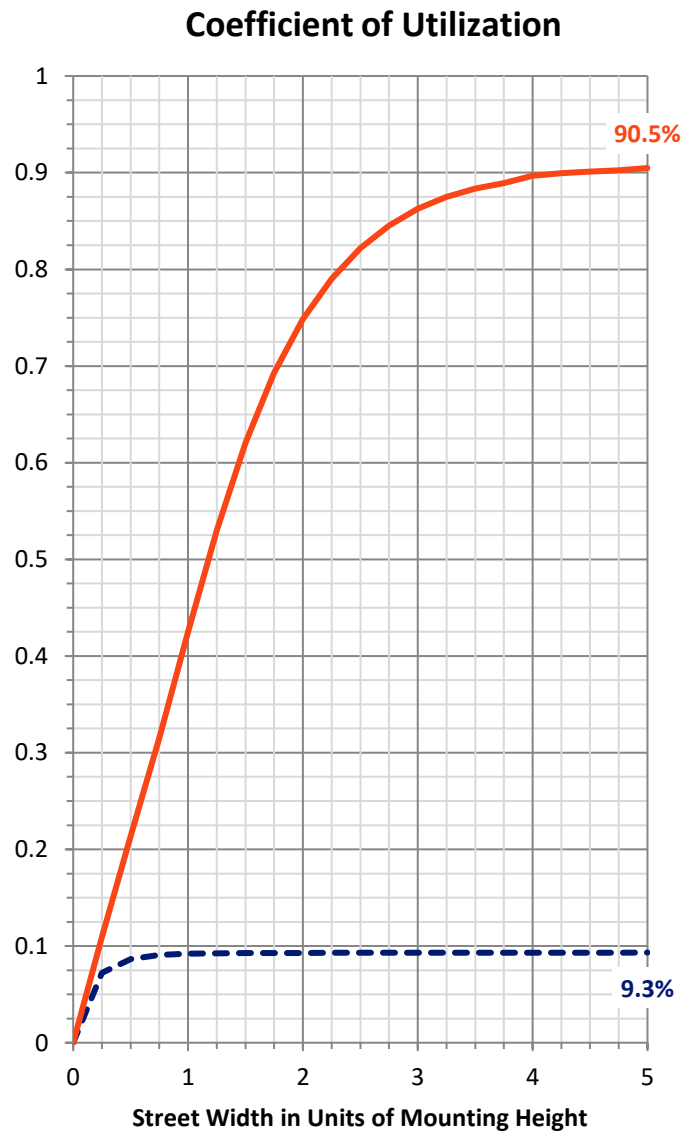
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	192.0	0.0	192.0
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	1844.4	0.0	1844.4
	% Fixture	90.6	0.0	90.6
Total	Lumens	2036.4	0.0	2036.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	1.0
10°-20°	41.7	2.0
20°-30°	67.9	3.3
30°-40°	145.0	7.1
40°-50°	279.3	13.7
50°-60°	462.0	22.7
60°-70°	565.5	27.8
70°-80°	414.3	20.3
80°-90°	39.8	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	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°	2036.4	100.0
0°-180°	2036.4	100.0



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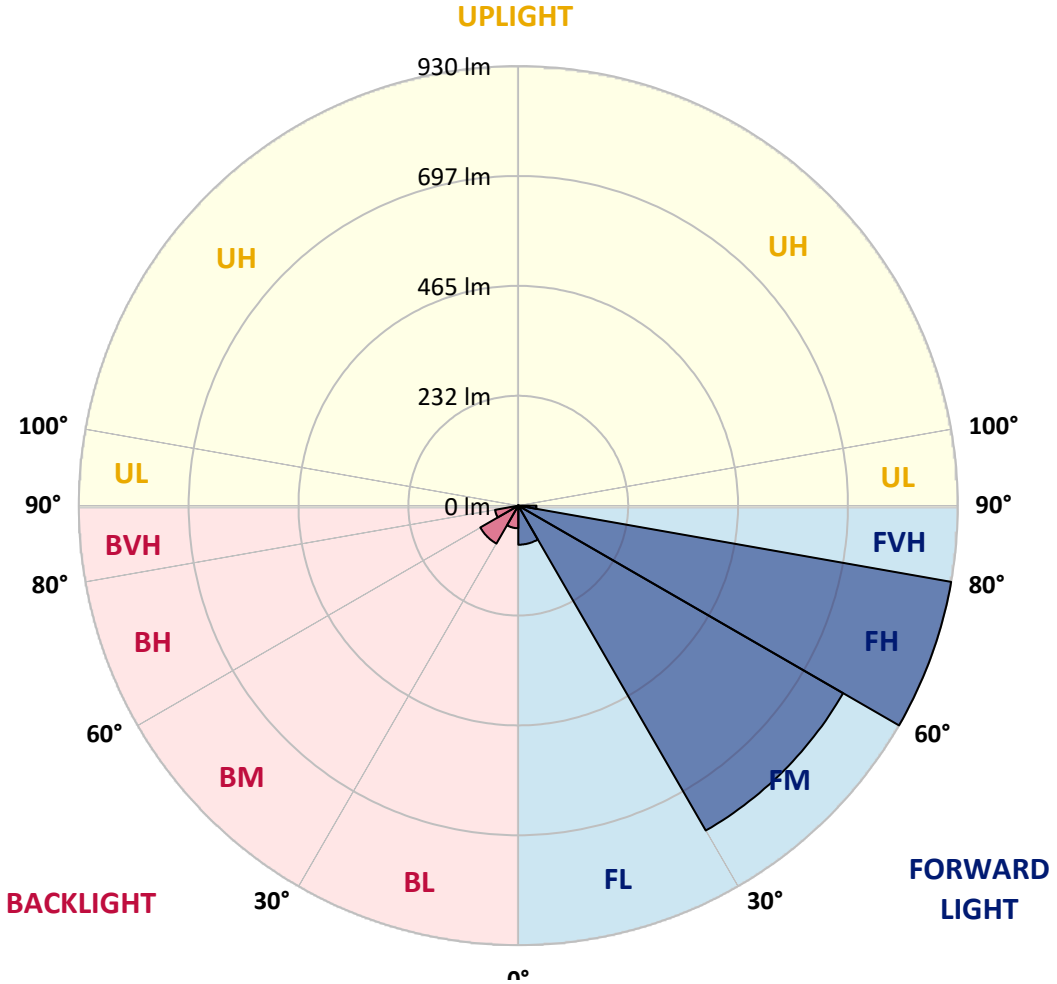
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	82.7	4.1			
FM	(30°-60°)	793.5	39.0			
FH	(60°-80°)	929.8	45.7			G1/1800
FVH	(80°-90°)	38.4	1.9			G1/100
BL	(0°-30°)	47.8	2.3	B0/110		
BM	(30°-60°)	92.8	4.6	B0/220		
BH	(60°-80°)	50.0	2.5	B0/110		G0/110
BVH	(80°-90°)	1.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	271	271	271	271	271	271	271	271	271	271	271
2.5°	241	248	252	256	255	254	256	258	262	265	267
5°	217	217	217	217	218	218	218	218	219	220	221
7.5°	188	192	194	196	201	205	209	213	215	216	217
10°	204	204	204	204	205	205	192	178	179	180	174
12.5°	169	168	179	189	196	202	195	187	175	162	160
15°	199	199	199	199	185	171	161	151	159	166	150
17.5°	157	161	173	185	185	185	176	167	150	132	151
20°	195	195	195	194	171	148	156	163	170	177	174
22.5°	162	160	163	166	173	179	159	138	161	183	172
25°	205	205	206	206	184	162	175	187	170	153	180
27.5°	185	179	178	176	183	189	180	171	190	209	200
30°	257	257	250	243	216	188	191	193	193	193	213
32.5°	357	358	331	303	279	254	232	209	221	233	246
35°	481	484	465	445	386	327	290	253	252	250	269
37.5°	570	576	561	546	476	406	353	300	295	289	296
40°	654	650	641	631	557	482	424	365	352	338	339
42.5°	763	751	728	705	634	563	501	439	418	397	393
45°	904	884	851	817	747	677	601	524	498	471	465
47.5°	976	962	941	919	847	775	702	628	592	555	545
50°	1061	1043	1029	1014	952	889	821	752	704	656	639
52.5°	1142	1112	1099	1085	1036	986	915	844	813	781	740
55°	1171	1142	1136	1130	1095	1060	995	930	894	857	824
57.5°	1108	1112	1130	1148	1128	1108	1055	1001	961	921	902
60°	1065	1074	1101	1128	1128	1128	1099	1070	1032	994	981
62.5°	996	1007	1048	1089	1115	1141	1110	1079	1066	1052	1040
65°	905	908	954	1000	1054	1107	1078	1048	1073	1098	1086
67.5°	800	805	848	890	954	1018	1010	1001	1056	1111	1110
70°	675	684	721	757	829	900	908	916	1011	1105	1123
72.5°	*518*	*536*	*564*	*591*	*664*	*736*	*766*	*796*	*932*	*1067*	*1118*
75°	172	184	262	339	413	487	553	618	788	957	1063
77.5°	50	52	67	81	139	196	264	331	497	662	838
80°	26	27	30	33	48	63	91	118	194	270	455
82.5°	18	18	21	23	29	35	50	65	71	77	183
85°	6	6	8	10	14	18	27	35	35	34	49
87.5°	1	1	2	3	5	6	5	4	3	2	4
90°	0	0	0	0	0	0	0	0	0	0	0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	271	271	271	271	271	271	271	271	271	271	271
2.5°	268	269	269	269	270	270	270	270	269	270	270
5°	221	239	256	261	264	265	265	265	264	264	264
7.5°	218	217	216	208	227	231	234	233	233	228	222
10°	168	168	168	170	181	194	207	207	207	192	177
12.5°	157	163	168	168	150	165	180	180	180	165	149
15°	134	141	147	157	187	205	223	223	222	205	187
17.5°	169	167	164	182	171	174	177	168	181	176	171
20°	171	153	134	172	211	228	245	246	243	224	204
22.5°	161	184	206	182	188	184	179	177	177	176	175
25°	206	184	162	213	249	261	273	270	266	239	212
27.5°	190	212	233	253	271	282	293	324	282	251	219
30°	232	259	285	314	369	385	401	393	383	323	263
32.5°	258	301	343	356	389	404	418	411	399	320	241
35°	287	327	366	387	427	439	450	439	426	317	208
37.5°	303	357	410	446	480	483	485	475	458	317	176
40°	340	398	455	507	534	535	536	520	489	314	138
42.5°	389	448	506	563	599	596	592	570	519	309	99
45°	459	511	563	627	671	663	654	621	540	304	67
47.5°	534	575	615	703	759	742	724	676	555	302	48
50°	621	654	687	783	850	818	786	731	561	300	38
52.5°	698	732	765	877	928	892	856	774	558	296	33
55°	790	820	850	967	1008	960	911	805	543	287	30
57.5°	882	913	943	1057	1069	1022	974	835	528	278	27
60°	968	1003	1038	1118	1127	1085	1043	864	504	264	24
62.5°	1028	1076	1124	1178	1182	1144	1105	886	473	248	22
65°	1073	1139	1204	1237	1235	1208	1181	905	448	233	18
67.5°	1108	1188	1268	1290	1295	1270	1245	908	417	216	14
70°	1141	1229	1317	1359	1349	1310	1271	885	375	193	10
72.5°	1168	1260	1352	1400	1376	1293	1210	807	314	161	7
75°	1168	1260	1351	1392	1310	1145	979	601	184	95	6
77.5°	1014	1081	1148	1142	998	793	587	346	62	34	5
80°	640	684	728	706	510	366	221	116	22	13	4
82.5°	289	284	279	215	100	67	33	20	6	4	2
85°	64	62	60	44	30	20	10	6	3	3	2
87.5°	6	7	7	5	5	4	2	2	2	2	2
90°	0	0	0	0	0	0	0	0	0	0	0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	271	271	271	271	271	271	271	271	271	271	271
2.5°	270	270	270	269	269	269	262	254	249	243	240
5°	255	246	235	224	222	219	220	220	221	221	221
7.5°	217	212	214	216	216	216	216	215	214	213	203
10°	173	169	169	169	172	174	169	163	172	180	178
12.5°	159	169	156	142	144	145	145	144	140	136	122
15°	166	145	133	120	120	120	97	74	69	64	65
17.5°	159	147	133	118	89	59	56	52	52	52	53
20°	160	116	98	80	64	47	44	40	38	35	41
22.5°	157	138	94	50	44	38	35	31	36	41	41
25°	152	91	68	44	37	30	34	37	35	32	37
27.5°	153	86	59	32	34	35	33	30	33	35	33
30°	165	67	50	32	31	29	30	31	30	28	30
32.5°	147	53	42	30	29	28	27	26	27	27	27
35°	124	40	34	28	26	24	24	23	23	23	23
37.5°	105	34	30	25	23	21	20	18	18	17	17
40°	85	31	27	22	20	17	16	14	14	13	13
42.5°	64	28	24	19	17	14	12	10	10	9	9
45°	46	25	21	16	14	11	9	7	7	6	6
47.5°	36	23	19	14	11	8	7	5	5	5	5
50°	29	20	16	11	8	5	4	3	3	3	3
52.5°	26	18	14	9	7	4	3	2	3	3	3
55°	23	16	12	7	5	3	3	2	3	3	3
57.5°	21	14	10	5	4	2	2	1	2	2	2
60°	18	12	8	4	3	1	1	1	2	2	2
62.5°	16	10	7	3	2	1	1	1	2	2	2
65°	13	7	5	2	2	1	1	1	2	2	2
67.5°	10	5	4	2	2	1	1	1	2	2	1
70°	7	4	3	1	1	1	1	1	2	2	1
72.5°	*5*	*3*	*2*	*1*	*1*	*0*	*1*	*1*	*2*	*2*	*2*
75°	5	3	2	1	1	0	1	2	2	2	2
77.5°	4	2	2	1	1	0	1	2	2	2	2
80°	3	2	2	1	1	0	2	3	3	3	2
82.5°	2	2	2	1	1	0	2	3	3	3	2
85°	2	2	2	2	1	0	2	3	3	3	3
87.5°	2	2	2	2	2	1	3	4	4	3	3
90°	0	0	0	0	0	0	0	0	0	0	0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	271	271	271	271
2.5°	236	236	235	238
5°	221	221	221	222
7.5°	192	185	178	179
10°	175	173	170	172
12.5°	108	102	95	92
15°	66	66	66	65
17.5°	54	50	45	46
20°	47	48	49	49
22.5°	41	39	37	37
25°	41	41	41	41
27.5°	31	31	30	30
30°	32	32	31	30
32.5°	26	26	26	26
35°	22	21	20	20
37.5°	17	16	15	15
40°	12	12	11	11
42.5°	9	9	8	8
45°	6	6	6	6
47.5°	4	4	4	4
50°	3	3	3	3
52.5°	3	3	2	2
55°	2	2	2	2
57.5°	2	2	2	2
60°	2	2	1	1
62.5°	1	1	1	1
65°	1	1	0	0
67.5°	0	0	0	0
70°	0	0	0	0
72.5°	*1*	*1*	*0*	*0*
75°	1	1	0	0
77.5°	1	1	0	0
80°	1	1	0	0
82.5°	1	1	1	0
85°	2	2	1	0
87.5°	2	2	1	0
90°	0	0	0	0

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(END OF REPORT)