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: P560039

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

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560039
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
Description:	Springdale (1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2736 lumens
Efficiency:	N/A
Efficacy:	130.9 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:	B1 - U0 - G1

Input Watts (W):	20.9
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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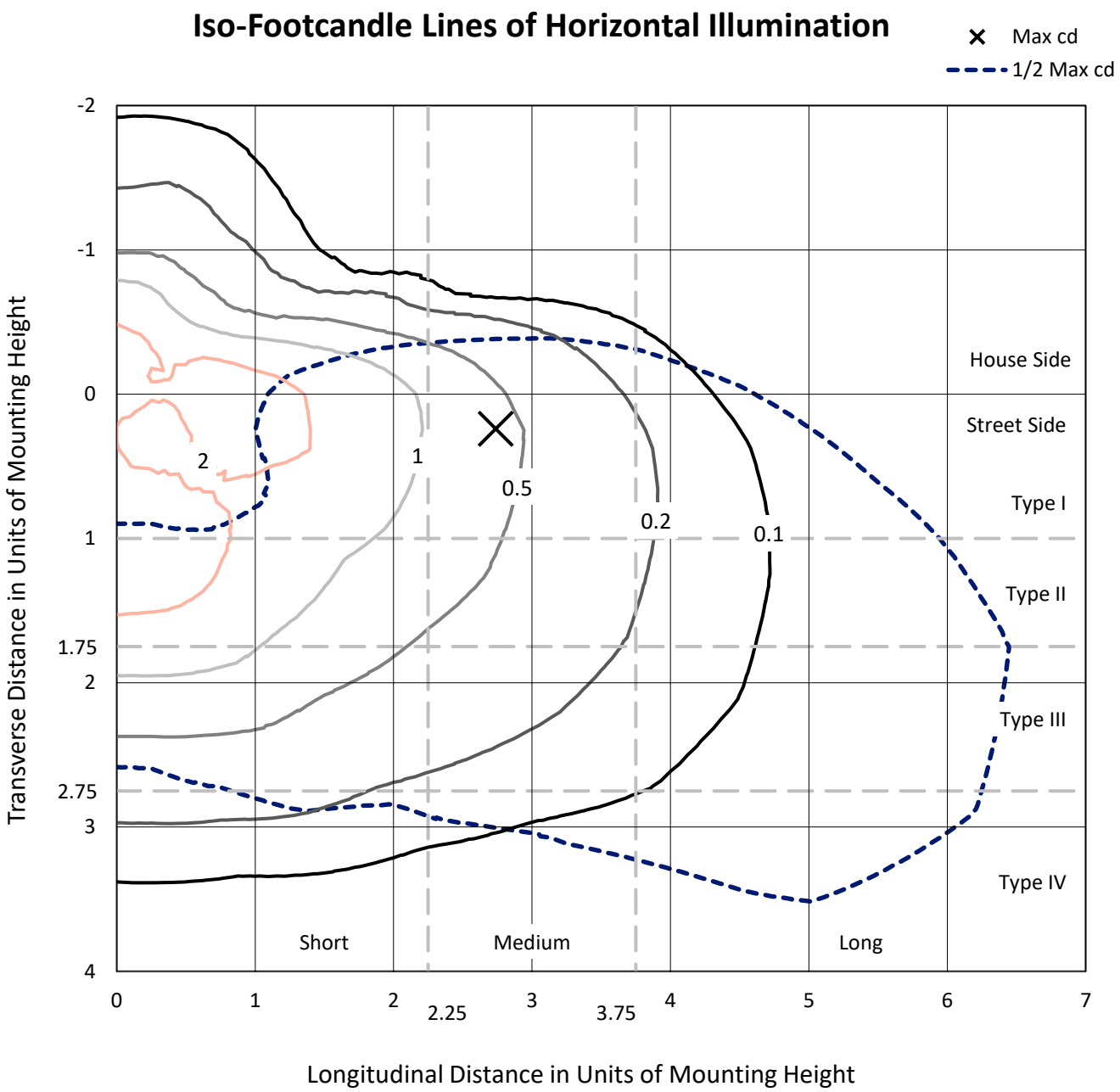
Scaled Data Report

REPORT NUMBER: P560039
CATALOG NUMBER: SDL-PA1-20-740-U-T3



Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
Type IV - Medium - N/A

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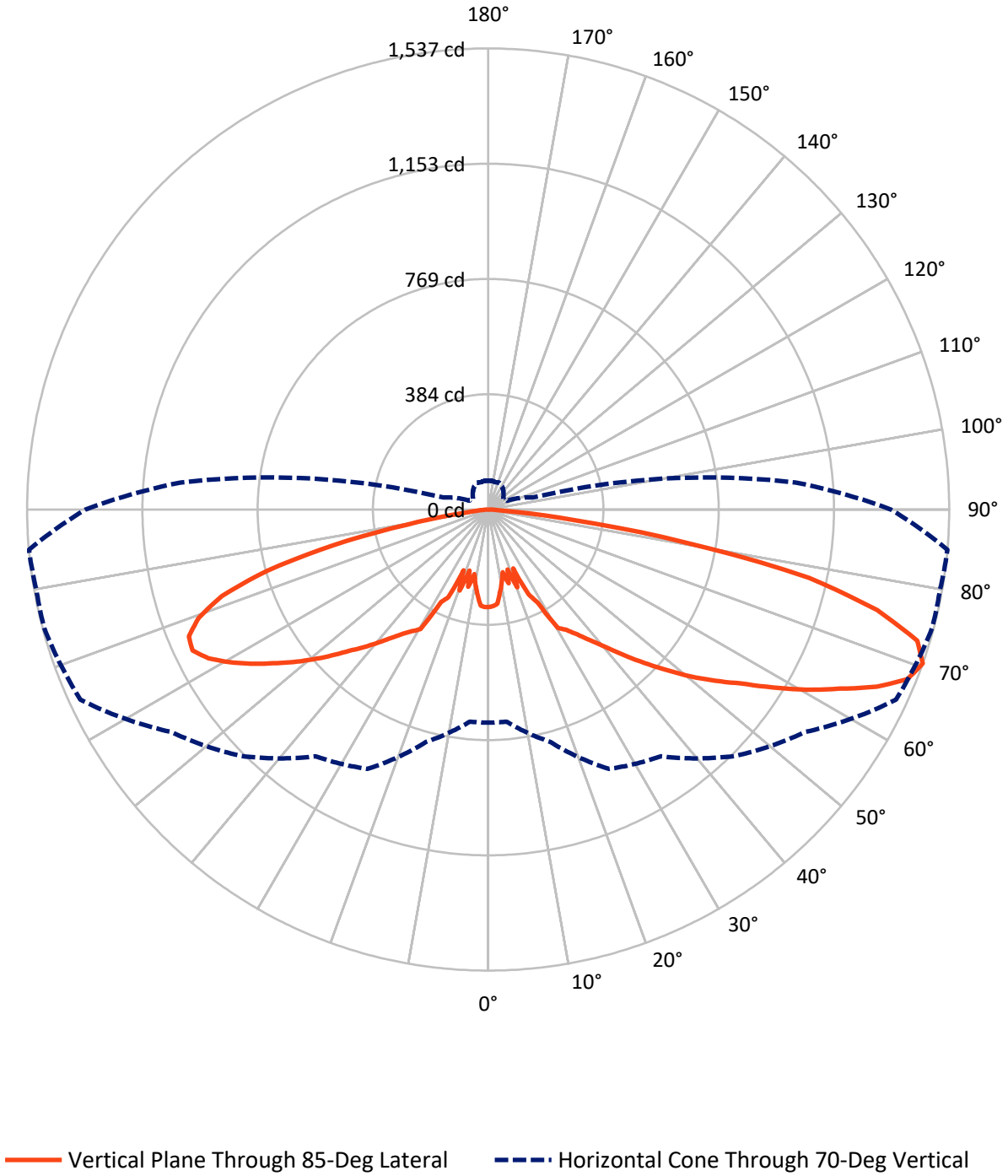
Luminous Intensity Polar Plot



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Scaled Data Report

REPORT NUMBER: P560039
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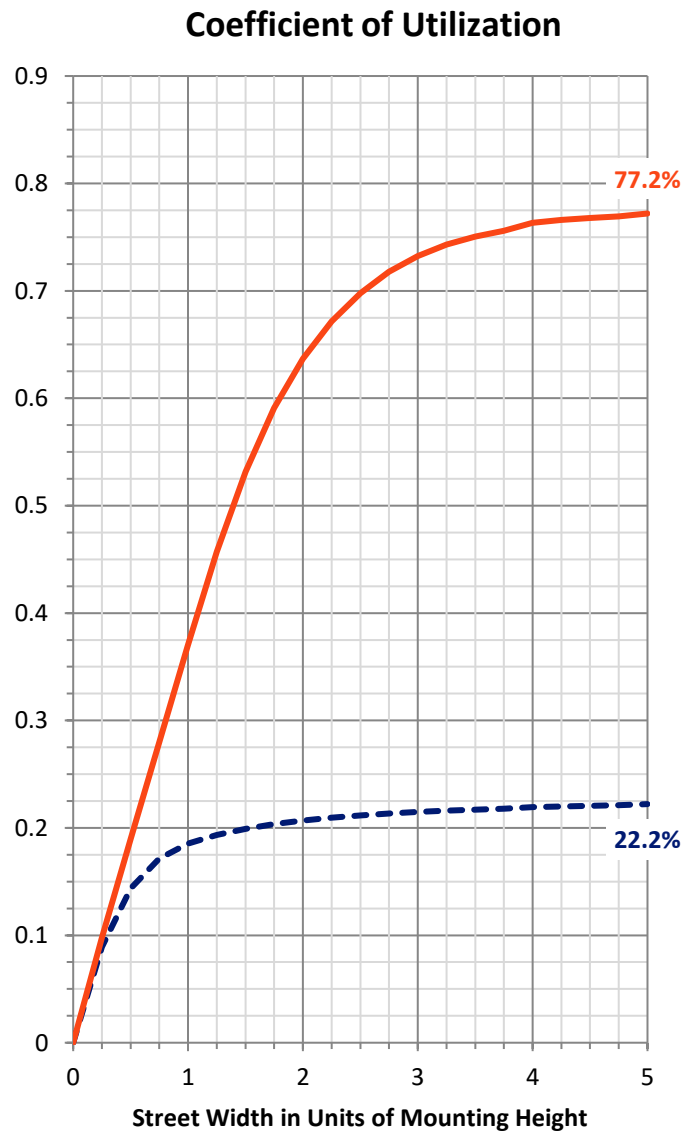
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	618.6	0.0	618.6
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	2117.4	0.0	2117.4
	% Fixture	77.4	0.0	77.4
Total	Lumens	2736.0	0.0	2736.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.4	1.0
10°-20°	66.1	2.4
20°-30°	120.7	4.4
30°-40°	228.0	8.3
40°-50°	371.4	13.6
50°-60°	573.0	20.9
60°-70°	702.4	25.7
70°-80°	550.1	20.1
80°-90°	97.9	3.6
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°	2736.0	100.0
0°-180°	2736.0	100.0



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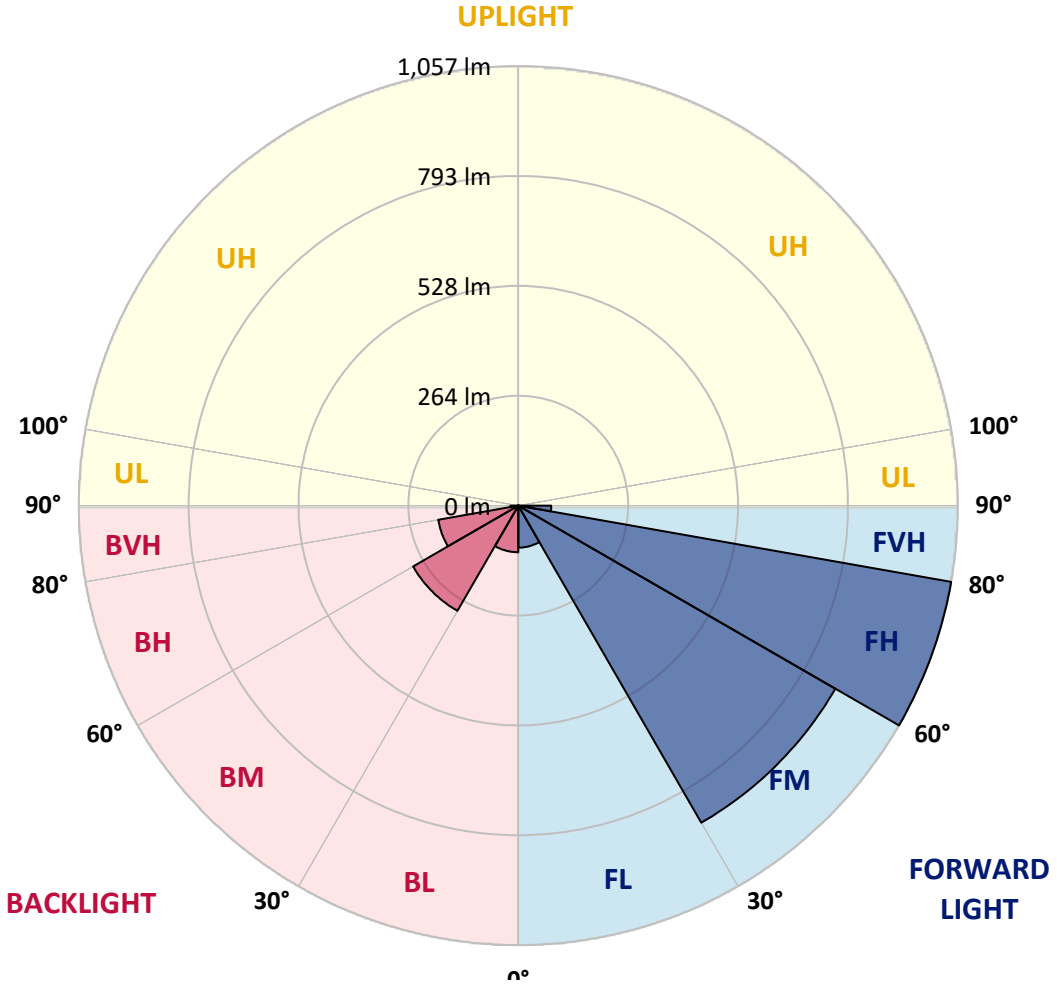
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	101.0	3.7			
FM	(30°-60°)	880.2	32.2			
FH	(60°-80°)	1056.8	38.6			G1/1800
FVH	(80°-90°)	79.3	2.9			G1/100
BL	(0°-30°)	112.2	4.1	B1/500		
BM	(30°-60°)	292.2	10.7	B1/1000		
BH	(60°-80°)	195.6	7.1	B1/500		G1/500
BVH	(80°-90°)	18.6	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	325	325	325	325	325	325	325	325	325	325	325
2.5°	268	292	292	292	297	301	303	304	308	311	313
5°	250	251	251	251	252	253	254	255	257	258	261
7.5°	210	214	222	229	234	239	243	246	248	250	251
10°	234	234	234	234	234	234	222	210	211	211	205
12.5°	196	202	211	219	226	232	224	216	201	186	186
15°	227	227	226	225	212	199	187	175	183	191	177
17.5°	195	196	208	219	217	214	203	191	172	152	172
20°	250	247	241	235	207	179	184	189	194	198	198
22.5°	230	232	236	240	237	233	204	175	192	209	194
25°	315	315	303	291	261	230	235	239	210	180	205
27.5°	291	289	284	278	284	289	263	236	244	252	231
30°	387	387	382	377	334	290	287	283	266	248	260
32.5°	464	463	440	417	393	368	342	315	313	311	309
35°	556	556	543	530	477	423	392	361	352	343	350
37.5°	608	615	610	604	546	487	444	400	391	382	385
40°	680	678	677	675	608	541	495	448	442	436	436
42.5°	789	778	766	753	685	617	566	514	503	491	492
45°	939	927	899	870	801	732	664	596	577	557	555
47.5°	1031	1018	1004	989	915	841	771	700	672	644	633
50°	1126	1114	1103	1092	1027	962	892	822	778	734	715
52.5°	1216	1194	1183	1172	1117	1061	988	915	882	849	808
55°	1260	1233	1229	1224	1183	1141	1071	1001	964	926	885
57.5°	1198	1200	1222	1244	1221	1198	1132	1066	1029	992	961
60°	1142	1157	1184	1211	1213	1214	1179	1144	1103	1062	1038
62.5°	1065	1076	1118	1159	1190	1220	1184	1148	1134	1119	1104
65°	961	964	1012	1059	1115	1170	1142	1114	1138	1161	1163
67.5°	834	843	890	937	1005	1072	1071	1070	1121	1171	1206
70°	*710*	*710*	*756*	*802*	*878*	*954*	*979*	*1004*	*1083*	*1162*	*1227*
72.5°	535	560	584	608	693	777	832	887	1005	1122	1221
75°	295	297	318	339	424	509	592	675	833	991	1147
77.5°	97	94	106	117	167	216	286	356	530	704	955
80°	54	55	59	63	79	94	128	162	236	309	607
82.5°	36	37	41	45	52	59	78	96	103	109	274
85°	23	24	26	28	30	31	44	57	52	47	82
87.5°	5	5	6	6	7	8	10	12	11	9	12
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°	325	325	325	325	325	325	*325*	325	325	325	325
2.5°	314	316	317	318	319	321	*322*	323	325	326	326
5°	264	282	299	305	311	314	*316*	319	321	323	325
7.5°	252	253	254	261	268	274	*280*	282	287	284	280
10°	198	199	199	206	213	234	*248*	251	254	242	229
12.5°	185	190	195	192	189	204	*214*	218	220	212	204
15°	162	167	171	194	217	237	*255*	260	266	253	239
17.5°	192	190	187	191	195	200	*210*	213	213	217	221
20°	198	176	154	195	236	254	*277*	285	287	276	265
22.5°	178	203	228	223	218	213	*213*	216	219	221	223
25°	229	208	187	235	283	302	*313*	318	322	308	293
27.5°	210	238	265	286	307	328	*351*	373	346	333	320
30°	271	294	317	367	417	444	*458*	458	458	439	419
32.5°	307	347	387	414	440	467	*478*	478	478	455	431
35°	356	388	420	451	482	503	*511*	508	502	471	440
37.5°	388	431	474	506	537	550	*553*	544	535	494	452
40°	436	483	529	563	597	608	*602*	590	574	519	464
42.5°	492	539	586	626	665	672	*663*	644	616	541	465
45°	553	600	646	691	736	741	*729*	701	660	562	464
47.5°	621	658	695	759	823	817	*799*	767	713	587	460
50°	696	725	753	833	913	895	*875*	840	769	616	462
52.5°	766	794	822	905	987	970	*948*	917	826	647	467
55°	844	874	904	992	1080	1051	*1023*	1003	882	673	464
57.5°	929	967	1005	1086	1166	1135	*1119*	1093	944	704	464
60°	1014	1060	1106	1177	1248	1223	*1220*	1184	1002	727	451
62.5°	1089	1158	1227	1283	1338	1314	*1315*	1273	1056	732	407
65°	1165	1254	1342	1383	1424	1407	*1424*	1349	1092	712	332
67.5°	1240	1338	1436	1467	1498	1488	*1508*	1374	1084	660	235
70°	*1292*	*1396*	*1500*	*1516*	*1532*	*1530*	*1537*	*1343*	*1030*	*593*	*155*
72.5°	1320	1418	1515	1522	1528	1525	*1496*	1246	933	520	107
75°	1302	1397	1492	1478	1464	1436	*1339*	1073	765	422	79
77.5°	1206	1309	1412	1376	1339	1257	*1094*	804	532	297	61
80°	905	1032	1159	1116	1072	899	*666*	450	275	161	47
82.5°	438	509	580	569	558	413	*288*	162	79	58	37
85°	116	172	228	218	208	110	*48*	42	31	29	26
87.5°	14	16	17	12	6	5	*5*	3	3	4	4
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°	325	325	325	325	325	325	325	325	325	325	325
2.5°	328	329	329	329	329	329	321	313	311	309	305
5°	316	306	299	292	292	291	294	297	299	300	301
7.5°	281	282	288	293	298	302	305	307	305	302	290
10°	230	231	236	240	247	253	270	286	305	324	329
12.5°	219	233	225	217	239	260	282	303	318	332	322
15°	223	207	210	213	240	267	251	234	274	314	323
17.5°	222	222	237	252	227	201	238	274	290	305	293
20°	237	208	219	229	249	268	252	236	242	248	287
22.5°	247	270	245	219	237	255	252	249	267	285	275
25°	258	222	240	257	237	216	232	247	242	237	268
27.5°	296	271	248	225	237	248	236	223	228	233	231
30°	358	296	267	238	223	207	208	209	215	221	238
32.5°	374	317	275	233	223	213	204	194	203	212	232
35°	378	315	270	225	209	193	187	181	196	211	229
37.5°	376	299	251	203	191	179	176	172	182	191	204
40°	371	278	230	182	172	162	160	158	165	172	180
42.5°	362	258	210	162	155	148	146	143	149	155	158
45°	351	238	193	147	142	136	133	129	135	140	141
47.5°	340	219	178	136	132	127	124	120	125	129	130
50°	331	199	162	125	121	117	114	111	116	120	120
52.5°	326	184	148	112	110	108	107	105	109	113	114
55°	314	163	132	100	101	101	100	98	106	113	116
57.5°	301	138	115	91	93	95	96	97	106	114	118
60°	284	117	100	83	86	88	93	97	105	113	115
62.5°	254	100	88	76	80	84	90	96	102	108	108
65°	210	87	79	70	76	81	88	95	100	104	103
67.5°	157	78	72	65	72	78	84	90	96	102	100
70°	*113*	*70*	*66*	*61*	*67*	*73*	*79*	*85*	*91*	*97*	*96*
72.5°	86	64	60	56	62	67	74	81	87	93	91
75°	69	58	55	51	57	63	70	76	82	88	86
77.5°	57	52	49	46	51	56	63	70	76	81	79
80°	46	44	42	39	45	50	57	63	68	73	70
82.5°	36	35	34	32	37	42	49	56	60	64	62
85°	27	27	26	25	29	32	36	39	43	46	44
87.5°	4	4	6	7	7	7	10	13	13	12	10
90°	0	0	0	0	0	0	0	0	0	0	0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	325	325	325	325
2.5°	301	301	301	302
5°	302	303	303	305
7.5°	277	276	275	275
10°	333	335	336	338
12.5°	311	299	287	287
15°	332	334	335	337
17.5°	281	280	279	277
20°	325	327	328	328
22.5°	265	265	264	264
25°	299	299	299	301
27.5°	228	235	242	251
30°	255	256	257	257
32.5°	252	265	278	280
35°	247	247	246	247
37.5°	217	214	210	212
40°	187	180	173	172
42.5°	161	155	148	148
45°	142	138	133	131
47.5°	130	126	122	121
50°	119	115	111	111
52.5°	115	112	108	107
55°	119	113	107	105
57.5°	121	114	107	104
60°	116	112	107	103
62.5°	107	105	103	101
65°	101	101	100	98
67.5°	98	99	99	97
70°	*94*	*96*	*97*	*95*
72.5°	89	90	90	87
75°	83	82	81	79
77.5°	76	75	73	71
80°	67	66	65	62
82.5°	59	61	62	51
85°	41	37	33	27
87.5°	8	6	3	3
90°	0	0	0	0

Report Generated By 670245982

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(END OF REPORT)