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: P560027

Luminaire Tested: **SDL-PA1-20-740-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560027
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-SL3
Description:	Springdale (1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2731 lumens
Efficiency:	N/A
Efficacy:	130.7 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 1.08')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

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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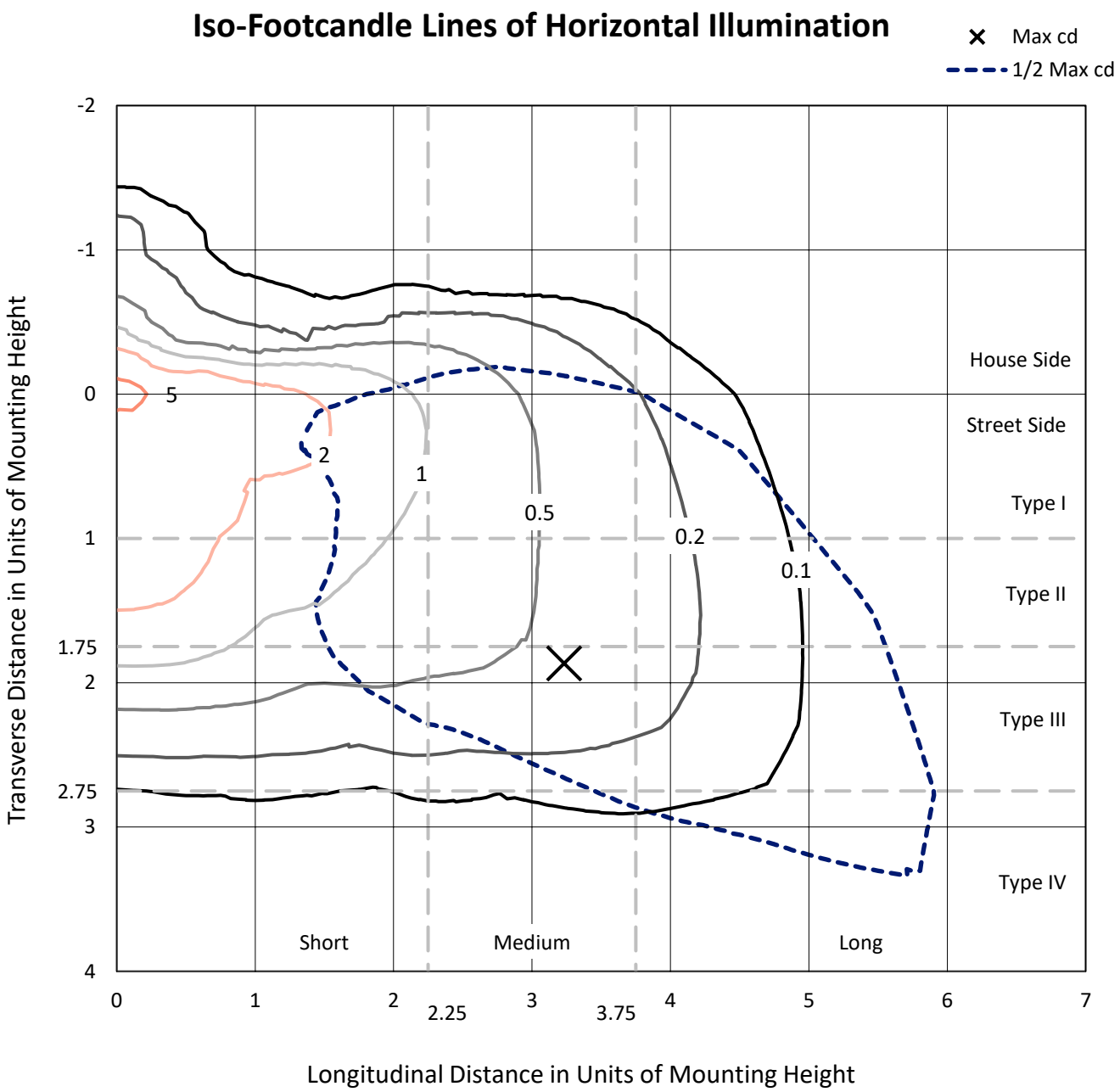
Scaled Data Report

REPORT NUMBER: P560027
CATALOG NUMBER: SDL-PA1-20-740-U-SL3



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
Type III - Medium - N/A

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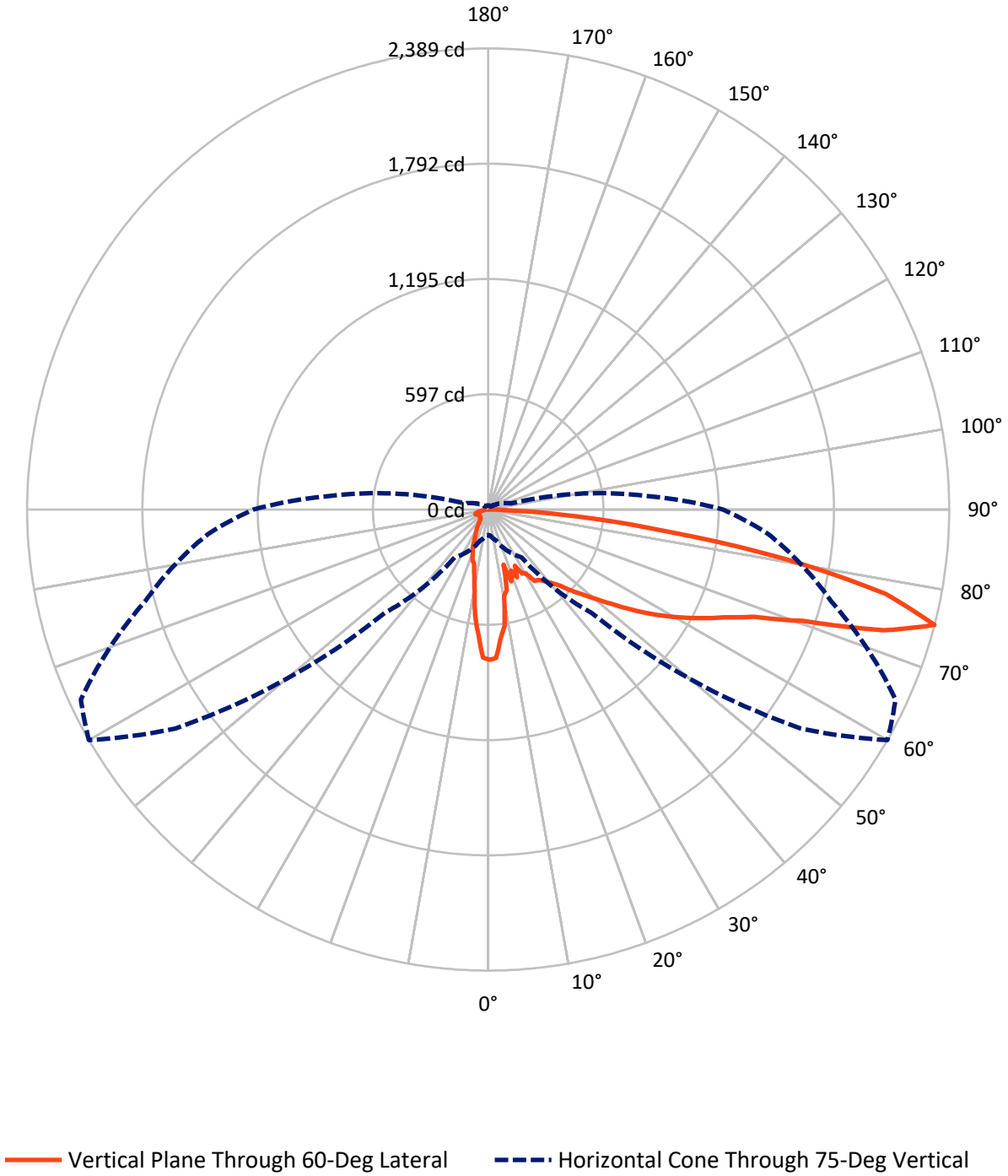
Luminous Intensity Polar Plot



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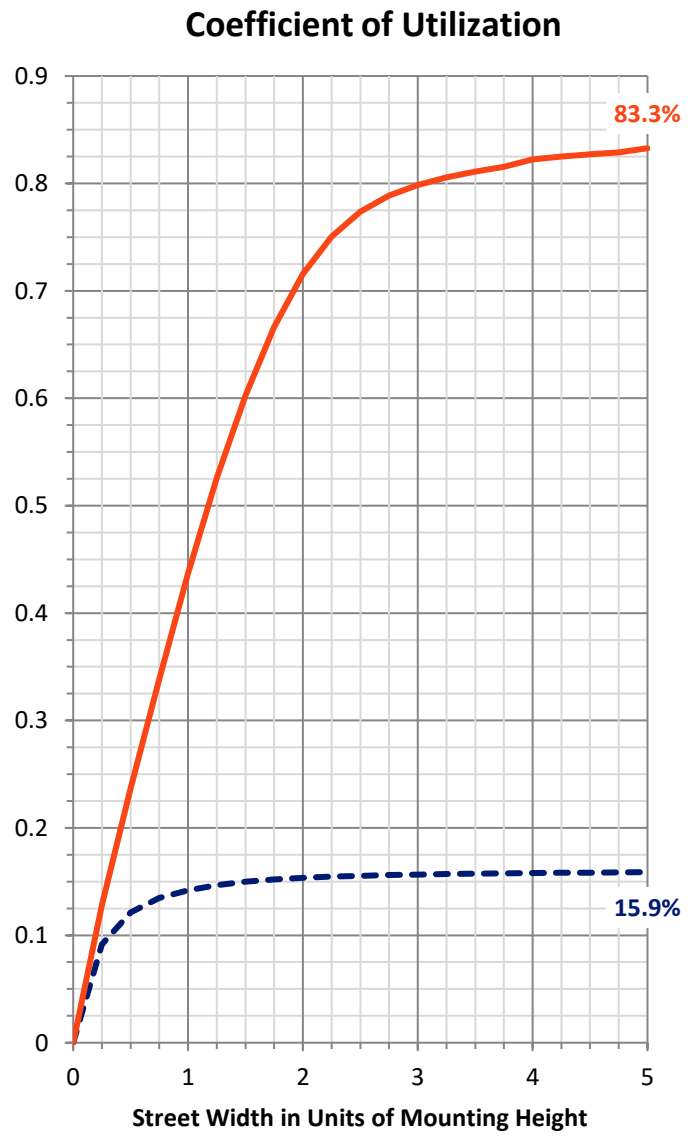
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	439.0	0.0	439.0
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	2292.1	0.0	2292.1
	% Fixture	83.9	0.0	83.9
Total	Lumens	2731.0	0.0	2731.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	2.1
10°-20°	102.5	3.8
20°-30°	134.3	4.9
30°-40°	221.6	8.1
40°-50°	346.1	12.7
50°-60°	526.9	19.3
60°-70°	652.9	23.9
70°-80°	576.8	21.1
80°-90°	113.1	4.1
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°	2731.0	100.0
0°-180°	2731.0	100.0



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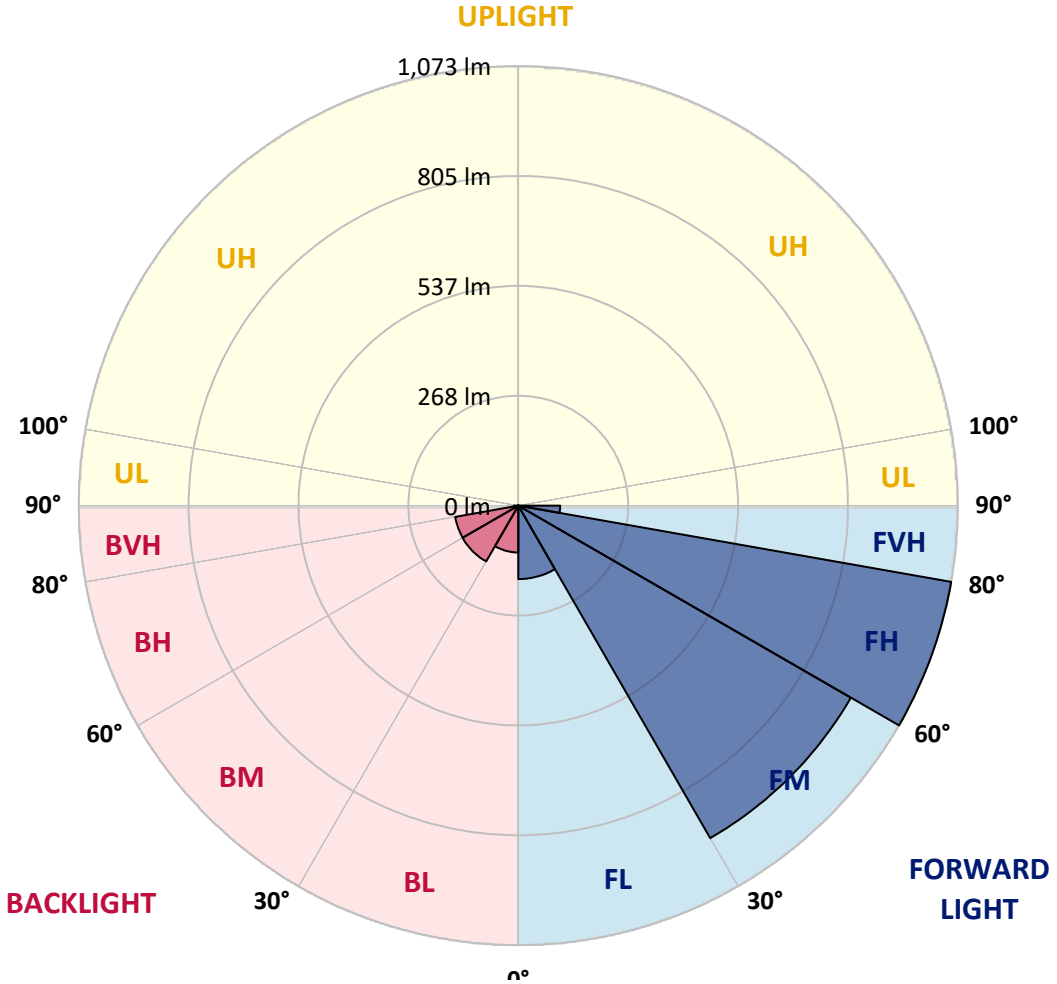
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	179.3	6.6			
FM	(30°-60°)	937.4	34.3			
FH	(60°-80°)	1073.1	39.3			G1/1800
FVH	(80°-90°)	102.3	3.7			G2/225
BL	(0°-30°)	114.4	4.2	B1/500		
BM	(30°-60°)	157.3	5.8	B0/220		
BH	(60°-80°)	156.5	5.7	B1/500		G1/500
BVH	(80°-90°)	10.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	779	779	779	779	779	779	779	779	779	779	779
2.5°	647	720	703	686	712	737	745	752	756	760	764
5°	601	602	603	604	607	609	613	617	621	624	628
7.5°	464	480	506	532	548	563	572	580	586	592	598
10°	516	519	520	520	525	530	492	453	472	491	470
12.5°	405	416	449	481	491	500	482	464	436	407	405
15°	465	468	469	469	438	407	386	364	381	397	360
17.5°	360	363	389	415	420	425	403	381	332	282	329
20°	428	430	430	430	378	326	330	333	349	365	352
22.5°	345	345	345	345	361	376	344	312	330	348	332
25°	434	437	430	422	374	326	341	356	329	302	326
27.5°	396	393	379	364	371	378	345	312	333	354	344
30°	526	517	502	487	430	373	364	355	337	318	339
32.5°	699	676	606	536	501	466	421	376	372	367	373
35°	745	730	701	671	611	550	493	435	416	396	400
37.5°	754	749	743	736	675	614	552	490	470	449	434
40°	761	765	776	786	725	663	607	550	529	507	481
42.5°	793	804	818	831	775	719	670	621	594	567	543
45°	867	873	888	902	849	795	739	682	659	636	612
47.5°	975	985	984	983	924	864	801	737	722	706	683
50°	1111	1104	1085	1066	1002	937	863	788	781	773	754
52.5°	1179	1174	1148	1121	1056	991	911	830	839	848	830
55°	1183	1180	1161	1142	1079	1016	945	874	896	918	911
57.5°	1154	1155	1149	1142	1086	1030	971	912	950	987	994
60°	1080	1095	1105	1115	1080	1045	994	943	1001	1059	1078
62.5°	943	956	992	1027	1034	1040	1006	971	1049	1126	1157
65°	731	749	803	857	913	969	977	985	1117	1249	1275
67.5°	456	466	523	579	692	804	868	932	1160	1387	1428
70°	241	256	284	311	408	505	635	765	1095	1425	1593
72.5°	183	189	204	219	253	287	369	451	857	1262	1649
75°	*132*	*137*	*153*	*168*	*202*	*235*	*269*	*302*	*529*	*756*	*1367*
77.5°	77	79	87	94	147	200	237	273	328	382	976
80°	53	54	57	60	83	106	177	248	273	297	647
82.5°	35	40	42	44	52	60	104	147	216	284	442
85°	18	20	24	27	31	34	47	59	179	298	318
87.5°	2	3	4	4	5	6	9	12	54	96	82
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°	779	*779*	779	779	779	779	779	779	779	779	779
2.5°	768	*770*	769	771	772	773	774	774	773	771	769
5°	632	*672*	740	747	754	756	758	759	757	754	751
7.5°	603	*609*	548	597	645	649	652	650	651	624	596
10°	449	*454*	456	471	485	518	551	546	542	494	445
12.5°	403	*429*	435	410	385	419	453	449	442	398	354
15°	323	*296*	354	408	461	493	524	515	507	451	394
17.5°	375	*391*	372	380	388	412	435	421	416	377	337
20°	339	*338*	325	372	419	466	512	498	474	398	321
22.5°	316	*381*	409	403	396	378	359	347	329	312	294
25°	349	*322*	344	416	487	500	513	483	444	367	290
27.5°	334	*376*	404	452	499	544	589	549	498	402	305
30°	360	*383*	461	551	641	657	672	617	549	452	355
32.5°	379	*440*	509	579	648	660	672	610	532	425	318
35°	403	*448*	511	593	675	678	680	608	520	399	277
37.5°	419	*470*	538	625	712	706	699	617	516	381	246
40°	455	*499*	572	661	750	740	730	636	517	363	208
42.5°	518	*535*	614	709	804	793	781	669	529	353	176
45°	587	*595*	663	771	879	865	851	720	551	348	145
47.5°	659	*657*	720	851	981	951	921	780	592	358	124
50°	734	*731*	792	933	1074	1042	1010	852	639	376	112
52.5°	811	*818*	863	1010	1156	1127	1097	930	685	396	107
55°	903	*925*	943	1090	1237	1208	1178	1010	749	427	105
57.5°	1000	*1029*	1037	1171	1305	1286	1266	1086	814	463	111
60°	1097	*1135*	1164	1272	1379	1357	1335	1163	875	503	131
62.5°	1187	*1240*	1287	1366	1444	1418	1392	1230	944	558	171
65°	1300	*1347*	1398	1450	1501	1476	1451	1314	1036	627	217
67.5°	1469	*1483*	1509	1541	1572	1557	1541	1417	1116	667	217
70°	1760	*1729*	1690	1689	1687	1663	1638	1475	1121	651	181
72.5°	2035	*2141*	2017	1927	1837	1731	1624	1397	990	567	144
75°	*1977*	*2389*	*2329*	*2085*	*1841*	*1649*	*1457*	*1217*	*815*	*469*	*123*
77.5°	1569	*2108*	2165	1941	1716	1456	1195	941	565	334	103
80°	996	*1576*	1586	1378	1169	890	611	410	272	177	82
82.5°	600	*933*	812	582	352	244	135	130	100	74	48
85°	338	*457*	328	215	102	73	43	46	44	36	27
87.5°	67	*79*	54	31	8	8	7	7	5	5	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°	779	779	779	779	779	779	779	779	779	779	779
2.5°	769	769	767	765	764	763	733	703	683	662	657
5°	714	677	649	621	615	609	608	607	604	600	599
7.5°	564	531	554	576	572	567	564	560	553	546	511
10°	434	423	423	422	414	406	424	442	462	482	480
12.5°	370	385	346	306	328	349	369	388	398	408	377
15°	349	303	290	277	287	297	268	238	261	284	289
17.5°	313	289	276	262	224	185	198	211	210	209	204
20°	292	262	239	215	197	179	160	140	131	121	145
22.5°	278	262	214	166	152	138	123	107	113	118	122
25°	243	195	168	141	119	96	97	98	93	88	111
27.5°	246	186	144	102	94	85	80	74	82	89	91
30°	258	161	122	83	74	65	68	70	70	70	80
32.5°	229	140	104	67	62	56	57	57	62	67	72
35°	194	110	85	59	54	49	51	53	58	63	70
37.5°	167	87	70	53	50	47	48	49	54	58	64
40°	141	73	62	51	48	45	46	46	50	54	58
42.5°	122	67	59	50	47	43	44	44	47	50	53
45°	105	64	57	49	46	42	42	41	44	46	48
47.5°	94	63	56	49	45	40	39	38	41	43	46
50°	88	63	56	48	43	38	37	36	40	43	48
52.5°	86	64	56	48	42	36	36	36	43	50	52
55°	86	66	57	47	41	35	37	39	41	43	43
57.5°	88	65	55	45	41	36	35	34	35	36	36
60°	97	63	53	43	38	33	32	31	33	34	34
62.5°	117	62	53	43	37	31	31	30	31	32	33
65°	143	69	56	43	37	31	29	27	29	30	30
67.5°	149	81	65	48	39	30	28	26	28	29	29
70°	135	89	70	51	41	30	28	25	26	27	26
72.5°	116	87	69	50	40	29	27	24	25	25	24
75°	*99*	*75*	*59*	*42*	*34*	*25*	*23*	*21*	*22*	*22*	*22*
77.5°	83	62	48	33	27	20	19	18	19	20	19
80°	65	47	36	24	20	15	16	16	17	17	17
82.5°	38	28	23	17	14	11	12	13	14	14	14
85°	23	18	15	12	10	7	9	10	10	10	9
87.5°	4	4	4	4	3	2	4	5	5	5	4
90°	0	0	0	0	0	0	0	0	0	0	0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	779	779	779	779
2.5°	651	651	650	650
5°	598	596	594	596
7.5°	476	462	448	452
10°	477	476	475	474
12.5°	345	334	323	316
15°	293	290	286	286
17.5°	198	189	180	174
20°	169	174	178	180
22.5°	126	130	134	136
25°	133	143	152	153
27.5°	92	97	101	99
30°	90	93	96	96
32.5°	77	85	93	94
35°	77	81	85	86
37.5°	69	72	74	75
40°	62	64	65	65
42.5°	55	60	64	64
45°	49	62	75	79
47.5°	48	67	86	90
50°	52	70	87	89
52.5°	53	63	72	72
55°	42	47	51	50
57.5°	36	40	43	43
60°	34	39	43	44
62.5°	33	35	37	39
65°	30	30	30	30
67.5°	28	28	27	27
70°	25	25	25	25
72.5°	23	23	23	22
75°	*21*	*21*	*20*	*20*
77.5°	18	18	18	18
80°	16	16	15	15
82.5°	13	13	12	11
85°	8	8	7	6
87.5°	3	3	2	1
90°	0	0	0	0

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(END OF REPORT)