

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: P24452

Luminaire Tested: **CRTK-X-A12-X-120-2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P24452
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-X-A12-X-120-2
Description: STREETWORKS CARETAKER 12 CHIP TYPE 2
STANDARD IN THE GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6302.2 lumens
Efficiency: N/A
Efficacy: 88.3 lumens/watt
Luminous Opening: Circular (Dia: 0.66' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

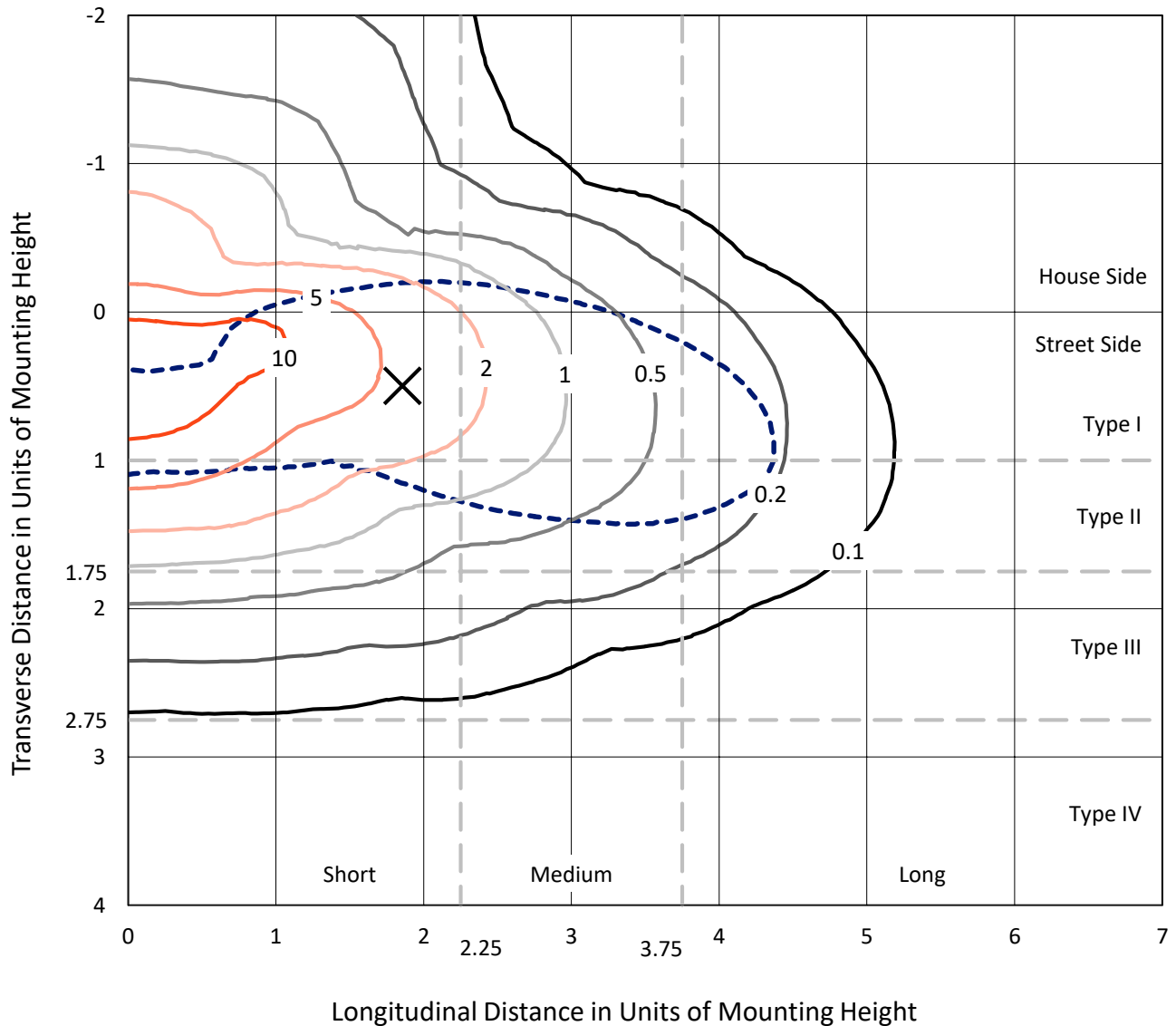
Input Watts (W): 71.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

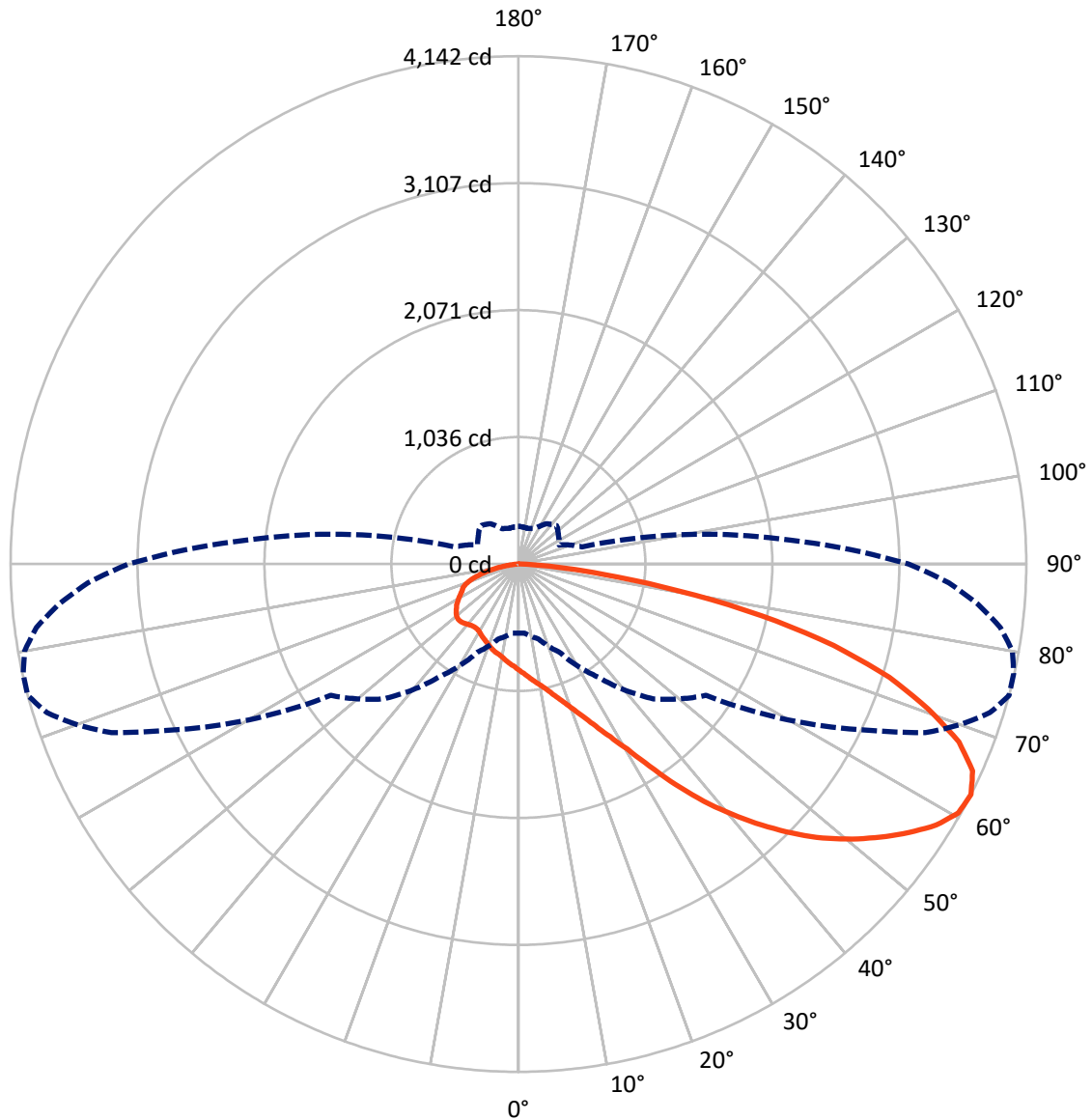
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.8 fc
 Type II - Short - Non-Cutoff

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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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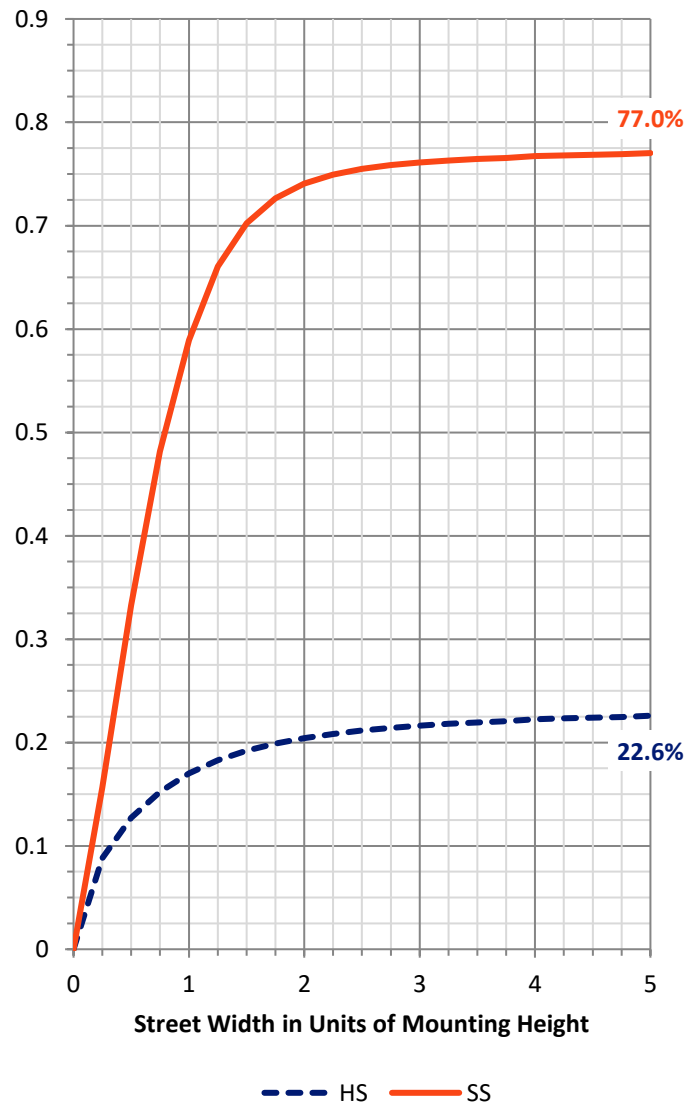
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1442.2	0.0	1442.2
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	4860.1	0.0	4860.1
	% Fixture	77.1	0.0	77.1
Total	Lumens	6302.2	0.0	6302.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	1.3
10°-20°	285.7	4.5
20°-30°	551.4	8.7
30°-40°	869.4	13.8
40°-50°	1186.0	18.8
50°-60°	1330.7	21.1
60°-70°	1174.7	18.6
70°-80°	696.4	11.0
80°-90°	122.8	1.9
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°	6302.2	100.0
0°-180°	6302.2	100.0

Coefficient of Utilization



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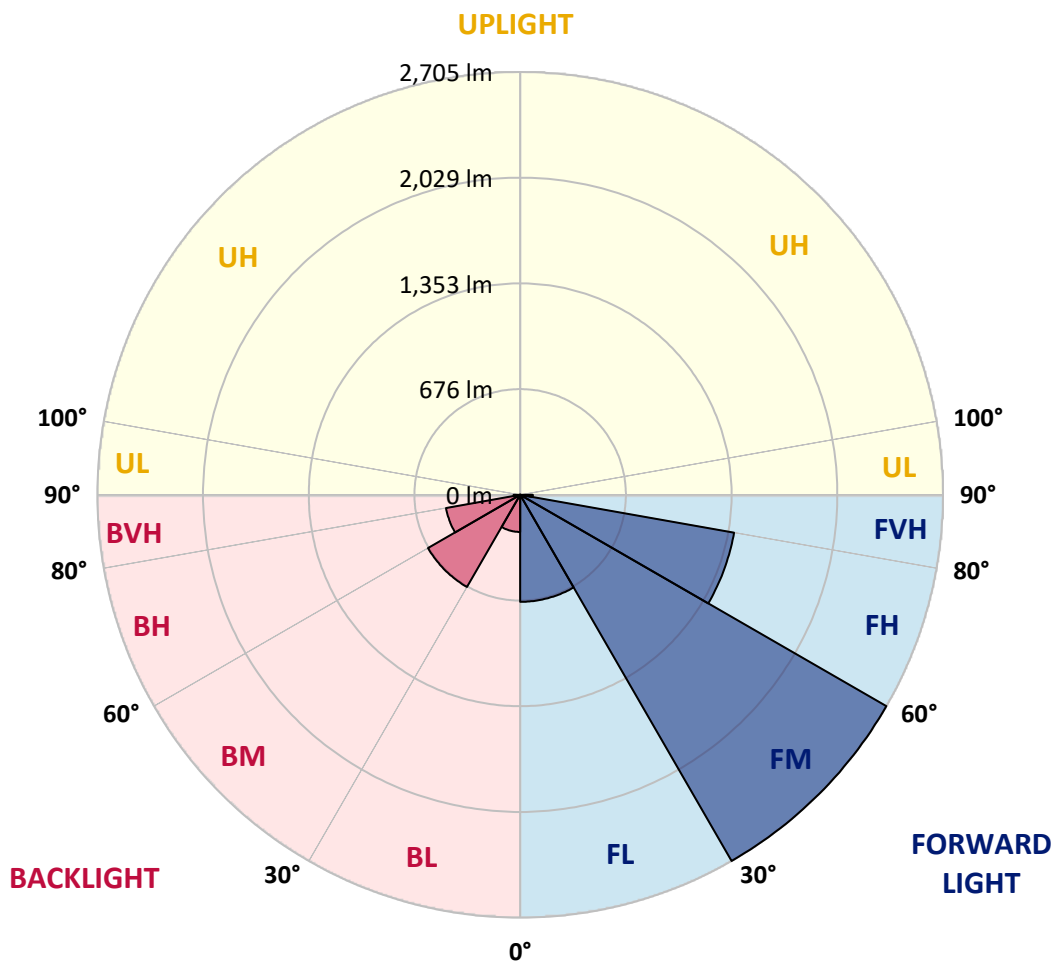
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	684.6	10.9			
FM (30°-60°)	2705.3	42.9			
FH (60°-80°)	1389.5	22.0			G1/1800
FVH (80°-90°)	80.7	1.3			G1/100
BL (0°-30°)	237.6	3.8	B1/500		
BM (30°-60°)	680.8	10.8	B1/1000		
BH (60°-80°)	481.6	7.6	B1/500		G1/500
BVH (80°-90°)	42.2	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	70°	72.5°
0°	867	867	867	867	867	867	867	867	867	867	867
2.5°	988	968	965	973	965	955	936	906	911	898	904
5°	1103	1086	1080	1082	1064	1042	1008	961	962	942	944
7.5°	1245	1223	1210	1206	1173	1133	1080	1016	1012	987	984
10°	1399	1372	1354	1341	1290	1233	1160	1072	1064	1034	1026
12.5°	1556	1528	1506	1480	1426	1343	1253	1142	1130	1092	1079
15°	1717	1695	1668	1637	1569	1478	1364	1226	1211	1166	1148
17.5°	1878	1855	1823	1789	1710	1602	1476	1321	1297	1246	1222
20°	2020	1991	1956	1922	1840	1724	1587	1417	1394	1336	1305
22.5°	2132	2104	2070	2041	1958	1842	1699	1527	1495	1439	1405
25°	2232	2199	2170	2148	2068	1956	1816	1640	1614	1555	1517
27.5°	2307	2276	2253	2237	2164	2061	1922	1764	1742	1683	1650
30°	2353	2323	2306	2297	2233	2147	2028	1891	1879	1826	1799
32.5°	2365	2340	2330	2328	2273	2212	2123	2026	2028	1993	1987
35°	2356	2334	2330	2343	2303	2257	2202	2173	2198	2193	2217
37.5°	2334	2313	2319	2344	2321	2296	2276	2317	2376	2396	2441
40°	2298	2279	2289	2331	2323	2323	2338	2462	2552	2593	2661
42.5°	2250	2230	2243	2298	2308	2333	2387	2605	2720	2777	2875
45°	2198	2179	2189	2252	2283	2330	2422	2740	2884	2978	3082
47.5°	2101	2086	2112	2194	2261	2330	2446	2862	3042	3146	3274
50°	1889	1888	1968	2083	2195	2328	2465	2988	3192	3308	3449
52.5°	1554	1566	1719	1909	2065	2265	2452	3118	3344	3468	3620
55°	1208	1210	1368	1661	1866	2145	2382	3223	3480	3628	3787
57.5°	958	957	1041	1372	1632	1969	2252	3275	3575	3754	3929
60°	748	747	811	1062	1371	1771	2074	3274	3620	3840	4026
62.5°	563	565	632	794	1121	1555	1868	3216	3593	3833	4032
65°	417	422	489	605	884	1324	1647	3089	3481	3740	3950
67.5°	308	311	372	470	669	1090	1420	2885	3278	3541	3759
70°	226	225	269	347	488	866	1200	2580	2963	3237	3452
72.5°	167	171	201	259	365	664	983	2193	2548	2840	3042
75°	143	142	171	203	261	479	763	1754	2085	2357	2555
77.5°	117	117	162	173	188	311	500	1188	1472	1721	1886
80°	84	88	135	141	146	188	255	617	860	1046	1191
82.5°	75	65	113	106	96	119	128	248	372	498	604
85°	37	40	93	76	48	64	81	105	146	194	258
87.5°	14	13	22	27	15	19	21	11	10	9	8
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°	95°	105°	115°	125°
0°	867	867	867	867	867	867	867	867	867	867	867
2.5°	895	886	886	876	871	869	865	855	839	821	796
5°	931	918	913	898	887	881	873	852	818	780	743
7.5°	968	951	941	919	904	892	880	847	797	741	693
10°	1007	985	969	942	920	904	885	844	773	705	645
12.5°	1054	1024	1002	972	943	921	897	844	755	675	603
15°	1114	1075	1047	1010	976	948	917	852	743	645	566
17.5°	1181	1135	1099	1055	1013	977	938	861	728	612	528
20°	1258	1203	1160	1107	1055	1011	965	871	708	577	490
22.5°	1352	1287	1236	1174	1110	1056	999	886	689	540	459
25°	1463	1392	1330	1258	1182	1115	1045	908	673	507	434
27.5°	1596	1522	1456	1365	1282	1200	1113	940	657	476	412
30°	1752	1682	1617	1521	1427	1325	1217	991	640	446	399
32.5°	1963	1908	1846	1748	1646	1524	1390	1094	628	420	392
35°	2210	2162	2101	1999	1889	1754	1591	1229	626	399	391
37.5°	2454	2417	2364	2262	2143	1996	1818	1381	630	379	390
40°	2685	2660	2610	2505	2374	2206	2011	1542	639	367	385
42.5°	2911	2891	2845	2739	2596	2414	2201	1677	652	362	381
45°	3132	3120	3073	2964	2812	2623	2393	1806	663	366	388
47.5°	3340	3331	3286	3170	3011	2813	2568	1925	667	375	404
50°	3527	3520	3474	3356	3190	2988	2726	2029	661	384	420
52.5°	3700	3691	3646	3522	3347	3140	2865	2109	644	393	430
55°	3867	3854	3801	3667	3481	3269	2983	2172	621	397	430
57.5°	4018	4001	3947	3807	3606	3384	3078	2214	599	394	423
60°	4122	4110	4060	3925	3719	3477	3151	2237	568	384	414
62.5°	4142	4137	4090	3965	3762	3514	3179	2228	537	367	399
65°	4071	4067	4022	3905	3703	3453	3099	2131	509	345	373
67.5°	3874	3866	3816	3700	3491	3236	2890	1934	491	320	341
70°	3550	3527	3461	3348	3133	2877	2558	1642	456	293	313
72.5°	3163	3132	3040	2924	2731	2455	2152	1311	397	263	283
75°	2658	2638	2583	2474	2287	2023	1744	996	328	219	248
77.5°	2030	2053	2012	1926	1767	1526	1291	691	257	168	202
80°	1321	1371	1343	1270	1141	939	772	386	178	114	140
82.5°	700	729	696	643	550	425	346	172	95	68	81
85°	309	300	315	284	244	176	136	68	47	36	45
87.5°	9	9	9	10	9	8	8	9	7	7	9
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	135°	145°	155°	165°	175°	180°
0°	867	867	867	867	867	867
2.5°	789	778	763	761	757	748
5°	723	703	682	675	668	661
7.5°	663	635	609	598	590	584
10°	607	574	549	537	528	523
12.5°	560	527	502	491	482	478
15°	522	490	470	462	456	453
17.5°	486	462	449	444	440	437
20°	458	444	436	435	432	431
22.5°	437	433	432	435	434	433
25°	423	428	434	439	438	437
27.5°	416	428	435	441	440	439
30°	413	426	433	439	439	438
32.5°	414	424	430	434	430	431
35°	413	421	427	431	436	438
37.5°	410	417	415	426	440	443
40°	410	414	404	408	419	421
42.5°	419	409	391	383	386	386
45°	431	400	379	364	361	359
47.5°	440	399	374	350	343	344
50°	438	404	373	338	330	334
52.5°	435	407	366	331	324	330
55°	438	406	360	326	323	327
57.5°	442	405	347	320	319	322
60°	447	405	332	311	311	315
62.5°	441	401	317	300	304	309
65°	427	401	302	287	297	299
67.5°	410	400	288	271	286	280
70°	397	402	274	252	270	261
72.5°	378	401	264	235	243	238
75°	346	387	249	212	200	196
77.5°	305	351	221	178	156	153
80°	224	268	181	143	120	119
82.5°	127	181	138	111	91	87
85°	72	107	82	77	69	67
87.5°	10	14	23	31	30	30
90°	0	0	0	0	0	0

(END OF REPORT)