

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: P14242

Luminaire Tested: **CRTK-X-A08-E-120-2-5000**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P14242
Test Lab: INNOVATION CENTER-P1
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-X-A08-E-120-2-5000
Description: STREETWORKS CARETAKER, TYPE 2, 8 LED
Light Source: [8]5000K LEDS
Ballast/Driver: [1]ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4718 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.1')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

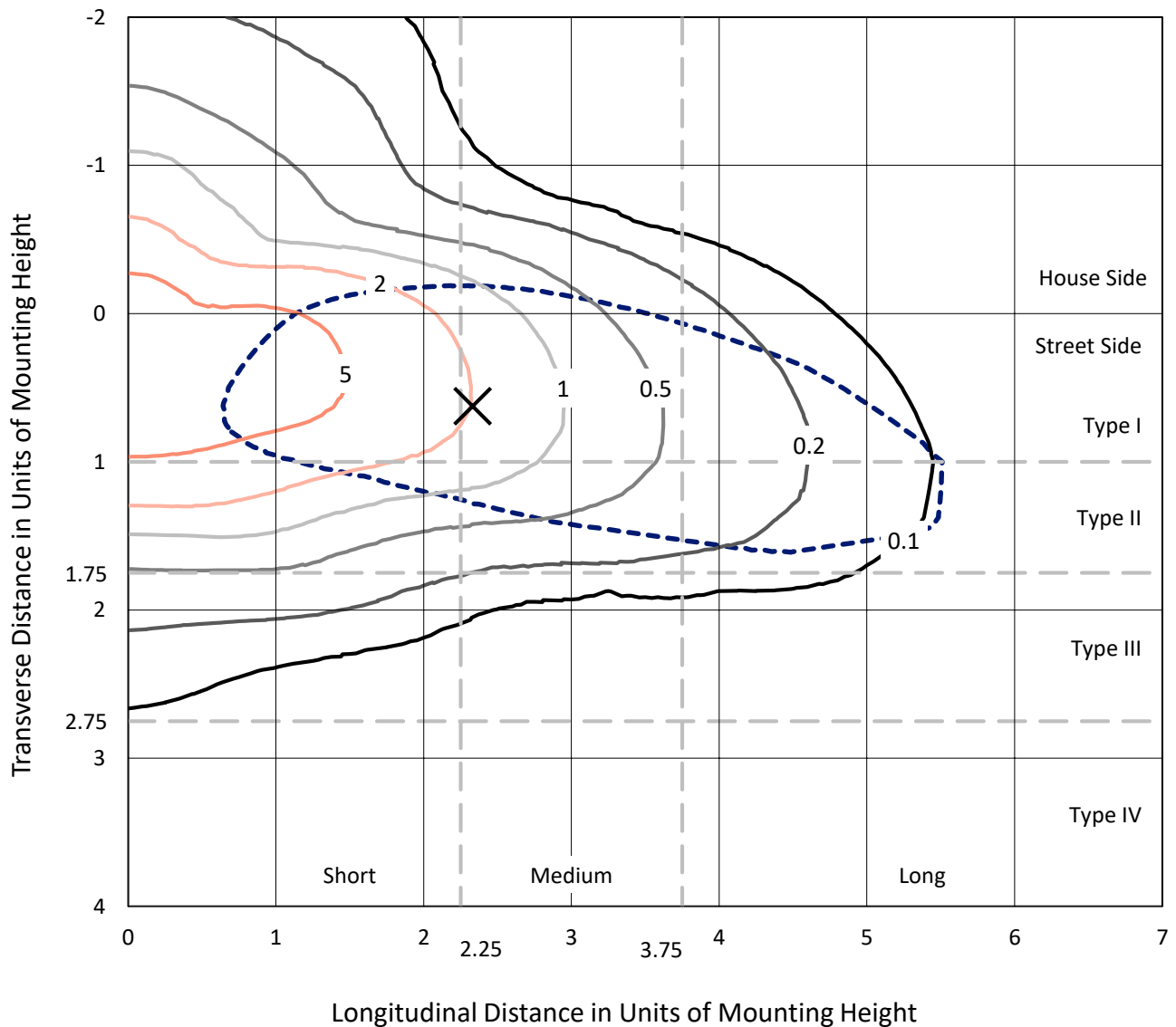
Input Watts (W): 49
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

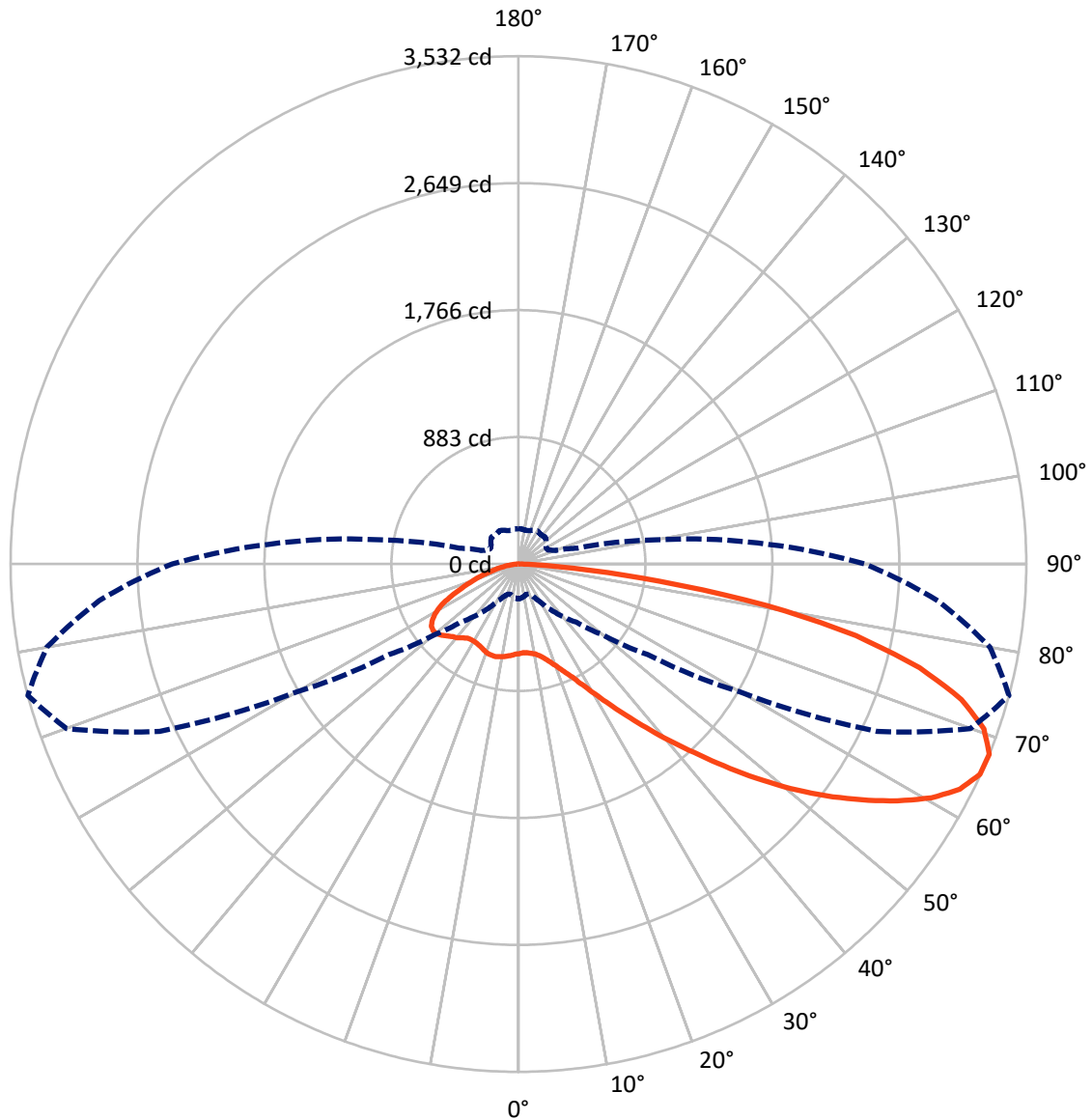
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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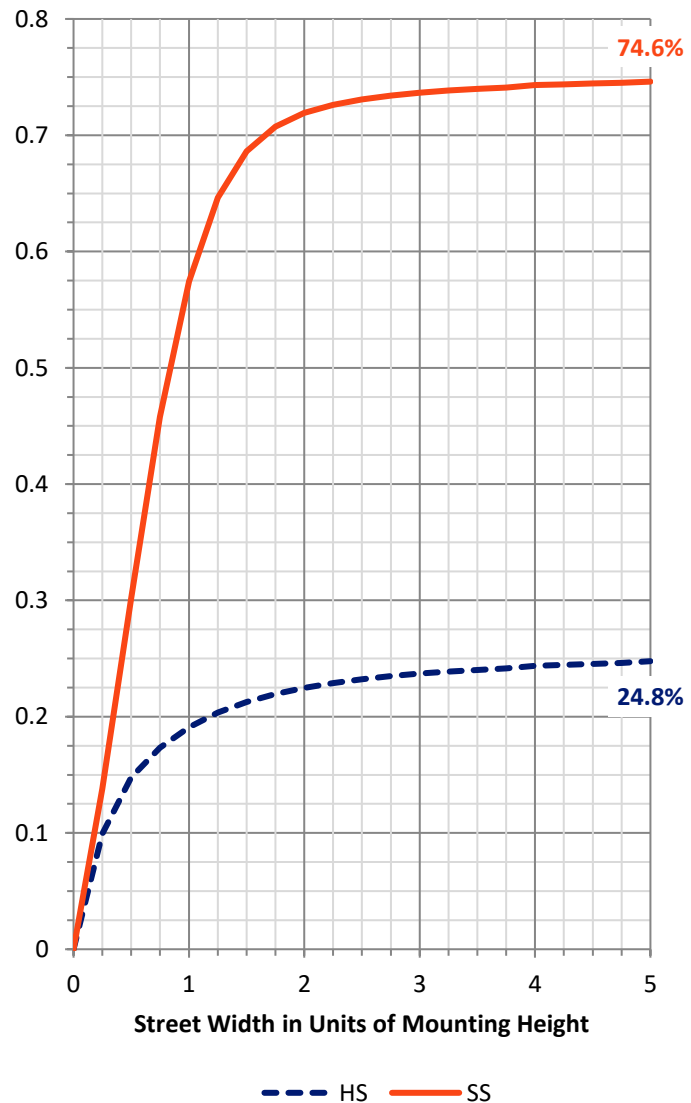
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1191.9	0.0	1191.9
	% Fixture	25.3	0.0	25.3
Street Side	Lumens	3526.1	0.0	3526.1
	% Fixture	74.7	0.0	74.7
Total	Lumens	4718.0	0.0	4718.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	1.3
10°-20°	197.7	4.2
20°-30°	360.0	7.6
30°-40°	582.2	12.3
40°-50°	844.8	17.9
50°-60°	1012.7	21.5
60°-70°	935.0	19.8
70°-80°	596.6	12.6
80°-90°	127.8	2.7
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°	4718.0	100.0
0°-180°	4718.0	100.0



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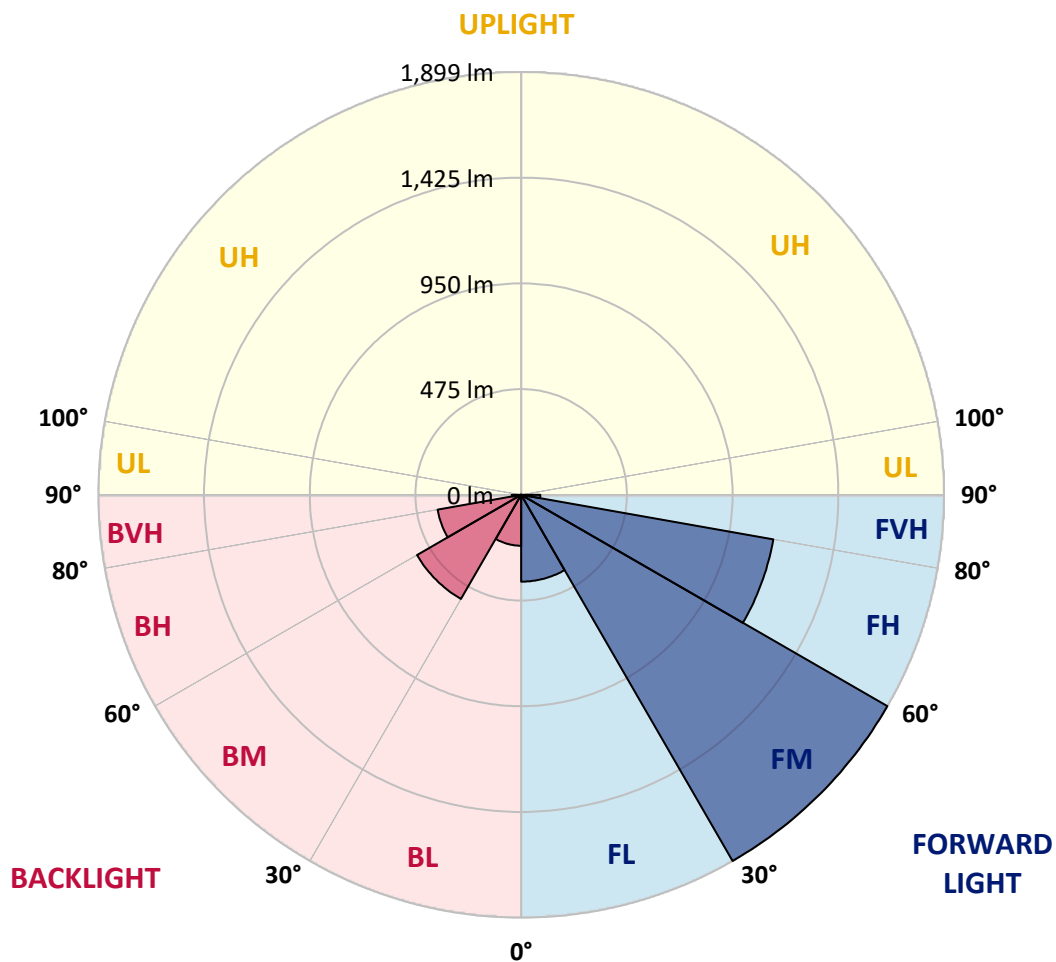
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	390.2	8.3			
FM (30°-60°)	1899.5	40.3			
FH (60°-80°)	1150.3	24.4			G1/1800
FVH (80°-90°)	86.1	1.8			G1/100
BL (0°-30°)	228.8	4.8	B1/500		
BM (30°-60°)	540.2	11.5	B1/1000		
BH (60°-80°)	381.2	8.1	B1/500		G1/500
BVH (80°-90°)	41.7	0.9			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	624	624	624	624	624	624	624	624	624	624	624
2.5°	612	613	614	614	615	615	616	616	617	616	616
5°	613	615	615	615	615	615	615	616	616	616	615
7.5°	649	652	653	649	647	645	643	639	637	633	629
10°	702	704	701	699	696	691	689	682	676	669	660
12.5°	769	769	768	765	758	755	748	738	730	716	705
15°	851	848	849	845	837	830	819	809	794	778	761
17.5°	939	941	940	934	927	918	903	888	870	851	827
20°	1031	1034	1032	1025	1017	1007	996	976	957	932	907
22.5°	1119	1123	1120	1113	1103	1095	1088	1068	1049	1023	993
25°	1206	1207	1206	1200	1188	1182	1167	1155	1138	1114	1086
27.5°	1295	1297	1297	1291	1280	1270	1257	1244	1230	1210	1186
30°	1372	1374	1373	1371	1360	1352	1341	1330	1316	1307	1287
32.5°	1434	1433	1432	1432	1430	1425	1418	1411	1403	1395	1386
35°	1483	1485	1489	1488	1485	1487	1492	1493	1492	1492	1498
37.5°	1479	1482	1494	1510	1524	1537	1552	1569	1580	1594	1607
40°	1449	1454	1466	1486	1515	1548	1584	1620	1654	1686	1722
42.5°	1393	1398	1415	1444	1487	1530	1582	1644	1701	1765	1834
45°	1308	1317	1340	1380	1432	1493	1561	1643	1728	1824	1934
47.5°	1198	1208	1239	1283	1351	1426	1509	1609	1722	1853	2009
50°	1054	1067	1109	1165	1237	1324	1423	1540	1675	1843	2041
52.5°	852	869	926	1008	1092	1190	1299	1422	1578	1774	2014
55°	635	652	706	803	917	1029	1143	1275	1436	1651	1923
57.5°	492	502	540	599	708	845	967	1099	1251	1463	1756
60°	385	397	422	465	532	648	786	910	1047	1244	1527
62.5°	304	313	325	357	407	482	604	728	843	1010	1279
65°	260	258	256	266	299	355	436	548	648	781	1015
67.5°	243	237	227	218	224	252	305	385	472	574	767
70°	226	220	208	197	190	195	215	258	323	398	528
72.5°	190	189	182	171	165	166	180	202	239	277	339
75°	146	145	143	144	143	145	153	170	193	219	238
77.5°	109	109	109	112	120	127	133	146	159	183	184
80°	78	78	81	85	91	98	106	111	121	145	147
82.5°	45	47	50	53	53	60	66	73	80	90	100
85°	21	21	27	28	27	31	36	37	39	42	51
87.5°	11	9	7	8	10	11	12	10	8	9	14
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°	624	624	624	624	624	624	624	624	624	624	624
2.5°	617	617	617	618	618	620	620	621	623	624	627
5°	615	617	617	619	620	623	624	625	628	630	638
7.5°	628	626	625	625	627	628	629	632	636	639	645
10°	653	646	642	639	636	637	636	639	643	648	654
12.5°	693	680	668	660	654	650	649	649	652	655	658
15°	744	728	712	694	681	672	666	663	663	662	664
17.5°	807	785	761	737	716	700	684	679	673	666	661
20°	878	850	821	790	759	732	709	694	682	668	656
22.5°	963	927	892	849	812	770	738	714	694	671	645
25°	1051	1013	969	922	871	819	775	738	706	669	632
27.5°	1156	1117	1071	1015	952	886	827	778	729	680	624
30°	1261	1228	1181	1121	1047	974	900	833	769	699	620
32.5°	1370	1341	1299	1239	1162	1078	993	903	816	724	620
35°	1488	1466	1425	1365	1292	1207	1105	996	885	760	625
37.5°	1615	1603	1571	1512	1442	1355	1240	1111	973	811	643
40°	1750	1759	1736	1685	1613	1514	1395	1259	1091	881	666
42.5°	1897	1924	1922	1867	1792	1674	1530	1369	1183	944	680
45°	2042	2110	2126	2083	2002	1878	1721	1522	1281	1007	701
47.5°	2181	2304	2342	2314	2224	2094	1917	1687	1395	1063	727
50°	2290	2488	2575	2547	2454	2310	2114	1845	1508	1117	747
52.5°	2337	2625	2785	2785	2678	2516	2305	2003	1610	1154	753
55°	2313	2710	2945	3012	2894	2713	2487	2149	1698	1178	744
57.5°	2194	2718	3059	3193	3108	2896	2643	2266	1759	1176	713
60°	1978	2616	3112	3324	3301	3056	2778	2361	1787	1158	667
62.5°	1705	2413	3079	3402	3447	3192	2880	2428	1790	1119	603
65°	1408	2131	2955	3415	3527	3289	2935	2457	1756	1060	517
67.5°	1097	1779	2753	3344	3532	3329	2927	2408	1672	966	425
70°	791	1381	2436	3157	3434	3256	2817	2245	1508	811	347
72.5°	490	976	1997	2849	3222	3068	2580	1970	1262	609	276
75°	304	583	1443	2429	2882	2755	2262	1639	986	406	212
77.5°	215	345	878	1907	2400	2309	1859	1275	738	266	160
80°	148	219	543	1228	1754	1726	1341	874	476	160	111
82.5°	96	123	313	660	988	1020	709	468	225	90	67
85°	54	62	133	243	385	388	246	161	67	38	34
87.5°	16	16	26	31	66	63	44	31	12	9	12
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°	624	624	624	624	624	624	624	624	624	624	624
2.5°	628	628	630	632	632	632	633	633	634	634	634
5°	637	640	641	645	649	648	649	650	653	652	652
7.5°	649	653	656	659	661	661	664	663	663	665	664
10°	656	661	662	664	663	663	662	661	660	657	656
12.5°	661	661	660	659	655	650	646	641	638	631	624
15°	660	657	650	642	636	628	617	607	597	588	581
17.5°	653	645	632	618	606	590	575	559	543	531	519
20°	638	621	603	583	565	543	520	500	480	464	452
22.5°	619	592	565	539	514	487	459	437	418	411	401
25°	593	557	523	490	458	427	400	382	375	371	370
27.5°	571	526	482	444	409	380	362	355	354	350	352
30°	551	490	441	396	366	347	337	333	331	333	337
32.5°	526	453	397	355	326	315	312	312	318	323	329
35°	508	420	360	319	299	294	298	304	309	317	324
37.5°	498	396	335	296	286	289	295	300	304	310	319
40°	491	374	313	285	284	288	288	291	296	304	316
42.5°	477	356	296	285	285	283	282	285	289	301	311
45°	469	343	296	289	284	281	279	280	283	293	309
47.5°	465	336	302	294	289	283	278	273	279	293	308
50°	459	334	310	299	293	286	279	274	282	291	302
52.5°	445	336	308	299	295	285	276	275	279	285	290
55°	435	337	307	302	297	286	279	277	277	278	283
57.5°	416	324	300	299	294	288	279	273	269	267	270
60°	389	304	287	291	287	290	279	268	261	260	264
62.5°	348	281	270	278	280	284	275	262	257	254	261
65°	306	251	247	255	269	273	265	257	256	256	253
67.5°	274	228	223	232	251	264	258	259	266	260	248
70°	241	206	198	205	232	248	251	265	271	261	241
72.5°	205	176	163	173	196	224	242	262	268	257	232
75°	167	143	132	143	163	198	230	254	262	250	224
77.5°	126	114	108	117	131	166	211	238	247	238	211
80°	91	85	83	84	94	128	175	206	216	213	190
82.5°	61	56	55	54	65	89	131	165	179	182	162
85°	34	31	28	31	37	53	81	102	112	114	103
87.5°	12	11	10	11	14	24	33	33	46	53	43
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	624	624	624	624
2.5°	634	633	634	635
5°	652	652	654	654
7.5°	664	668	666	665
10°	654	653	653	652
12.5°	622	618	618	615
15°	575	569	566	564
17.5°	509	501	498	495
20°	441	437	435	435
22.5°	400	401	399	400
25°	369	368	368	368
27.5°	349	350	351	351
30°	341	345	348	349
32.5°	334	341	341	341
35°	330	337	337	337
37.5°	328	333	335	334
40°	325	330	331	331
42.5°	325	335	336	335
45°	325	336	338	339
47.5°	321	325	326	326
50°	306	310	313	314
52.5°	294	300	306	308
55°	288	299	306	310
57.5°	282	296	305	308
60°	275	286	292	295
62.5°	267	272	278	288
65°	252	257	262	264
67.5°	241	240	245	245
70°	226	223	224	221
72.5°	212	201	200	202
75°	199	184	177	173
77.5°	185	163	152	149
80°	165	141	125	122
82.5°	142	125	111	109
85°	89	79	68	63
87.5°	30	28	26	26
90°	0	0	0	0

(END OF REPORT)