

Scaled data based on original data using
LM-46-04 Photometric Testing of Indoor Luminaires Using High Intensity Discharge
or Incandescent Filament Lamps (Reaffirmed 2012)

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: 767570_150MP

Luminaire Tested: **ANE15PXX33**

Issue Date: 3/3/2020

Test Information

Test Method: LM-46-04
Report Number: 767570_150MP
Test Lab:
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ANE15PXX33
Description: 175W MH TYPE III POST TOP ACORN
Light Source: 150 WATT PULSE-START CLEAR ED-28 VBD BURN
Ballast/Driver: -

Summary

Lumens per Lamp: 14000 (1 lamp)
Luminaire Lumens: 11589.2 lumens
Efficiency: 82.8%
Efficacy: 62.6 lumens/watt
Luminous Opening: Point Source (0' x 0' x 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B3 - U5 - G5

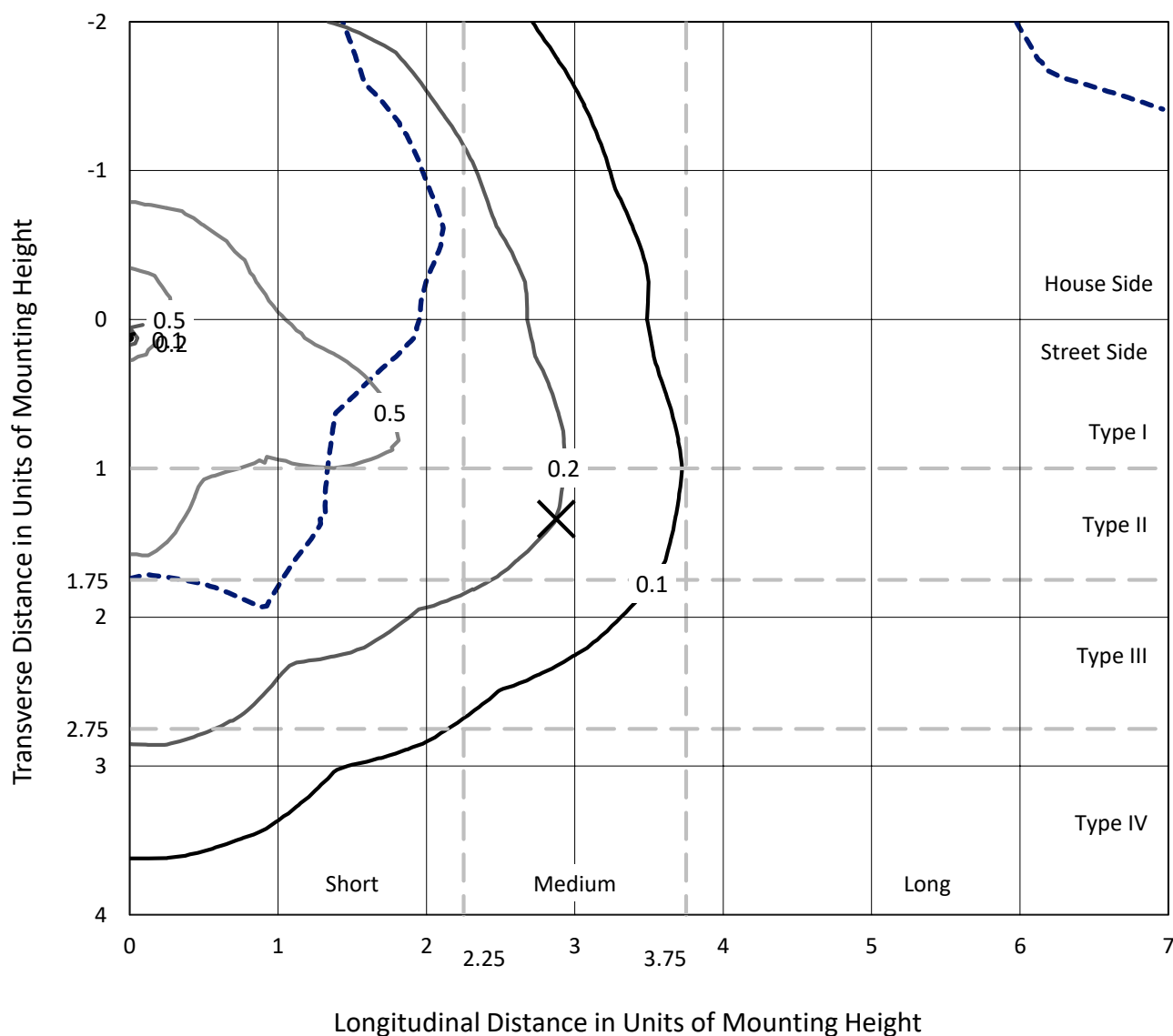
Input Watts (W): 185
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

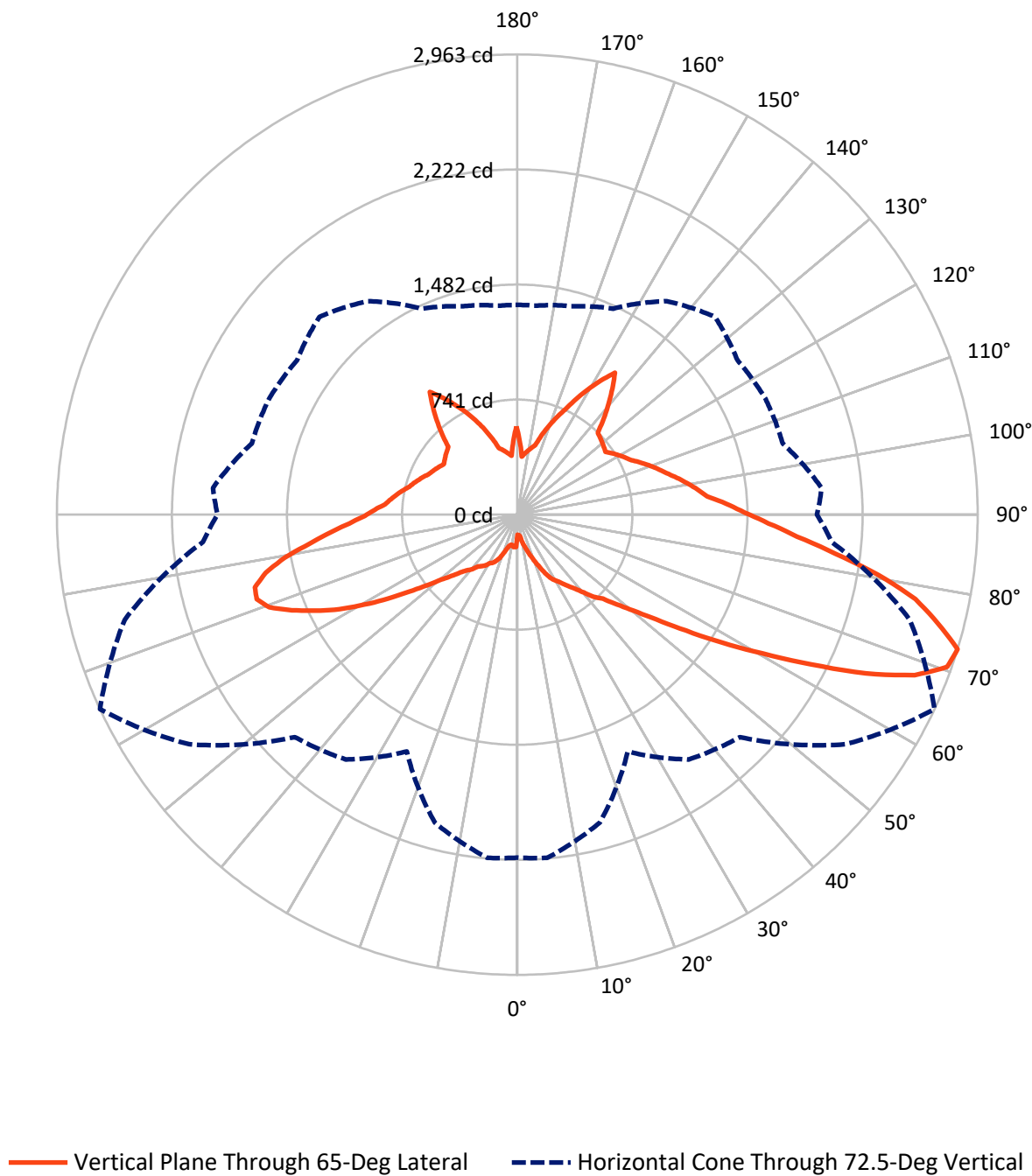
× Max cd
 --- 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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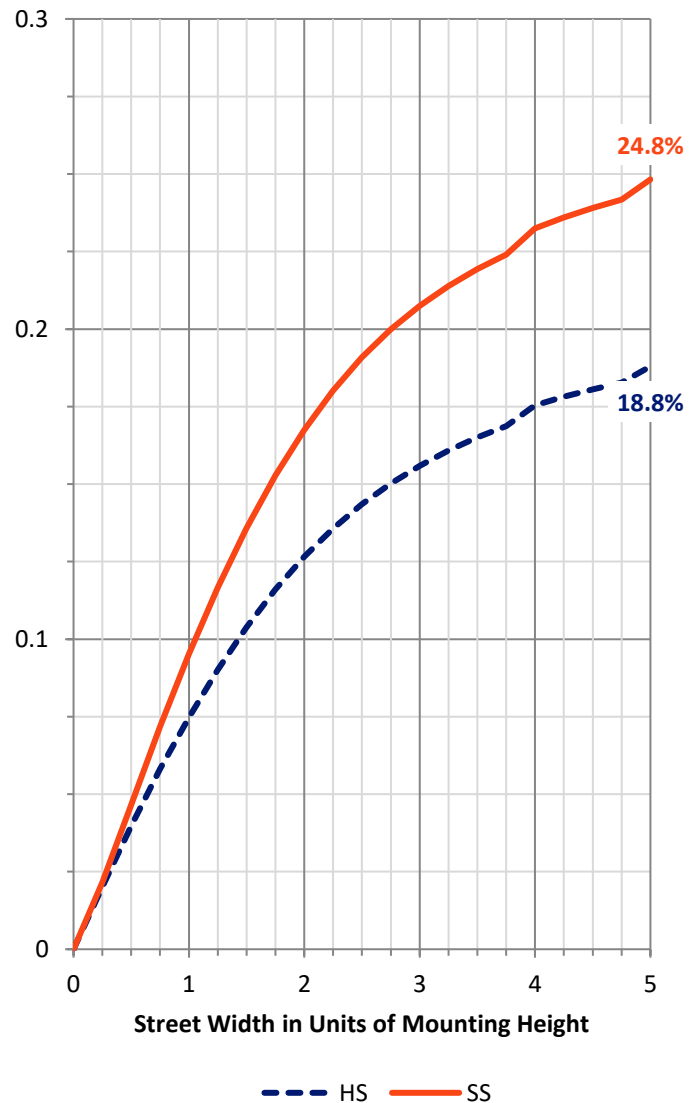
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2962.1	2203.3	5165.4
	% Lamp	21.2	15.7	36.9
Street Side	Lumens	3906.1	2517.7	6423.8
	% Lamp	27.9	18.0	45.9
Total	Lumens	6868.2	4720.9	11589.2
	% Lamp	49.1	33.7	82.8

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture	% Lamp
0°-10°	13.9	0.1	0.1
10°-20°	65.1	0.6	0.5
20°-30°	170.5	1.5	1.2
30°-40°	295.4	2.5	2.1
40°-50°	471.2	4.1	3.4
50°-60°	863.6	7.5	6.2
60°-70°	1586.2	13.7	11.3
70°-80°	1954.0	16.9	14.0
80°-90°	1448.3	12.5	10.3
90°-100°	1032.1	8.9	7.4
100°-110°	826.3	7.1	5.9
110°-120°	660.9	5.7	4.7
120°-130°	549.4	4.7	3.9
130°-140°	566.4	4.9	4.0
140°-150°	561.0	4.8	4.0
150°-160°	354.1	3.1	2.5
160°-170°	143.5	1.2	1.0
170°-180°	46.7	0.4	0.3
0°-90°	6868.2	59.3	49.1
0°-180°	11589.2	100.0	82.8

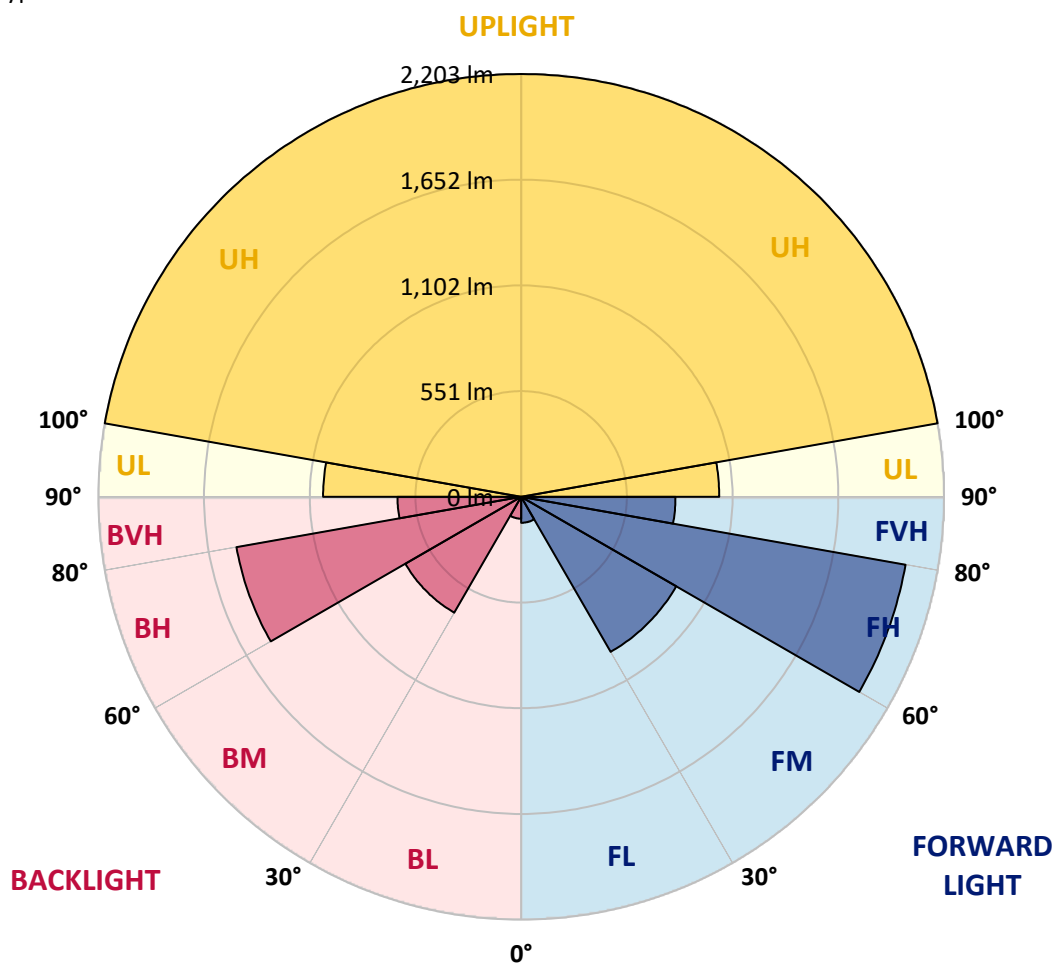


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Lamp	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.5	1.0			
FM	(30°-60°)	933.0	6.7			
FH	(60°-80°)	2033.8	14.5			G2/5000
FVH	(80°-90°)	803.9	5.7			G5
BL	(0°-30°)	114.0	0.8	B1/500		
BM	(30°-60°)	697.2	5.0	B1/1000		
BH	(60°-80°)	1506.4	10.8	B3/2500		G3/2500
BVH	(80°-90°)	644.5	4.6			G4/750
UL	(90°-100°)	1032.1	7.4		U5	
UH	(100°-180°)	2203.3	15.7		U5	
Trapped Light		2410.8	17.2			

BUG Rating: B3-U5-G5
Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	129	129	129	129	129	129	129	129	129	129	129
2.5°	21	21	102	134	134	129	21	134	129	21	123
5°	21	21	96	123	134	129	21	134	129	38	113
7.5°	21	21	96	139	161	145	38	145	134	59	107
10°	86	91	123	166	188	171	113	182	171	107	134
12.5°	161	166	182	198	209	204	182	209	198	171	182
15°	225	230	236	236	241	241	241	241	230	225	225
17.5°	279	284	284	279	284	284	289	279	268	268	263
20°	321	327	327	327	338	332	327	321	311	300	295
22.5°	364	370	370	375	375	380	375	364	354	338	332
25°	407	413	407	413	429	423	423	418	402	375	370
27.5°	450	461	455	450	472	472	466	466	429	397	386
30°	504	514	488	482	498	504	504	493	455	418	402
32.5°	536	530	504	498	514	530	541	525	488	445	418
35°	547	547	525	514	530	552	573	563	525	466	439
37.5°	557	568	552	525	547	573	611	605	563	493	472
40°	589	600	579	557	573	605	659	659	600	530	498
42.5°	632	638	616	584	605	643	702	723	659	568	541
45°	697	707	675	627	648	664	745	772	702	605	579
47.5°	782	777	734	675	697	713	804	863	772	664	632
50°	868	868	814	739	766	782	900	970	868	729	702
52.5°	986	981	922	831	857	889	1018	1120	986	831	804
55°	1136	1136	1045	932	964	1007	1173	1318	1157	959	932
57.5°	1297	1302	1206	1056	1115	1168	1366	1554	1350	1109	1093
60°	1457	1484	1372	1184	1265	1345	1602	1816	1581	1291	1270
62.5°	1672	1693	1554	1318	1431	1516	1849	2122	1849	1479	1447
65°	1908	1950	1763	1463	1640	1699	2100	2465	2127	1666	1607
67.5°	2111	2154	1956	1607	1822	1913	2363	2759	2390	1843	1768
70°	2208	2250	2063	1677	1940	2015	2551	2936	2561	1983	1891
72.5°	2208	2218	2052	1682	1924	2025	2577	2963	2615	2031	1929
75°	2100	2117	1972	1634	1854	1934	2449	2797	2551	2004	1891
77.5°	1929	1961	1843	1543	1741	1763	2283	2620	2411	1908	1795
80°	1747	1784	1688	1425	1591	1634	2047	2358	2192	1752	1645
82.5°	1575	1602	1506	1307	1420	1490	1822	2063	1929	1570	1474
85°	1415	1415	1345	1206	1286	1334	1549	1806	1709	1404	1313
87.5°	1254	1275	1222	1104	1190	1206	1377	1618	1532	1270	1184
90°	1147	1163	1125	1029	1098	1109	1248	1463	1393	1157	1077
95°	997	986	975	906	948	964	1056	1227	1157	986	927
105°	804	798	777	772	782	798	857	997	932	793	750
115°	664	664	659	654	659	675	707	814	756	654	638
125°	622	605	600	605	611	616	616	697	622	563	568
135°	643	638	622	622	616	627	622	739	664	627	622
145°	1275	1227	1238	1222	1254	1184	1168	1109	1131	1061	986
155°	879	841	814	793	809	793	777	745	756	713	707
165°	418	423	423	429	439	450	418	461	461	445	439



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
175°	397	402	407	402	391	380	343	375	370	364	370
180°	568	568	568	568	568	568	568	568	568	568	568



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	129	129	129	129	129	129	129	129	129	129
2.5°	139	134	209	209	118	198	198	193	193	193
5°	145	150	209	209	134	198	198	193	193	193
7.5°	155	166	209	209	150	198	198	193	193	193
10°	171	182	198	198	166	188	188	188	182	182
12.5°	193	198	198	198	182	188	188	188	182	182
15°	220	214	209	209	198	198	198	193	193	193
17.5°	252	241	230	230	225	220	220	214	214	214
20°	289	279	263	263	263	252	252	252	246	246
22.5°	321	311	300	295	289	289	284	284	284	279
25°	354	332	327	321	316	316	316	311	311	311
27.5°	375	348	348	348	354	343	338	338	343	343
30°	386	370	359	364	364	359	359	370	375	386
32.5°	413	397	386	375	375	370	380	391	402	407
35°	423	413	402	397	391	386	391	397	386	397
37.5°	450	429	418	418	413	407	413	407	402	407
40°	482	455	455	450	439	434	434	418	423	418
42.5°	514	493	482	472	466	466	461	455	450	450
45°	552	525	520	520	504	498	498	493	488	493
47.5°	600	584	579	568	557	536	530	530	530	525
50°	675	643	643	643	627	595	579	568	573	568
52.5°	782	739	739	734	718	664	643	638	627	622
55°	911	857	852	857	831	766	723	713	702	707
57.5°	1077	986	991	997	975	889	836	809	798	793
60°	1248	1131	1141	1141	1120	1029	948	911	895	889
62.5°	1425	1291	1297	1281	1270	1163	1066	1007	991	997
65°	1597	1436	1436	1415	1409	1302	1173	1115	1088	1082
67.5°	1768	1575	1575	1549	1565	1436	1302	1227	1200	1200
70°	1897	1693	1704	1672	1699	1586	1409	1329	1291	1286
72.5°	1966	1768	1763	1731	1800	1677	1463	1388	1350	1350
75°	1934	1752	1752	1725	1784	1677	1468	1382	1350	1340
77.5°	1838	1661	1661	1634	1693	1618	1420	1318	1291	1286
80°	1693	1532	1522	1500	1570	1500	1323	1227	1200	1200
82.5°	1527	1388	1350	1350	1420	1361	1184	1125	1098	1082
85°	1350	1238	1211	1195	1259	1211	1072	1018	986	975
87.5°	1200	1093	1082	1061	1104	1093	975	916	884	889
90°	1093	1002	981	975	1018	991	895	841	814	825
95°	938	873	852	852	889	868	782	745	723	718
105°	756	718	718	734	766	734	675	659	638	632
115°	638	611	627	632	654	616	589	573	568	557
125°	557	552	573	568	589	557	552	541	525	525
135°	622	627	622	589	595	600	589	605	605	611
145°	948	948	970	997	1034	1023	991	1056	1098	1007
155°	745	734	707	723	729	766	793	750	820	739
165°	445	445	445	439	429	423	434	439	439	386



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
175°	370	375	380	380	386	397	397	402	407	343
180°	568	568	568	568	568	568	568	568	568	568

(END OF REPORT)