

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: P162067

Luminaire Tested: **OVF-E05-LED-E-U-SLR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P162067  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33704)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: OVF-E05-LED-E-U-SLR  
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR RIGHT  
Light Source: (105) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13467.2 lumens  
Efficiency: N/A  
Efficacy: 105.8 lumens/watt  
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 127.3  
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

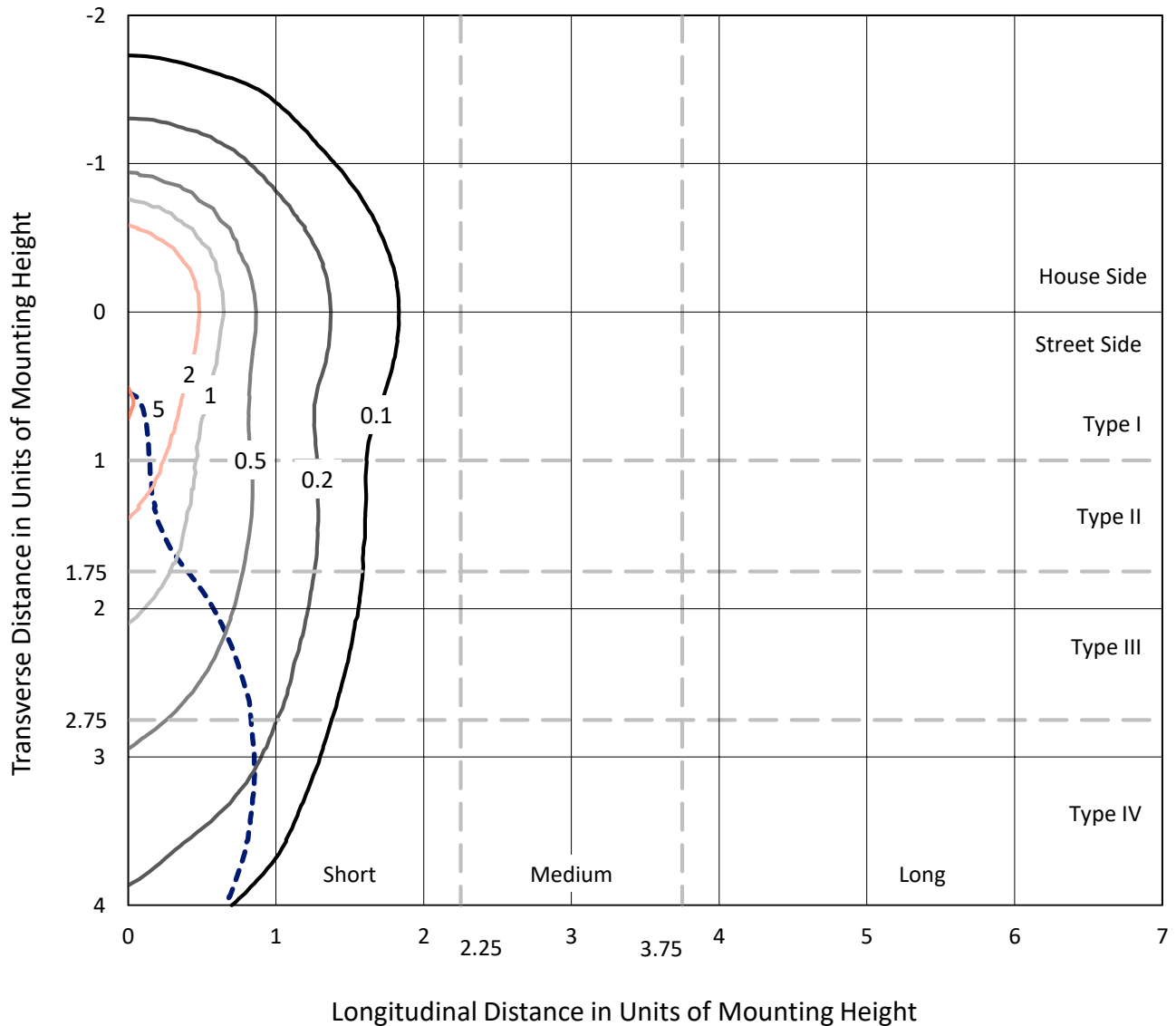


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

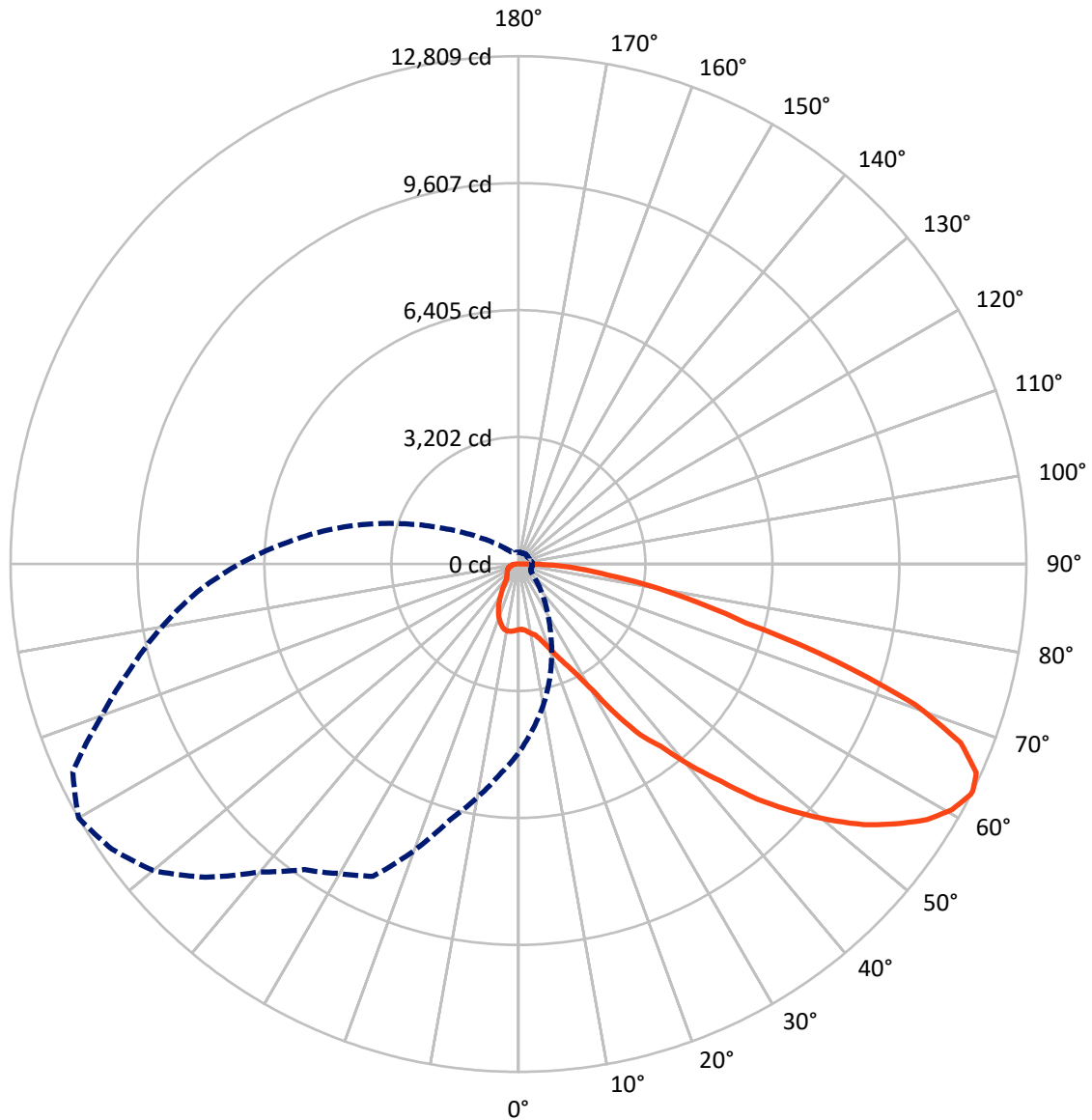


Based on 20 foot mounting height. Maximum calculated value = 5.3 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 300-Deg Lateral    - - - Horizontal Cone Through 63-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2819.1	0.0	2819.1
	% Fixture	20.9	0.0	20.9
<b>Street Side</b>	Lumens	10648.1	0.0	10648.1
	% Fixture	79.1	0.0	79.1
<b>Total</b>	Lumens	13467.2	0.0	13467.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.5	1.2
10°-20°	507.0	3.8
20°-30°	896.6	6.7
30°-40°	1415.4	10.5
40°-50°	2081.4	15.5
50°-60°	2741.8	20.4
60°-70°	3056.0	22.7
70°-80°	2007.8	14.9
80°-90°	598.8	4.4
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°	13467.2	100.0
0°-180°	13467.2	100.0

**Coefficient of Utilization**



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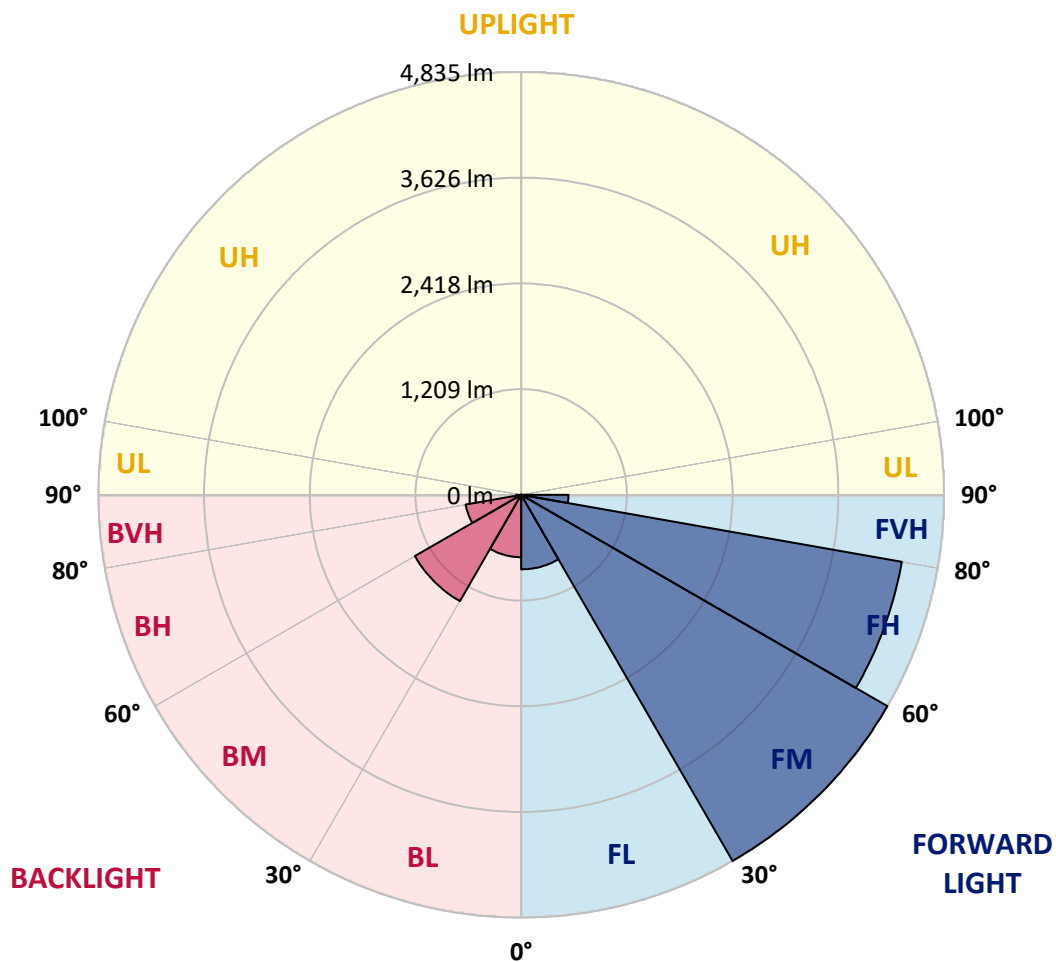
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	852.4	6.3			
FM	(30°-60°)	4835.1	35.9			
FH	(60°-80°)	4419.5	32.8			G2/5000
FVH	(80°-90°)	541.2	4.0			G4/750
BL	(0°-30°)	713.6	5.3	B2/1000		
BM	(30°-60°)	1403.5	10.4	B2/2500		
BH	(60°-80°)	644.3	4.8	B2/1000		G2/1000
BVH	(80°-90°)	57.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654
2.5°	1652	1655	1655	1652	1655	1654	1654	1657	1658	1663	1660
5°	1644	1645	1646	1644	1645	1645	1647	1650	1651	1657	1654
7.5°	1635	1637	1633	1634	1637	1641	1641	1645	1652	1655	1654
10°	1640	1638	1635	1634	1636	1637	1639	1646	1652	1655	1660
12.5°	1679	1673	1670	1669	1670	1668	1675	1677	1679	1683	1681
15°	1753	1745	1740	1735	1746	1741	1741	1735	1725	1710	1691
17.5°	1856	1847	1843	1841	1842	1833	1815	1786	1751	1711	1674
20°	2004	2018	2012	1985	1975	1935	1878	1818	1757	1693	1632
22.5°	2260	2252	2225	2158	2098	2008	1906	1809	1719	1626	1546
25°	2557	2490	2414	2282	2144	1996	1849	1734	1614	1512	1416
27.5°	2921	2776	2582	2367	2161	1964	1790	1638	1501	1392	1285
30°	3279	3037	2767	2482	2204	1938	1708	1532	1374	1234	1126
32.5°	3527	3234	2898	2546	2208	1896	1618	1408	1230	1089	959
35°	3731	3365	2944	2536	2144	1798	1489	1256	1067	921	807
37.5°	3871	3432	2941	2478	2030	1642	1341	1104	928	792	687
40°	3969	3453	2902	2379	1899	1491	1183	967	813	707	631
42.5°	4016	3439	2844	2285	1769	1369	1064	875	750	670	614
45°	4036	3405	2779	2193	1663	1264	1003	847	749	680	619
47.5°	4031	3368	2721	2117	1600	1236	1015	885	786	700	622
50°	4017	3334	2684	2089	1599	1278	1082	949	829	718	619
52.5°	4016	3331	2704	2122	1657	1373	1183	1023	871	738	620
55°	4040	3385	2789	2211	1797	1506	1297	1102	918	752	617
57.5°	4137	3520	2950	2410	1977	1668	1407	1161	936	748	603
60°	4350	3757	3198	2691	2208	1816	1472	1181	928	724	573
62.5°	4682	4100	3538	2967	2413	1905	1487	1165	896	684	536
63°	4767	4179	3607	3024	2448	1914	1486	1159	887	674	527
65°	5122	4518	3884	3212	2542	1932	1463	1121	847	627	486
67.5°	5656	4892	4159	3387	2594	1900	1391	1027	744	545	425
70°	6012	5140	4323	3444	2533	1754	1226	861	608	449	363
72.5°	6021	4918	4101	3148	2187	1447	960	651	473	365	313
75°	5378	4156	3352	2585	1683	1023	675	475	363	301	271
77.5°	3998	3032	2419	1739	1093	663	470	352	288	249	227
80°	2481	1895	1468	1040	655	441	344	280	242	208	190
82.5°	1496	1061	829	628	419	318	265	236	205	175	161
85°	1096	759	556	388	259	210	186	180	159	135	127
87.5°	345	362	376	229	125	95	81	95	91	64	70
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°	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654
2.5°	1665	1669	1666	1666	1664	1663	1670	1668	1670	1669	1671
5°	1659	1662	1660	1662	1660	1660	1669	1669	1673	1675	1680
7.5°	1661	1662	1661	1664	1662	1660	1665	1668	1675	1681	1686
10°	1668	1671	1670	1670	1664	1660	1663	1665	1672	1675	1681
12.5°	1685	1681	1673	1668	1654	1646	1642	1640	1645	1649	1652
15°	1681	1659	1641	1626	1605	1592	1582	1581	1582	1583	1586
17.5°	1640	1610	1574	1555	1531	1517	1510	1505	1504	1506	1511
20°	1581	1537	1497	1464	1438	1416	1421	1410	1415	1418	1427
22.5°	1491	1430	1384	1344	1313	1290	1290	1280	1282	1291	1303
25°	1345	1288	1222	1194	1159	1143	1140	1138	1146	1157	1164
27.5°	1213	1135	1070	1033	996	1000	980	992	1001	1010	1018
30°	1035	971	912	875	831	832	835	837	845	857	873
32.5°	864	795	740	700	674	666	655	673	683	695	711
35°	723	651	605	570	555	544	541	539	548	554	567
37.5°	622	573	539	514	500	488	485	483	482	480	488
40°	581	542	513	490	477	470	467	463	459	454	453
42.5°	569	527	493	470	460	459	459	457	453	446	441
45°	564	513	474	456	449	450	450	450	447	440	432
47.5°	555	496	456	441	438	440	442	442	440	434	425
50°	538	470	428	414	413	414	414	416	414	409	401
52.5°	525	450	407	396	396	395	394	394	393	389	383
55°	513	437	398	389	391	391	389	388	384	379	373
57.5°	496	423	389	383	385	384	383	382	378	372	364
60°	466	398	371	367	370	371	375	376	374	367	356
62.5°	433	367	347	344	347	350	353	351	351	344	334
63°	422	362	340	340	343	346	348	346	347	339	329
65°	397	344	327	328	331	333	334	334	333	327	318
67.5°	355	318	308	313	317	318	318	320	318	314	306
70°	317	293	286	292	294	295	295	295	293	289	282
72.5°	288	276	275	274	275	272	272	270	265	262	256
75°	256	250	251	250	248	247	242	240	234	230	222
77.5°	220	221	220	221	223	224	217	212	207	203	199
80°	183	185	183	185	186	186	179	171	167	170	171
82.5°	163	163	155	157	155	152	147	144	141	139	144
85°	129	130	132	130	126	123	118	114	111	114	121
87.5°	77	83	80	80	79	79	75	73	70	82	88
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°	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654
2.5°	1670	1673	1674	1673	1674	1676	1668	1676	1677	1671	1673
5°	1684	1689	1696	1696	1701	1704	1700	1711	1713	1712	1717
7.5°	1694	1701	1710	1715	1724	1728	1731	1741	1743	1747	1751
10°	1693	1703	1711	1725	1736	1744	1750	1761	1765	1771	1774
12.5°	1664	1675	1690	1710	1730	1743	1759	1775	1781	1789	1794
15°	1599	1608	1629	1655	1682	1715	1738	1763	1774	1782	1789
17.5°	1514	1522	1541	1564	1600	1632	1667	1705	1724	1733	1736
20°	1435	1447	1452	1479	1491	1523	1553	1595	1619	1635	1645
22.5°	1311	1317	1343	1354	1363	1383	1420	1457	1489	1515	1523
25°	1174	1190	1204	1213	1234	1235	1265	1291	1331	1356	1376
27.5°	1023	1047	1055	1061	1077	1096	1107	1133	1156	1185	1221
30°	871	894	910	919	934	952	960	977	1007	1039	1067
32.5°	729	753	761	790	794	811	817	844	861	888	921
35°	590	615	639	655	673	672	688	713	728	756	778
37.5°	495	510	527	545	565	580	595	606	618	637	657
40°	453	457	464	475	489	500	511	520	529	544	557
42.5°	436	433	433	431	436	442	451	454	468	477	482
45°	424	417	412	406	404	406	411	418	427	430	430
47.5°	417	406	398	389	384	384	387	392	397	398	397
50°	393	382	372	364	360	360	361	368	369	367	368
52.5°	375	364	354	347	342	343	346	349	352	350	348
55°	364	351	342	334	328	330	333	337	342	339	336
57.5°	354	343	332	324	317	319	322	328	334	328	324
60°	345	334	323	315	307	309	313	319	324	316	311
62.5°	323	313	305	301	296	299	302	309	307	299	293
63°	319	309	302	298	294	298	299	306	303	295	290
65°	307	299	292	288	284	286	286	289	285	279	275
67.5°	296	287	280	272	268	266	265	264	261	258	257
70°	272	266	260	253	247	243	241	239	237	236	235
72.5°	246	241	235	231	226	223	218	217	215	213	212
75°	218	212	210	206	203	201	197	196	194	191	190
77.5°	193	191	188	187	182	179	177	176	174	172	170
80°	172	171	169	168	165	161	159	160	157	156	153
82.5°	155	156	156	153	150	145	143	146	144	140	136
85°	132	131	132	131	125	120	118	120	119	113	112
87.5°	94	93	91	97	89	72	74	84	81	78	76
90°	0	0	0	0	0	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654
2.5°	1677	1674	1676	1677	1674	1681	1674	1675	1677	1671	1670
5°	1721	1721	1729	1730	1729	1738	1737	1738	1736	1735	1731
7.5°	1757	1761	1767	1776	1779	1786	1788	1789	1793	1797	1795
10°	1783	1794	1799	1808	1817	1822	1827	1835	1838	1841	1837
12.5°	1801	1814	1822	1833	1844	1852	1861	1871	1881	1884	1879
15°	1792	1807	1819	1831	1848	1863	1880	1898	1911	1916	1910
17.5°	1736	1751	1769	1787	1805	1833	1857	1887	1908	1923	1925
20°	1659	1668	1694	1712	1741	1774	1810	1845	1869	1896	1912
22.5°	1545	1563	1592	1623	1652	1695	1733	1779	1820	1857	1892
25°	1406	1431	1465	1508	1546	1592	1647	1698	1767	1825	1900
27.5°	1256	1302	1349	1394	1436	1488	1545	1602	1681	1774	1872
30°	1114	1152	1211	1263	1312	1376	1435	1498	1573	1683	1794
32.5°	966	997	1043	1107	1164	1239	1291	1366	1453	1569	1695
35°	813	856	893	937	980	1055	1133	1216	1316	1440	1578
37.5°	678	705	723	768	806	870	961	1061	1171	1297	1445
40°	566	583	603	633	665	723	807	919	1034	1160	1308
42.5°	489	500	502	525	555	612	679	782	909	1041	1189
45°	436	436	435	445	469	518	579	671	792	930	1084
47.5°	399	402	401	405	421	457	512	590	700	835	990
50°	371	375	376	377	383	413	460	523	621	750	906
52.5°	349	350	350	349	351	368	407	465	556	672	822
55°	337	338	338	338	338	349	377	424	497	606	742
57.5°	323	323	325	325	325	329	349	388	444	531	652
60°	311	314	318	319	318	318	328	354	391	454	556
62.5°	293	297	302	304	305	303	308	319	341	374	443
63°	290	294	298	300	301	299	303	312	330	357	419
65°	277	282	283	284	283	282	281	281	286	296	329
67.5°	259	262	262	264	259	257	255	253	250	251	263
70°	238	240	239	238	236	233	231	228	222	220	226
72.5°	214	216	216	216	212	210	208	206	204	206	208
75°	192	192	194	193	190	188	187	186	186	186	185
77.5°	171	170	170	167	165	164	166	167	166	164	163
80°	153	148	143	139	138	140	142	148	145	145	143
82.5°	130	119	112	113	110	111	113	120	118	119	123
85°	104	94	83	85	85	83	88	90	92	97	93
87.5°	73	64	53	46	48	50	52	50	44	46	45
90°	0	0	0	0	0	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654
2.5°	1668	1669	1669	1662	1660	1662	1661	1661	1655	1656	1654
5°	1729	1731	1725	1720	1713	1712	1711	1707	1703	1695	1691
7.5°	1794	1785	1783	1774	1771	1763	1757	1751	1746	1742	1739
10°	1835	1828	1826	1810	1805	1795	1789	1782	1776	1770	1769
12.5°	1872	1860	1853	1831	1821	1810	1805	1799	1797	1796	1800
15°	1901	1884	1871	1851	1843	1837	1838	1835	1847	1854	1867
17.5°	1920	1913	1910	1895	1900	1900	1914	1921	1943	1961	1979
20°	1930	1943	1968	1973	1985	1998	2019	2031	2054	2080	2105
22.5°	1939	1994	2045	2083	2110	2140	2155	2180	2196	2215	2253
25°	1989	2081	2171	2220	2284	2327	2361	2386	2414	2430	2473
27.5°	1975	2092	2212	2302	2402	2483	2555	2603	2639	2697	2733
30°	1911	2047	2192	2320	2460	2592	2717	2829	2925	3003	3056
32.5°	1820	1976	2146	2304	2483	2659	2839	3010	3173	3302	3383
35°	1718	1886	2074	2261	2476	2706	2949	3179	3415	3621	3783
37.5°	1594	1776	1982	2199	2446	2722	3028	3341	3642	3954	4182
40°	1464	1642	1856	2104	2389	2714	3089	3495	3931	4333	4680
42.5°	1353	1527	1751	1996	2303	2684	3130	3633	4170	4691	5152
45°	1244	1430	1656	1915	2250	2672	3183	3753	4366	4984	5572
47.5°	1158	1342	1570	1848	2207	2665	3233	3865	4526	5202	5899
50°	1076	1252	1474	1767	2162	2654	3263	3954	4651	5373	6131
52.5°	992	1175	1391	1675	2103	2632	3272	4024	4780	5537	6348
55°	907	1090	1306	1600	2023	2589	3265	4075	4915	5710	6546
57.5°	803	983	1209	1505	1920	2503	3231	4097	4999	5872	6745
60°	686	856	1070	1372	1794	2379	3155	4066	5037	5979	6956
62.5°	539	687	884	1184	1611	2200	2989	3929	4945	5952	7047
63°	506	649	852	1134	1557	2138	2940	3882	4904	5927	7036
65°	386	492	660	912	1316	1852	2682	3616	4646	5678	6863
67.5°	285	340	443	612	926	1441	2198	3123	4098	5068	6274
70°	236	257	305	392	573	956	1553	2377	3294	4129	5218
72.5°	211	226	248	287	362	561	1010	1543	2294	3016	3936
75°	189	199	217	240	274	351	534	915	1402	2032	2700
77.5°	166	176	194	212	234	267	331	521	839	1186	1657
80°	144	149	164	190	206	233	254	326	457	621	883
82.5°	119	120	130	150	170	180	186	205	263	328	433
85°	85	81	87	95	111	102	109	115	140	169	310
87.5°	38	30	35	39	35	24	35	29	36	71	80
90°	0	0	0	0	0	0	0	0	0	0	0



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REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°	
0°	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654	1654	0°
2.5°	1656	1650	1650	1649	1650	1648	1644	1644	1647	1646	1646	2.5°
5°	1691	1683	1681	1680	1680	1675	1669	1666	1665	1661	1658	5°
7.5°	1737	1732	1735	1729	1727	1726	1718	1712	1703	1699	1684	7.5°
10°	1775	1772	1780	1779	1780	1780	1769	1763	1750	1743	1724	10°
12.5°	1808	1810	1825	1825	1828	1832	1826	1813	1808	1801	1781	12.5°
15°	1892	1900	1911	1929	1934	1935	1940	1929	1916	1898	1874	15°
17.5°	2006	2022	2059	2085	2090	2095	2092	2090	2066	2051	2026	17.5°
20°	2149	2188	2240	2276	2292	2294	2314	2300	2278	2248	2212	20°
22.5°	2309	2374	2440	2493	2524	2538	2559	2539	2510	2492	2444	22.5°
25°	2528	2599	2675	2717	2796	2819	2831	2825	2795	2808	2764	25°
27.5°	2828	2889	2996	3049	3123	3166	3157	3207	3216	3247	3252	27.5°
30°	3155	3256	3400	3507	3620	3693	3751	3795	3846	3932	3984	30°
32.5°	3508	3654	3838	4065	4305	4501	4722	4760	4874	4841	4819	32.5°
35°	3901	4085	4321	4619	4968	5292	5505	5612	5657	5682	5530	35°
37.5°	4427	4676	4939	5264	5531	5834	6079	6345	6467	6409	6118	37.5°
40°	5010	5243	5599	5865	6180	6679	7011	7331	7431	7238	6782	40°
42.5°	5595	5915	6301	6679	7041	7493	7933	8249	8359	8029	7488	42.5°
45°	6116	6526	6980	7368	7874	8465	9004	9258	9238	8708	8099	45°
47.5°	6570	7102	7614	8137	8647	9314	9848	10140	9933	9376	8686	47.5°
50°	6945	7588	8206	8807	9433	10142	10657	10927	10612	9907	9136	50°
52.5°	7230	8027	8739	9411	10159	10925	11383	11546	11055	10318	9473	52.5°
55°	7499	8400	9188	9951	10882	11569	11998	11968	11334	10497	9684	55°
57.5°	7702	8718	9557	10426	11429	12163	12411	12213	11450	10550	9745	57.5°
60°	7958	8966	9885	10855	11949	12570	12603	12248	11417	10450	9659	60°
62.5°	8122	9121	10094	11149	12345	12799	12563	12097	11227	10203	9462	62.5°
63°	8138	9136	10111	11178	12401	12809	12526	12029	11171	10135	9410	63°
65°	8066	9093	10033	11126	12415	12691	12255	11750	10862	9788	9104	65°
67.5°	7563	8631	9528	10553	11875	12028	11591	11042	10208	9040	8435	67.5°
70°	6662	7677	8313	9265	10428	10611	10220	9795	9054	8078	7576	70°
72.5°	5367	6364	6746	7475	8399	8359	8084	8031	7641	6822	6520	72.5°
75°	4012	4961	5122	5419	5935	5922	5986	6214	6409	5925	5538	75°
77.5°	2646	3590	3690	4036	4179	4571	5031	5604	5888	5690	5215	77.5°
80°	1464	2456	2436	2571	2824	3394	4091	4942	5510	5368	4848	80°
82.5°	761	1552	1529	1553	1788	2267	2797	3493	4080	4093	3918	82.5°
85°	566	1114	1180	1234	1390	1557	1654	1877	2199	2499	2606	85°
87.5°	208	669	833	895	899	878	715	787	716	847	1183	87.5°
90°	0	0	0	0	0	0	0	0	0	0	0	90°



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**DISTRIBUTION (continued):**

330°	335°	340°	345°	350°	355°	360°
1654	1654	1654	1654	1654	1654	1654
1648	1648	1647	1649	1650	1653	1652
1655	1652	1649	1647	1645	1646	1644
1673	1663	1655	1648	1642	1641	1635
1713	1695	1680	1669	1657	1651	1640
1764	1744	1725	1709	1695	1687	1679
1853	1824	1801	1784	1770	1761	1753
1985	1949	1914	1881	1877	1856	1856
2167	2118	2073	2045	2032	2004	2004
2419	2371	2304	2270	2273	2249	2260
2745	2705	2636	2622	2622	2596	2557
3234	3220	3144	3163	3123	3026	2921
3960	3960	3813	3707	3615	3464	3279
4687	4592	4367	4187	3996	3765	3527
5301	5048	4820	4600	4313	4065	3731
5819	5579	5318	4983	4646	4300	3871
6461	6169	5777	5356	4942	4466	3969
7048	6682	6187	5654	5127	4596	4016
7600	7128	6517	5877	5277	4676	4036
8120	7487	6776	6036	5380	4719	4031
8463	7750	6939	6132	5442	4734	4017
8678	7911	7035	6185	5473	4737	4016
8799	8002	7087	6222	5507	4755	4040
8893	8074	7145	6285	5588	4839	4137
8982	8263	7296	6401	5729	4996	4350
9019	8622	7603	6615	5926	5248	4682
9016	8690	7692	6674	5978	5315	4767
8907	8906	8097	6956	6220	5625	5122
8584	9014	8545	7328	6596	6136	5656
8073	8883	8606	7426	6863	6605	6012
7193	8257	8035	7008	6772	6697	6021
5818	6638	6543	5987	6074	6228	5378
4687	4661	4647	4445	4815	5128	3998
3915	3225	2995	2917	3527	3767	2481
3660	2897	2324	2226	2643	2771	1496
2797	2813	2435	2087	2056	1882	1096
1369	1392	1471	1343	1152	971	345
0	0	0	0	0	0	0

(END OF REPORT)