

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: LUMARK

Report Number: P208569

Luminaire Tested: **XTOR4B**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P208569
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27503)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: XTOR4B
Description: CROSSTOUR 38W WALL MOUNT LED

Light Source: EATON LED 5000K
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4268.7 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 0.19' x L: 0.52' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B2 - U0 - G0

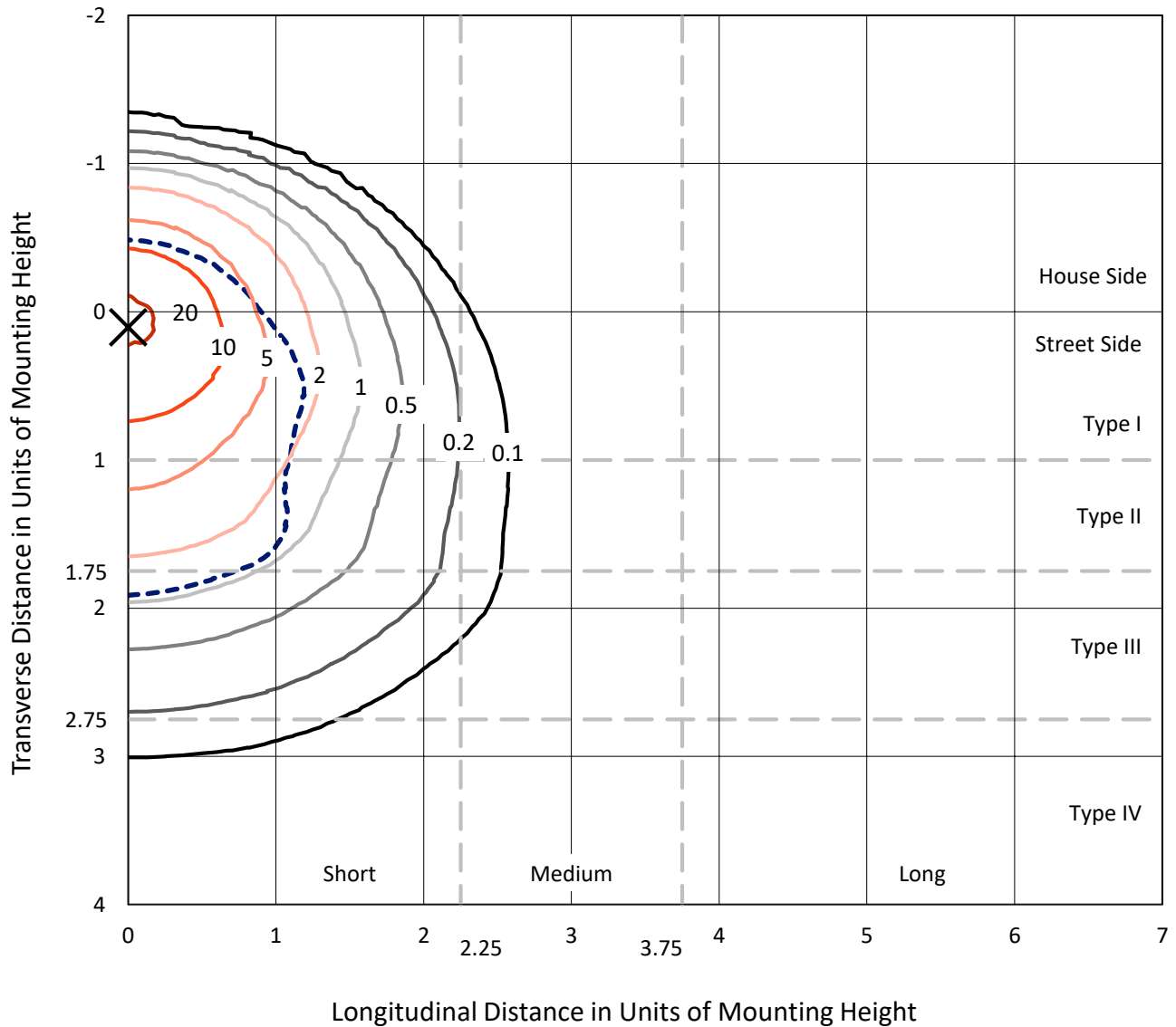
Input Watts (W): 37.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

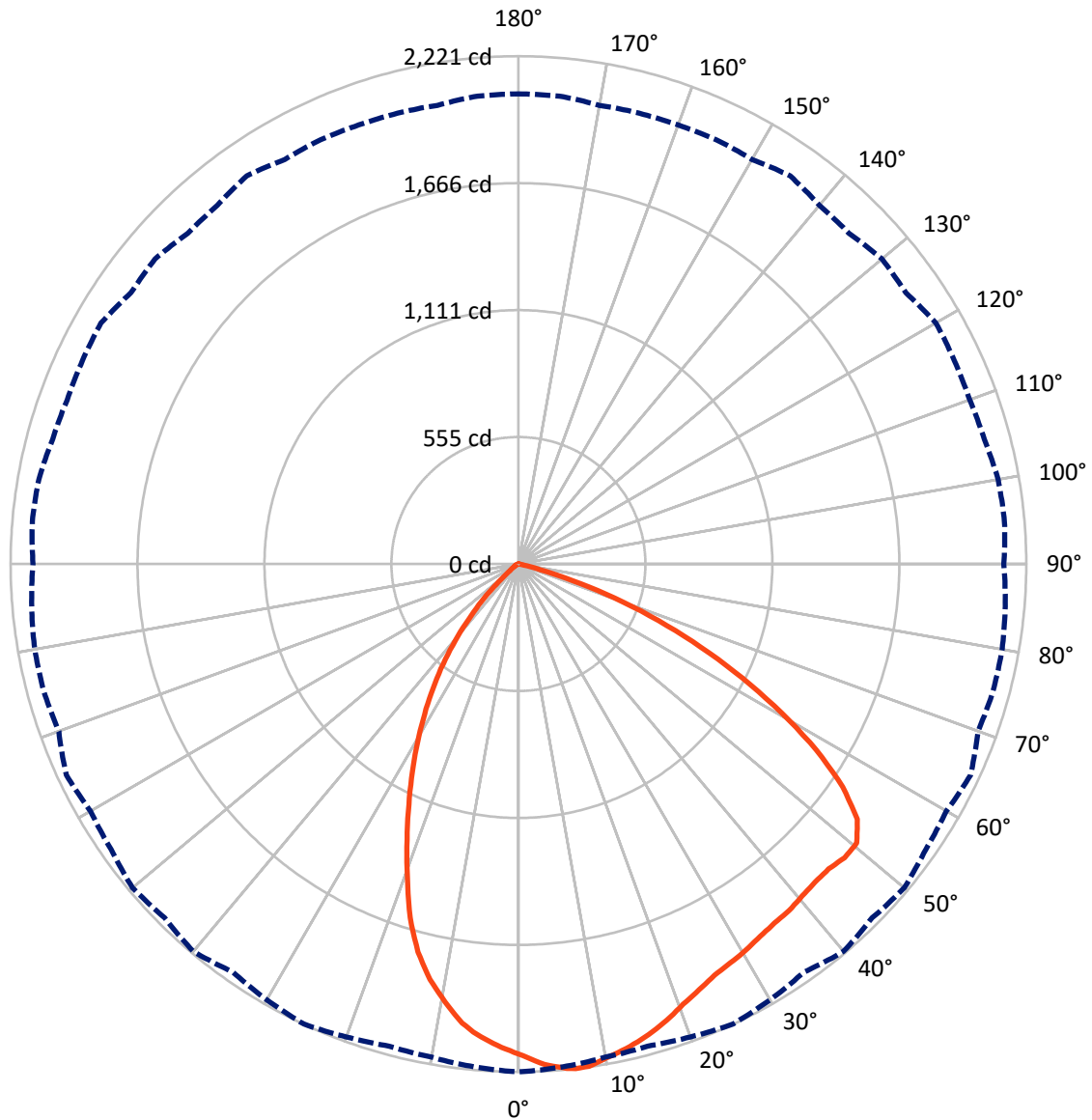
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21.7 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 6-Deg Vertical

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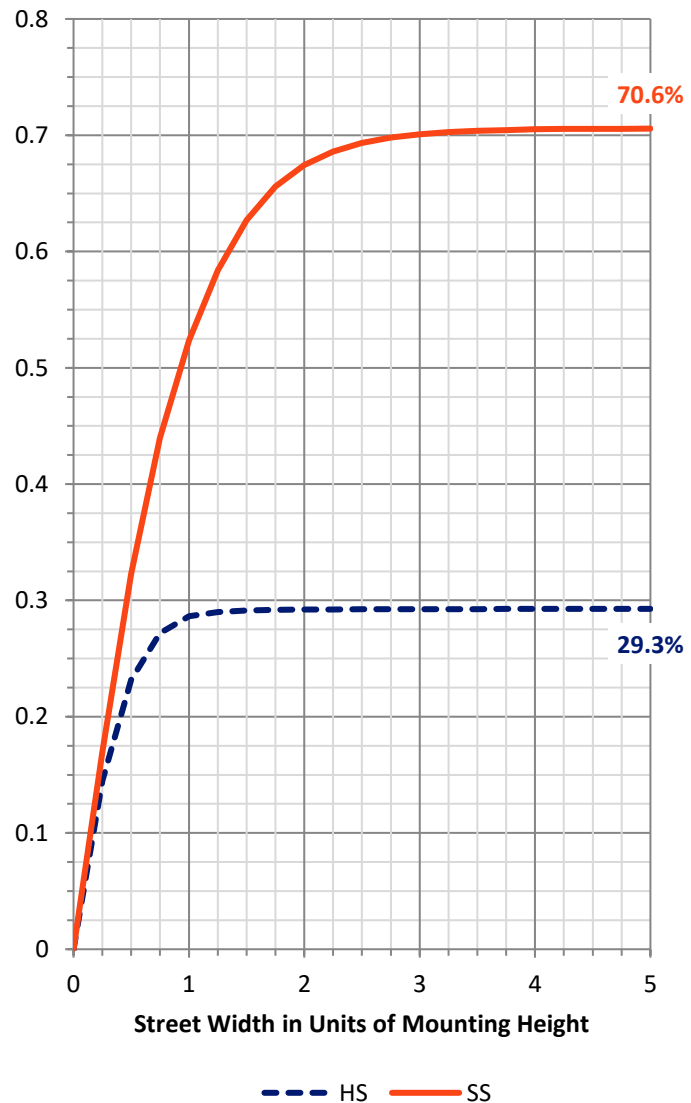
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1261.0	0.0	1261.0
	% Fixture	29.5	0.0	29.5
Street Side	Lumens	3007.6	0.0	3007.6
	% Fixture	70.5	0.0	70.5
Total	Lumens	4268.7	0.0	4268.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.6	4.7
10°-20°	556.5	13.0
20°-30°	779.1	18.3
30°-40°	859.2	20.1
40°-50°	802.0	18.8
50°-60°	626.1	14.7
60°-70°	354.9	8.3
70°-80°	86.0	2.0
80°-90°	3.2	0.1
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°	4268.7	100.0
0°-180°	4268.7	100.0

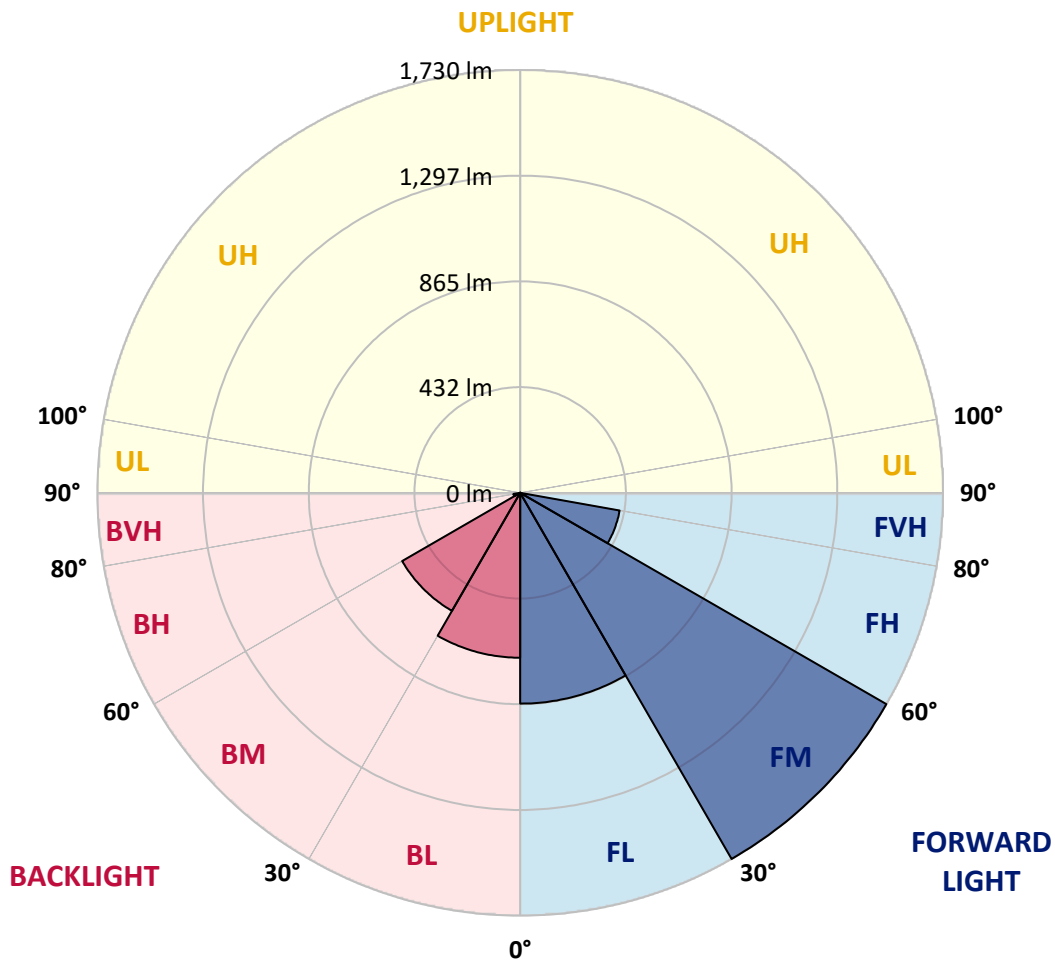


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	862.5	20.2			
FM	(30°-60°)	1729.7	40.5			
FH	(60°-80°)	413.2	9.7			G0/660
FVH	(80°-90°)	2.3	0.1			G0/10
BL	(0°-30°)	674.8	15.8	B2/1000		
BM	(30°-60°)	557.6	13.1	B1/1000		
BH	(60°-80°)	27.8	0.7	B0/110		G0/110
BVH	(80°-90°)	0.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2149	2149	2149	2149	2149	2149	2149	2149	2149	2149	2149
2.5°	2192	2179	2161	2155	2174	2190	2174	2156	2189	2168	2185
5°	2216	2205	2185	2177	2197	2216	2196	2176	2210	2186	2202
6°	2221	2208	2190	2183	2201	2220	2201	2178	2212	2188	2203
7.5°	2218	2203	2185	2178	2197	2214	2196	2175	2208	2184	2199
10°	2190	2178	2164	2159	2177	2195	2176	2154	2190	2168	2180
12.5°	2166	2153	2138	2133	2155	2180	2164	2142	2179	2155	2168
15°	2135	2123	2115	2112	2136	2167	2156	2137	2175	2152	2164
17.5°	2098	2087	2078	2080	2105	2139	2131	2114	2160	2139	2155
20°	2056	2046	2034	2034	2062	2101	2099	2087	2137	2120	2136
22.5°	2023	2009	1996	1993	2010	2049	2050	2043	2097	2085	2107
25°	1992	1980	1971	1965	1982	2014	2015	2008	2066	2056	2079
27.5°	1975	1965	1949	1946	1961	1990	1988	1979	2035	2033	2054
30°	1960	1945	1931	1923	1934	1966	1961	1943	1997	1997	2025
32.5°	1941	1929	1914	1905	1911	1937	1931	1904	1947	1948	1980
35°	1929	1917	1903	1889	1892	1914	1903	1871	1904	1896	1931
37.5°	1923	1910	1894	1877	1877	1891	1872	1837	1864	1840	1866
40°	1910	1897	1879	1858	1852	1860	1838	1796	1815	1781	1795
42.5°	1902	1886	1868	1841	1825	1829	1796	1745	1756	1716	1712
45°	1902	1881	1858	1825	1799	1790	1750	1686	1686	1637	1622
47.5°	1919	1894	1863	1819	1768	1746	1694	1619	1603	1548	1522
50°	1918	1898	1868	1820	1752	1696	1624	1534	1502	1441	1400
52.5°	1855	1835	1812	1780	1723	1657	1554	1437	1385	1316	1265
55°	1721	1708	1694	1666	1625	1589	1488	1339	1268	1183	1126
57.5°	1538	1531	1519	1500	1476	1457	1397	1267	1154	1052	998
60°	1323	1316	1307	1299	1285	1287	1265	1181	1078	945	882
62.5°	1099	1091	1088	1077	1079	1091	1091	1050	998	866	772
65°	878	874	876	877	871	881	886	875	869	796	674
67.5°	660	659	668	668	677	690	689	677	703	681	601
70°	445	447	451	463	479	489	498	505	509	521	500
72.5°	247	251	259	282	293	308	319	332	339	353	356
75°	99	103	111	122	133	155	163	179	193	202	207
77.5°	24	26	28	32	36	47	54	67	78	86	96
80°	10	10	10	10	10	10	10	13	15	20	23
82.5°	6	5	5	6	6	5	6	5	5	5	5
85°	3	3	3	3	3	3	3	3	3	3	3
87.5°	1	1	1	1	1	1	1	2	2	2	2
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°	2149	2149	2149	2149	2149	2149	2149	2149	2149	2149	2149
2.5°	2159	2150	2173	2136	2148	2152	2144	2131	2149	2151	2130
5°	2175	2161	2183	2141	2152	2153	2140	2127	2141	2136	2118
6°	2175	2161	2182	2139	2149	2148	2137	2123	2134	2130	2109
7.5°	2169	2155	2176	2131	2140	2138	2124	2108	2118	2114	2091
10°	2151	2136	2156	2110	2116	2110	2093	2074	2081	2073	2048
12.5°	2134	2122	2137	2089	2092	2083	2062	2040	2044	2033	2003
15°	2131	2117	2130	2082	2081	2067	2040	2012	2008	1993	1958
17.5°	2120	2104	2114	2060	2057	2041	2009	1977	1964	1941	1897
20°	2102	2085	2090	2033	2024	2003	1966	1929	1909	1880	1826
22.5°	2073	2060	2065	2002	1984	1955	1915	1870	1843	1804	1746
25°	2045	2033	2034	1968	1946	1905	1857	1805	1771	1727	1660
27.5°	2019	2000	2001	1931	1902	1851	1793	1729	1690	1637	1561
30°	1989	1966	1956	1885	1845	1786	1715	1641	1588	1523	1446
32.5°	1948	1925	1906	1829	1781	1708	1622	1539	1472	1398	1318
35°	1902	1877	1854	1767	1709	1623	1524	1426	1352	1278	1199
37.5°	1846	1821	1795	1698	1632	1531	1419	1310	1233	1165	1084
40°	1773	1748	1719	1619	1544	1426	1301	1193	1122	1053	975
42.5°	1684	1665	1631	1526	1438	1315	1184	1080	1016	946	873
45°	1582	1563	1526	1417	1319	1196	1068	976	912	843	773
47.5°	1461	1444	1399	1298	1200	1078	957	873	807	745	676
50°	1329	1305	1266	1168	1081	964	850	775	710	647	580
52.5°	1188	1155	1126	1051	968	857	750	678	614	551	484
55°	1050	1016	991	930	855	750	650	581	517	454	390
57.5°	925	889	861	809	741	641	551	483	419	360	297
60°	813	770	733	684	623	532	452	388	326	268	211
62.5°	708	655	611	556	504	424	357	294	238	184	134
65°	591	545	495	436	390	323	267	210	157	111	71
67.5°	492	441	389	335	284	234	183	132	89	55	30
70°	403	337	290	241	198	153	110	70	40	22	18
72.5°	323	247	206	160	123	84	51	28	16	14	17
75°	213	169	126	93	62	36	19	12	12	13	17
77.5°	99	96	70	43	23	13	10	9	9	9	12
80°	29	27	24	15	9	7	7	6	5	6	5
82.5°	5	5	6	5	5	5	4	3	3	2	2
85°	3	3	3	3	3	3	2	2	2	2	2
87.5°	2	2	2	2	2	2	2	2	2	2	2
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°	2149	2149	2149	2149	2149	2149	2149	2149	2149	2149	2149
2.5°	2124	2131	2139	2103	2111	2084	2089	2117	2088	2094	2091
5°	2108	2113	2117	2080	2087	2059	2062	2087	2059	2062	2060
6°	2100	2104	2108	2068	2075	2045	2048	2072	2043	2047	2043
7.5°	2078	2081	2081	2043	2050	2019	2018	2042	2013	2017	2010
10°	2029	2029	2025	1982	1985	1952	1950	1971	1942	1943	1934
12.5°	1983	1981	1971	1924	1923	1888	1880	1895	1863	1860	1849
15°	1931	1926	1910	1863	1856	1814	1802	1810	1771	1767	1754
17.5°	1866	1854	1831	1780	1764	1717	1696	1697	1655	1646	1629
20°	1785	1764	1731	1675	1650	1596	1568	1561	1513	1499	1478
22.5°	1695	1663	1619	1554	1523	1460	1428	1413	1362	1345	1323
25°	1599	1559	1504	1429	1388	1320	1285	1269	1219	1202	1181
27.5°	1494	1450	1387	1305	1256	1192	1156	1131	1091	1071	1050
30°	1376	1330	1267	1186	1138	1075	1034	1010	966	947	926
32.5°	1256	1204	1135	1067	1022	960	919	899	860	828	807
35°	1125	1075	1010	945	901	846	812	785	737	716	694
37.5°	1015	961	900	832	786	731	698	666	638	606	583
40°	910	856	794	727	680	625	589	555	521	494	471
42.5°	810	756	694	626	578	522	485	446	417	383	360
45°	711	657	590	528	477	421	377	342	305	277	257
47.5°	614	556	500	431	378	326	279	246	214	184	166
50°	517	461	399	335	282	228	191	159	128	107	93
52.5°	423	366	305	242	192	150	116	91	70	54	46
55°	330	275	215	159	117	88	65	50	44	41	39
57.5°	241	187	138	93	67	52	46	44	40	36	31
60°	160	113	77	53	46	45	42	38	32	22	18
62.5°	91	58	42	43	45	42	35	23	16	14	14
65°	41	32	40	43	40	29	18	12	12	12	12
67.5°	23	34	41	37	26	14	10	10	9	9	9
70°	25	36	33	22	10	8	7	7	6	5	5
72.5°	28	29	18	7	6	5	4	4	4	4	4
75°	22	14	5	4	3	3	3	3	3	3	3
77.5°	10	3	3	3	3	3	3	3	3	3	3
80°	3	3	3	2	2	2	2	2	2	2	2
82.5°	2	2	2	2	2	2	2	2	2	1	1
85°	2	2	2	2	2	2	2	2	1	1	1
87.5°	2	2	2	2	2	1	1	1	1	1	1
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	2149	2149	2149	2149
2.5°	2092	2091	2109	2115
5°	2060	2054	2072	2075
6°	2041	2037	2054	2056
7.5°	2009	2003	2022	2022
10°	1929	1924	1939	1942
12.5°	1843	1836	1849	1858
15°	1742	1734	1746	1753
17.5°	1611	1601	1611	1618
20°	1457	1443	1451	1455
22.5°	1301	1289	1294	1299
25°	1161	1149	1151	1155
27.5°	1030	1017	1017	1020
30°	908	890	893	895
32.5°	785	772	772	774
35°	677	659	659	660
37.5°	563	546	546	547
40°	452	435	433	434
42.5°	344	328	326	326
45°	241	233	229	229
47.5°	158	148	144	144
50°	84	77	77	77
52.5°	45	45	46	47
55°	38	38	39	39
57.5°	28	27	27	28
60°	18	19	20	20
62.5°	15	15	17	17
65°	12	13	14	14
67.5°	9	9	10	10
70°	5	5	6	6
72.5°	4	4	5	5
75°	3	3	4	4
77.5°	3	3	3	3
80°	2	2	2	2
82.5°	1	1	2	2
85°	1	1	1	1
87.5°	1	1	1	1
90°	0	0	0	0

(END OF REPORT)