

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: P208571

Luminaire Tested: **XTOR6B**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P208571  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27504)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: XTOR6B  
Description: CROSSTOUR 58W WALL MOUNT LED  
  
Light Source: EATON LED 5000K  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6129.4 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Luminous Opening: Rectangular (W 0.38' x L: 0.67' x H: 0')  
IES Classification: Type IV - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

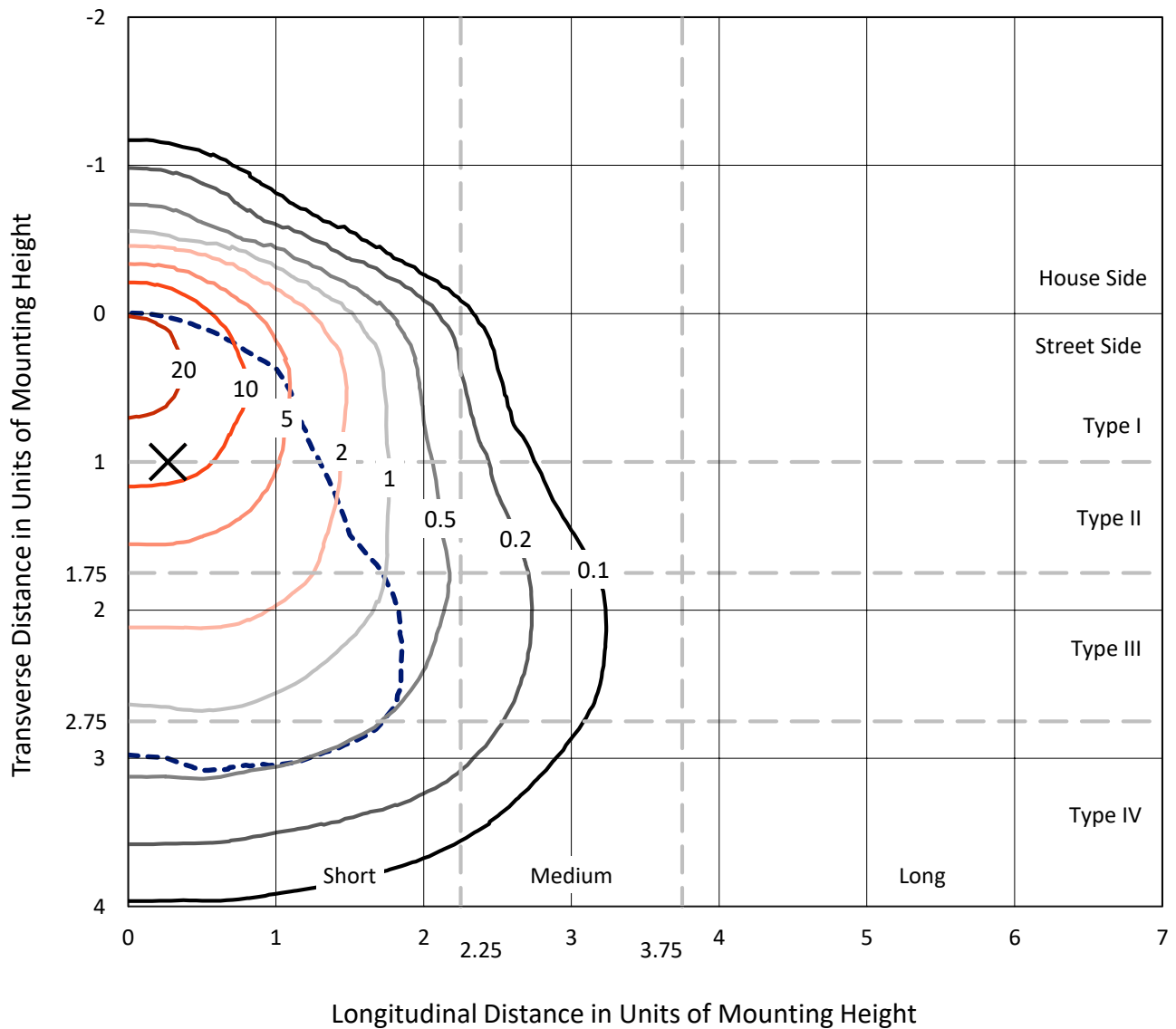
Input Watts (W): 58  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

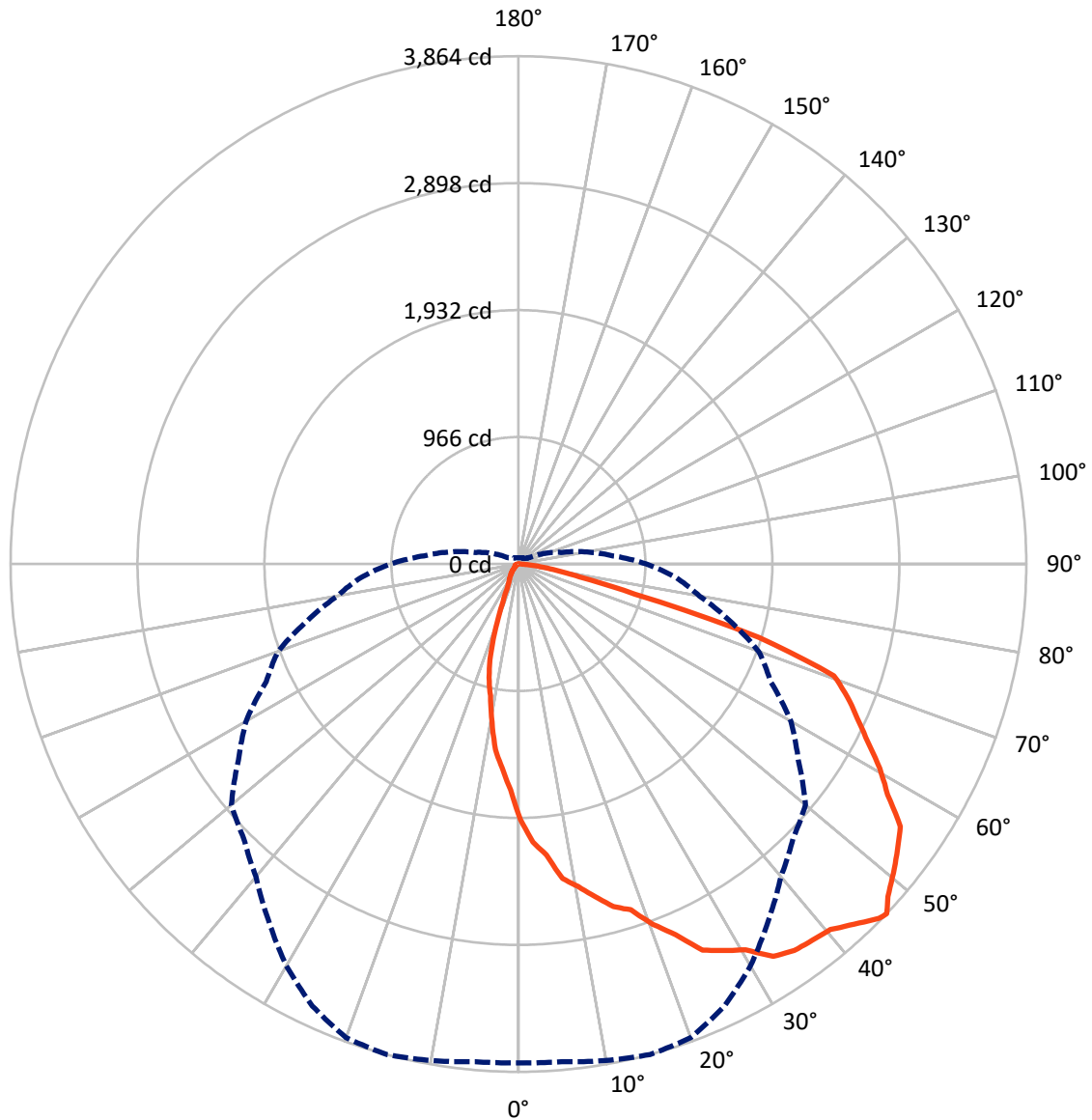
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.9 fc  
 Type IV - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral    - - - Horizontal Cone Through 46-Deg Vertical

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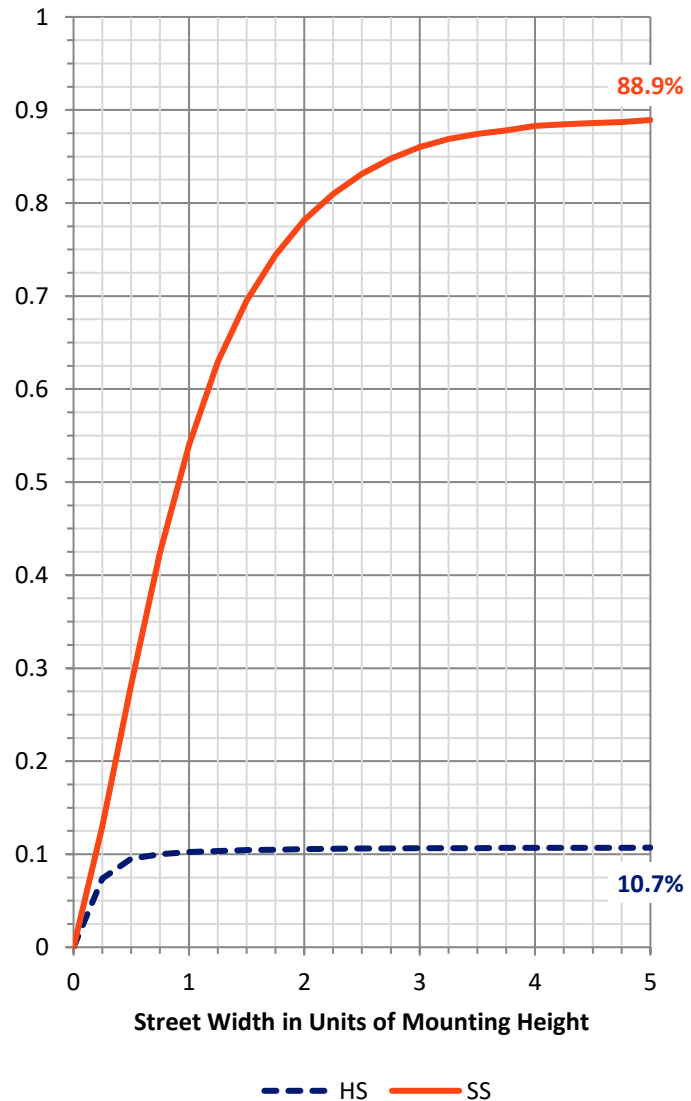
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	665.8	0.0	665.8
	% Fixture	10.9	0.0	10.9
<b>Street Side</b>	Lumens	5463.6	0.0	5463.6
	% Fixture	89.1	0.0	89.1
<b>Total</b>	Lumens	6129.4	0.0	6129.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	182.4	3.0
10°-20°	512.0	8.4
20°-30°	776.6	12.7
30°-40°	1008.5	16.5
40°-50°	1157.5	18.9
50°-60°	1123.0	18.3
60°-70°	903.6	14.7
70°-80°	423.4	6.9
80°-90°	42.3	0.7
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°	6129.4	100.0
0°-180°	6129.4	100.0



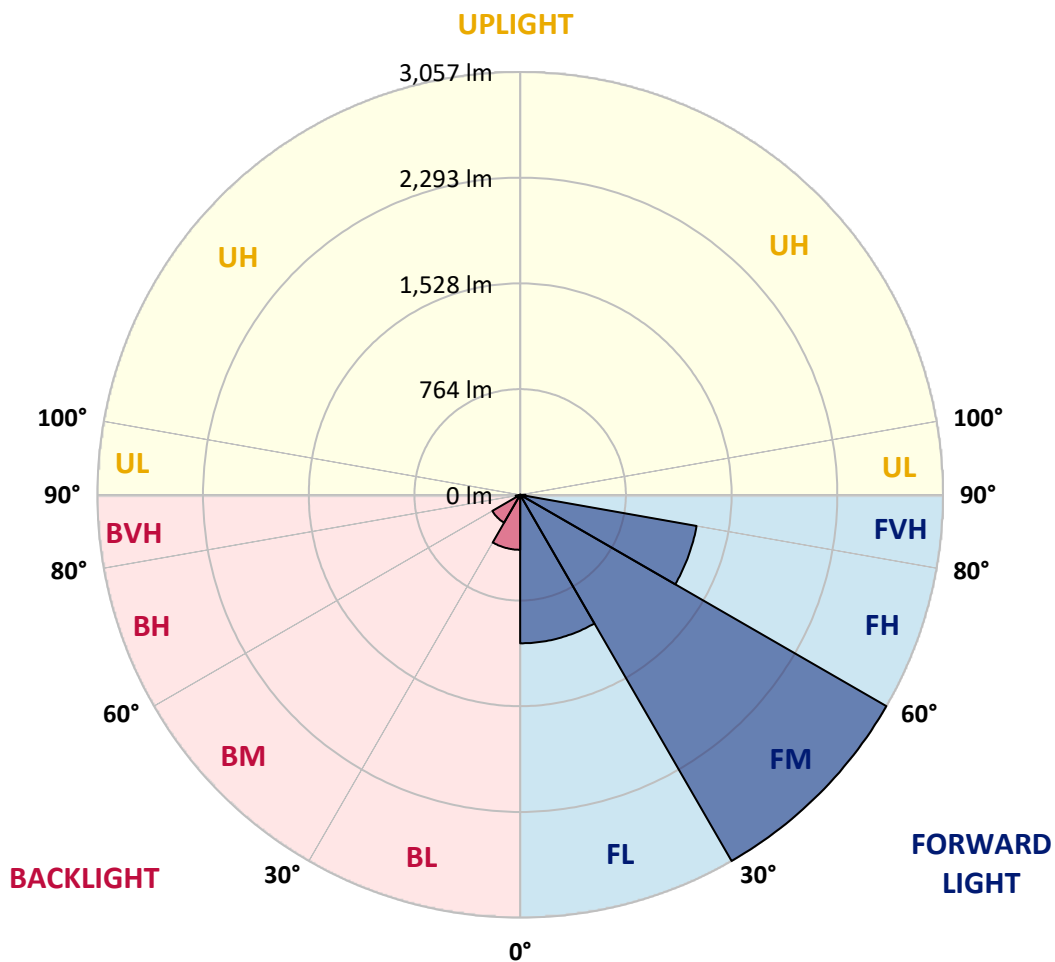
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1073.5	17.5			
FM	(30°-60°)	3056.7	49.9			
FH	(60°-80°)	1294.5	21.1			G1/1800
FVH	(80°-90°)	38.9	0.6			G1/100
BL	(0°-30°)	397.5	6.5	B1/500		
BM	(30°-60°)	232.3	3.8	B1/1000		
BH	(60°-80°)	32.5	0.5	B0/110		G0/110
BVH	(80°-90°)	3.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1946	1946	1946	1946	1946	1946	1946	1946	1946	1946	1946
2.5°	2132	2130	2111	2119	2121	2118	2097	2092	2072	2070	2052
5°	2248	2238	2218	2223	2227	2214	2192	2192	2180	2188	2176
7.5°	2421	2418	2409	2416	2428	2410	2383	2359	2306	2273	2230
10°	2515	2508	2492	2495	2490	2459	2426	2413	2399	2406	2374
12.5°	2618	2611	2597	2597	2595	2560	2535	2511	2471	2439	2402
15°	2724	2720	2706	2705	2700	2669	2635	2605	2557	2535	2479
17.5°	2799	2789	2770	2766	2763	2728	2705	2681	2635	2602	2535
20°	2991	2975	2945	2927	2913	2844	2769	2713	2674	2651	2586
22.5°	3180	3154	3110	3063	3031	2981	2926	2861	2736	2667	2613
25°	3312	3293	3262	3254	3242	3159	3037	2957	2878	2795	2639
27.5°	3400	3372	3342	3331	3316	3251	3191	3114	2973	2888	2777
30°	3538	3507	3451	3406	3386	3324	3270	3155	3080	2993	2841
32.5°	3655	3626	3593	3559	3531	3407	3328	3222	3099	3021	2933
35°	3684	3670	3645	3613	3586	3493	3427	3327	3137	3048	2929
37.5°	3664	3658	3638	3632	3621	3544	3457	3359	3230	3078	2943
40°	3728	3711	3694	3656	3620	3527	3455	3365	3225	3130	2962
42.5°	3804	3778	3767	3746	3704	3592	3445	3292	3185	3110	2960
45°	3848	3843	3849	3847	3805	3671	3503	3307	3105	3000	2893
46°	3795	3801	3836	3864	3835	3710	3531	3314	3107	2955	2851
47.5°	3706	3708	3734	3782	3833	3741	3560	3340	3101	2917	2739
50°	3559	3569	3615	3697	3732	3635	3515	3348	3120	2883	2615
52.5°	3477	3505	3553	3612	3615	3505	3421	3226	3078	2830	2514
55°	3294	3327	3446	3526	3508	3401	3333	3158	2954	2691	2365
57.5°	3118	3164	3256	3312	3300	3256	3248	3069	2844	2536	2151
60°	2986	3024	3098	3159	3174	3142	3068	2917	2676	2350	1989
62.5°	2826	2851	2919	2983	3126	3109	2991	2794	2433	2125	1786
65°	2532	2552	2665	2834	2969	2945	2856	2737	2332	1915	1607
67.5°	2291	2347	2573	2701	2725	2693	2591	2527	2315	1910	1510
70°	2218	2271	2442	2547	2525	2475	2343	2199	2035	1768	1417
72.5°	1712	1738	1894	1914	2052	2083	2101	1955	1740	1394	1149
75°	799	811	874	914	1012	1139	1279	1344	1253	1104	928
77.5°	445	447	469	475	490	504	529	549	539	562	602
80°	273	273	287	295	309	313	325	315	259	240	231
82.5°	158	159	165	166	182	182	188	178	145	133	116
85°	75	74	78	79	84	85	87	83	66	61	52
87.5°	16	16	17	17	18	18	19	19	16	15	13
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°	1946	1946	1946	1946	1946	1946	1946	1946	1946	1946	1946
2.5°	2044	2027	1990	1999	1969	1972	1946	1942	1909	1901	1886
5°	2170	2144	2089	2067	2010	1992	1951	1938	1896	1870	1827
7.5°	2209	2188	2147	2141	2061	2010	1948	1926	1872	1819	1755
10°	2307	2229	2157	2156	2094	2024	1933	1898	1831	1751	1676
12.5°	2387	2350	2210	2161	2101	2046	1923	1871	1790	1684	1619
15°	2412	2372	2312	2212	2094	2053	1919	1842	1745	1623	1557
17.5°	2478	2396	2310	2286	2098	2031	1908	1799	1686	1554	1468
20°	2502	2433	2306	2264	2118	1991	1882	1743	1615	1480	1372
22.5°	2537	2441	2328	2231	2135	1952	1843	1682	1539	1399	1279
25°	2558	2478	2323	2240	2093	1936	1793	1620	1462	1315	1191
27.5°	2587	2496	2346	2229	2052	1929	1731	1557	1381	1225	1107
30°	2707	2500	2347	2200	2029	1901	1661	1485	1295	1126	1000
32.5°	2739	2580	2319	2186	1984	1823	1591	1409	1203	1022	888
35°	2792	2596	2327	2147	1915	1748	1539	1337	1112	923	774
37.5°	2771	2604	2345	2085	1868	1692	1490	1267	1024	830	673
40°	2737	2585	2306	2065	1802	1617	1428	1189	934	739	569
42.5°	2716	2488	2280	2037	1717	1509	1337	1101	843	650	466
45°	2660	2429	2175	1974	1672	1429	1241	1009	754	563	374
46°	2600	2393	2117	1947	1661	1398	1207	973	719	529	340
47.5°	2546	2340	2058	1900	1622	1343	1156	924	666	474	293
50°	2356	2163	1930	1743	1546	1258	1054	846	579	395	226
52.5°	2169	1970	1789	1612	1435	1209	936	767	492	318	171
55°	1996	1764	1618	1473	1273	1115	830	672	405	245	129
57.5°	1821	1586	1421	1316	1120	999	714	560	330	184	98
60°	1643	1431	1231	1096	927	813	601	449	255	130	74
62.5°	1511	1272	1015	880	694	608	457	336	182	88	56
65°	1346	1101	816	633	507	389	334	224	119	55	45
67.5°	1153	889	653	434	324	239	208	138	77	38	35
70°	1012	711	474	347	202	167	118	83	46	30	29
72.5°	899	620	393	237	159	102	67	47	31	24	24
75°	720	563	346	196	111	62	41	28	23	20	19
77.5°	555	480	311	172	82	38	26	21	18	16	16
80°	222	239	188	123	55	25	18	16	14	13	12
82.5°	98	84	69	52	24	15	13	11	10	9	9
85°	43	34	24	18	11	10	9	9	8	8	7
87.5°	10	9	7	7	6	7	7	7	6	6	6
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°	1946	1946	1946	1946	1946	1946	1946	1946	1946	1946	1946
2.5°	1870	1860	1846	1838	1792	1794	1779	1760	1747	1732	1745
5°	1785	1756	1733	1723	1685	1682	1660	1633	1610	1585	1590
7.5°	1703	1678	1652	1622	1549	1534	1515	1498	1484	1459	1462
10°	1635	1588	1529	1502	1454	1433	1385	1341	1308	1270	1254
12.5°	1557	1482	1449	1416	1328	1278	1220	1158	1110	1066	1054
15°	1458	1412	1355	1276	1178	1098	1041	997	960	929	921
17.5°	1378	1321	1225	1126	1010	955	913	875	836	795	769
20°	1297	1194	1081	969	882	838	796	731	677	607	564
22.5°	1190	1069	930	841	778	714	644	553	486	416	370
25°	1071	924	807	741	658	565	477	384	322	269	237
27.5°	957	795	703	635	526	419	330	255	215	184	175
30°	825	678	607	514	398	292	223	178	162	151	147
32.5°	694	580	504	393	280	198	160	142	136	129	127
35°	582	494	398	287	195	144	129	121	116	111	110
37.5°	488	410	305	203	139	116	110	103	100	96	96
40°	407	328	225	143	107	98	93	88	86	83	82
42.5°	339	253	159	106	87	81	78	74	72	69	68
45°	274	188	114	82	71	66	64	61	59	56	56
46°	250	166	101	76	65	61	59	56	55	52	51
47.5°	215	136	84	67	58	54	52	49	48	45	45
50°	161	98	65	55	48	45	43	41	40	38	37
52.5°	119	73	53	46	40	38	36	35	34	32	32
55°	89	57	45	39	35	33	32	31	30	29	29
57.5°	68	48	40	37	33	32	31	30	29	28	28
60°	56	44	38	36	34	33	32	31	31	30	30
62.5°	46	40	36	35	33	33	32	32	31	31	30
65°	39	36	34	33	32	32	31	31	30	29	29
67.5°	33	31	30	30	29	29	28	28	28	27	27
70°	28	27	27	27	27	26	26	25	25	24	24
72.5°	23	24	24	24	24	23	23	23	22	22	21
75°	19	20	20	20	20	20	20	19	19	19	19
77.5°	15	16	16	16	16	16	16	16	16	15	15
80°	12	12	12	12	12	12	12	12	12	12	12
82.5°	9	9	9	9	9	9	9	9	9	8	9
85°	7	7	7	7	6	6	6	6	5	5	5
87.5°	6	5	5	5	5	4	4	4	3	3	3
90°	0	0	0	0	0	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1946	1946	1946	1946
2.5°	1719	1704	1723	1710
5°	1559	1540	1556	1540
7.5°	1424	1411	1414	1390
10°	1219	1203	1199	1169
12.5°	1024	1012	1009	984
15°	892	884	873	856
17.5°	726	710	692	670
20°	514	494	475	456
22.5°	328	310	295	283
25°	212	204	196	191
27.5°	166	161	160	158
30°	141	139	138	137
32.5°	123	120	120	119
35°	106	104	104	103
37.5°	93	91	90	89
40°	80	78	78	76
42.5°	66	65	65	63
45°	54	53	52	52
46°	50	48	48	48
47.5°	43	42	42	41
50°	36	35	35	34
52.5°	31	30	30	29
55°	27	27	26	26
57.5°	28	27	26	26
60°	29	28	28	27
62.5°	29	28	28	27
65°	28	28	27	26
67.5°	26	25	24	24
70°	23	22	22	21
72.5°	21	20	20	19
75°	18	17	17	16
77.5°	15	14	14	13
80°	12	11	11	11
82.5°	8	8	7	7
85°	5	4	4	4
87.5°	2	1	1	1
90°	0	0	0	0

(END OF REPORT)