

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

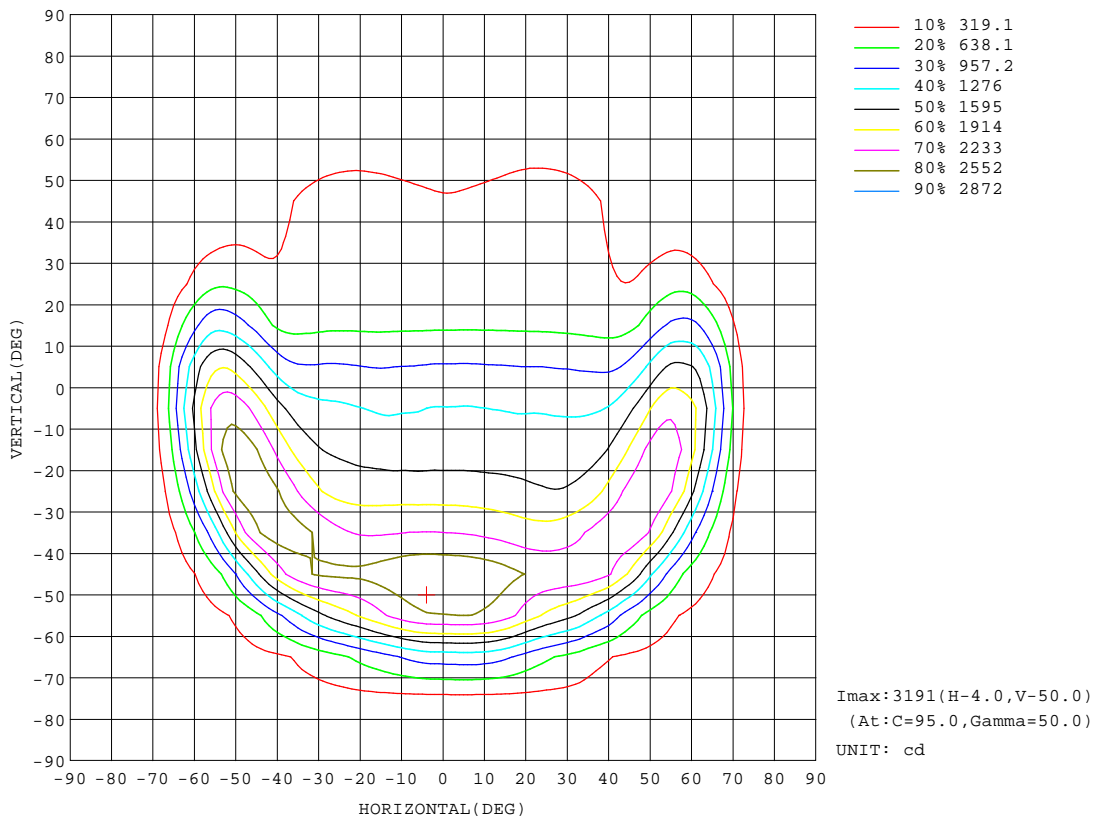
Maximum Intensity (Luminaire orientation as tested.)		661.1 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of I _{max} At 50% of I _{max} At 90% of I _{max}	120.6V x 114.0H 39.9V x 81.1H 7.6V x 36.3H
Beam Flux	Total To 10% of I _{max} To 50% of I _{max} To 90% of I _{max}	996.3 lumens per klm. 937.3 lumens per klm. 551.5 lumens per klm. 35.7 lumens per klm.
	Upward LOR Downward LOR	0.0 % 99.6 %
Luminaire Efficiency(Light Output Ratio)		100.0 %

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:14 January 2021

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:110.4V I:0.3967A P:43.78W PF:0.9584 Freq:59.81Hz Lamp Flux:4826.12x1 lm		
NAME: WPX-42W-MCTP-42W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

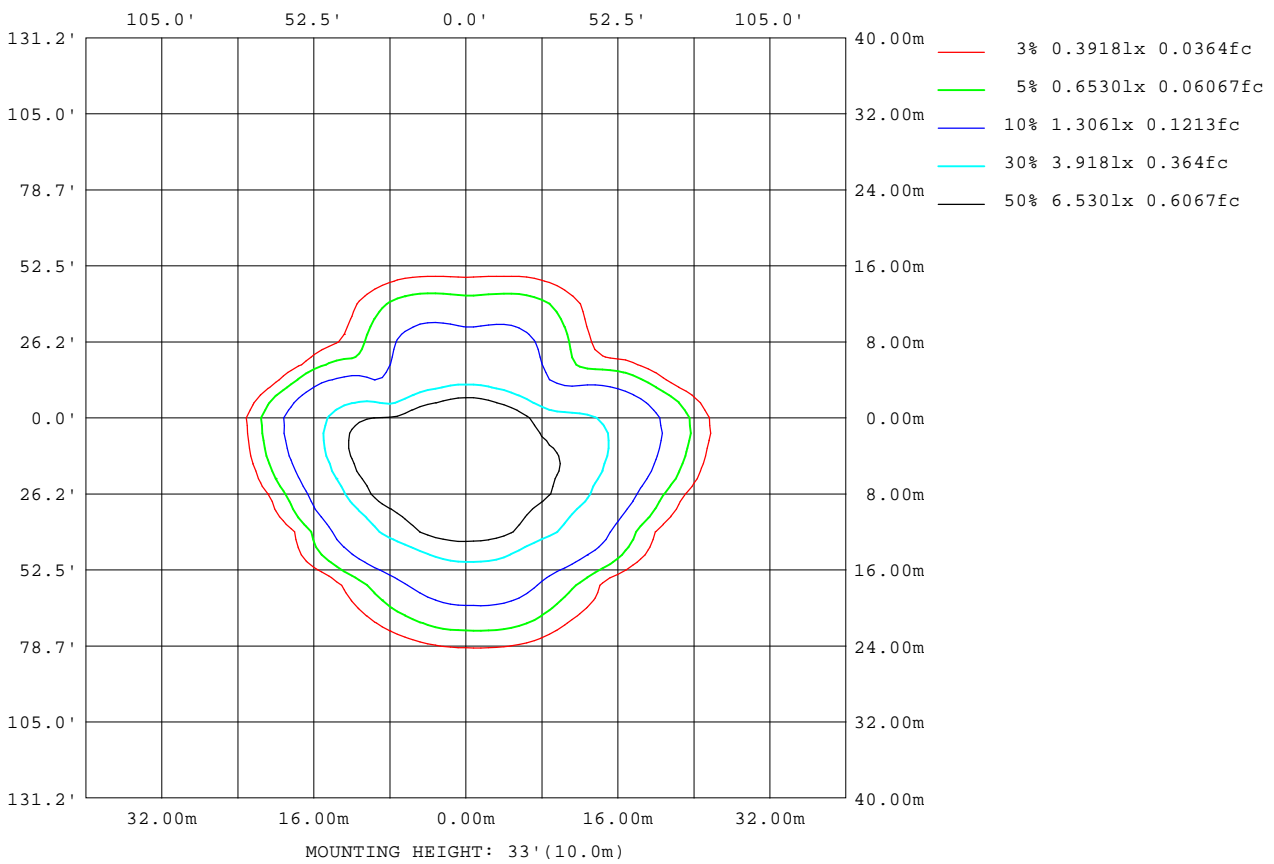


H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:14 January 2021

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

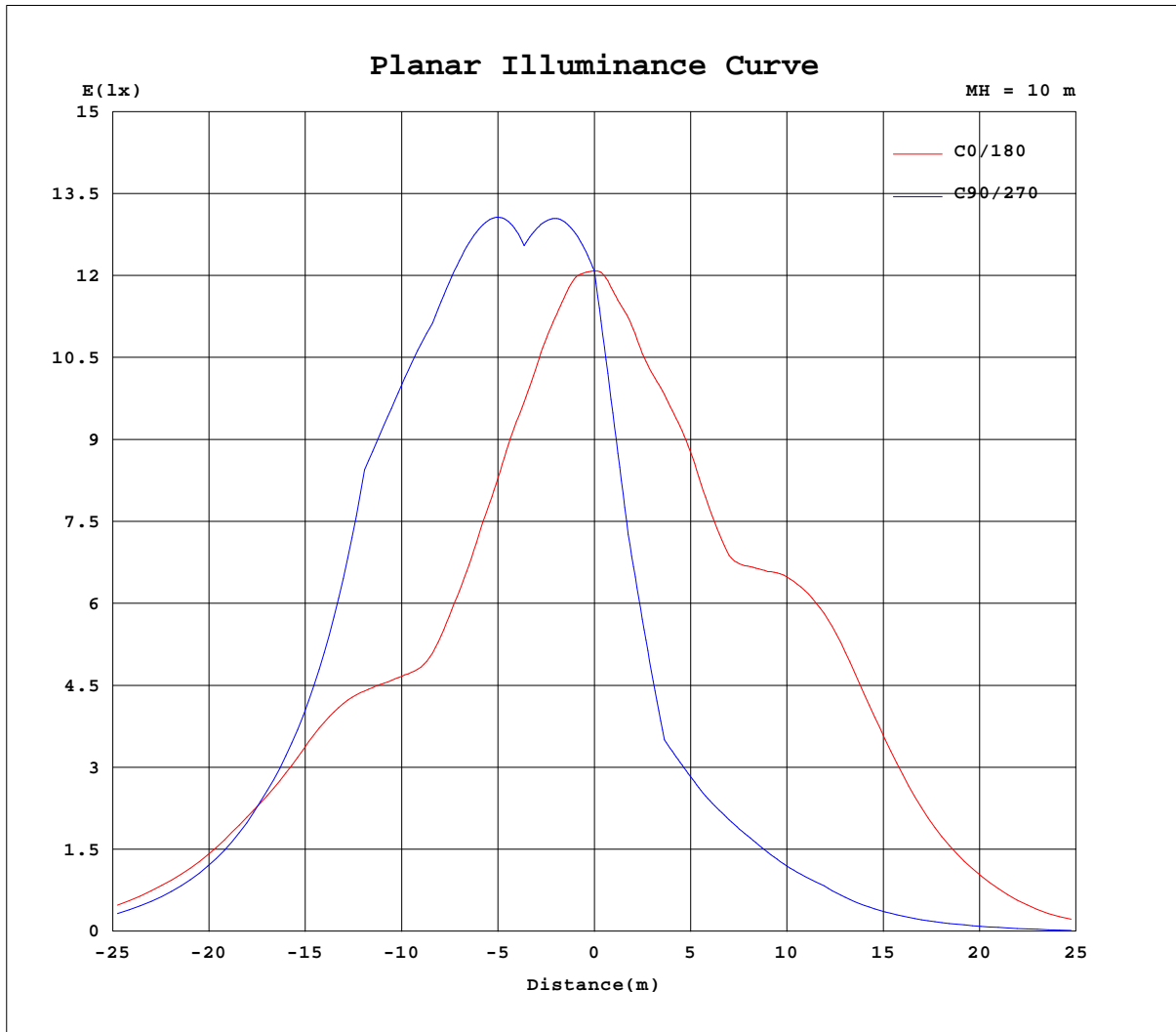
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 Remarks:

Planar Illuminance Curve



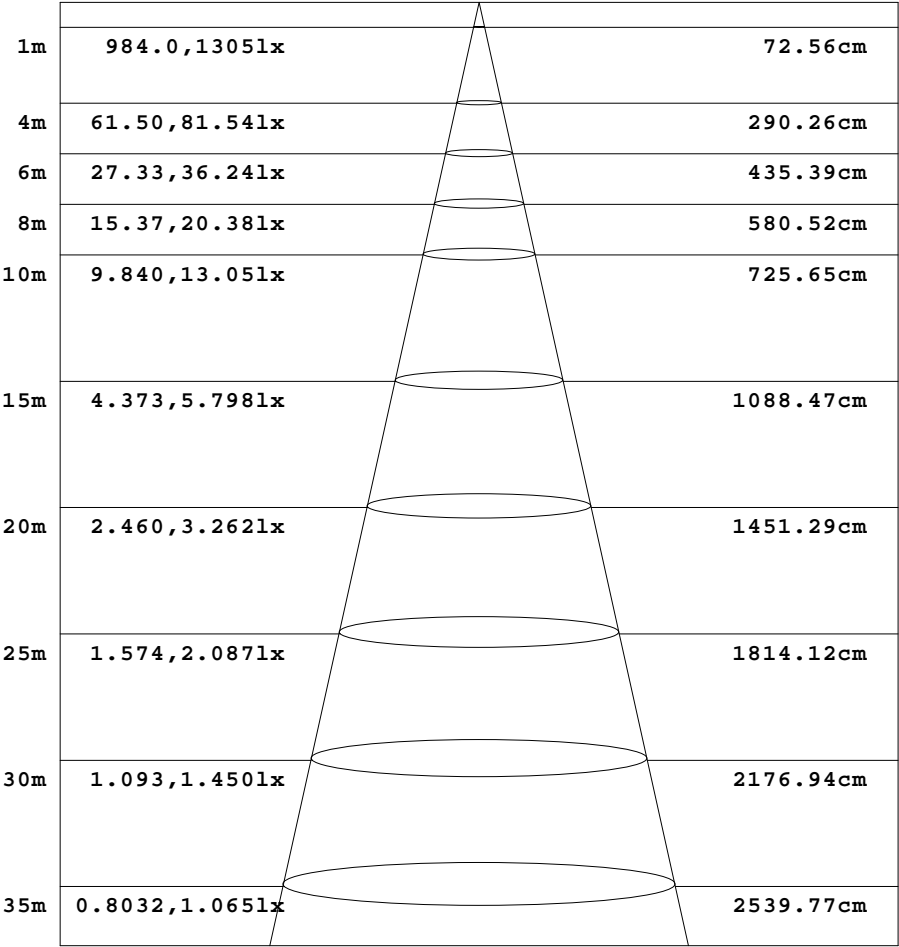
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AAI Figure

Test:U:110.4V I:0.3967A P:43.78W PF:0.9584 Freq:59.81Hz Lamp Flux:4826.12x1 lm		
NAME: WPX-42W-MCTP-42W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:409.5 lm



Height Eavg, Emax Angle:39.88deg Diameter

Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:14 January 2021

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:11.900m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:110.4V I:0.3967A P:43.78W PF:0.9584 Freq:59.81Hz Lamp Flux:4826.12x1 lm		
NAME: WPX-42W-MCTP-42W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

H(DEG) V(DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	25.0	32.2	39.4	44.5	48.5	51.6	56.3	65.7	75.4	85.9	96.5	110	121	132	145	156	161	165	169
-75	23.6	31.3	40.0	47.3	58.1	71.0	83.2	97.2	116	137	155	174	193	210	225	232	233	236	239
-70	22.3	30.4	40.6	50.2	67.7	90.3	110	129	156	187	213	239	264	287	304	308	305	306	309
-65	20.7	28.2	39.5	56.2	83.8	115	143	169	200	235	272	356	467	581	710	838	968	1074	1107
-60	19.1	26.1	38.3	62.2	99.8	140	176	210	245	283	331	473	670	875	1116	1368	1631	1841	1905
-55	17.7	24.2	37.2	69.1	114	160	204	257	363	575	889	1213	1514	1747	1951	2174	2378	2514	2543
-50	16.3	22.3	36.0	75.9	129	179	232	304	481	867	1447	1953	2358	2620	2787	2979	3124	3188	3182
-45	15.6	21.6	37.8	79.7	136	198	312	541	958	1525	2065	2418	2587	2623	2635	2706	2789	2835	2829
-40	15.0	21.0	39.5	83.5	144	217	392	777	1435	2184	2683	2882	2815	2627	2483	2433	2453	2482	2477
-35	15.2	21.4	42.3	85.0	146	299	631	1175	1927	2493	2736	2687	2486	2298	2209	2201	2226	2241	2234
-30	15.3	21.8	45.2	86.6	149	380	870	1573	2419	2803	2789	2492	2157	1968	1935	1969	1999	2000	1991
-25	15.7	22.4	48.3	87.7	165	488	1116	1931	2608	2775	2580	2228	1946	1803	1762	1762	1761	1754	1752
-20	16.1	22.9	51.3	88.8	182	597	1362	2288	2798	2748	2371	1965	1735	1637	1589	1555	1522	1507	1512
-15	16.2	22.9	51.6	89.0	204	699	1516	2372	2726	2564	2156	1809	1614	1536	1484	1446	1427	1426	1438
-10	16.3	22.8	51.9	89.2	226	801	1670	2456	2655	2380	1940	1652	1493	1435	1380	1337	1332	1345	1364
-5	15.9	21.9	50.8	88.7	238	848	1666	2324	2424	2107	1709	1453	1358	1327	1282	1247	1254	1269	1286
0	15.4	21.1	49.7	88.1	250	895	1662	2191	2193	1835	1479	1253	1223	1219	1184	1158	1176	1192	1209
5	14.2	18.9	46.4	83.1	213	759	1426	1865	1813	1488	1144	986	982	985	964	947	960	973	985
10	13.0	16.8	43.1	78.0	177	623	1191	1538	1434	1141	810	719	740	752	744	736	745	753	760
15	12.0	15.0	39.5	73.3	143	437	882	1177	1089	856	594	546	570	584	582	579	584	588	592
20	11.1	13.1	35.9	68.6	110	251	573	816	744	572	378	373	399	417	420	421	423	423	423
25	11.5	13.0	33.1	65.8	101	191	396	581	569	445	347	362	393	416	425	425	419	410	402
30	11.8	12.8	30.2	63.1	92.0	130	220	347	393	319	317	350	387	415	429	428	416	397	381
35	13.2	14.3	29.6	60.3	87.8	120	174	256	303	282	306	357	406	435	444	435	414	391	372
40	14.6	15.8	28.9	57.5	83.5	110	128	166	214	244	295	364	424	455	458	442	413	384	362
45	16.2	17.5	28.0	52.1	77.5	96.5	114	147	188	220	268	333	388	419	426	411	384	358	339
50	17.7	19.2	27.1	46.7	71.4	83.4	99.5	129	163	196	240	302	352	383	394	380	354	332	316
55	19.0	20.6	26.8	41.6	58.7	67.3	79.0	103	127	153	187	226	254	274	279	271	257	245	237
60	20.3	22.0	26.6	36.4	46.0	51.3	58.6	76.5	90.4	110	133	150	156	164	165	161	160	159	158
65	21.1	22.6	26.2	30.6	36.2	37.9	40.8	50.7	58.1	69.0	79.5	90.0	92.2	94.8	93.3	88.6	87.4	86.6	86.3
70	22.0	23.2	25.7	24.7	26.3	24.6	23.1	24.9	25.8	28.2	25.6	30.4	28.0	25.3	21.6	16.0	15.0	14.6	14.3
75	22.2	22.9	24.1	22.5	22.0	19.9	18.6	19.2	19.6	20.9	19.8	22.3	21.2	19.9	18.0	15.2	14.6	14.4	14.2
80	22.4	22.7	22.6	20.3	17.6	15.3	14.1	13.6	13.5	13.7	14.0	14.3	14.4	14.5	14.4	14.4	14.2	14.1	14.1
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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H_(b) Interval: 1.0DEG
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Table--2

UNIT: cd

H(DEG) V(DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-80	171	170	165	158	150	140	130	120	109	99.4	87.6	78.4	65.7	61.1	58.7	53.6	46.0	33.3
-75	240	238	236	232	228	220	200	184	169	151	131	117	101	84.7	67.9	54.8	44.9	31.9
-70	308	307	307	306	306	301	271	249	229	204	174	156	137	108	77.0	56.1	43.8	30.5
-65	1125	1101	1006	843	684	572	431	331	273	241	214	193	168	134	93.3	59.0	40.7	28.7
-60	1942	1895	1706	1380	1061	842	591	414	316	278	253	230	200	160	110	61.9	37.5	26.8
-55	2555	2511	2355	2098	1860	1683	1439	1156	802	531	361	271	225	179	123	65.9	34.4	25.2
-50	3168	3128	3005	2815	2659	2524	2287	1899	1288	785	469	312	251	198	137	70.0	31.4	23.5
-45	2810	2761	2666	2547	2485	2477	2431	2266	1867	1328	856	513	332	212	140	72.6	29.7	22.1
-40	2452	2395	2326	2280	2311	2431	2574	2633	2446	1871	1244	715	413	227	144	75.2	28.1	20.7
-35	2215	2171	2111	2046	2029	2102	2262	2439	2482	2203	1656	1062	591	276	145	78.3	28.7	19.7
-30	1979	1947	1897	1812	1746	1773	1950	2246	2518	2536	2068	1409	769	326	145	81.3	29.4	18.6
-25	1748	1729	1703	1657	1613	1622	1744	2008	2333	2520	2252	1672	957	400	147	82.7	29.2	17.6
-20	1516	1511	1509	1502	1479	1472	1539	1771	2148	2503	2435	1936	1145	475	149	84.1	29.0	16.6
-15	1443	1434	1426	1421	1409	1402	1445	1613	1946	2325	2402	2019	1286	550	158	84.7	29.2	15.6
-10	1369	1356	1343	1340	1339	1332	1351	1455	1744	2148	2369	2102	1427	624	167	85.4	29.4	14.6
-5	1292	1277	1264	1254	1252	1243	1243	1295	1532	1903	2171	1993	1408	628	168	84.2	28.3	13.7
0	1214	1198	1185	1168	1166	1155	1135	1134	1321	1658	1973	1885	1389	632	169	83.0	27.2	12.7
5	989	978	970	957	954	941	919	908	1041	1343	1639	1608	1200	552	156	80.5	26.5	12.1
10	763	759	754	746	742	727	703	681	760	1028	1305	1331	1011	471	143	77.9	25.8	11.4
15	594	593	590	584	578	564	542	519	562	771	1002	1028	740	344	125	72.7	22.5	11.5
20	425	427	426	423	414	401	381	357	364	515	700	724	470	216	108	67.6	19.1	11.6
25	406	416	422	423	414	396	369	336	321	396	525	516	328	173	101	63.1	19.2	12.4
30	388	405	418	423	413	390	358	315	278	276	351	308	187	129	94.7	58.6	19.3	13.3
35	379	399	420	432	427	406	367	313	264	240	265	226	155	117	90.2	55.3	20.7	15.2
40	371	394	421	442	440	422	376	311	249	204	180	143	123	105	85.6	52.0	22.1	17.1
45	347	370	397	419	419	400	356	291	229	187	160	127	108	94.1	80.1	50.4	24.1	19.5
50	324	345	372	397	398	378	335	271	208	170	141	111	92.2	83.1	74.5	48.7	26.1	21.9
55	243	256	273	289	291	278	253	211	168	139	118	92.1	75.3	70.0	64.2	43.9	26.9	23.3
60	161	166	173	182	184	177	171	150	128	108	95.3	73.5	58.4	57.0	53.8	39.2	27.7	24.7
65	87.9	90.5	94.3	102	105	104	100	90.3	77.5	68.1	61.2	51.0	43.4	44.7	43.2	32.9	27.2	24.9
70	14.4	14.8	15.5	23.0	26.0	30.2	30.4	30.0	27.3	28.2	27.2	28.4	28.5	32.4	32.5	26.6	26.7	25.0
75	14.2	14.5	14.9	18.8	20.5	22.6	22.8	22.6	21.2	21.6	21.0	21.7	22.0	24.5	25.5	23.8	25.0	24.3
80	14.1	14.2	14.4	14.6	14.9	15.1	15.1	15.1	15.0	14.9	14.9	15.1	15.6	16.7	18.5	21.1	23.4	23.7
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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