

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity		1907.2 cd per klm.
(Luminaire orientation as tested.)		0.0 degrees vertical
		0.0 degrees horizontal

Beam Spread	At 10% of Imax	78.6V x 78.8H
	At 50% of Imax	32.6V x 31.2H
	At 90% of Imax	8.3V x 11.5H

Beam Flux	Total	999.7 lumens per klm.
	To 10% of Imax	814.3 lumens per klm.
	To 50% of Imax	315.7 lumens per klm.
	To 90% of Imax	33.2 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.0 %

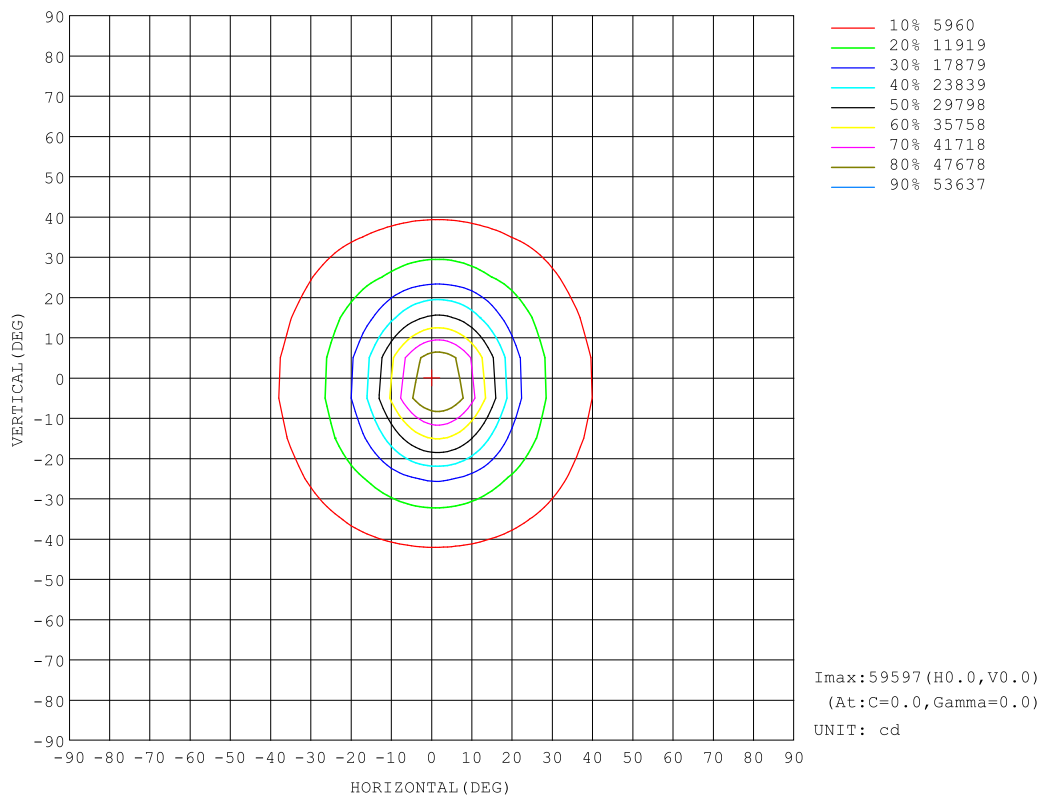
Luminaire Efficiency (Light Output Ratio)	100.0 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:27 July 2020

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:221.9V I:1.111A P:241.0W PF:0.9782 Freq:49.90Hz Lamp Flux:31248.5x1 lm		
NAME: RK-FL240W-07-G11-30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

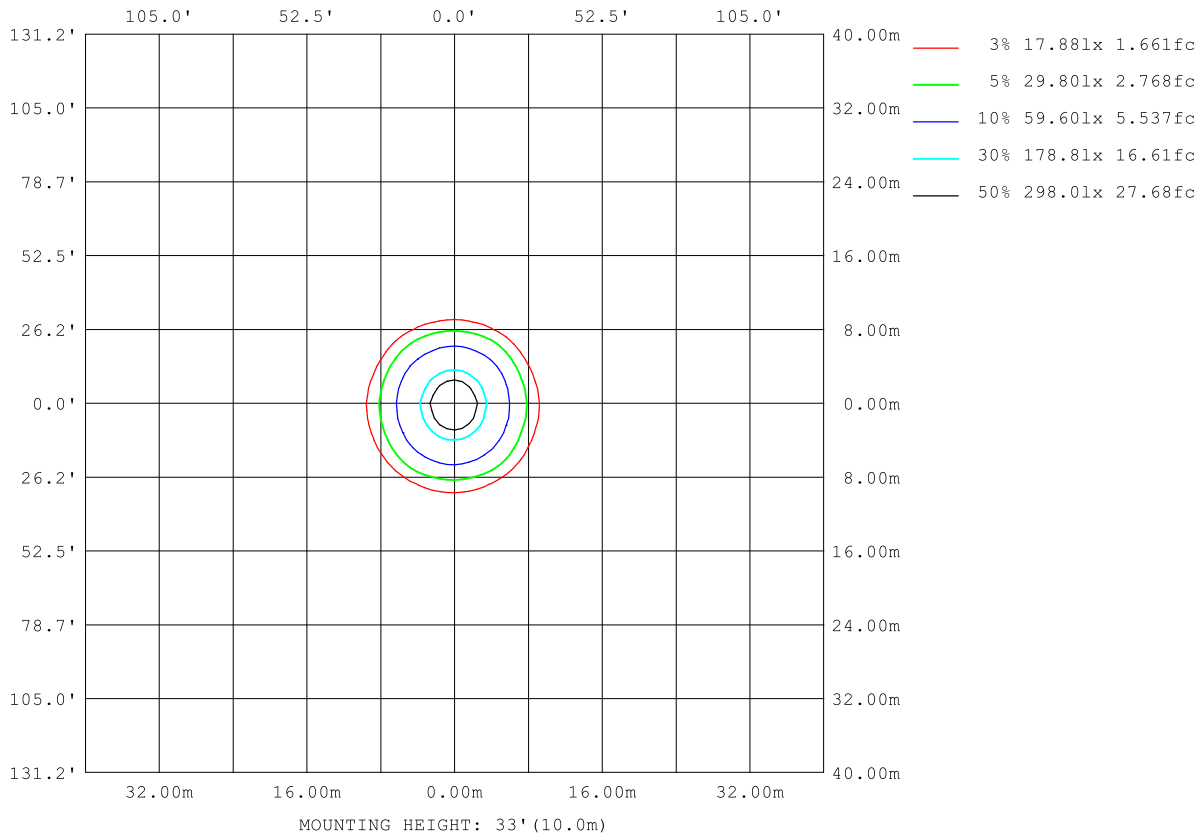


H(β) Range: -90 - 90DEG
 H(β) Interval: 1.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 27 July 2020

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

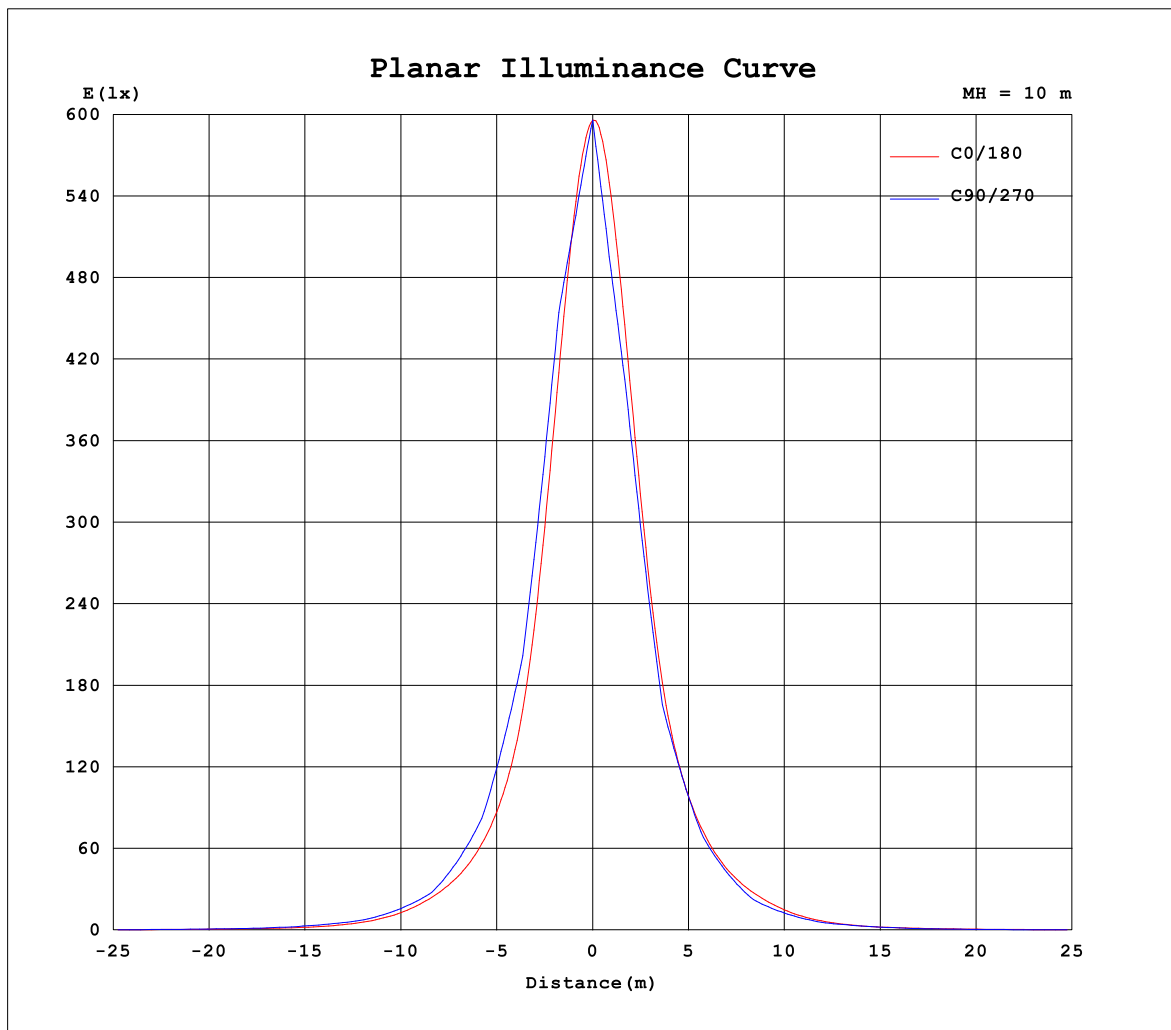
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Test Date:27 July 2020

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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:

Planar Illuminance Curve



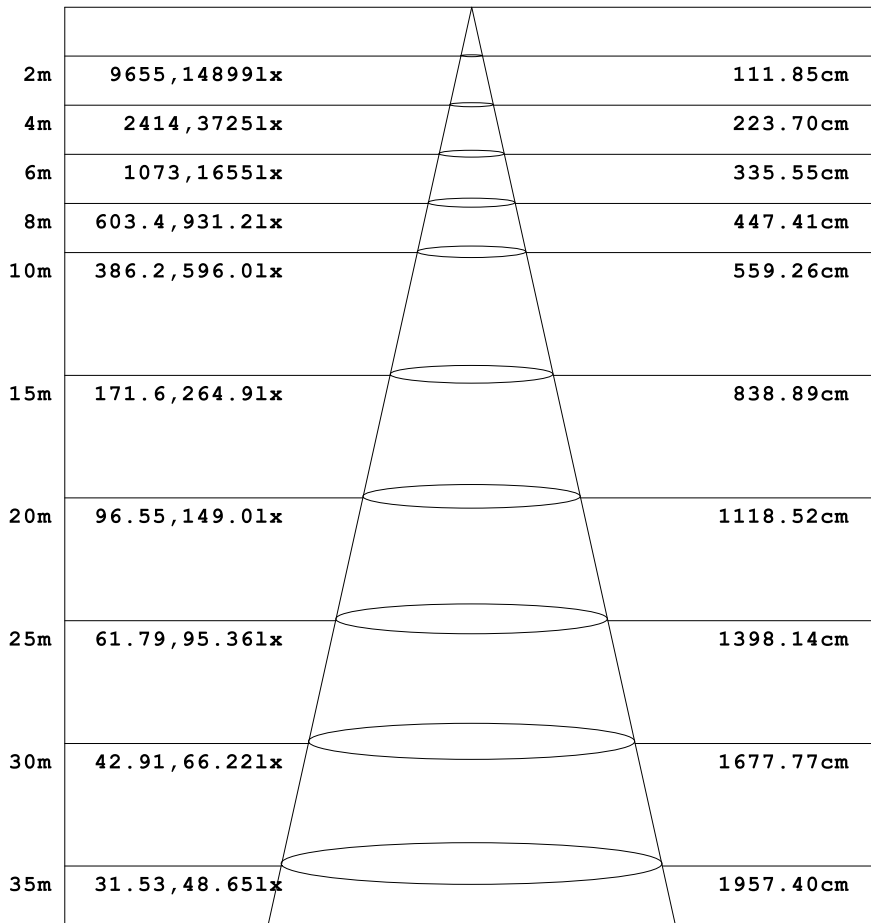
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Remarks:

AAI Figure

Test:U:221.9V I:1.111A P:241.0W PF:0.9782 Freq:49.90Hz Lamp Flux:31248.5x1 lm		
NAME: RK-FL240W-07-G11-30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Flux out:9976 lm



Height Eavg, Emax Angle:31.25deg Diameter

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

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Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:27 July 2020

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

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NAME: RK-FL240W-07-G11-30D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

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	7.39	8.31	9.07	9.66	10.3	10.9	11.6	12.4	13.2	14.1	14.8	15.6	16.3	17.0	17.5	17.9	18.3	18.6	18.8
-75	7.42	8.09	9.31	10.5	11.9	13.6	15.6	17.8	20.2	22.7	25.2	27.4	29.6	31.6	33.4	34.9	36.3	37.4	38.0
-70	7.70	8.95	10.4	12.3	14.8	17.8	21.3	25.0	29.2	33.4	37.3	40.9	44.5	47.7	50.5	53.0	55.3	56.8	57.5
-65	7.49	8.28	10.2	12.8	16.5	20.9	26.1	31.8	38.2	44.7	51.1	57.2	63.1	68.9	74.4	79.5	83.7	86.7	88.3
-60	7.60	9.15	11.8	16.1	21.5	27.9	35.4	43.6	52.4	61.0	70.0	78.2	86.4	94.6	103	109	115	118	119
-55	7.33	8.15	11.0	15.7	22.1	29.9	39.0	49.3	60.7	72.8	85.5	99.2	115	132	152	171	187	198	203
-50	7.37	9.13	13.3	20.0	28.6	38.9	50.6	64.0	78.7	94.5	112	132	156	185	218	246	269	284	287
-45	6.94	7.65	11.5	18.5	28.0	39.2	52.4	67.8	85.4	107	136	172	216	268	327	377	415	442	453
-40	6.71	8.75	14.6	24.2	36.0	49.7	66.1	85.1	108	140	187	245	314	398	478	541	586	612	618
-35	6.09	6.68	11.7	21.0	33.5	48.2	65.4	86.4	114	160	226	309	408	529	652	754	842	911	943
-30	5.57	7.82	15.3	27.2	42.3	59.7	80.6	107	151	228	335	449	594	761	911	1040	1159	1246	1268
-25	5.01	5.53	11.6	22.9	38.0	55.7	76.8	104	150	234	348	482	649	850	1055	1265	1508	1732	1848
-20	4.53	7.00	15.8	29.9	47.1	67.6	92.3	130	207	325	469	639	859	1105	1359	1679	2050	2345	2433
-15	4.15	4.62	11.4	24.1	41.0	60.8	84.7	118	187	303	456	630	851	1129	1466	1948	2604	3233	3577
-10	3.85	6.29	15.8	31.0	50.2	72.1	99.6	149	248	398	577	780	1054	1405	1909	2713	3698	4488	4758
-5	3.55	3.96	11.0	24.3	42.1	62.9	88.3	126	208	343	520	713	961	1298	1781	2576	3665	4708	5321
0	3.30	5.74	15.4	31.0	50.3	73.0	101	155	261	424	613	823	1114	1527	2197	3268	4525	5564	5960
5	3.13	3.47	10.2	23.3	40.8	61.2	86.0	122	202	334	507	697	941	1270	1727	2465	3469	4436	5011
10	2.99	5.16	14.1	28.7	47.1	68.2	94.5	140	233	376	548	746	1010	1335	1764	2427	3239	3901	4139
15	2.92	3.19	9.29	21.2	37.1	55.9	78.5	109	171	279	423	588	799	1059	1353	1744	2266	2769	3050
20	2.87	4.79	12.7	25.6	41.5	60.4	83.5	116	184	291	425	583	788	1010	1218	1457	1723	1932	2000
25	2.95	3.16	8.25	18.4	32.0	48.3	67.5	91.2	130	203	305	428	579	759	935	1098	1275	1436	1522
30	3.02	4.51	10.8	21.3	34.7	50.5	68.9	91.2	126	191	279	385	512	655	779	878	966	1032	1051
35	3.20	3.34	7.17	15.1	25.9	38.9	53.9	71.3	93.5	130	184	255	340	442	546	628	696	748	775
40	3.36	4.40	9.01	17.0	27.0	38.6	52.2	67.6	85.1	108	144	190	245	315	382	435	472	493	499
45	3.55	3.63	6.22	11.8	19.7	29.0	39.9	52.4	66.3	81.9	103	131	164	206	254	295	327	349	359
50	3.70	4.31	7.23	12.5	19.5	27.8	37.5	48.0	59.2	70.9	83.1	97.3	114	136	161	183	203	216	219
55	3.91	3.95	5.46	8.84	13.9	20.1	27.2	35.5	44.3	53.4	62.5	72.1	83.1	95.6	111	126	139	148	153
60	4.08	4.41	5.92	8.86	12.9	17.8	23.6	29.8	36.6	43.1	49.4	55.3	61.3	67.8	73.6	79.0	83.1	85.8	86.6
65	4.30	4.32	5.06	6.64	9.14	12.4	16.1	20.4	25.1	29.9	34.6	39.0	43.3	47.5	51.8	55.5	58.7	61.0	62.2
70	4.52	4.65	5.21	6.26	7.80	9.70	12.0	14.6	17.6	20.6	23.5	26.2	28.8	31.0	33.0	34.7	36.3	37.5	37.9
75	4.73	4.73	4.95	5.45	6.22	7.22	8.41	9.79	11.3	13.0	14.6	16.1	17.5	18.8	20.0	21.0	21.9	22.6	23.0
80	4.93	4.93	5.02	5.20	5.40	5.63	5.86	6.11	6.38	6.64	6.89	7.13	7.37	7.59	7.79	7.95	8.09	8.19	8.25
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

H(β) Range:-90 - 90DEG
H(β) Interval: 1.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:27 July 2020

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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:221.9V I:1.111A P:241.0W PF:0.9782 Freq:49.90Hz Lamp Flux:31248.5x1 lm		
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SPEC.:	DIM.:	SERIAL No.:1
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

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	18.7	18.4	18.0	17.7	17.1	16.5	15.9	15.2	14.5	13.7	12.8	12.1	11.3	10.6	9.94	9.41	8.72	7.79
-75	38.0	37.3	36.2	34.7	33.2	31.4	29.4	27.3	25.2	22.9	20.5	18.1	15.9	13.9	12.2	10.8	9.71	8.50
-70	56.9	55.4	53.2	50.6	47.8	44.7	41.3	37.9	34.2	30.3	26.1	22.3	18.8	15.7	13.2	11.2	9.74	8.46
-65	88.0	85.9	82.4	77.9	72.9	67.4	61.7	56.0	50.4	44.4	38.1	32.0	26.1	21.1	16.8	13.3	10.9	9.08
-60	118	114	108	101	93.6	85.5	77.5	69.7	61.8	53.6	45.1	37.1	29.2	22.8	17.4	13.2	10.4	8.86
-55	201	193	179	161	142	124	108	95.0	82.7	71.2	59.9	48.8	38.7	30.0	22.5	16.2	11.9	9.47
-50	280	261	235	206	175	149	128	110	94.4	79.7	65.6	52.5	41.0	30.9	22.2	15.4	11.0	9.17
-45	448	427	393	348	294	237	191	154	124	101	82.6	66.3	52.0	39.5	28.4	19.3	12.8	9.54
-40	603	569	516	448	367	286	223	173	133	106	86.1	68.3	52.6	39.1	26.8	17.2	11.0	8.99
-35	928	871	789	694	584	459	348	262	192	139	105	83.0	64.3	47.9	33.6	21.7	13.1	9.08
-30	1216	1112	989	856	702	538	401	292	204	140	105	82.1	62.1	45.2	30.4	18.4	10.5	8.35
-25	1805	1615	1364	1134	934	731	544	401	283	190	129	96.3	73.8	54.4	37.7	23.3	13.0	8.33
-20	2270	1920	1545	1249	1004	767	563	411	281	182	122	91.5	69.1	49.8	32.6	18.8	9.95	7.67
-15	3485	2985	2285	1670	1260	960	709	522	368	240	152	106	80.2	58.7	40.2	24.3	12.6	7.62
-10	4381	3504	2487	1718	1262	940	691	507	345	217	136	97.8	73.3	52.3	34.0	19.0	9.50	7.09
-5	5168	4344	3194	2149	1484	1084	799	593	420	269	166	111	83.2	60.7	41.3	24.4	12.2	6.96
0	5423	4294	2995	1956	1348	980	725	537	365	227	140	99.3	74.1	53.1	34.2	18.6	8.83	6.45
5	4876	4114	3052	2084	1454	1065	785	583	411	262	162	109	81.3	59.2	40.0	23.4	11.4	6.25
10	3839	3114	2272	1625	1213	905	667	488	329	206	129	93.4	69.8	49.5	31.8	17.2	7.95	5.72
15	2989	2599	2043	1544	1189	907	670	493	345	223	140	98.4	74.3	54.0	36.3	21.1	10.1	5.43
20	1895	1654	1381	1148	929	707	519	377	255	163	109	82.4	61.8	43.9	27.8	14.9	6.61	4.86
25	1497	1368	1191	1016	845	658	488	359	251	166	112	84.1	63.8	46.4	31.0	17.8	8.38	4.52
30	1016	945	856	749	612	466	347	250	172	117	88.6	69.0	51.3	36.2	22.8	12.1	5.18	4.01
35	766	727	667	591	495	386	292	218	157	113	85.7	67.4	51.4	37.2	24.7	14.2	6.72	3.80
40	490	465	422	362	290	224	174	133	103	83.1	67.2	52.9	39.8	28.0	17.7	9.37	4.20	3.53
45	356	341	313	275	228	183	147	118	94.4	76.8	62.8	50.2	38.6	27.9	18.6	10.8	5.50	3.53
50	212	197	176	153	128	110	95.2	81.9	70.6	59.0	48.1	38.0	28.6	20.1	12.9	7.25	3.89	3.54
55	151	144	133	119	103	90.2	79.5	69.6	60.7	51.8	42.9	34.5	26.5	19.4	13.2	8.10	4.85	3.69
60	85.3	82.2	78.0	72.8	67.2	61.5	55.7	50.0	44.0	37.7	30.9	24.6	18.6	13.4	9.09	5.86	4.04	3.86
65	61.9	60.3	57.7	54.5	50.9	47.1	43.0	38.9	34.7	30.1	25.2	20.5	16.1	12.2	8.87	6.26	4.67	4.12
70	37.4	36.4	35.0	33.4	31.6	29.4	27.0	24.5	21.8	18.9	15.7	12.9	10.4	8.19	6.38	5.17	4.48	4.39
75	23.0	22.5	21.9	21.1	20.2	19.1	17.8	16.4	15.0	13.4	11.7	10.1	8.62	7.28	6.17	5.33	4.81	4.61
80	8.26	8.22	8.15	8.04	7.90	7.72	7.49	7.25	6.98	6.68	6.36	6.03	5.73	5.45	5.19	5.02	4.86	4.84
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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