

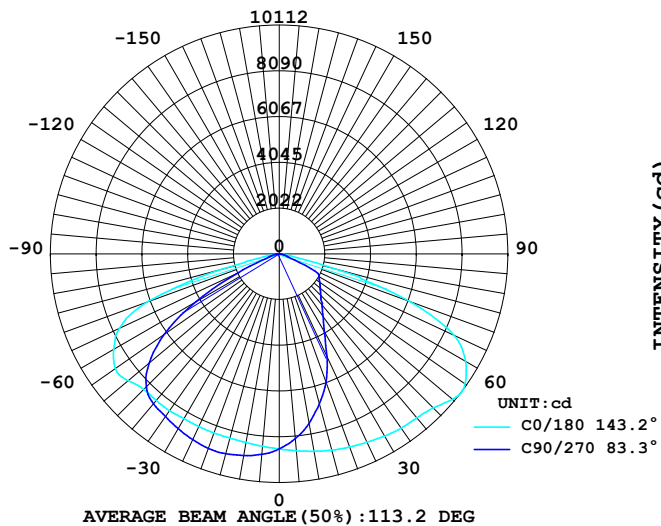
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

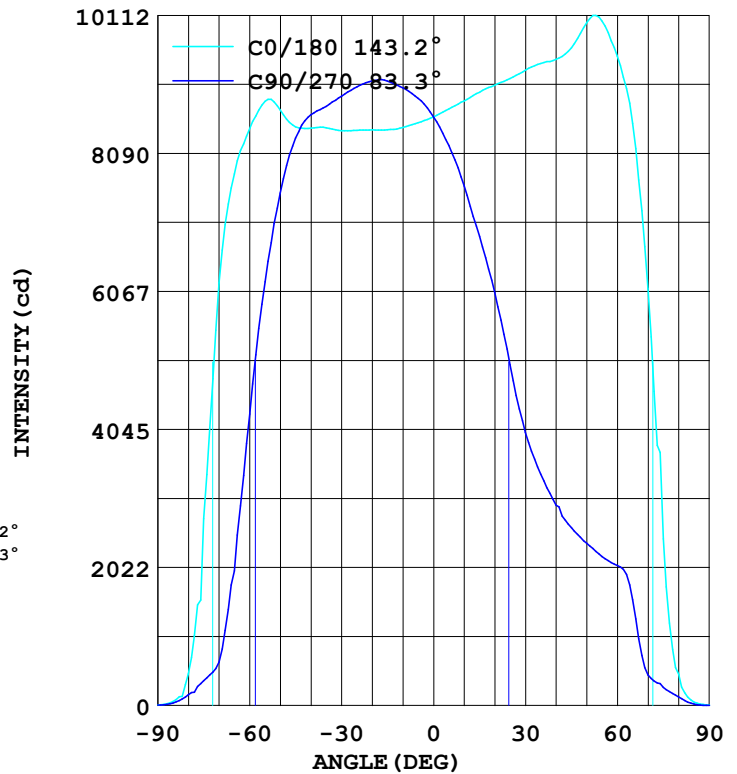
MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL240-A29N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 80X150deg	SERIAL No.:

DATA OF LAMP		Imax(cd)	10606	S/MH(C0/180)	1.51
MODEL		EFFICIENCY(%)	100.0	S/MH(C90/270)	1.55
NOMINAL POWER(W)	240	TOTAL FLUX(lm)	28103	Voltage(V)	230.1
RATED VOLTAGE(V)	230	EFFICIENCY(lm/W)	115.7	Current(A)	1.080
NOMINAL FLUX(lm)	28103.5	$\eta$ up(%)	0.0	Power(W)	242.8
LAMPS QUANTITY	1	$\eta$ down(%)	100.0	Power Factor(PF)	0.975
TEST VOLTAGE(V)	230.1	Effective Flux(lm)	28103.4	EEL	0.130

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



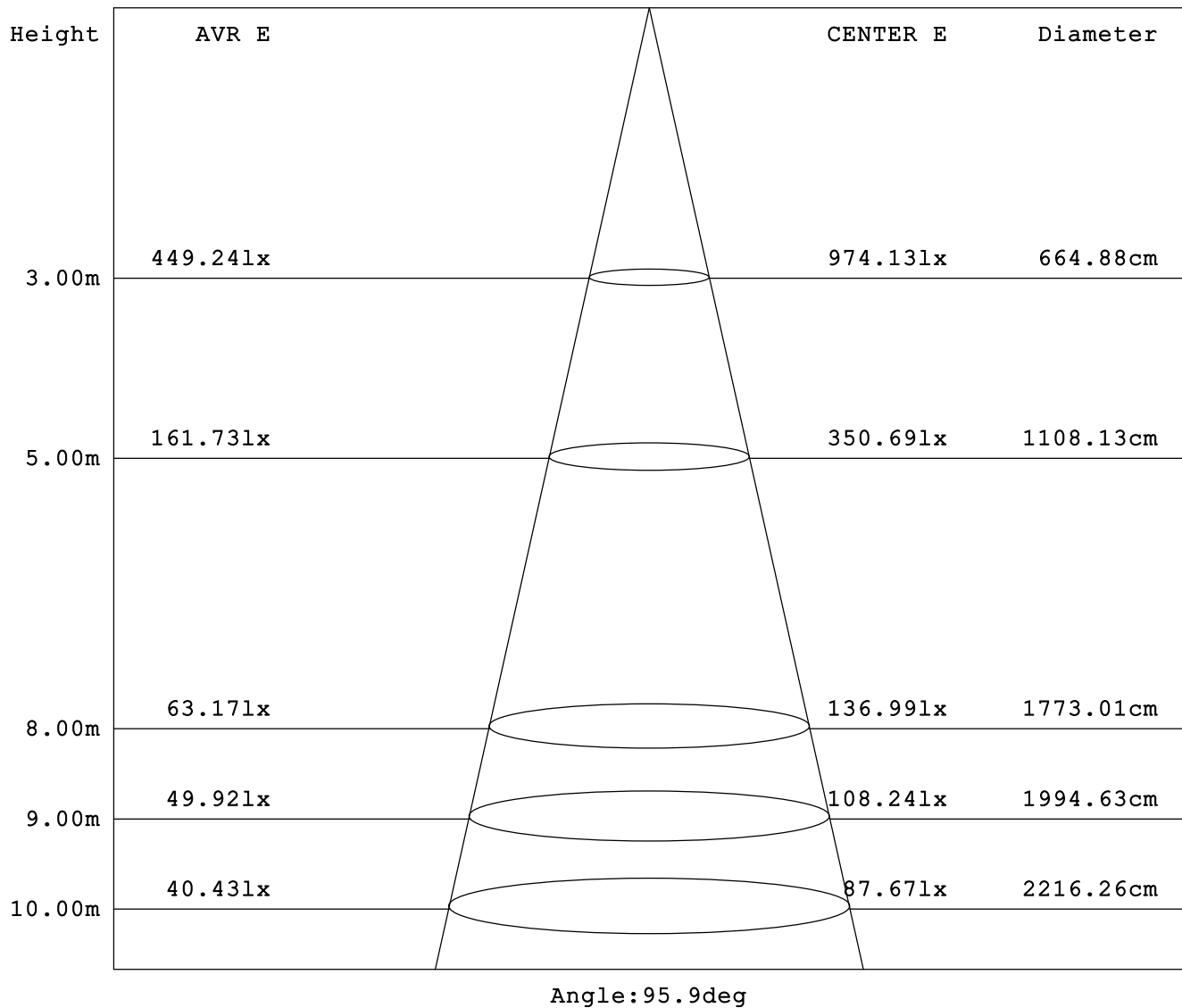
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2020.12.14

Test Set: 6.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL240-A29N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 80X150deg	SERIAL No.:



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020.12.14

Test Set: 6.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL240-A29N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 80X150deg	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	853.8	876.6	889.6	891.7	873.8	842.1	820.4	827.4	0- 5	205.8	205.8
10.0	846.6	884.3	904.8	913.4	885.9	816.7	761.1	788.0	5- 10	611.7	817.5
15.0	843.5	889.4	914.6	929.9	898.5	782.1	687.4	738.7	10- 15	999.6	1817
20.0	843.4	891.2	915.0	943.7	908.6	741.5	605.5	690.5	15- 20	1363	3180
25.0	842.5	892.5	906.2	951.5	918.5	690.7	499.1	634.2	20- 25	1689	4869
30.0	842.3	888.1	892.8	953.0	930.9	634.0	399.6	570.9	25- 30	1967	6836
35.0	846.2	880.4	877.6	950.2	940.7	565.5	338.7	493.7	30- 35	2202	9038
40.0	846.0	872.3	865.4	946.1	946.7	472.5	293.1	398.6	35- 40	2405	11443
45.0	847.6	863.1	831.2	939.4	963.6	372.6	260.3	313.7	40- 45	2575	14018
50.0	872.4	849.9	750.6	926.5	1001	293.3	237.5	258.9	45- 50	2711	16729
55.0	885.1	828.9	620.8	896.7	1003	234.6	218.5	219.4	50- 55	2790	19519
60.0	845.1	764.1	427.0	827.5	951.1	203.4	205.0	186.2	55- 60	2709	22228
65.0	778.8	622.4	197.1	682.7	852.9	168.9	154.8	158.6	60- 65	2422	24649
70.0	619.2	374.4	63.45	418.2	610.4	116.8	44.74	114.3	65- 70	1884	26533
75.0	273.7	92.12	36.41	103.5	244.3	42.24	26.71	39.29	70- 75	1107	27640
80.0	46.32	21.01	15.79	22.36	45.51	13.78	12.47	12.91	75- 80	381.0	28021
85.0	5.814	5.343	3.677	5.618	5.004	3.905	2.025	3.446	80- 85	71.54	28093
90.0	0.797	0.330	0.573	0.282	0.758	0.765	0.253	0.764	85- 90	10.85	28103
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm	

Test System:HOPOO HPG1800  
 Temperature:25.3DEG  
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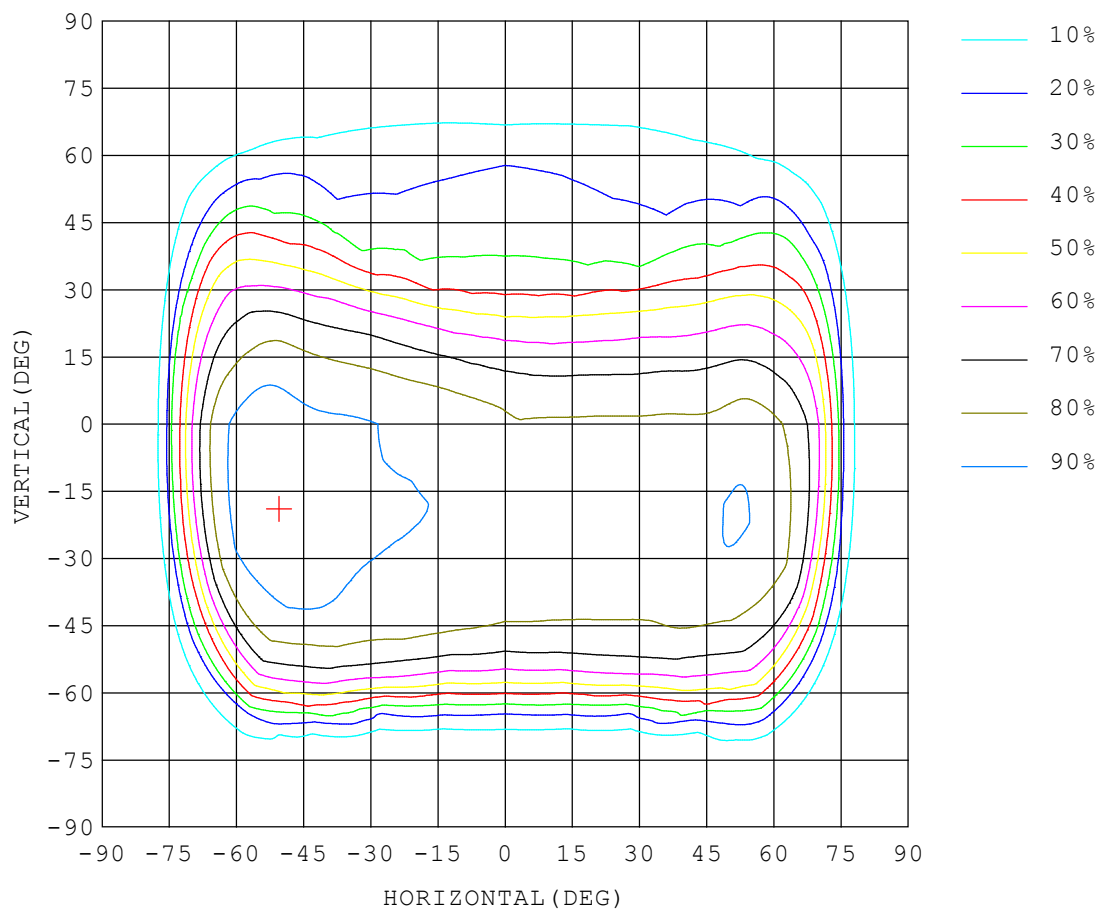
Test Set: 6.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks:

# ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL240-A29N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 80X150deg	SERIAL No.:

UNIT: cd



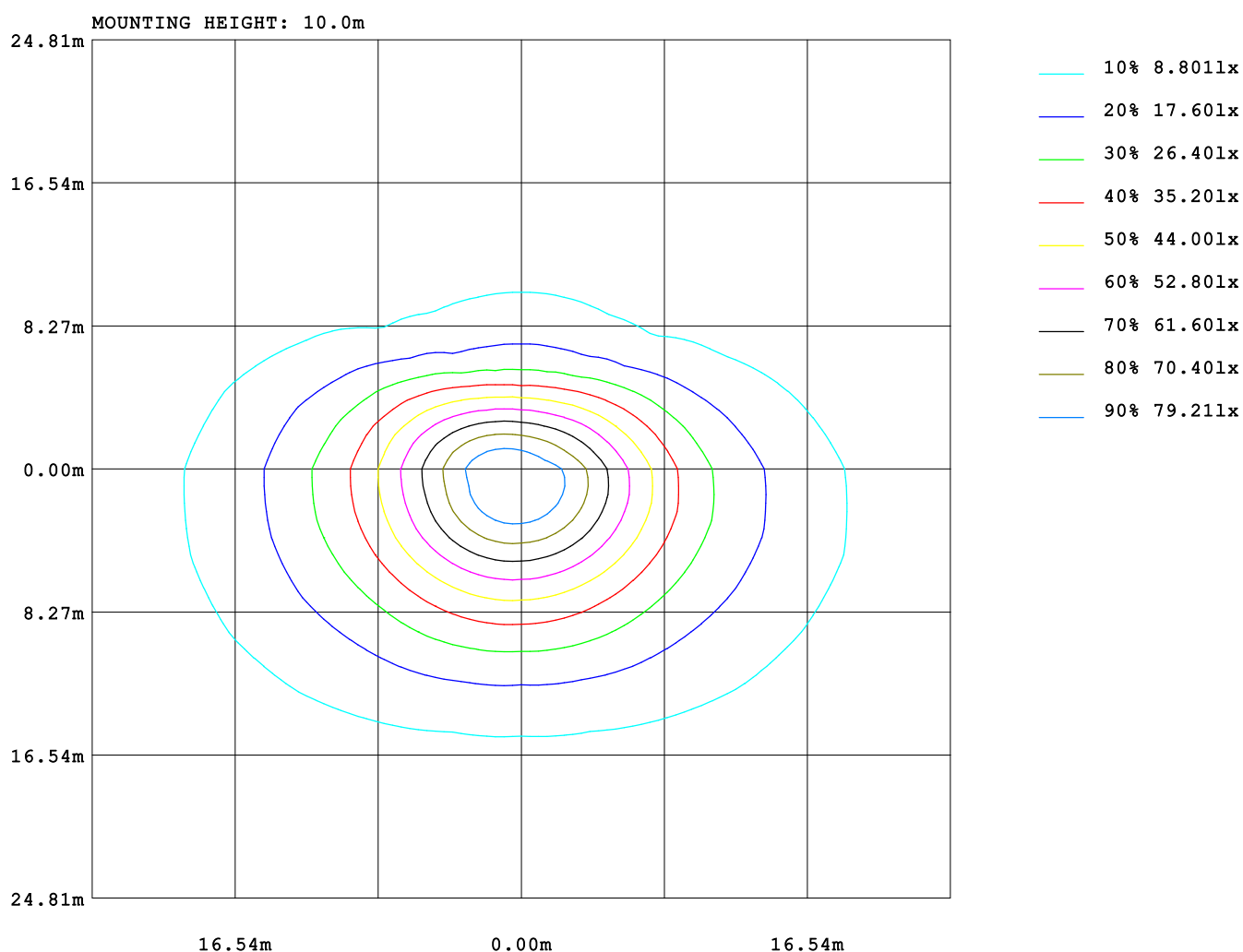
Test System: HOPOO HPG1800  
 Temperature: 25.3 DEG  
 Operators:  
 Test Date: 2020.12.14

Test Set: 6.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

# ISOLUX DIAGRAM

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL240-A29N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 80X150deg	SERIAL No.:



Test System: HOPOO HPG1800  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2020.12.14

Test Set: 6.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL240-A29N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 80X150deg	SERIAL No.:

UNIT: ×10cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	862	862	862	862	862	862	862	862	862	862	862	862	862	862	862
5.0	854	863	870	877	882	886	890	892	893	892	889	882	874	864	853
10.0	847	863	876	884	892	898	905	910	914	913	911	901	886	866	843
15.0	844	865	878	889	897	905	915	922	929	930	928	918	899	870	830
20.0	843	869	882	891	900	905	915	927	938	944	944	932	909	871	813
25.0	843	871	885	893	894	897	906	922	939	952	956	945	919	870	789
30.0	842	874	885	888	885	884	893	911	935	953	965	959	931	869	765
35.0	846	880	886	880	873	869	878	898	924	950	972	972	941	864	734
40.0	846	886	887	872	859	857	865	888	914	946	975	981	947	853	693
45.0	848	894	885	863	847	835	831	861	904	939	979	1000	964	843	643
50.0	872	919	890	850	820	771	751	792	873	927	996	1043	1001	833	576
55.0	885	949	908	829	744	652	621	665	785	897	1005	1055	1003	807	498
60.0	845	911	862	764	606	462	427	469	641	828	955	1006	951	737	404
65.0	779	866	792	622	355	233	197	238	370	683	874	933	853	630	311
70.0	619	741	653	374	132	74.4	63.4	74.4	135	418	711	721	610	450	218
75.0	274	393	372	92.1	38.9	33.4	36.4	33.3	39.5	104	373	383	244	186	95.2
80.0	46.3	60.9	71.7	21.0	18.3	14.7	15.7	14.7	18.4	22.3	67.9	59.3	45.5	54.1	16.3
85.0	5.81	5.88	9.33	5.34	5.06	2.95	3.67	2.85	4.82	5.61	10.0	6.20	5.00	5.84	3.63
90.0	0.80	0.50	0.86	0.33	0.58	0.27	0.57	0.27	0.60	0.28	0.86	0.48	0.76	1.15	0.64

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 Temperature: 25.3DEG  
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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: LUCKY SSL	Address:	
NAME: FK-FL240-A29N-HB3	TYPE: 4000K/5000K/5700K	WEIGHT:
SPECIFICATION: 2835 LED	DIMENSION: 80X150deg	SERIAL No.:

UNIT: ×10cd

C (DEG) γ (DEG)	225	240	255	270	285	300	315	330	345
0.0	862	862	862	862	862	862	862	862	862
5.0	842	832	825	820	820	822	827	835	844
10.0	817	791	772	761	761	770	788	809	829
15.0	782	736	704	687	690	708	739	778	815
20.0	742	674	627	606	611	641	691	749	805
25.0	691	597	529	499	515	564	634	716	790
30.0	634	503	417	400	410	471	571	675	773
35.0	566	388	346	339	345	371	494	636	759
40.0	473	318	297	293	297	311	399	583	737
45.0	373	272	262	260	262	266	314	522	715
50.0	293	237	234	238	237	233	259	451	696
55.0	235	210	212	219	216	208	219	379	664
60.0	203	183	194	205	200	184	186	305	601
65.0	169	158	169	155	171	164	159	228	502
70.0	117	91.5	59.9	44.7	54.2	95.3	114	164	368
75.0	42.2	37.4	26.7	26.7	26.8	38.3	39.2	76.1	184
80.0	13.7	12.0	13.0	12.4	12.9	11.5	12.9	12.6	47.8
85.0	3.90	2.70	3.10	2.02	2.99	2.55	3.44	2.90	4.49
90.0	0.77	0.32	0.61	0.25	0.61	0.32	0.76	0.65	1.14

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